



Hydrogeological Assessment

Glenelg Phase 3

Dundalk Village Two Inc.

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1.0 Introduction

SLR Consulting (Canada) Ltd. (SLR) was retained by Dundalk Village Two Inc. to conduct a Hydrogeological Assessment in support of a Draft Plan of Subdivision and future Site Plan for the proposed Dundalk Northeast residential subdivision located in Dundalk, Ontario (referred to as the "Study Area"). The Study Area includes two residential properties (772350 and 772288 Hwy 10), as well as one currently undeveloped property located on Lot 225, Concession 1 (Figure 1). These lands fall within a larger area currently subject to an approved Ministerial Zoning Order (MZO). The development of these subject lands will be phased.

Although the current submission is for the western portion of the property, known as Glenelg Phase 3 development (hereinafter referred to as the "Site"), this report provides details of the entire Dundalk Northeast residential subdivision. It is understood that the proposed Glenelg Phase 3 development will contain single detached and semi-detached lots, as well as townhouse units. There will also be areas of open space, a stormwater management (SWM) pond, a school, and a park. The overall development is expected to have complete municipal servicing, and paved access / site roadways.

1.1 Study Objectives

The objective of the Hydrogeological Assessment is to characterize the hydrogeological conditions across the Study Area, identify any hydrogeological constraints to development and potential impacts of development on natural heritage features, and provide guidance on how to mitigate these impacts. This is completed through a review of relevant geologic and hydrogeologic information available through public records for the area or collected through borehole drilling and groundwater monitoring and sampling efforts. This report has been prepared for submission to the Township of Southgate, Bruce County, Saugeen Valley Conservation Authority (SVCA), and Grand River Conservation Authority (GRCA) to support the Draft Plan of Subdivision and future Site Plan Approval for the proposed development.

The specific objectives are summarized below:

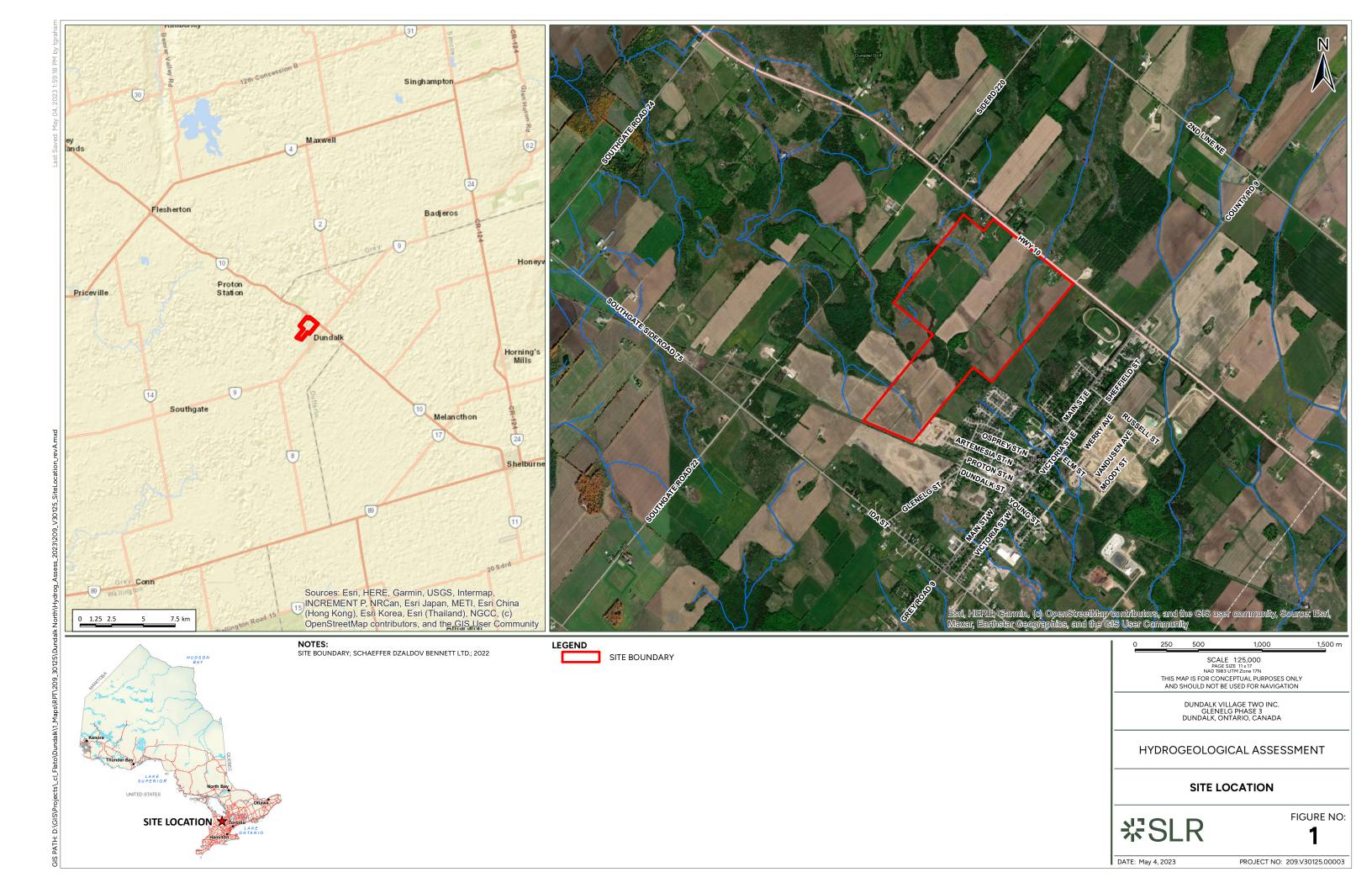
- Document the geology, hydrostratigraphy, groundwater flow, and groundwater quality across the Study Area.
- Evaluate potential impacts with respect to Source Protection Plans
- Assess overall potential impacts of the proposed development on the groundwater flow system.

1.2 Report Organization

This Hydrogeology Assessment report has been organized into eight sections following this introduction. Section 2 provides an overview of background information related to the development, previous investigations and regional geology and hydrogeology. Section 3 provides the field methodologies utilized during the assessment. Section 4 presents a review of the site-specific geological and hydrogeological conditions. Section 5 provides an assessment of the potential impacts of development on shallow groundwater features, potable wells, and surface water features. Section 6 presents the conclusions and recommendations, Section 7 provides closing comments, and Section 8 presents the report references.

All Figures referenced throughout the report are presented within the text. Appendices A through E present the: Development Plan; Borehole Logs; Groundwater Data; Hydraulic Conductivity Analyses; and MECP Water Well Records.





2.0 Background

2.1 Proposed Development

Although this Hydrogeological Assessment discusses hydrogeological conditions across the entire Dundalk Northeast residential subdivision, the current phase of the development only includes the western most parcel (Lots 225 and 226, Concession 2) known as Glenelg Phase 3. The proposed Glenelg Phase 3 development measures approximately 33 ha in size, and includes 291 single detached lots, 24 semi-detached lots, and 74 townhouse units. It also includes a 1.56 ha SWM pond in the western portion of the Site boundary, walkways, trails, open space, and a park. A copy of the proposed development plan is provided in **Appendix A**.

2.2 Site Description

The proposed Dundalk Northeast residential subdivision lies on lands legally described as Lots 223, 224, 225, 226 and 227, Concessions 1 and 2 Southwest of the Toronto and Sydenham Road, Geographic Township of Proton, Township of Southgate, County of Grey. The proposed Glenelg Phase 3 development lies on the western most parcel of the Study Area on Lots 225 and 226, Concession 2.

The Study Area is bounded by Highway 10 in the northeast, Grey Country CP Rail Trail to the southwest, and is found approximately 600 m northwest of Main St E and approximately 600 m northeast of Ida Street. The area surrounding the property is occupied by agricultural lands and rural residential, with a woodlot and associated wetland along the northern portion of the Study Area.

2.3 Regional setting

2.3.1 Topography and Drainage

The Study Area is gently undulating with a gentle decrease in ground surface elevation from north to south. A topographic high of 532 metres above sea level (masl) is located near the north end of the Study Area, with a topographic low of 517 masl at the southwestern boundary and through the centre of the property near the woodlot and wetland area (**Figure 2**).

The Study Area is located on a drainage divide between the Saugeen River Watershed (SRW) and Grand River Watershed (GRW), which are governed by SVCA and GRCA, respectively. The undulating topography at the Study Area is attributed to the presence of several drumlins present on the property, with water generally draining between each drumlin. A number of small unnamed tributaries are present at the Study Area, two that drain towards the northwest (within the SRW), located at the north and south ends of the Study Area, and one that drains offsite towards the south (GRW) at the eastern portion of the Study Area within a wetland. There are also unevaluated wetlands located on the Study Area. An evaluation of the wetlands will be completed as part of the Environmental Impact Study (EIS), to be provided under separate cover.

2.3.2 Physiography

The Study Area lies within the Dundalk Till Plain physiographic region of Southern Ontario (Chapman and Putnam, 1984). The Dundalk Till Plain is a gently undulating, partially drumlinized and fluted surface, where the long axis of the drumlins are oriented in a southeastward direction. The Dundalk Till Plain supports extensive wetland complexes due to the presence of poorly drained depressions.

2.3.3 Regional Hydrostratigraphy

Surficial geology in the Dundalk area mainly consists of drumlinized till plains (Chapman and Putnam, 1984) comprised of the Elma Till (stony sandy silt to silt) and Catfish Creek Till (clayey silt and gravel,



Figure 3). There are isolated deposits of glaciolacustrine, glaciofluvial ice-contact and glaciofluvial outwash materials at surface and interbedded within the till plain. These sand and gravel deposits form the Dundalk Aquifer (Saugeen Valley Source Protection Area, 2015). The extent and thickness of the Dundalk Aquifer is unknown, due to a lack of reliable well records for the area. It is noted that static water levels within the Dundalk Aquifer are close to ground surface.

The overburden material is underlain by bedrock aquifer units comprised of the Guelph, Eramosa, Goat Island and Gasport Formations (Golder, 2018).

2.3.4 Source Protection

Source Protection Plans (SPPs) have been implemented throughout the region to protect drinking water resources, as mandated by the Ontario Clean Water Act (OCWA), 2006. The susceptibility of an aquifer to contamination is evaluated to identify the most vulnerable areas surrounding a drinking water source. There are four (4) types of vulnerable areas as defined by the Clean Water Act, 2006:

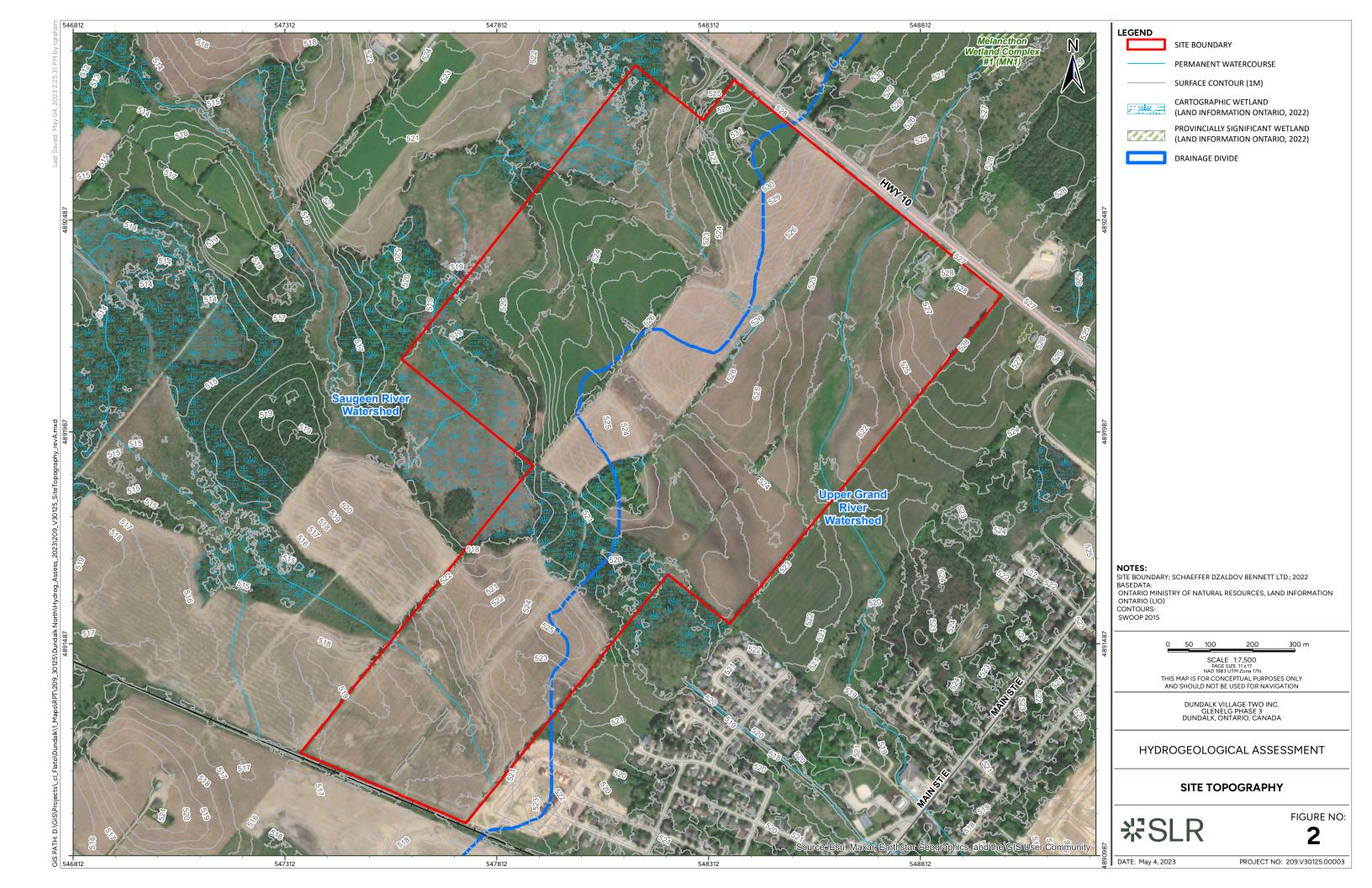
- Highly vulnerable aquifer (HVA): aquifers in which an external source is likely to have a significant adverse effect, this includes the land above the aquifer;
- Significant groundwater recharge area (SGRA): an area in which it is necessary to regulate or monitor drinking water threats that could affect the recharge of an aquifer;
- Surface water intake protection zone (IPZ): an area related to a surface water intake area in which it is necessary to regulate or monitor drinking water threats; and
- Wellhead protection area (WHPA): an area related to a wellhead, within which it is necessary to regulate or monitor drinking water threats.

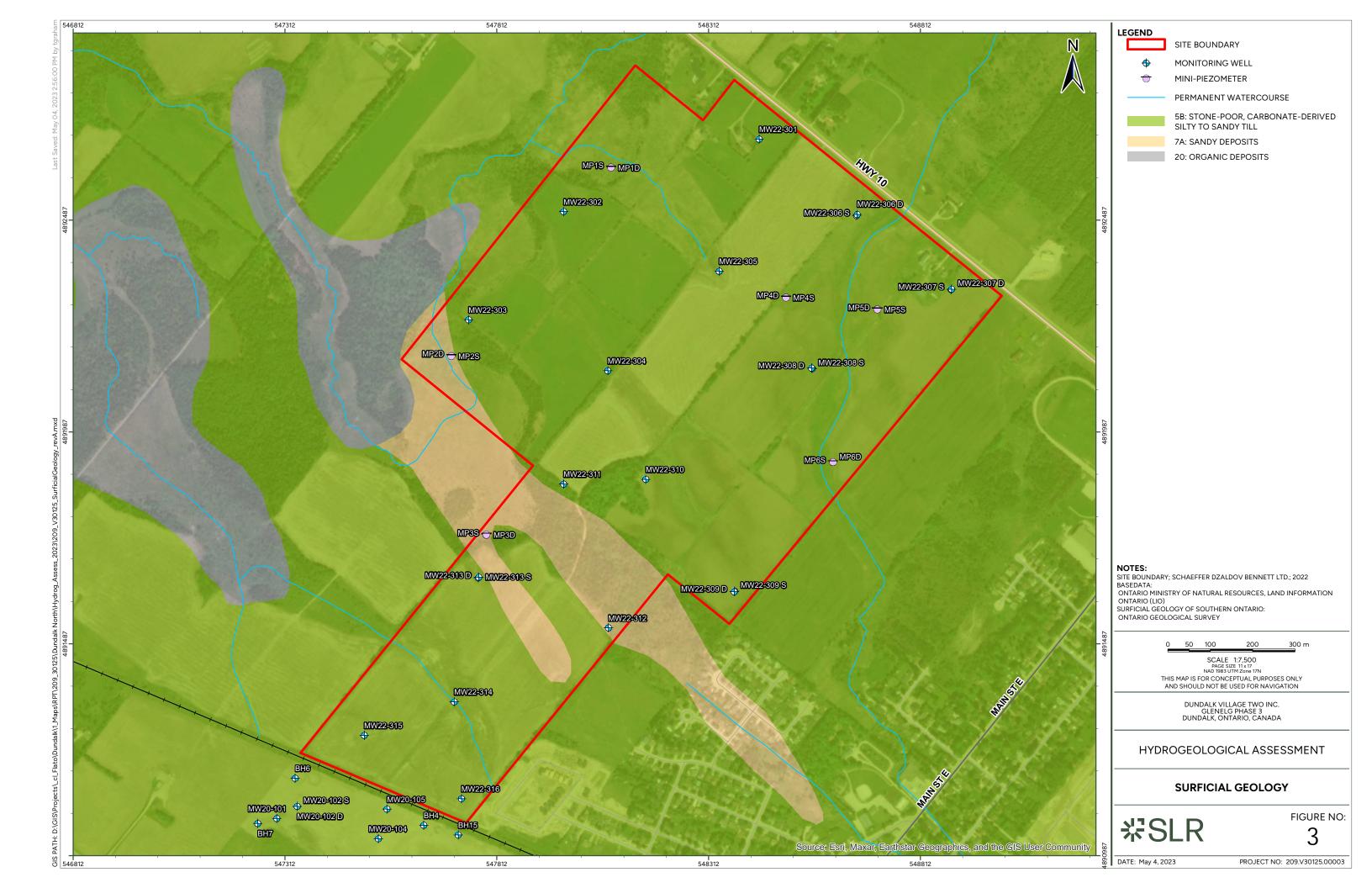
The Site is within both the Saugeen Valley Source Protection Plan and the Grand River Source Protection Region. The Approved Source Protection Plans have identified the eastern and southeastern portions of the Site to be within either a WHPA-C or WHPA-D, representing a capture zone time frame of between 2 to 25 years (**Figure 4**). In addition, the majority of the wetlands across the Study Area are located within a SGRA (**Figure 5**).

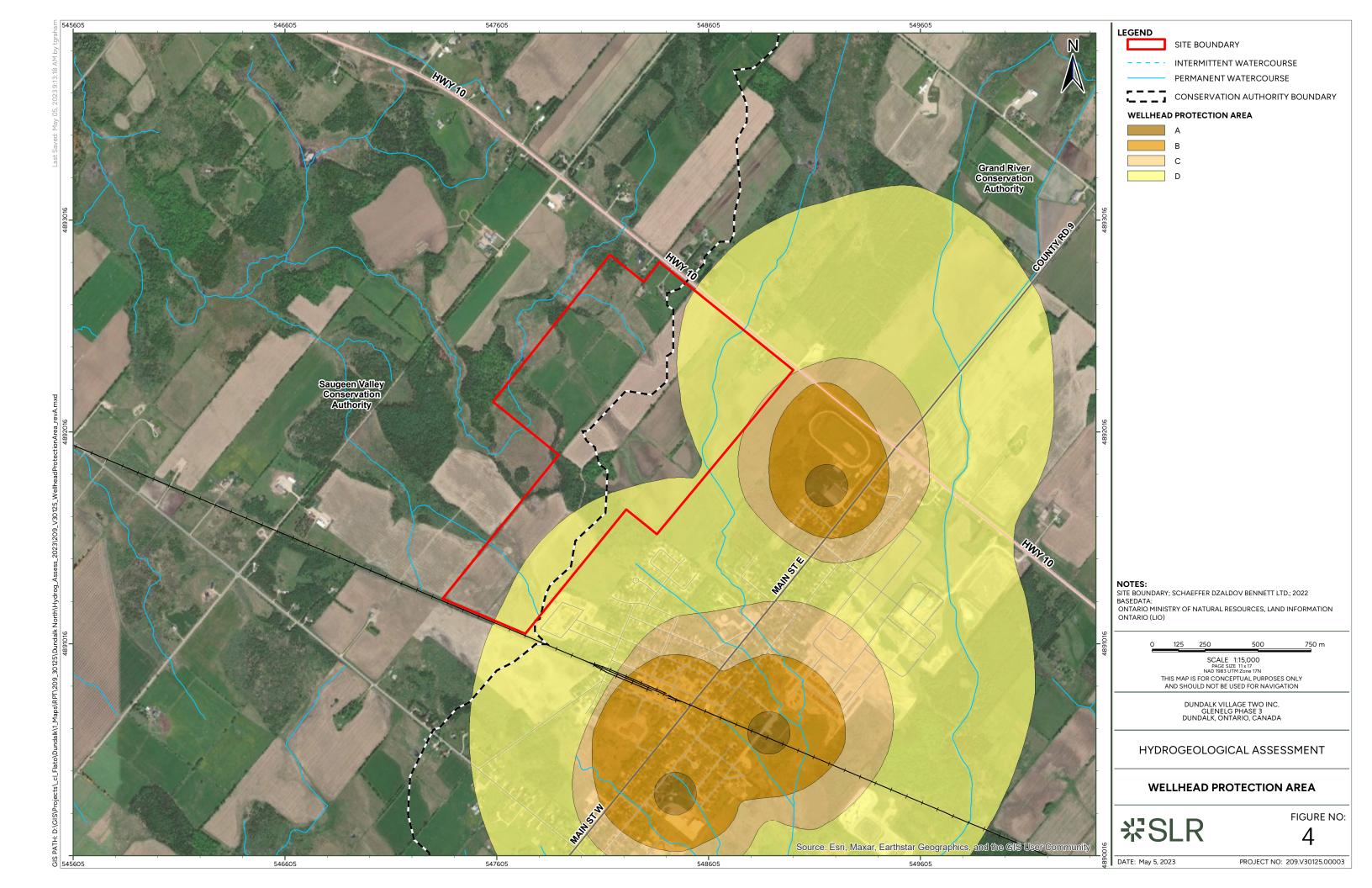
Groundwater and surface water resources within a SGRA or WHPA are relatively sensitive to chemical or pathogen contamination and / or changes in groundwater recharge. Although precautionary measures to protect groundwater and surface water must be applied on all projects, additional protection measures and related documentation may be required where study areas fall within these zones. These include maintenance of the site-specific water balance and limitations on the presence of potential contamination sources such as gas stations and dry cleaner facilities. Based on the current development plan, the Site development does not include any commercial facilities. A site-specific water balance has been completed by Crozier & Associates Consulting Engineers (Crozier) to document pre-development recharge rates, and to look for opportunities to promote the recharge of clean water to meet or exceed pre-development recharge rates. The site-specific water balance is presented under separate cover.

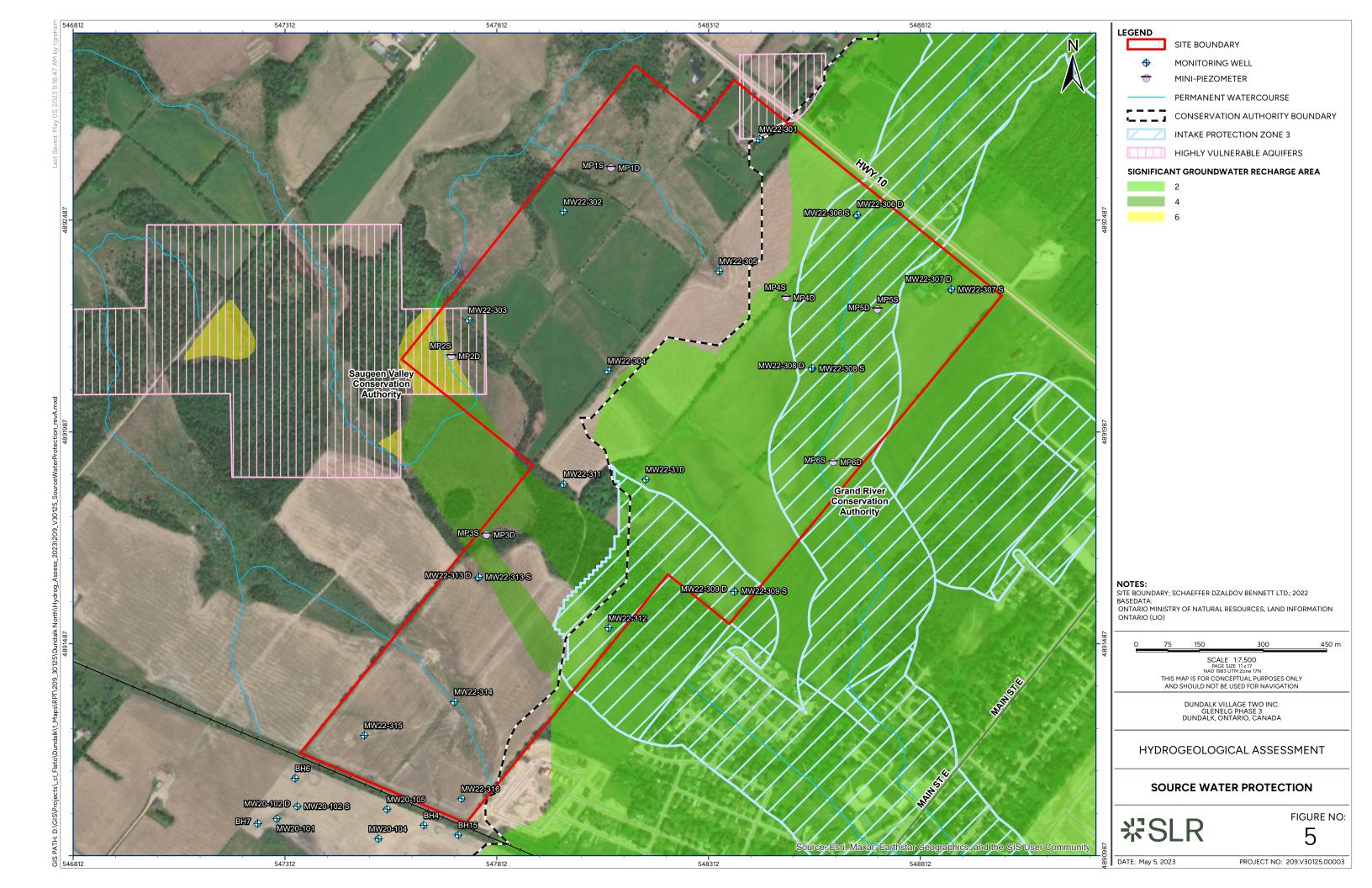
It is important to note that delineation of the vulnerable areas based on regional mapping and do not consider site-specific conditions (i.e., type and thickness of the overlying material). The results of the drilling program indicates that the subsurface soils across the Study Area consists of sandy silt to silty sand till. The material was determined to have low hydraulic conductivity and therefore, the potential to impact deeper aquifers is limited.











3.0 Methodology

3.1 Installation of New Monitors

Sixteen (16) boreholes were advanced at select locations across the Site between April and May 2022. The boreholes were drilled using a track-mounted drill rig with 9" outer diameter hollow stem auger. A record of geological and hydrogeological conditions was logged during drilling using a split spoon sampler at approximately 0.76 m intervals down to the targeted depth of the monitoring well. At each borehole location, the soil stratigraphy and classification, moisture content, colour, appearance, soil structure (presence of laminations, heterogeneity, soil weathering, etc.), and odour was noted in general accordance with the Unified Soil Classification System.

All borehole locations were completed as monitoring wells. At five (5) of these locations, nested monitoring wells consisting of a shallow and deep counterpart were installed. The monitoring wells were constructed with a 50-millimetre (mm) diameter polyvinyl chloride (PVC) well pipe. In general, the monitoring wells were constructed with No. 10 slotted PVC screen approximately 1.5 m long. Monitor MW22-306D was constructed with a 3.0 m long screen as it was screened within the clayey silt material. A sand pack was placed around and slightly above the well screen, and the remaining upper portion of the borehole was sealed with bentonite. A steel monument casing was installed over the well at each monitoring location. Upon completion of the monitoring wells, the monitors were tagged registered with the MECP as required by Ontario Regulation (O. Reg.) 903, as amended. Details of the monitoring well construction are summarized in **Table 3-1**. The location of the monitoring wells are depicted in **Figure 6**, and borehole logs are provided in **Appendix B**.

Six (6) nested pairs of piezometers, for a total of twelve (12) mini-piezometers (MP1-S/D through MP6-S/D) were installed within the wetland areas across the Study Area in May 2022. These mini-piezometers were installed to assess groundwater-surface water interactions within the natural heritage features.

An additional five (5) nested pairs of piezometers, for a total of ten (10) mini-piezometers, were installed in April 2023 on the adjacent property north of the Study Area downgradient of the proposed SWM Pond (**Figure 6**). It is our understanding that the proposed SWM pond will discharge water in a northerly direction into the wetland. The purpose of these additional mini-piezometers is to investigate potential impacts in the wetland as a result of the SWM pond.

The mini-piezometers were constructed with a 19 mm diameter steel pipe threaded onto an approximately 0.33 m long screened drive point piezometer Solinst tip, and were installed to the targeted depth through direct push. A pilot hole was not advanced prior to the installation; as such, the screened material at each mini-piezometer location is unknown. The construction details of the mini-piezometers are provided in **Table 3-2**, and the location of the mini-piezometers are shown on **Figure 6**.



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Table 3-1: Monitoring Well Details

Monitor	Ground Surface Elevation (masl)	Top of Pipe Elevation (masl)	Screen Interval (masl)	Screened Material
MW22-301	531.0	531.9	523.4-521.9	Sandy SILT TILL
MW22-302	522.6	523.6	518.1-516.5	Sandy SILT TILL
MW22-303	518.4	519.2	513.8-512.3	Sandy SILT TILL
MW22-304	523.5	524.4	519.4-517.9	Silty SAND TILL
MW22-305	523.7	524.8	519.2-517.6	Silty SAND TILL
MW22-306-S	522.9	523.7	519.8 – 518.3	Silty SAND TILL
MW22-306-D	522.8	523.7	516.8 – 513.8	Silty SAND TILL
MW22-307-S	528.0	528.7	523.4 – 521.9	Silty SAND TILL
MW22-307-D	527.9	528.8	519.4 – 517.9	Sandy SILT TILL
MW22-308-S	522.2	523.2	520.7 – 519.2	Silty SAND to Sandy Silt TILL
MW22-308-D	522.4	523.2	518.4 – 516.9	Silty SAND TILL
MW22-309-S	521.9	522.8	517.3 – 515.8	Silty SAND TILL
MW22-309-D	521.8	522.9	512.7 – 511.2	Silty SAND TILL
MW22-310	523.2	524.3	515.6 – 514.1	Silty SAND TILL
MW22-311	521.1	521.9	513.6 – 512.0	Sandy SILT TILL
MW22-312	520.6	521.7	517.6 – 516.0	SAND and GRAVEL
MW22-313-S	520.0	520.9	515.6 – 514.1	Sandy SILT TILL to Silty SAND TILL
MW22-313-D	520.0	521.1	510.9 – 509.3	Silty SAND TILL to Sandy SILT TILL
MW22-314	517.3	518.3	512.7 – 511.2	Silty SAND TILL
MW22-315	518.8	519.7	508.1 – 506.6	Sandy SILT TILL and SAND
MW22-316	520.1	521.0	512.5 – 510.9	Silty SAND TILL



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Table 3-1: Mini-Piezometer Details

Monitor	Ground Surface Elevation (masl)	Top of Pipe Elevation (masl)	Screen Interval (masl)
MP1S	519.8	521.1	519.2 – 518.9
MP1D	519.8	521.3	518.3 – 518.0
MP2S	516.9	517.8	516.3 – 516.0
MP2D	516.9	518.2	515.3 – 515.0
MP3S	517.1	517.6	516.4 – 516.0
MP3D	517.0	517.8	515.4 – 515.1
MP4S	523.6	524.2	523.0 - 522.7
MP4D	523.6	524.4	521.9 – 521.6
MP5S	522.8	524.0	522.1 – 521.8
MP5D	522.7	523.9	521.1 – 520.7
MP6S	520.9	522.1	520.3 – 512.0
MP6D	520.9	522.1	519.4 – 519/0
MP301-S [1]	-	1.09	0.53 – 0.76
MP301-D [1]	-	1.31	1.51 – 1.74
MP302-S [1]	-	1.04	0.24 - 0.47
MP302-D [1]	-	0.94	1.28 – 1.51
MP303-S [1]	-	1.09	0.52 – 0.75
MP303-D [1]	-	1.30	1.55 – 1.78
MP304-S [1]	-	1.90	0.54 – 0.77
MP304-D [1]	-	1.33	1.52 – 1.75
MP305-S [1]	-	1.09	0.52 – 0.75
MP305-D [1]	-	1.28	1.56 – 1.79

^{1.} Top of pipe reported in metres above ground surface. Reported top of pipe was measured manually prior to surveying.

3.2 **Monitoring Well Development**

Following installation, the monitoring wells were developed using dedicated tubing fitted with Waterra inertia foot valves. The monitoring wells were developed to remove any soil fines that may have infiltrated into the monitoring well and its surrounding sand pack during the installation process, and to improve the hydraulic connection between the well and geologic materials. Due to slow recovery, each well was purged dry and allowed to recover. Water was subsequently removed from the monitoring well until discontinuous flow was produced for a second time.

3.3 **Water Level Monitoring**

Groundwater levels were manually collected in each accessible monitor using a water level meter to collect baseline data prior to development. Water levels were collected on a quarterly basis commencing on May 13, 2022, with the most recent event occurring on March 28, 2023. The surface



water level and groundwater elevation were measured at the mini-piezometer locations to assess groundwater-surface water interactions within the wetland area.

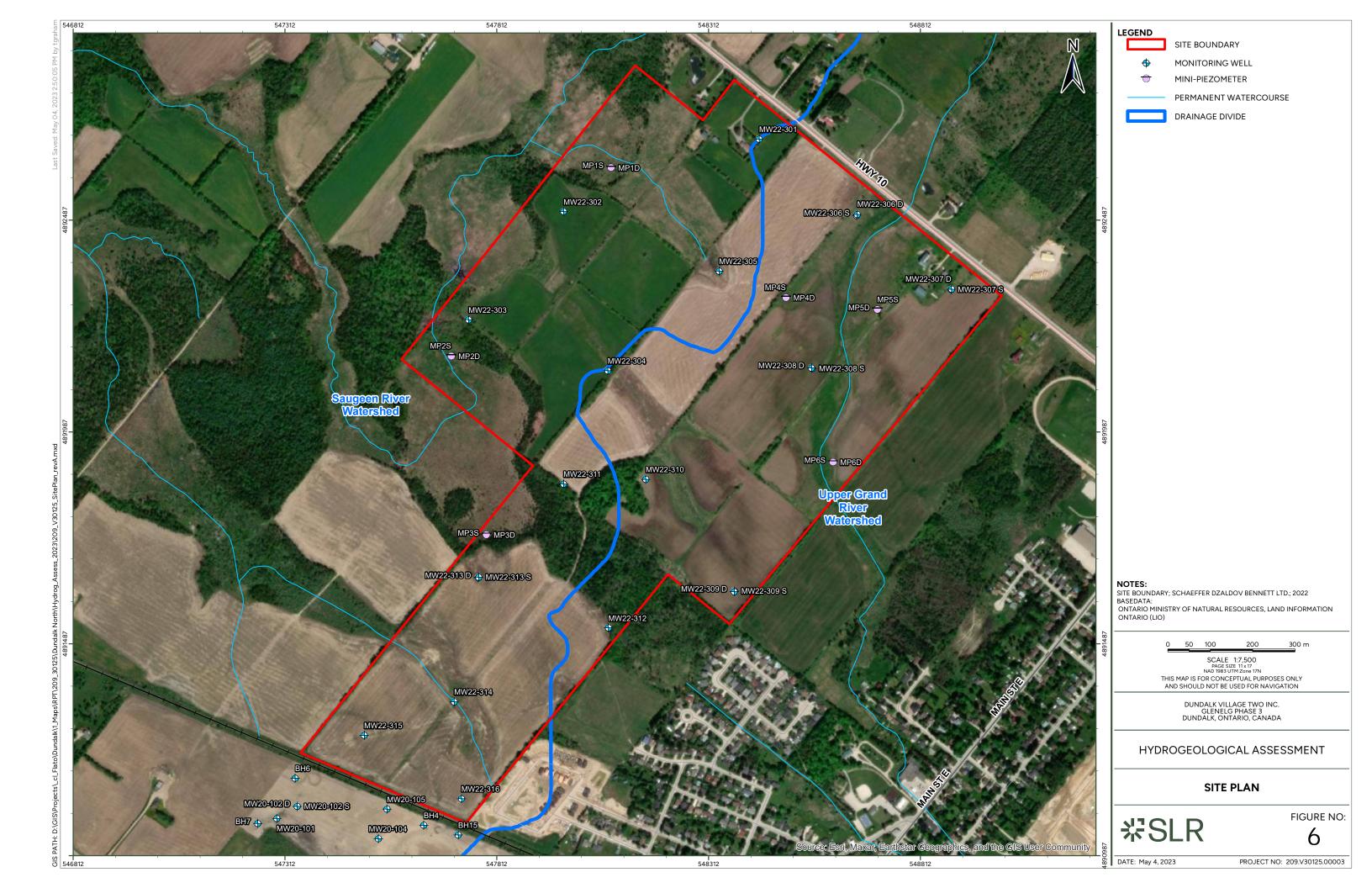
To support a more comprehensive understanding of the Study Area, select monitoring wells and minipiezometers were instrumented with automated dataloggers on May 13, 2022, in order to obtain continuous groundwater level readings. A barologger was also deployed coincident with the datalogger to measure changes in atmospheric pressure. Continuous water level measurements provide additional insight into the groundwater regime, particularly in response to precipitation events, as well as highwater level conditions. The dataloggers are downloaded every four (4) months while completing manual water level measurements across the Study Area. The dataloggers were removed from the minipiezometers during the winter period to avoid minimize potential damage due to freeze-thaw events. The dataloggers were re-deployed in the mini-piezometers in spring. The new mini-piezometers installed in the spring 2023 were instrumented with dataloggers on April 26, 2023, to provide continuous groundwater elevations in support of the investigation to understand the potential impacts of the proposed SWM pond on the wetland.

3.4 In-Situ Hydraulic Conductivity and Analysis

In-situ hydraulic conductivity tests were completed in select monitoring wells to establish the permeability (hydraulic conductivity) of the formation in which the wells are screened. Hydraulic conductivity is a parameter that describes the ability of soil to allow water to move through it. The lower the hydraulic conductivity, the less water will be able to move through. Aquifers, such as sandy or gravelly soils, typically have a hydraulic conductivity of 10⁻⁶ metres per second (m/s) or greater, whereas aquitards (clay or dense silt) have a hydraulic conductivity of 10⁻⁸ m/s or less.

The testing involved the slug test method, whereby a slug of known volume was removed (rising head test) from each well. The water levels were recorded during the addition, removal, and recovery stages of the slug test using a Diver datalogger temporarily installed in the monitor. The in-situ hydraulic conductivity test was completed once the water level recovered to 90% of static conditions. The slug tests were analyzed in AQTESOLV using the Bouwer-Rice method (1976) for unconfined aquifers.





4.0 Local Geology and Hydrogeology

4.1 Geology and Hydrostratigraphy

4.1.1 Surficial Geology

Based on a review of the Ontario Geological Survey mapping (OGS, 2010), the surficial geology of the Study Area is primarily Elma Till, which is characterized as a stone-poor sandy silt to silty sand till. The wetland found along the western portion of the Study Area is mapped to consist of glaciofluvial sandy river deposits, with minor organic deposits located within wetland areas.

Surficial geology of the Study Area was also characterized by advancing boreholes at select locations across the property. Borehole logs are provided in **Appendix B**. Geological cross-sections of the Study Area, as indicated in **Figure 7**, are presented in **Figure 8** and **Figure 9**.

Based on the results of the drilling program, the Study Area was comprised of a till unit underlying the surficial, overturned topsoil. The till unit is composed of sandy silt to silty sand material and was located at approximately 506.4 (MW22-315) masl to 530.9 (MW22-301) masl. Interbedded within the till unit are discontinuous sand to sandy gravel lenses. The upper 3 to 5 m of the till unit is weathered, and shows root structures, fractures, and oxidized soils. This more permeable weathered soil hosts the water table, primarily due to poor drainage with depth. The glacial till is estimated to be approximately 35 m thick underneath the Site. The glacial till material serves as an aquitard protecting the underlying bedrock aquifer due to its low permeability and substantial thickness.

4.1.2 Bedrock Geology

Boreholes advanced across the Study Area were terminated once the targeted depth of the shallow monitoring wells were reached. As such, bedrock was not encountered during drilling. However, a review of the MECP WWR database indicates that the bedrock in the area lies between 22 mbgs (MECP well ID 2506475) to 36 mbgs (MECP well ID 2515624). The bedrock consists mostly of dolostone/limestone, likely from the Guelph Formation.

Source Protection documents from the GRCA indicates that the bedrock is composed of 88 m of both the Guelph Formation and the Gasport Formation (Lake Erie Region Source Protection Committee, 2021). The Guelph Formation consists of porous, fine to medium crystalline, medium to massive irregularly bedded dolostone (Armstrong, 2010). The underlying Gasport Formation consists of thick- to massive-bedded, fine to coarse-grained dolostone and dolomitic limestone (Armstrong, 2010).

4.2 Groundwater Monitoring

4.2.1 Groundwater Monitoring

Groundwater level measurements were recorded at each accessible monitoring well and minipiezometer location commencing in May 2022 with the most recent event occurring in March 2023. Monitors MP1 S/D, MP4 S/D, MP5 S/D, MW22-302, MW22-304, MW22-306 S/D, MW22-309S, MW22-313 S/D and MW22-316 were instrumented with Diver dataloggers to collect continuous water level measurements at 12-hour intervals. Groundwater elevations and hydrographs are provided in **Appendix C**. It is noted that continuous groundwater elevations are unavailable for MW22-313 S/D between June 3 and June 14 as the logger was temporarily removed from the well. Continuous water levels are also periodically unavailable between June 27 and July 4 at all monitoring wells due to hydraulic conductivity testing.

Groundwater elevations across the Study Area fluctuated seasonally between May 2022 and March 2023. During the spring 2022 monitoring event, water levels in the monitoring wells ranged between



515.13 masl (MW22-301) and 530.83 (MW22-313D), where groundwater elevations were generally within the upper 2 m. In comparison, water levels during the summer 2022 event ranged between 514.85 masl (MW22-315) and 528.42 masl (MW22-301). During the fall 2022 monitoring event, groundwater levels ranged between 513.80 masl (MW22-315) and 526.23 masl (MW22-301). Groundwater levels were measured to be highest during the spring 2023 monitoring event with groundwater levels ranging between 516.56 masl (MW22-315) and 530.21 masl (MW22-301). It is noted that tile drains are present across the majority of the Study Area, which can influence groundwater elevations locally. The tile drains situated beneath the field in the vicinity of the Site drain to the wetland directly north of the Site.

Groundwater elevations between the shallow and deep monitors at the nested monitoring well locations are comparable, although flashier water levels (in response to precipitation) were observed in the shallow monitors. This is attributed to the fact that the shallow monitor is screened within the weathered till, and the deeper monitor is screened within the unweathered till.

Groundwater elevations in mini piezometers demonstrate a similar response to seasonal fluctuations as the groundwater monitors. Groundwater elevations were high in spring, gradually decreased moving into the summer.

4.2.2 Horizontal Groundwater Flow

The interpreted groundwater contours for March 2023, representing a generally high-water table position, are presented in **Figure 10**. Water levels during spring conditions are of particular interest as it typically represents the highest groundwater elevations and will therefore inform the engineering design of residential development. The interpreted groundwater flow direction is generally in southwesterly direction along the west portion of the Study Area. Along the eastern portion of the Study Area, the groundwater flow direction is influenced by localized flow towards the creek. There is a watershed drainage divide that runs through the centre of the Study Area in a north-south direction separating the two directions of groundwater flow. Shallow groundwater contours at the Study Areahave been interpreted mimic ground surface topography. The horizontal component of groundwater flow travels in the weathered upper till.

4.2.3 Vertical Groundwater Flow

Vertical hydraulic gradients were calculated between the shallow and deep monitors at the nested monitoring well locations to assess groundwater discharge/recharge conditions across the Study Area. Vertical hydraulic gradients were also calculated at the mini-piezometer location to assess groundwater-surface water interactions within the wetland located east of the Study Area. The vertical hydraulic gradients are provided in **Table C-3**, **Appendix C**.

Groundwater elevations were comparable between the shallow and deep monitor at nested location MW22-309. Measured hydraulic gradients ranged from 0.01 m/m to 0.03 m/m, indicating very weak to negligible downward groundwater movement. At nested location MW22-306, MW22-307, and MW22-308, consistently weak upward hydraulic gradients were recorded (-0.01 m/m to -0.12 m/m), indicating weak groundwater discharge conditions. There was no notable trend at nested location MW22-313.

The shallow and deep monitor at each nested monitoring well locations were screened within the silty sand to sandy silt till, suggesting that in general, weak groundwater discharge conditions are observed within the till unit.

Groundwater elevations at MP6 was generally higher in the deeper piezometers than the shallow, suggesting there are some groundwater contribution to this feature. In contrast, mini piezometers at locations MP2, MP3, MP4, and MP5 generally exhibit groundwater elevations higher in the shallow piezometer, where data exists, indicating that the features are primarily sustained by surface water runoff and precipitation. This is supported by the fact that surface water levels at these monitoring locations are commonly dry in the summer period. Groundwater elevations were comparable between



the shallow and deep mini piezometers at MP1, indicating that there were negligible (i.e., -0.03 to 0.03 m/m) hydraulic gradients.

4.3 Hydraulic Conductivity

In-situ hydraulic conductivity tests were completed at six groundwater monitoring wells at the Study Area. The results of the hydraulic conductivity tests are provided in **Table 4-1**, and the AQTESOLV analysis are provided in **Appendix D**.

Table 4-1: Hydraulic Conductivity

Monitor	Hydraulic Conductivity (m/s)	Screened Strata
MW22-306S	1.4 x10 ⁻⁸	Silty sand till
MW22-306D	7.6 x10 ⁻⁸	Silty sand till
MW22-309S	1.0 x10 ⁻⁸	Silty sand till
MW22-313S	2.2 x 10 ⁻⁷	Silty sand till
MW22-313D	7.6 x 10 ⁻¹⁰	Silty sand till to Sandy silt till
MW22-316	2.6 x 10 ⁻⁷	Silty sand till

The geometric mean hydraulic conductivity for the five (5) tested monitoring wells is 5.7×10^{-8} m/s, with a measured range of 2.2×10^{-7} to 1.4×10^{-8} m/s. This corresponds to the upper weathered portion of the glacial till. Monitor MW22-313D was screened deeper in the unweathered glacial till aquitard and was found to have a hydraulic conductivity 30 times lower than the upper material at 7.6×10^{-10} m/s. The results are consistent with those reported by Freeze and Cherry (1979) for similar soils, and for soils located on the Glenelg Phase 2 development area which is situated immediately south of Glenelg Phase 3.

4.4 MECP Water Well Record Database

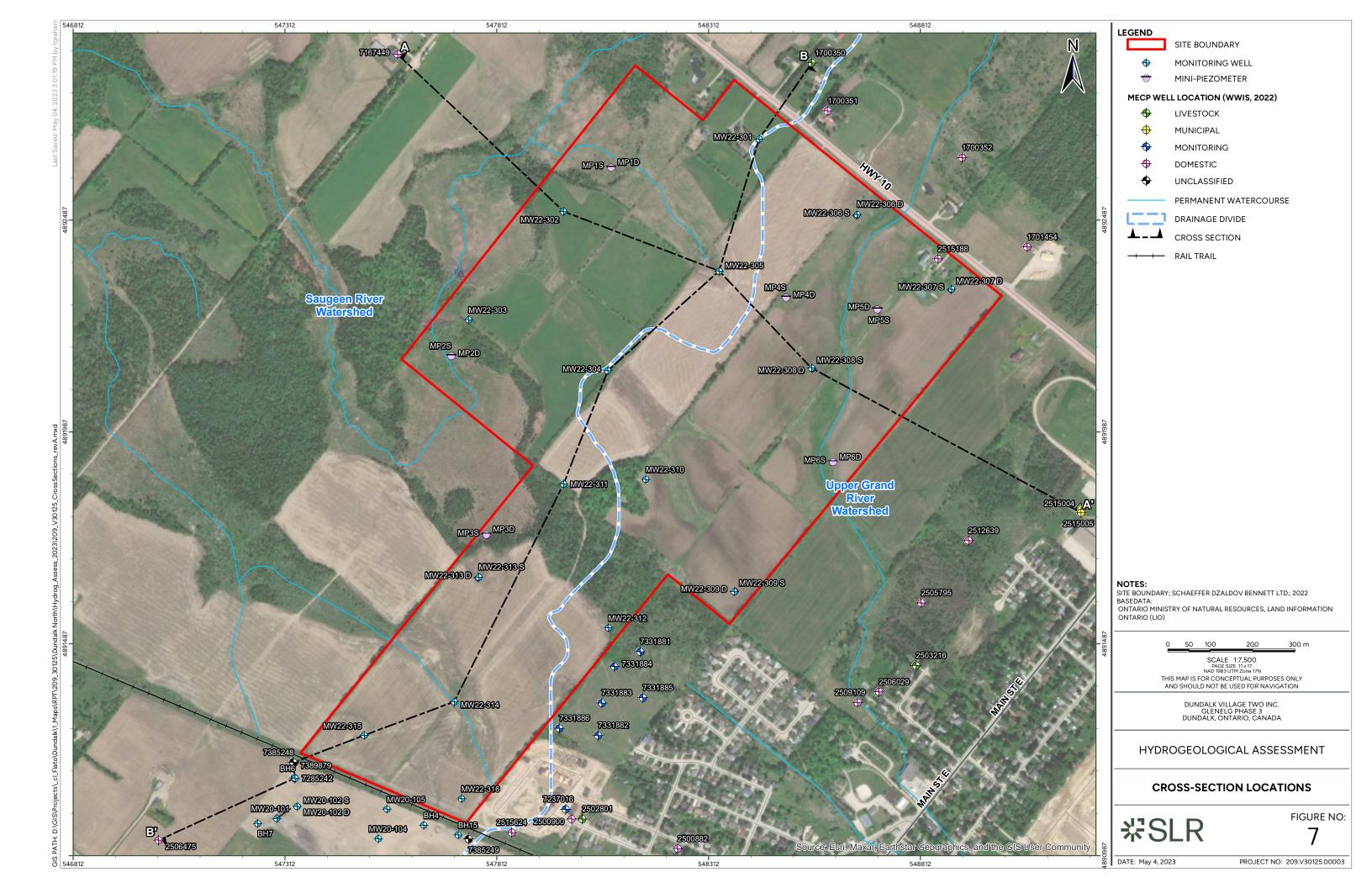
Well records from the MECP WWR database were reviewed to assess the stratigraphy and water use of wells located within a 500 m radius of the Study Area. The locations of the wells are shown in **Figure 11**, and a summary is provided in **Appendix E**. Copies of the well records are provided in **Appendix E**.

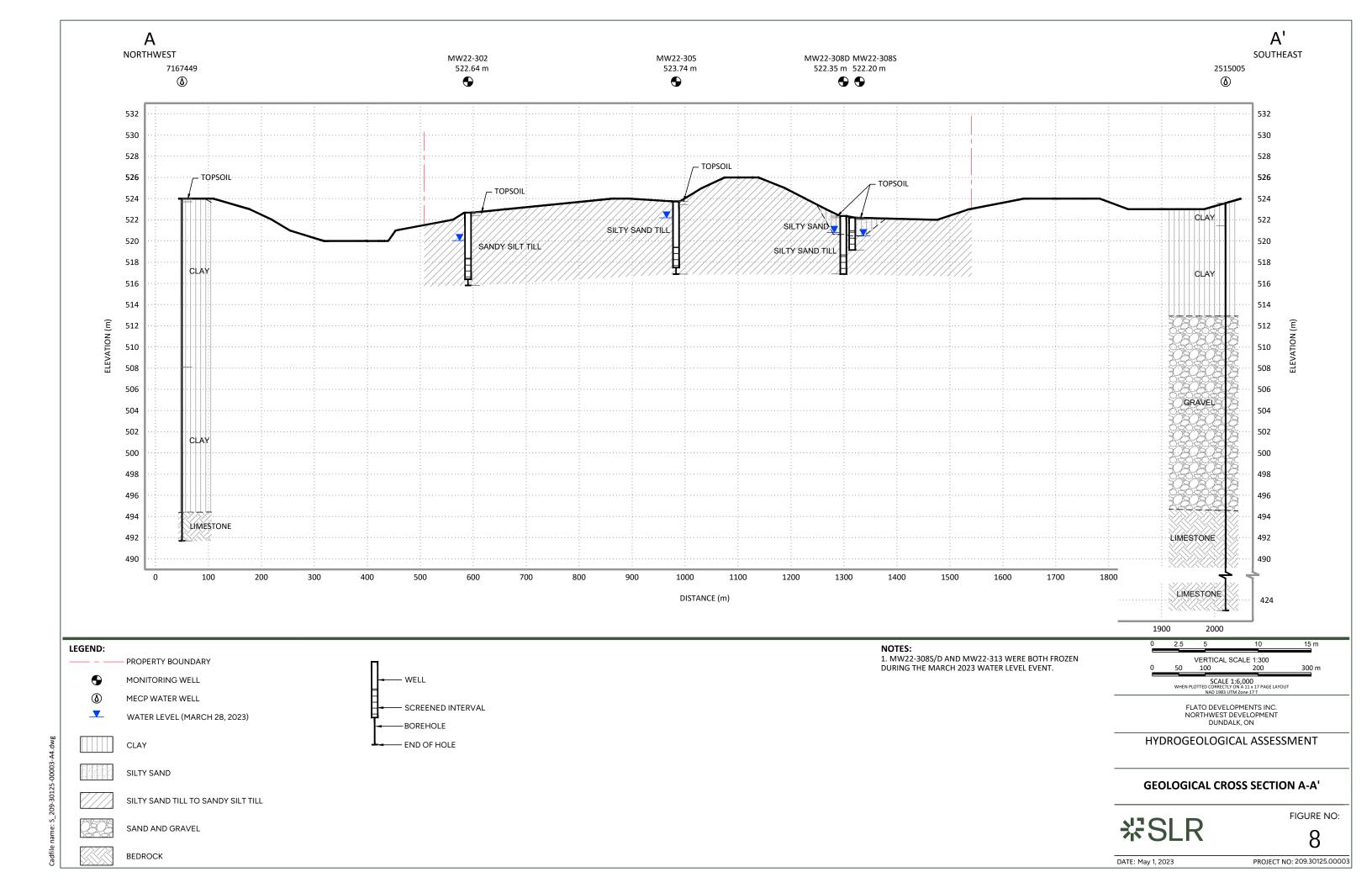
Fifty (50) MECP wells were identified within 500 m of the property. Twenty-five (25) of those wells were for water supply purposes, fourteen (14) were observation/monitoring wells or test holes, nine (9) were noted to be abandoned and two (2) wells were without a noted water use. None of the water supply wells were noted to be less than 10 m in depth. The wells were screened within one of two units: the overburden aguifer and the deeper bedrock aguifer.

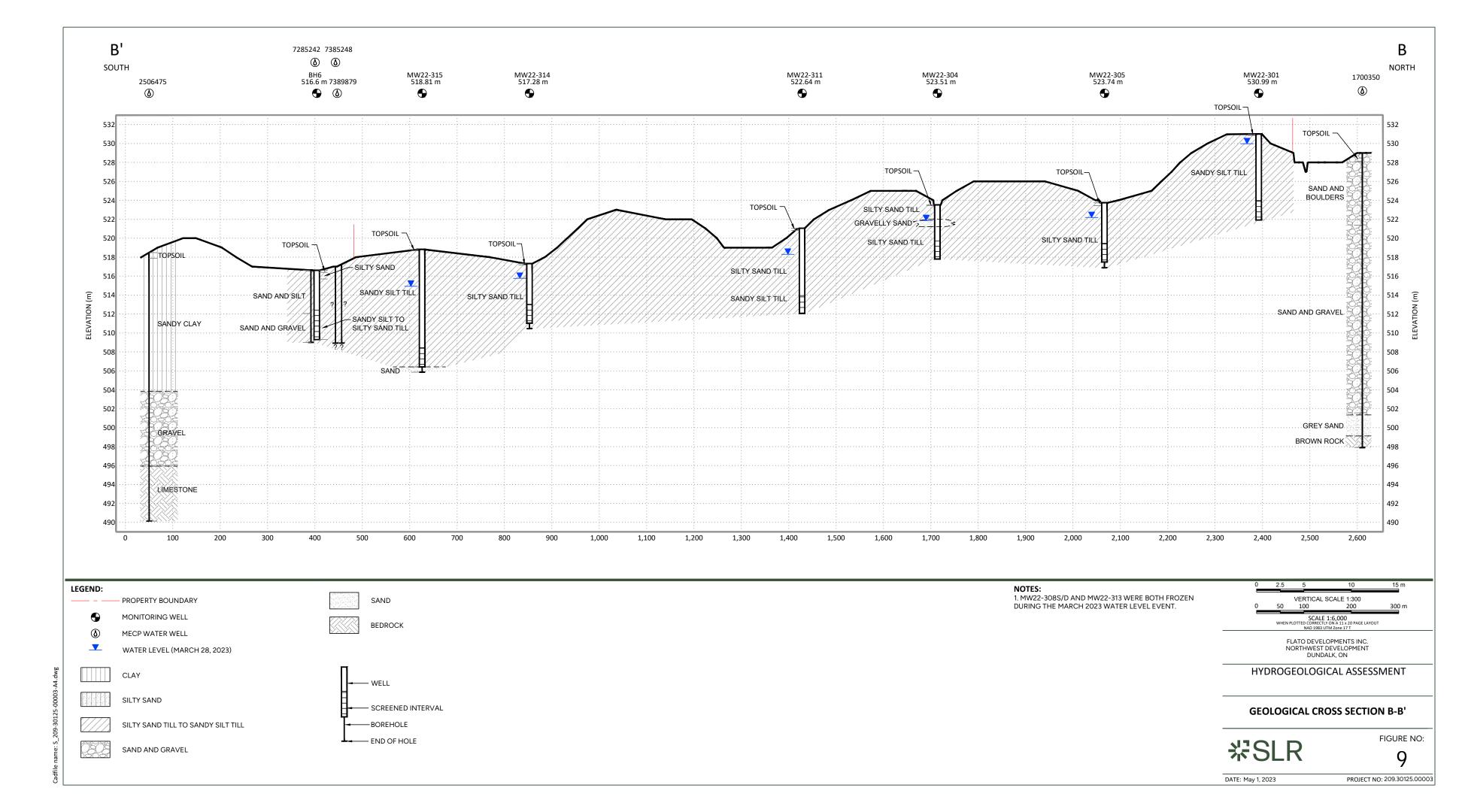
Several local residential wells tap into the upper 10 m of the bedrock, with the bedrock surface generally at about 22 to 36 mbgs. Based on the pumping rate, a sufficient water supply is available within the bedrock aquifer.

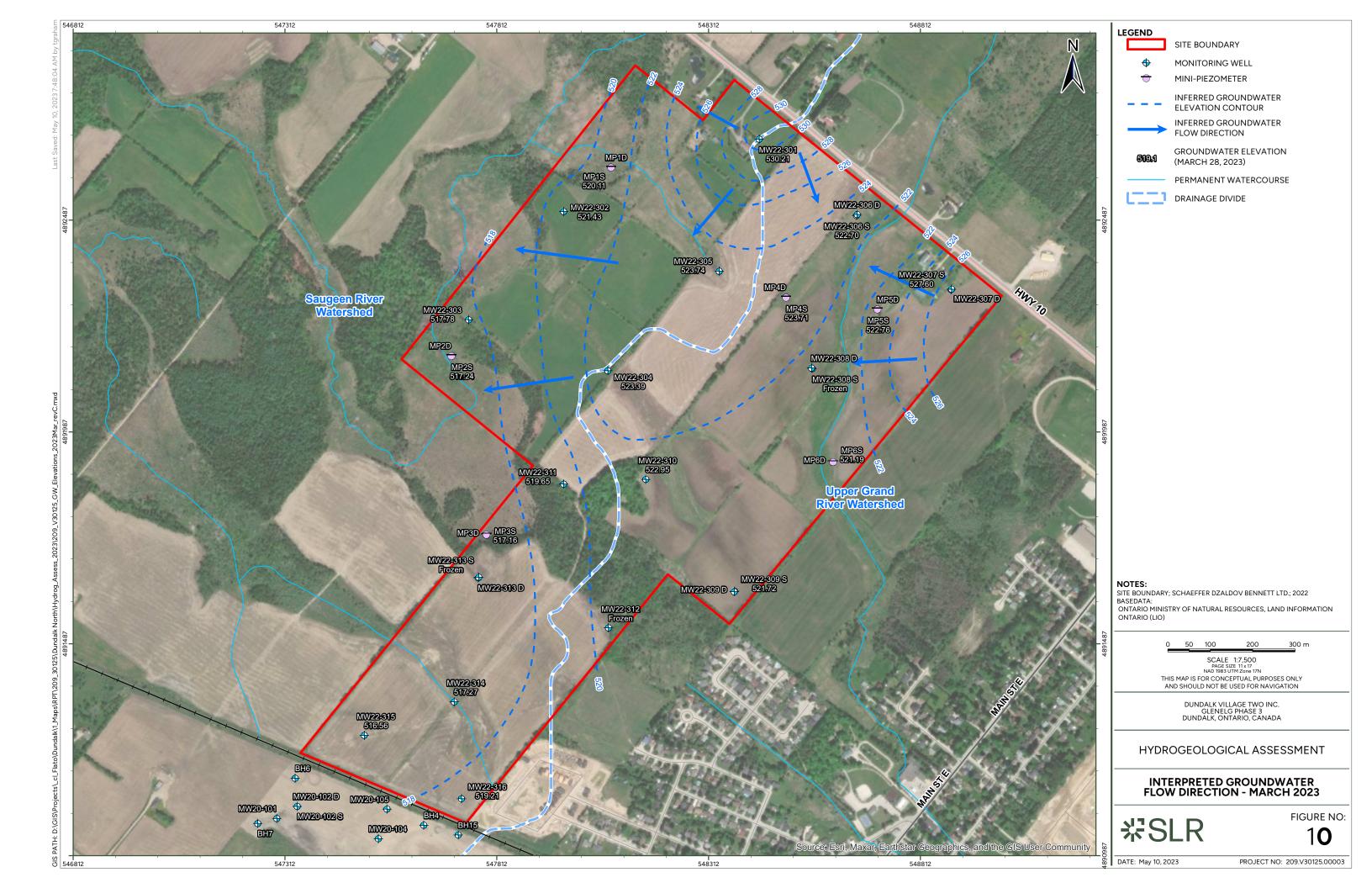
The bedrock aquifer is composed of both the Guelph Dolostone Formation and the underlying Gasport Dolostone Formation. The upper bedrock is inferred to be of low permeability, and the municipal production zone lies in the middle of the sequence. Municipal well D4 is found approximately 460 m southeast of the Site boundary, and D3 and D5 to the southeast approximately 1020 m and 1225 m, respectively (**Figure 11**). Several local residential wells also tap a sand and gravel deposit that overlies the bedrock. This deposit is laterally discontinuous, as it is not present at many locations.

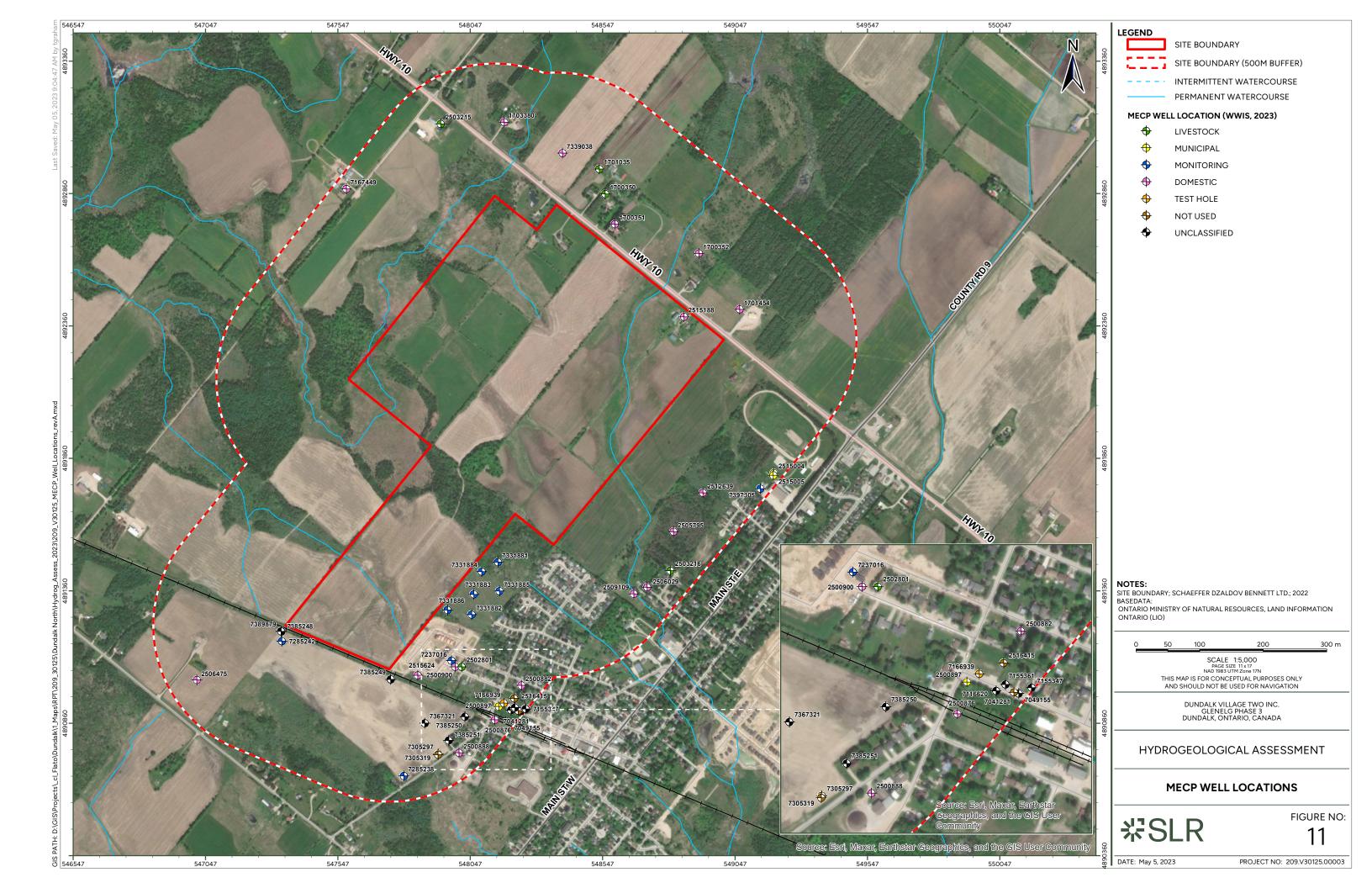












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5.0 Impact Assessment for Potential Receptors

5.1 Shallow Groundwater Features

Groundwater elevations across the Study Area are relatively shallow (generally less than 5 m) in the spring and fluctuate on a seasonal basis. Higher water levels were observed in late winter into spring following precipitation events and snowmelt. Water levels decreased into the drier summer months. Water levels generally follow ground surface elevations, where higher groundwater elevations occur at the north-western edge of Study Area, and lower groundwater elevations within the southern portion of the property.

During the spring season, the water level is hosed by surficial silty sand, and sand/gravel pockets that is noted to be discontinuous across the property. Water levels in these monitors drop into the underlying weathered till unit in the drier summer months, and subsequently into the unweathered till. The weathered till unit has an estimated hydraulic conductivity of 2 x 10^{-7} m/s. Based on a review of the MECP WWR records, the till unit extends to approximately 35 mbgs. The hydraulic conductivity of the unweathered till aquitard is estimated at 7.6 x 10^{-10} m/s, approximately 30 times lower than the weathered till.

5.2 Potable Wells

The Village of Dundalk relies on groundwater supply from wells screened within the dolostone bedrock that extends under the Site. The well capture zones have been documented by the Lake Erie Region Source Protection Committee and extend under the eastern portion of the Study Area within the bedrock. The upper bedrock is inferred to be of low permeability, and the municipal production zone lies in the middle of the sequence. Municipal well D4 is found approximately 460 m southeast of the Study Area boundary, and D3 and D5 to the southeast approximately 1020 m and 1225 m, respectively (**Figure 11**). Given the thickness of the aquitard soils at this Study Area and the fact that there will be no commercial facilities or onsite sewage disposal through private septic beds, no impact to the groundwater quality in the aquifer is expected. In addition, there are no anticipated hydrogeological impacts due to the proximal distance of the municipal wells to the Study Area. Nevertheless, predevelopment recharge will have to be maintained in the post-development condition.

Rurally there are several surrounding individual residential private wells that tap into the dolostone bedrock and have been drilled to depths of approximately 28 to 83 m. These residential water wells are a relatively low draw on the groundwater and given the thickness of the overlying clay aquitard, is not expected to be affected by the proposed development provided groundwater recharge is maintained.

Monitoring wells have been installed at the property as part of the site-specific investigations to document stabilized groundwater conditions. Monitoring is on-going and is planned to continue through construction. When the monitoring wells are determined to be no longer required, or if they are determined to be at risk of damage from grading and construction, the wells should be properly decommissioned in accordance with O. Reg. 903. Decommissioning a well which is no longer in use helps ensure the safety of those in the vicinity of the well, prevents surface water infiltration into an aquifer via the well, prevents the vertical movement of water within a well, conserves aquifer yield and hydraulic head, and can potentially remove a physical hazard.

5.3 Surface Water Features

A number of small unnamed tributaries are present at the Study Area; there are two tributaries located in the north and south ends of the Study Area that drain towards the northeast within the SRW, and one tributary within a wetland situated along in the eastern portion of the Study Area that drains towards the south within the GRW. There are also unevaluated wetlands on the Site. The wetlands will be evaluated as part of the EIS to be submitted under separate cover.



Groundwater monitoring completed across the Study Area indicates that in general, the wetland features across the property are primarily fed by precipitation and surface water run-off. However, at mini-piezometer location MP6 located within the GRW, consistently upward hydraulic gradients were recorded indicating groundwater contributions to this feature. A site-specific water balance and corresponding mitigation measures will be assessed in order to ensure that these features are not affected by development.

5.4 Construction Dewatering

Typically, temporary excavations for basements will remain dry from a groundwater inflow perspective, due to the low permeability soils and relatively shallow depths. In the wet season, there may be some temporary groundwater discharge that can be handled by sump and pump techniques. Due to the expected low volumes, it is not expected that Permit to Take Water (PTTW) or Environmental Activity and Sector Registry (EASR) approvals will be required for basement foundations which are anticipated to be fairly shallow. Additional evaluations of dewatering requirements will be completed during detailed design.



6.0 Conclusion

The following presents the conclusions of the Hydrogeological Assessment for the proposed Glenelg Phase 3 development.

- The Study Area is predominantly underlain by surficial sandy silt to silty sand till deposits up to 5 m thick. The upper weathered portion of the till unit has an estimated average hydraulic conductivity of 5.7 x 10⁻⁸ m/s. The unweathered glacial till aquitard was found to have a hydraulic conductivity 30 times lower at 7.6 x 10⁻¹⁰ m/s.
- The Study Area lies along a watershed drainage divide that runs through the centre of the property in a north-south direction.
- Groundwater is interpreted to flow primarily in a southwesterly direction along the western portion of the Site and towards the eastern creek direction along the eastern portion of the Study Area.
- There are groundwater contributions to select wetland areas within the GRW, notably at minipiezometer location MP6. It will be important to maintain groundwater contributions to these natural heritage features. No groundwater discharge conditions were recorded at the remaining mini-piezometer locations. Instead, these features are primarily sustained by precipitation and surface water run-off.
- It is recognized that the Site is located within a WHPA and SGRA.
- Municipal well D4 is located approximately 460 m southeast of the Study Area. In addition, municipal wells D3 and D5 are located approximately 1020 m and 1225 m, respectively, southeast of the Study Area. There are no anticipated hydrogeological impacts due to the proximal distance of the municipal wells to the proposed development area and low permeable surficial soils present at the Study Area.
- There are several surrounding individual residential private wells that tap into the dolostone bedrock and overburden aquifer unit. The residential water wells are a relatively low draw on the groundwater and given the thickness of the overlying clay aquitard, is not expected to be affected by the proposed development provided groundwater recharge is maintained.



7.0 Closure

We trust that this report satisfies your requirements at this time.

Regards,

SLR Consulting (Canada) Ltd.

pru

Jessica Vu, M.Sc., G.I.T. Environmental Scientist

Michael Venhuis, M.Sc., P.Geo. Senior Hydrogeologist

Claire Elliott, M.Sc., G.I.T Environmental Scientist



8.0 References

- Armstrong, D.K., Carter, T.R. 2010. The Subsurface Paleozoic Stratigraphy of Southern Ontario. Ontario Geological Survey, Mines and Minerals.
- Bouwer, H., Rice, R.C. 1976. A slug test method for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells. Water Resources research, 12 (3), 423-428.
- Chapman, L.J., Putnam, D.F. 1984. The physiography of southern Ontario, third edition. Ontario Ministry of Natural Resources.
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- Lake Erie Region Source Protection Committee (2018). Source Water Protection Updated Technical Study for Dundalk Well D5. Revised SPC-18-04-06.
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- Ontario Geological Survey (OGS). 2011. Bedrock Geology of Ontario, 1:250 000 scale, Miscellaneous Release Data 126-Revision 1.





Appendix A Development Plan

Hydrogeological Assessment

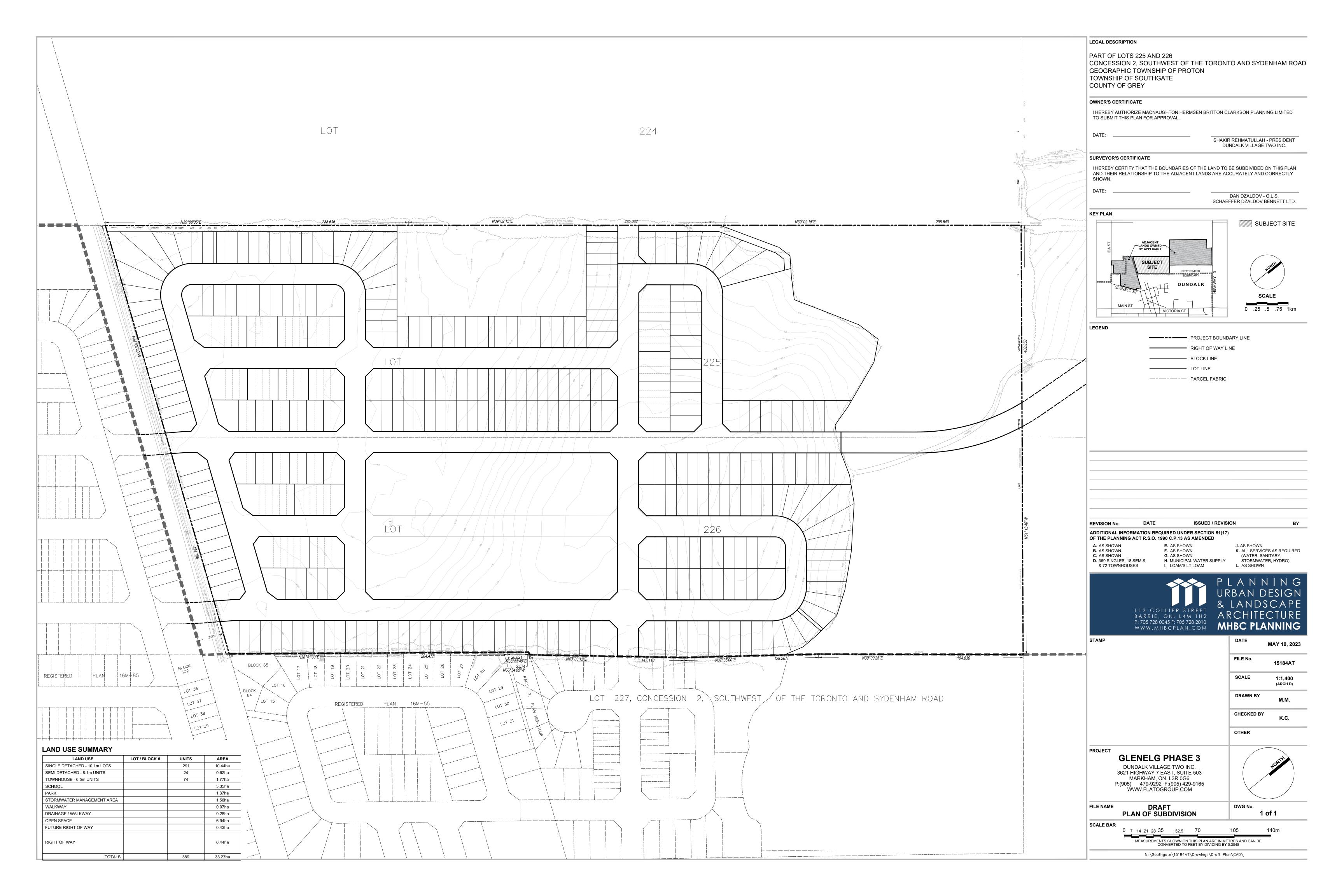
Glenelg Phase 3

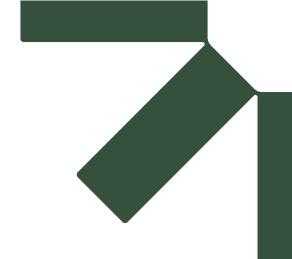
Dundalk Village Two Inc.

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Appendix B Borehole Logs

Hydrogeological Assessment

Glenelg Phase 3

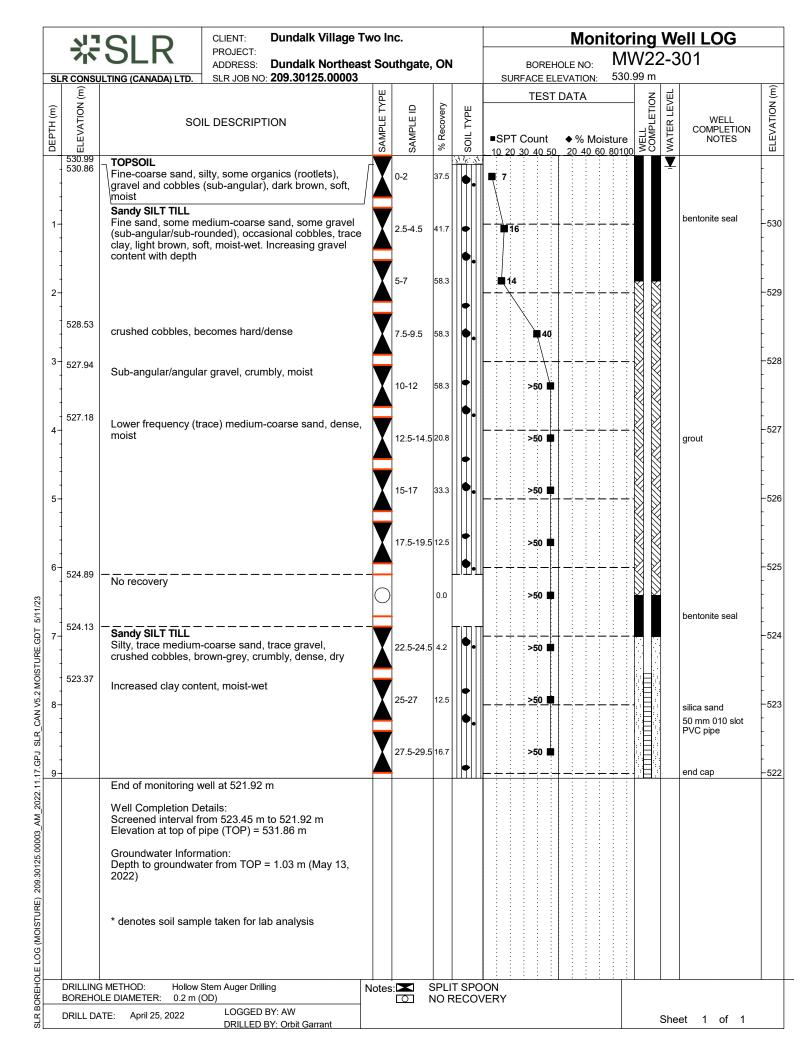
Dundalk Village Two Inc.

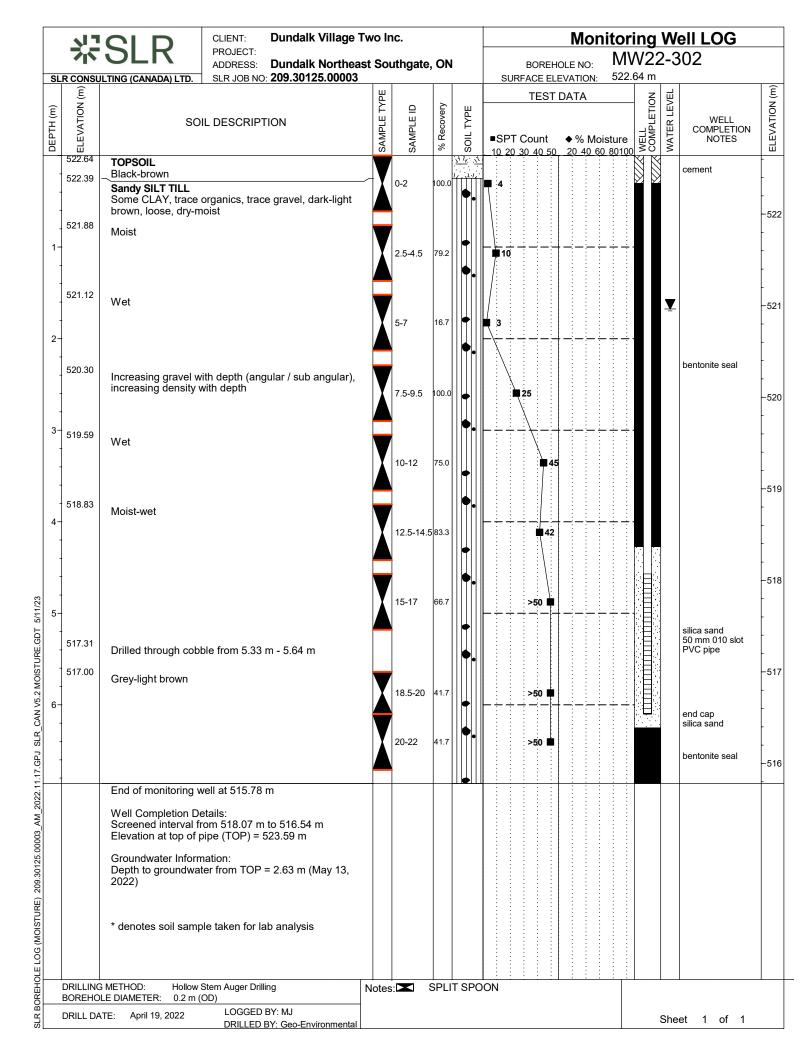
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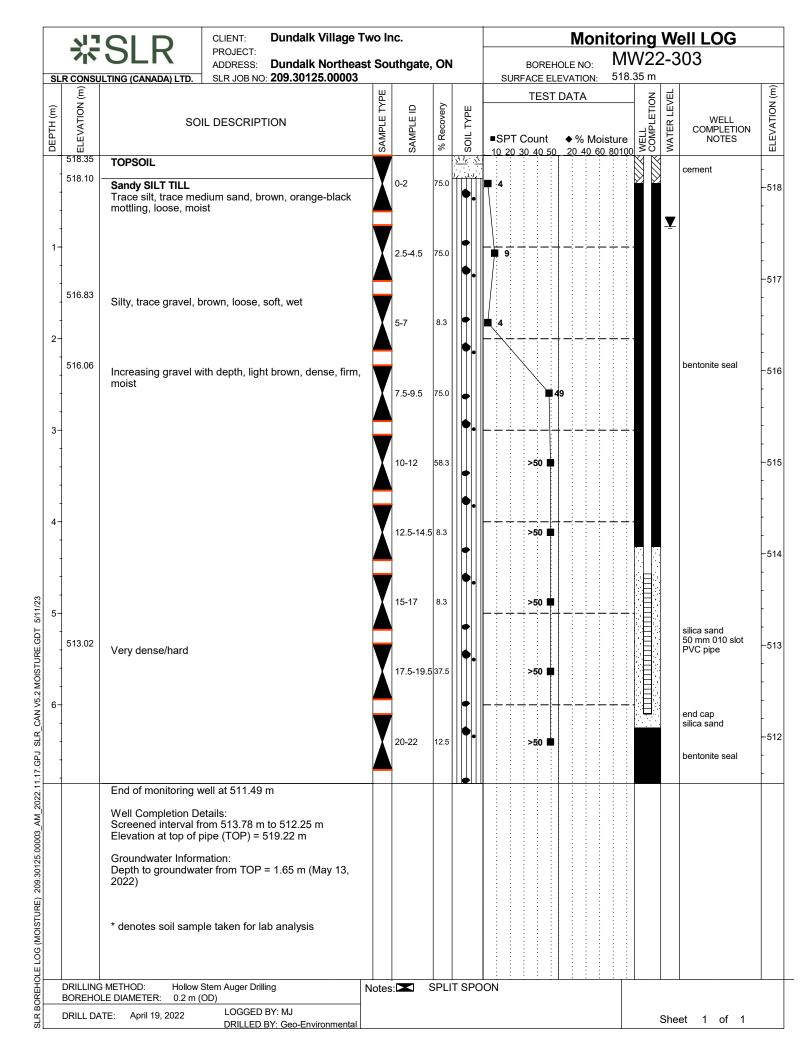
May 25, 2023

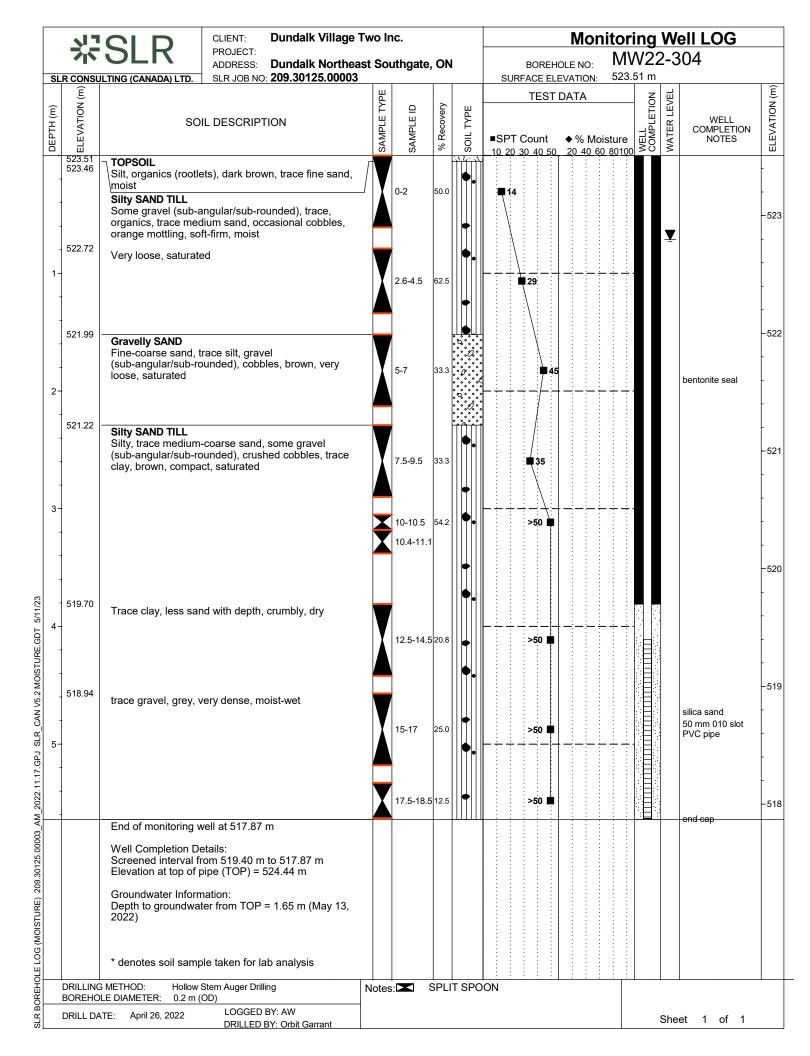


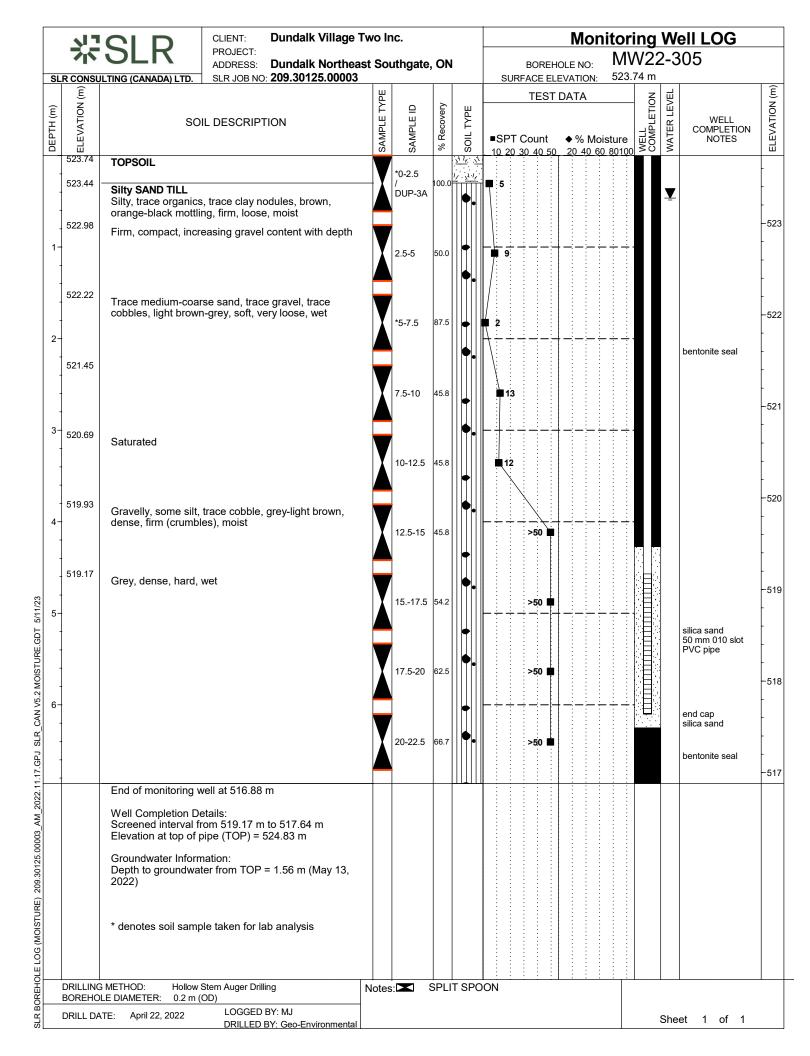
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2-			X	*5-7	50.0	• .	14				-
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			X	10-12	91.7	• .	>50 🔳			bentonite seal	
1-			X	12.5-14.	5 60.4	•.	>50 🖷				
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			X	20-22	33.3	• .					-
		End of borehole at m									
		* denotes soil sample taken for lab analysis G METHOD: Hollow Stem Auger Drilling	Notes	:: :	SPLI	T SPO	DON				
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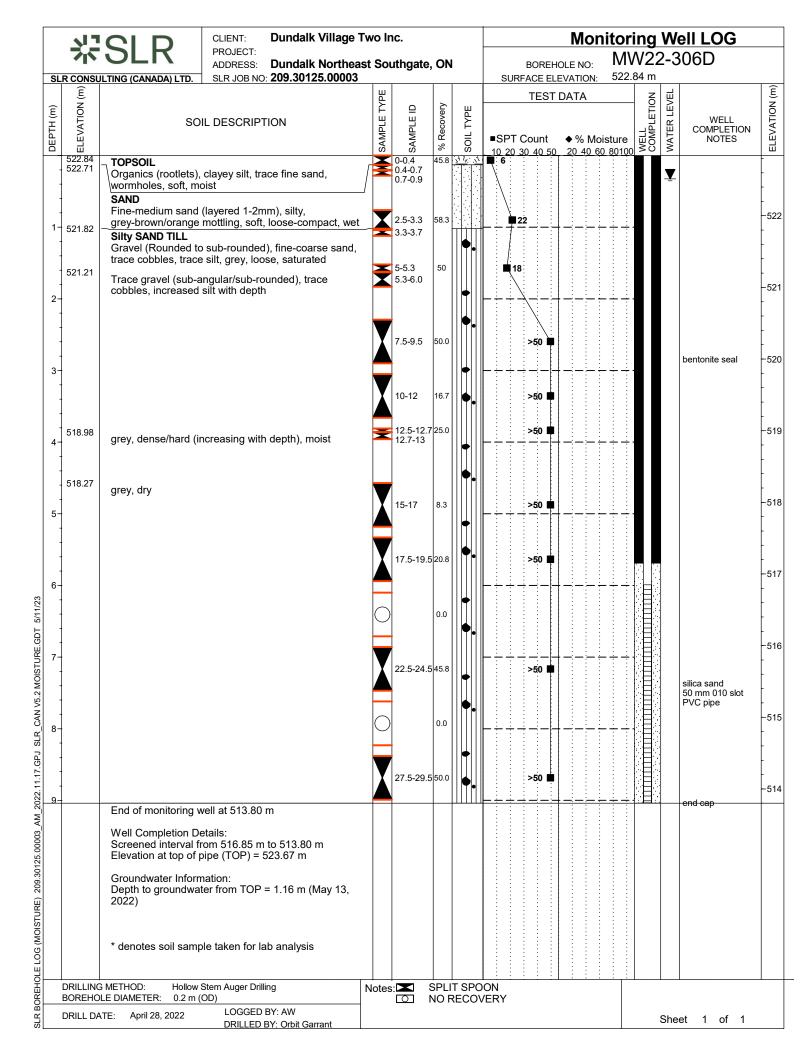




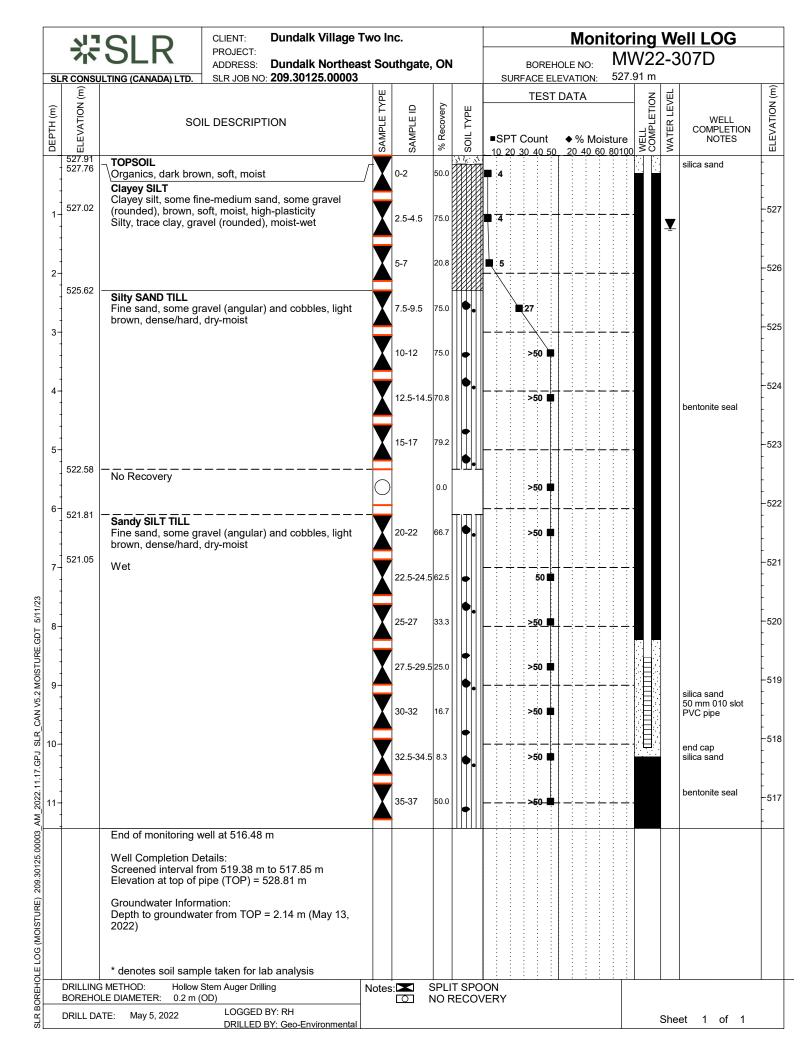






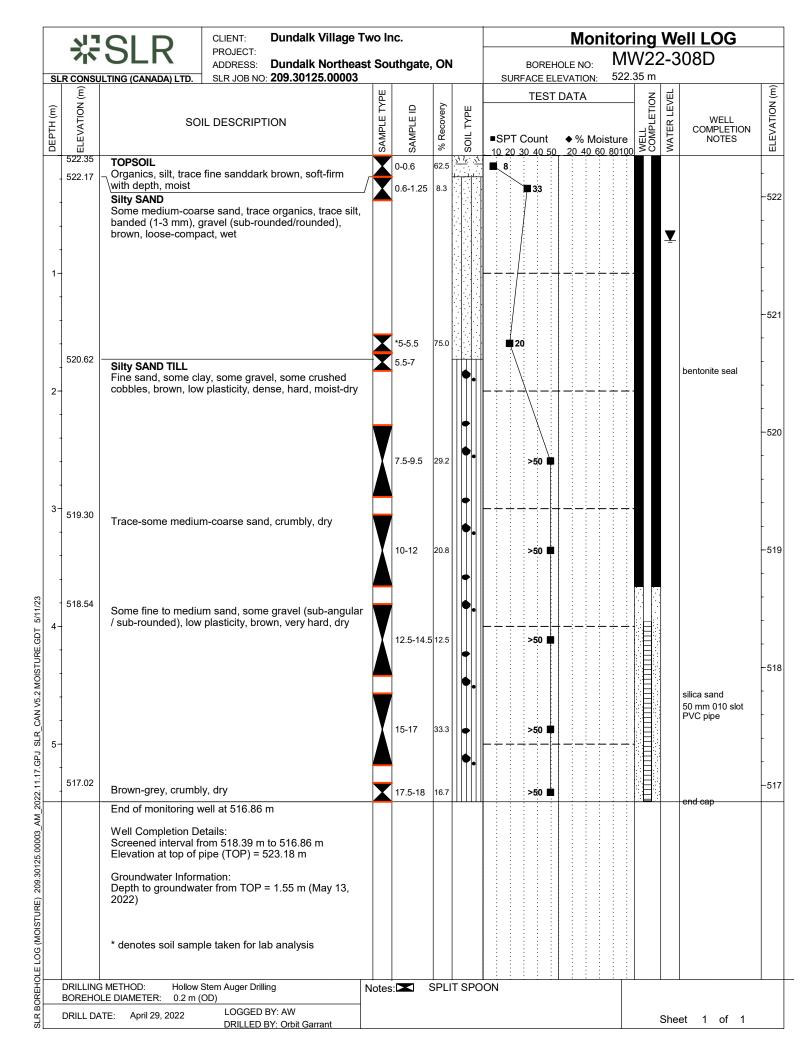


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2	521.22	Trace gravel (sub-a cobbles, increased	ingular/sub-rounded), trace silt with depth				•.			÷ ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;				- -521 -
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.17.GPJ SLR_CAN V5.2 MOISTURE.GDT A	518.99	grey, dense/hard (ir	ncreasing with depth), moist				•.						50 mm 010 slot PVC pipe	-519 -
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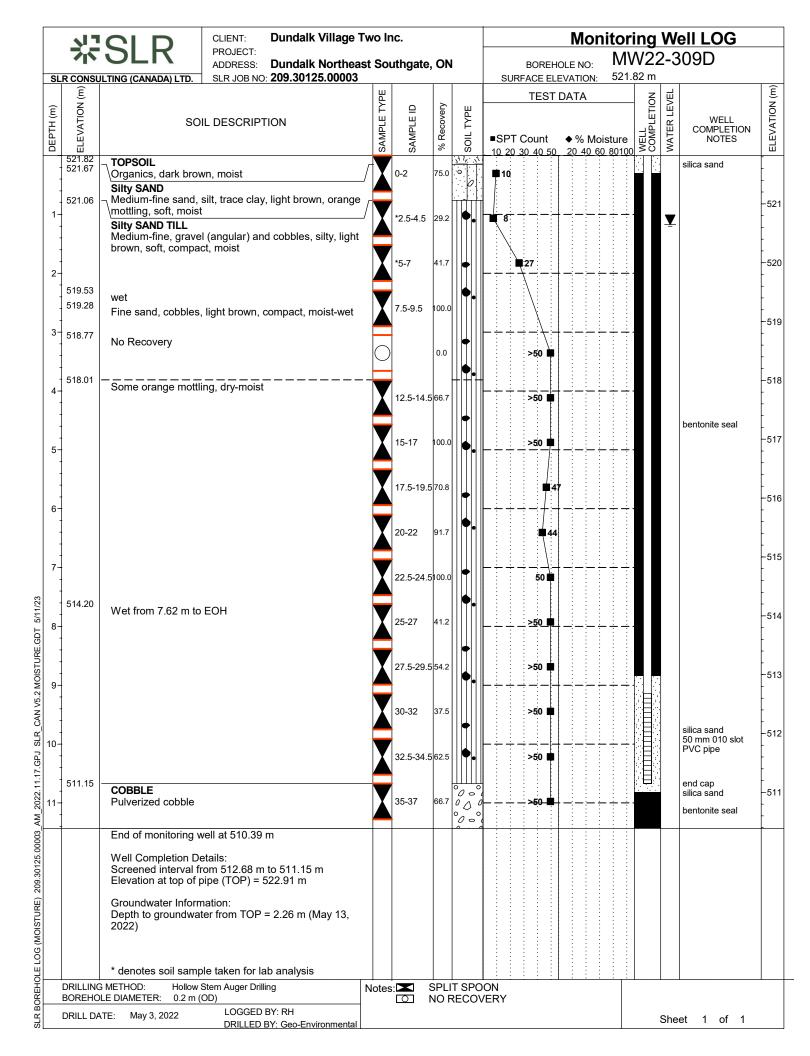


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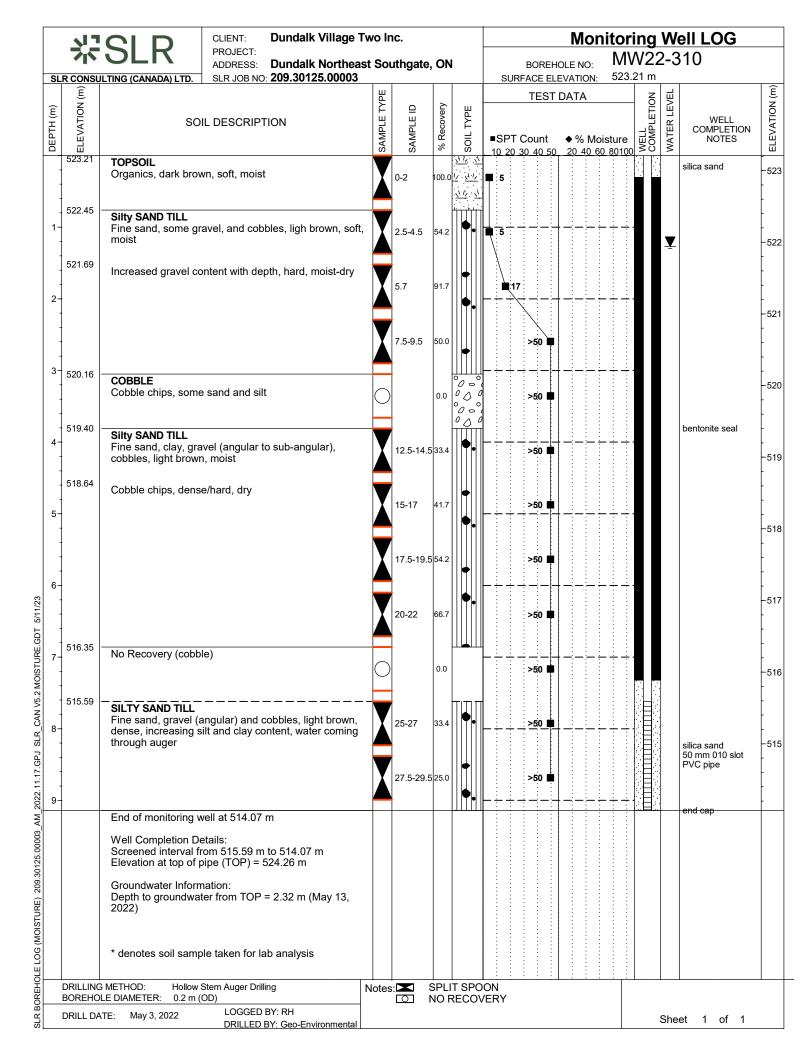
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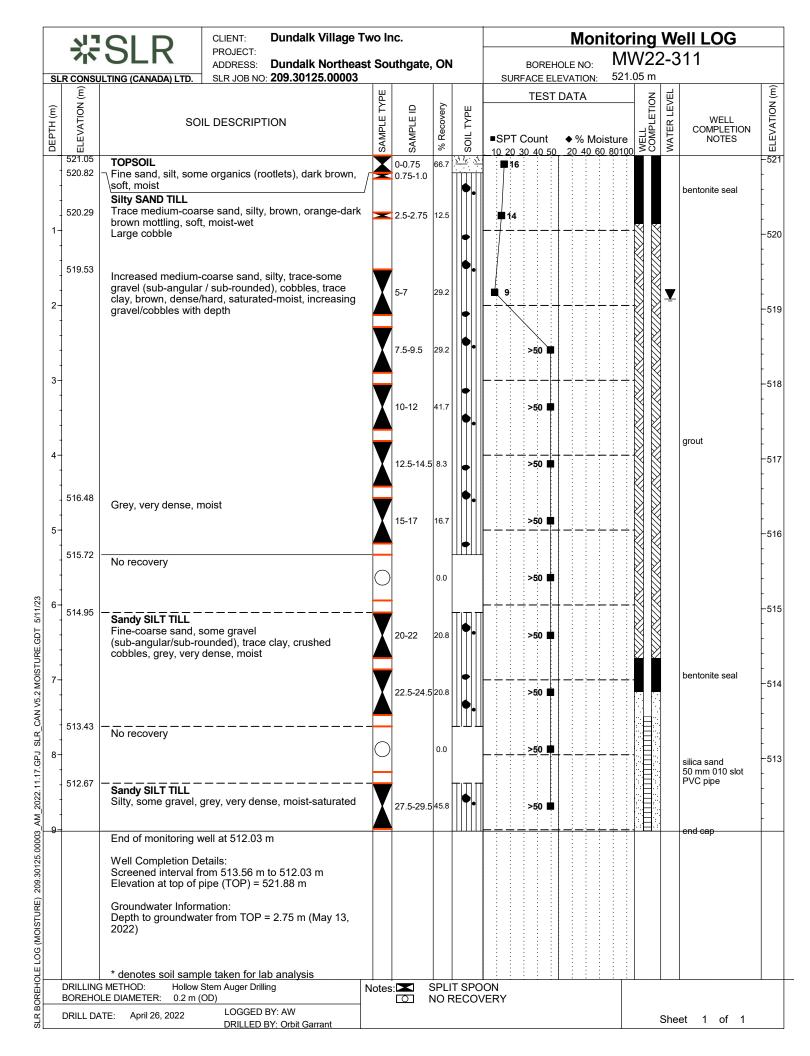


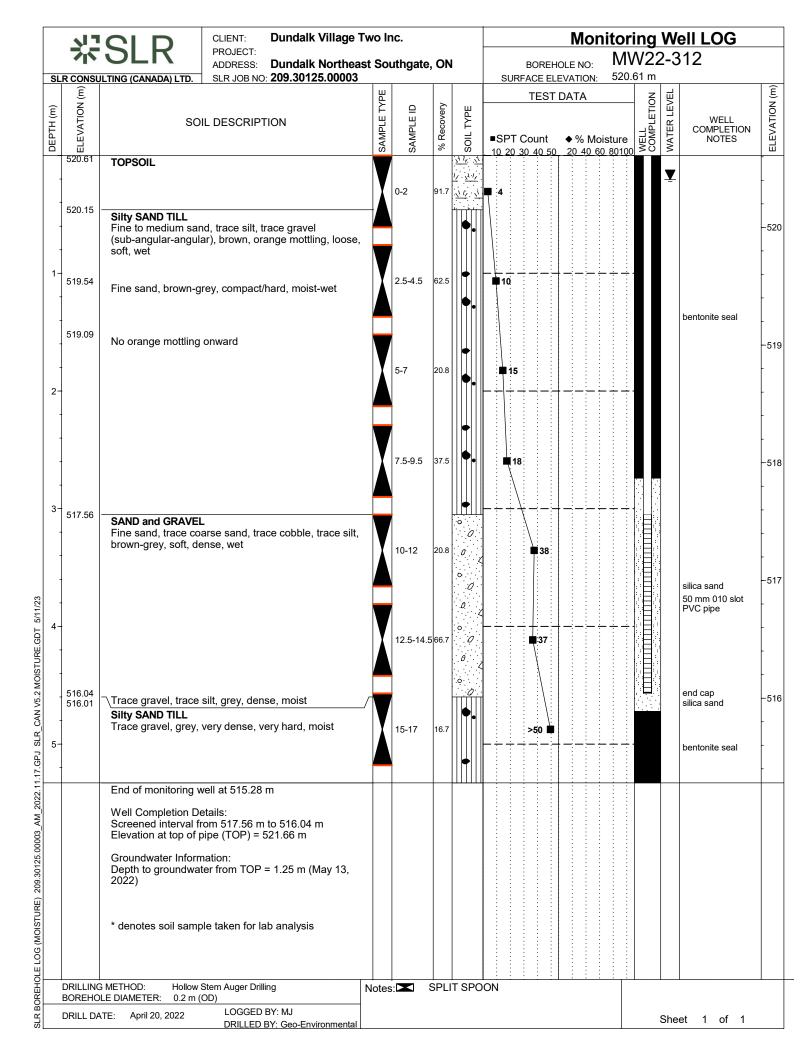
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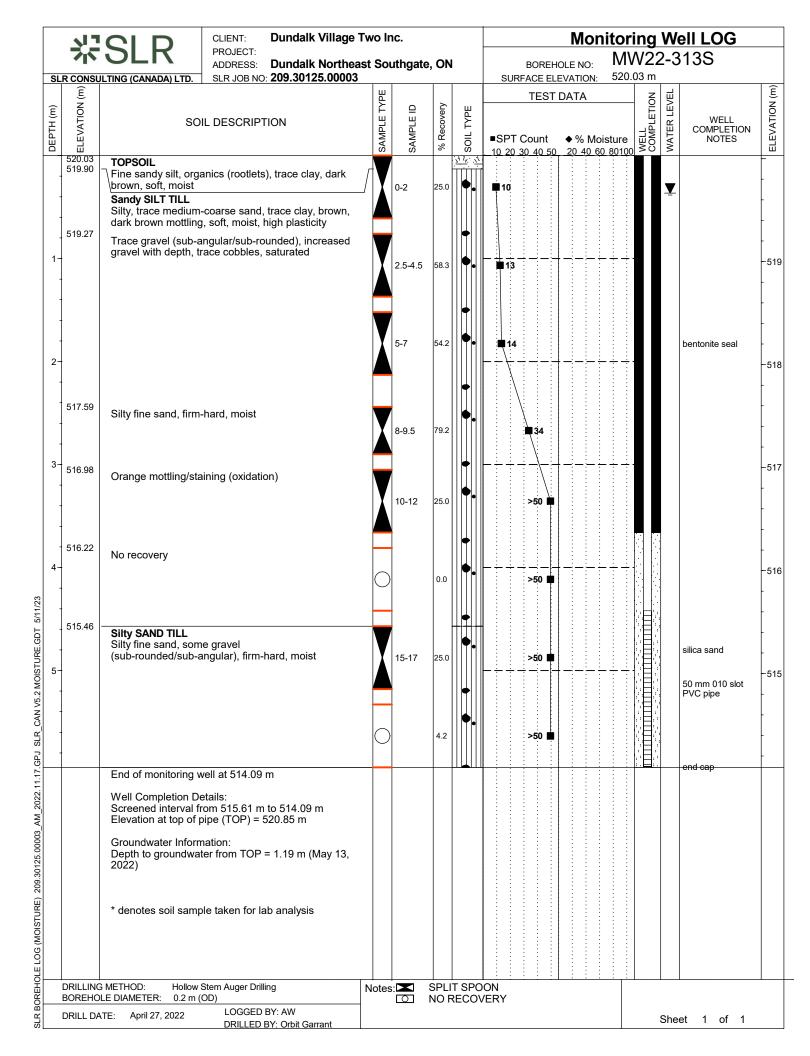
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3-	519.56 519.31 518.80	wet Fine sand, cobbles, No Recovery	light brown, compact, moist-wet				•						bentonite seal	:
4	518.04	Silty SAND TILL Medium-fine, gravel brown, orange mottl	(angular) and cobbles, silty, light ing, soft, compact, dry-moist				•••						silica sand 50 mm 010 slot PVC pipe	
6-		Elevation at top of p Groundwater Inform	stails: om 517.28 m to 515.75 m ipe (TOP) = 522.83 m										end cap	
		G METHOD: Hollow S LE DIAMETER: 0.2 m (0	Stem Auger Drilling	Notes	:					: :				
	DRILL DA		LOGGED BY: RH DRILLED BY: Geo-Environmental									Sho	et 1 of 1	



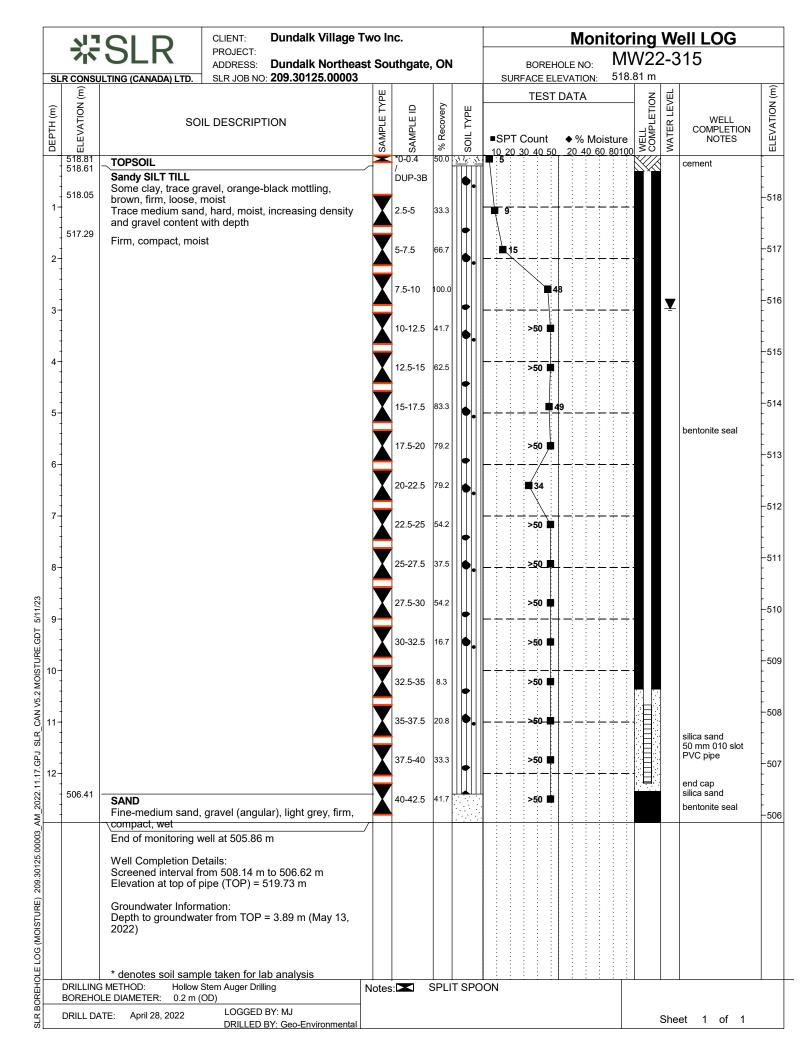


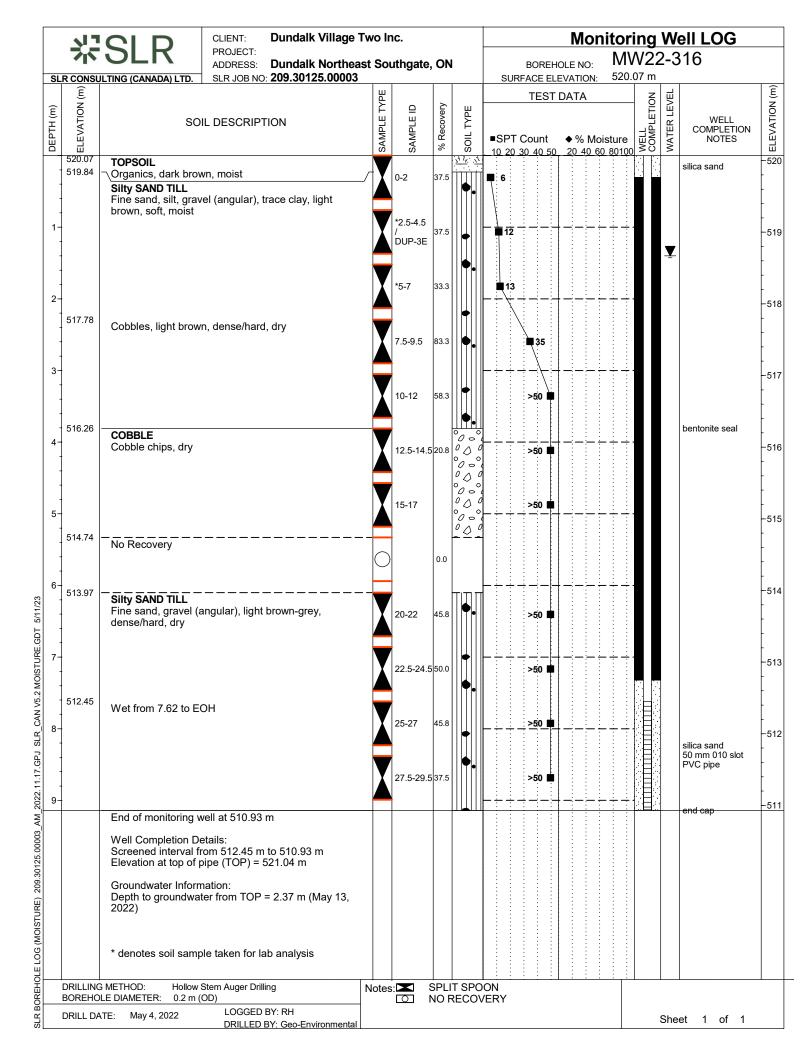


	1	SLR CLIENT: Dundalk Village PROJECT:	I WO II	1C.						ell LOG	_
		ADDRESS: Dundark Northea		uthgat	e, ON		DOTALITOLE NO.			313D	
SLF	_	LTING (CANADA) LTD. SLR JOB NO: 209.30125.00003					SURFACE ELEVATION: 5 TEST DATA	20.00 m	_		Т
DEPIH (m)	ELEVATION (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE ID	% Recovery	SOIL TYPE	■SPT Count		WATER LEVEL	WELL COMPLETION NOTES	
7	520.00 519.87	TOPSOIL √Fine sandy silt, organics (rootlets), trace clay, dark	7			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	10 20 30 40 30 20 40 00 80	7100		silica sand	7
1-	519.24	brown, soft, moist Sandy SILT TILL Silty, trace medium-coarse sand, trace clay, brown, dark brown mottling, soft, moist, high plasticity Trace gravel (sub-angular/sub-rounded), increased gravel with depth, trace cobbles, saturated				•					-
	517.56	Silty fine sand, firm-hard, moist				•					-
3-	516.95	Orange mottling/staining (oxidation)				• .					-
4-	516.19	No recovery									
5-	515.43	Silty SAND TILL Silty fine sand, some gravel (sub-rounded/sub-angular), firm-hard, moist				• .		: : : : : :	₹	bentonite seal	
3-	513.90	Silty, cobble chips, wet	X	20-22	37.5	•.	>50 ■				
7-	513.14	Coarse sand, silty, gravel (angular), cobble chips, trace clay, light brown, dense, wet-moist	X	22.5-24	.5 33.3	• .	>50 🛍				
8- 1			X	25-27	83.3	•	≥50 ■	· · · ·			
9-			X	27.5-29	.5 70.8	• .	>50 🔳		÷.		
1			X	30-32	33.3	•	>50 🔳			silica sand	-
0-	510.09	No Recovery	0	,	0.0		>50 🔳			50 mm 010 slot PVC pipe	-
1-	509.33	Sandy SILT TILL Fine sand, clay, gravel, light brown, wet	X	35-37	20.8		>50.			end cap silica sand bentonite seal	
\dagger		End of monitoring well at 508.57 m			+						+
		Well Completion Details: Screened interval from 510.86 m to 509.33 m Elevation at top of pipe (TOP) = 521.06 m									
		Groundwater Information: Depth to groundwater from TOP = 5.93 m (May 13, 2022)									
	ORILLING	* denotes soil sample taken for lab analysis BMETHOD: Hollow Stem Auger Drilling	Notes		SPI I	Γ SPO	ON				
		LE DIAMETER: 0.2 m (OD)	140168	S. 🔼		ECOV					



	717	SLR CLIENT: Dundalk Village To	wo li	nc.						ell LOG	
e		ADDRESS: Dulluaik Not tileas	t So	uthgate	e, ON	l	DOTALTIOLE NO.	//W2 17.28 m		314	
(III)	ELEVATION (m)	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE ID	% Recovery	SOIL TYPE	TEST DATA ■SPT Count ◆ % Moistu	re ROLL		WELL COMPLETION NOTES	
_	Б 517.28 517.13	TOPSOIL		S S	-	7/1/N 7/	10 20 30 40 50 20 40 60 80	100 > 0	<u> </u>	cement	+
-	317.13	SAND Silty, occasional medium sand, trace gravel, brown, orange-black mottling, loose, frim, moist	X	0-2	70.8		4		∑ ∑	Cement	
1-	516.52	Silty SAND TILL Fine sand, some cobbles, brown-grey, loose, firm, wet	X	2.5-4.5	41.7		14	÷ .			
2-	515.76 515.65	Some silt, occasional coarse sand, trace gravel, brown/grey - orange mottling, loose, soft-firm, wet Orange mottling, loose, firm, wet	X	5-7	41.7	+	1 6	: : : : : :			-
-	514.99	fine-medium sand, some gravel (angular), trace cobble, trace clay, brown-grey, dense, firm, moist-dry, increasing gravel content with depth	X	7.5-9.5	41.7	+	>50			bentonite seal	
3-			X	10-12	41.7	+	■39	: : : : : : :			•
4-			X	12.5-14	.5 33.3	+	>50 🛍				
5-	512.71	loose, sands and gravel layer	X	15-17	33.3	•	>50 🔳				
			Y	17.5-19	.5 66.7	•	>50 📠			silica sand 50 mm 010 slot PVC pipe	
6-			Y	20-22	37.5	•.	>50 🛍			end cap silica sand	
_										bentonite seal	
		End of monitoring well at 510.42 m Well Completion Details: Screened interval from 512.71 m to 511.18 m Elevation at top of pipe (TOP) = 518.25 m									
		Groundwater Information: Depth to groundwater from TOP = 1.55 m (May 13, 2022)									
		* denotes soil sample taken for lab analysis									
		METHOD: Hollow Stem Auger Drilling LE DIAMETER: 0.2 m (OD)	Notes	s: 	SPL	T SPC	DON	<u> </u>			
		_E DIAMETER:							She	eet 1 of 1	







Appendix C Groundwater Data

Hydrogeological Assessment

Glenelg Phase 3

Dundalk Village Two Inc.

SLR Project No.: 209.30125.00003

May 25, 2023





Table C-1: Groundwater Elevations in Monitoring Wells

Monitor ID	Units	13-May-22	13-Jul-22	20-Sep-22	25-Nov-22	28-Mar-23
MW22-301	mbgs	0.16	2.57	3.70	4.76	0.78
1414422-301	masl	530.83	528.42	527.29	526.23	530.21
MW22 202	mbgs	1.68	2.15	3.49	2.94	1.21
MW22-302	masl	520.96	520.49	519.15	519.70	521.43
MM/22, 202	mbgs	0.77	1.37	2.55	0.85	0.57
MW22-303	masl	517.58	516.98	515.80	517.50	517.78
M/M/22, 204	mbgs	0.71	1.80	3.08	3.68	0.12
MW22-304	masl	522.80	521.71	520.43	519.83	523.39
MW22 20E	mbgs	0.46	1.31	2.59	2.50	0.00
MW22-305	masl	523.28	522.43	521.15	521.24	523.74
MM/22, 2060	mbgs	0.43	1.30	2.48	1.75	0.15
MW22-306S	masl	522.42	521.55	520.37	521.10	522.70
M/M/22, 20CD	mbgs	0.33	1.24	2.36	1.61	0.02
MW22-306D	masl	522.52	521.60	520.48	521.23	522.82
MW22-307S	mbgs	1.41	2.23	3.95	4.48	0.37
MVV22-30/5	masl	526.56	525.74	524.02	523.49	527.60
M/M/22, 207D	mbgs	1.24	2.06	3.69	4.13	0.18
MW22-307D	masl	526.67	525.85	524.22	523.78	527.73
MW22-308S	mbgs	0.67	1.75	2.52	2.08	Frozen
1410022-3063	masl	521.54	520.45	519.69	520.12	Frozen
MW22-308D	mbgs	0.72	1.89	2.81	2.22	Frozen
1110022-3000	masl	521.63	520.46	519.54	520.13	Frozen
MW22-309S	mbgs	1.15	-	-	2.82	0.13
1414422-3095	masl	520.70	-	-	519.03	521.72
MW22-309D	mbgs	1.17	-	-	2.89	0.17
1110022-3030	masl	520.65	-	-	518.93	521.65



Table C-1: Groundwater Elevations in Monitoring Wells

Monitor ID	Units	13-May-22	13-Jul-22	20-Sep-22	25-Nov-22	28-Mar-23
MW22-310	mbgs	1.27	1.96	3.57	3.37	0.26
1414422-310	masl	521.94	521.25	519.64	519.84	522.95
MW22-311	mbgs	1.91	2.56	3.71	3.69	1.40
1414422-311	masl	519.14	518.49	517.34	517.36	519.65
MW22-312	mbgs	0.20	1.03	2.25	1.70	Frozen
I*IVV22-312	masl	520.41	519.58	518.36	518.91	Frozen
MM/22 242C	mbgs	0.36	1.43	2.50	2.11	Frozen
MW22-313S	masl	519.67	518.60	517.53	517.92	Frozen
MANA/22 212D	mbgs	4.87	1.59	2.22	2.09	-0.01
MW22-313D	masl	515.13	518.42	517.78	517.92	520.01
NAVA/22 214	mbgs	0.58	1.43	2.57	1.89	0.01
MW22-314	masl	516.70	515.85	514.71	515.39	517.27
NAVA/22 245	mbgs	2.97	3.96	5.18	5.01	2.25
MW22-315	masl	515.84	514.85	513.63	513.80	516.56
MW/22 216	mbgs	1.40	2.14	3.46	2.89	0.86
MW22-316	masl	518.67	517.94	516.62	517.18	519.21



Table C-2: Groundwater Elevations in Mini-Piezometers

Monitor ID	Units	13-May-22	13-Jul-22	20-Sep-22	25-Nov-22	28-Mar-23
MP1S	mbgs	-0.19	0.08	0.77	-0.07	-0.29
111113	masl	520.01	519.74	519.05	519.89	520.11
MP1D	mbgs	-0.20	0.05	0.77	-0.09	-0.30
MPID	masl	520.01	519.76	519.04	519.90	520.11
MP2S	mbgs	-0.25	-0.35	0.69	0.11	-0.36
MP25	masl	517.13	517.23	516.19	516.77	517.24
MP2D	mbgs	-0.20	0.52	0.78	0.22	-0.28
MPZD	masl	517.13	516.41	516.15	516.71	517.21
MP3S	mbgs	0.34	0.42	0.99	0.45	-0.09
MP35	masl	516.73	516.65	516.08	516.62	517.16
MP3D	mbgs	1.70	0.27	0.91	0.36	-0.19
MPSD	masl	515.26	516.69	516.05	516.60	517.16
MP4S	mbgs	-0.03	Dry @ 0.86	0.00	0.54	-0.09
111743	masl	523.65	Dry @ 522.76	Dry @ 522.76	523.08	523.71
MP4D	mbgs	0.22	1.46	0.00	1.45	-0.14
MP4D	masl	523.36	522.12	Dry @ 521.83	522.14	523.72
MP5S	mbgs	-0.79	Dry @ 0.95	0.00	-0.30	-0.01
MP33	masl	523.54	Dry @ 521.80	Dry @ 521.84	523.05	522.76
MP5D	mbgs	0.02	1.23	0.00	-0.37	-0.09
MPSD	masl	522.65	521.44	Dry @ 520.91	523.04	522.76
MP6S	mbgs	-0.04	0.36	0.00	0.62	-0.28
נסאויו	masl	520.95	520.55	Dry @ 519.95	520.30	521.19
MP6D	mbgs	-0.23	0.11	1.21	0.41	-0.34
ויורטט	masl	521.12	520.78	519.68	520.48	521.23

Table C-3a: Vertical Hydraulic Gradients - Monitoring Wells

Well ID	13-May-22	13-Jul-22	20-Sep-22	25-Nov-22	28-Mar-23
	M ¹	W22-306			
Shallow groundwater elevations (masl)	522.42	521.55	520.37	521.10	522.70
Deep groundwater elevations (masl)	522.52	521.60	520.48	521.23	522.82
Hydraulic gradient (m/m)	-0.07	-0.03	-0.08	-0.09	-0.09
	M	W22-307			
Shallow groundwater elevations (masl)	526.56	525.74	524.02	523.49	527.60
Deep groundwater elevations (masl)	526.67	525.85	524.22	523.78	527.73
Hydraulic gradient (m/m)	-0.04	-0.05	-0.08	-0.12	-0.05
	M	W22-308			
Shallow groundwater elevations (masl)	521.54	520.45	519.69	520.12	Frozen
Deep groundwater elevations (masl)	521.63	520.46	519.54	520.13	Frozen
Hydraulic gradient (m/m)	-0.12	-0.01	0.19	-0.01	-
	M	W22-309			
Shallow groundwater elevations (masl)	520.70	-	-	519.03	521.72
Deep groundwater elevations (masl)	520.65	-	-	518.93	521.65
Hydraulic gradient (m/m)	0.01	-	-	0.03	0.03
	M	W22-313			
Shallow groundwater elevations (masl)	519.67	518.60	517.53	517.92	Frozen
Deep groundwater elevations (masl)	515.13	518.42	517.78	517.92	520.01
Hydraulic gradient (m/m)	N.R.	0.06	-0.08	0.00	-

Notes:

masl denotes metres above sea level

Positive value denotes downward hydraulic gradients (i.e., groundwater recharge conditions)
Negative value denotes upward hydraulic gradients (i.e., groundwater discharge conditions)
N.R. denotes not representative as water levels did not fully recover following installation

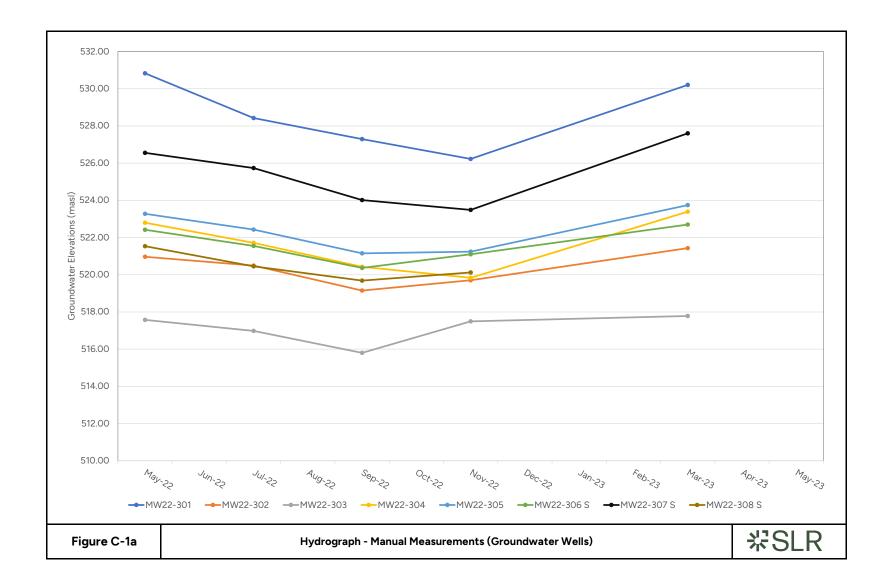
Table C-3b: Vertical Hydraulic Gradients - Mini Piezometers

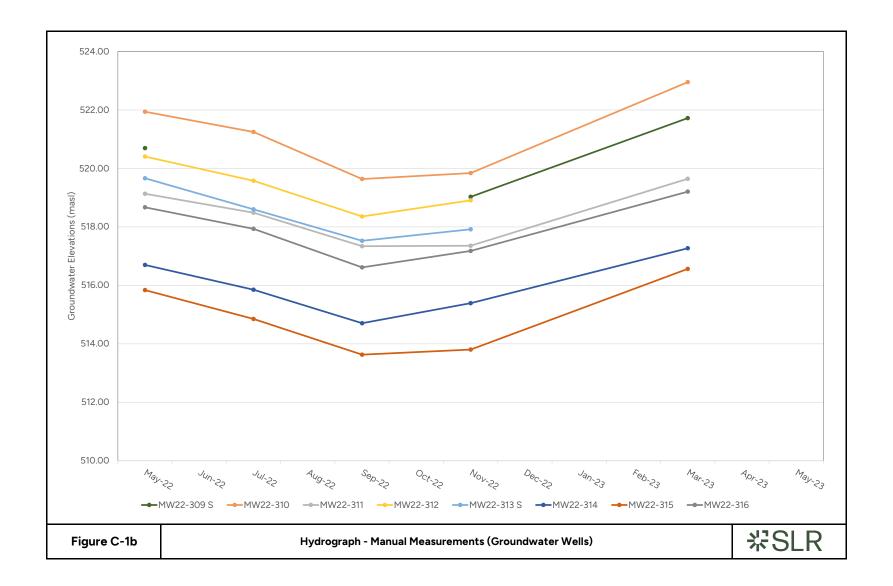
Well ID	13-May-22	13-Jul-22	20-Sep-22	25-Nov-22	28-Mar-23
		MP1			
Shallow groundwater elevations (masl)	520.01	519.74	519.05	519.89	520.11
Deep groundwater elevations (masl)	520.01	519.76	519.04	519.90	520.11
Hydraulic gradients (m/m)	-0.01	-0.03	0.03	-0.01	-0.01
		MP2			
Shallow groundwater elevations (masl)	517.13	517.23	516.19	516.77	517.24
Deep groundwater elevations (masl)	517.13	516.41	516.15	516.71	517.21
Hydraulic gradients (m/m)	0.00	-	0.05	0.08	0.03
		MP3			
Shallow groundwater elevations (masl)	516.73	516.65	516.08	516.62	517.16
Deep groundwater elevations (masl)	515.26	516.69	516.05	516.60	517.16
Hydraulic gradients (m/m)	-	-0.07	0.05	0.03	0.00
		MP4			
Shallow groundwater elevations (masl)	523.65	Dry	Dry	523.08	523.71
Deep groundwater elevations (masl)	523.36	522.12	Dry	522.14	523.72
Hydraulic gradients (m/m)	0.39	na	na	-	-0.01
		MP5			
Shallow groundwater elevations (masl)	523.54	Dry	Dry	523.05	522.76
Deep groundwater elevations (masl)	522.65	521.44	Dry	523.04	522.76
Hydraulic gradients (m/m)	-	na	na	0.02	0.00
		MP6			
Shallow groundwater elevations (masl)	520.95	520.55	Dry	520.30	521.19
Deep groundwater elevations (masl)	521.12	520.78	519.68	520.48	521.23
Hydraulic gradients (m/m)	-0.28	-0.38	na	-0.31	-0.08

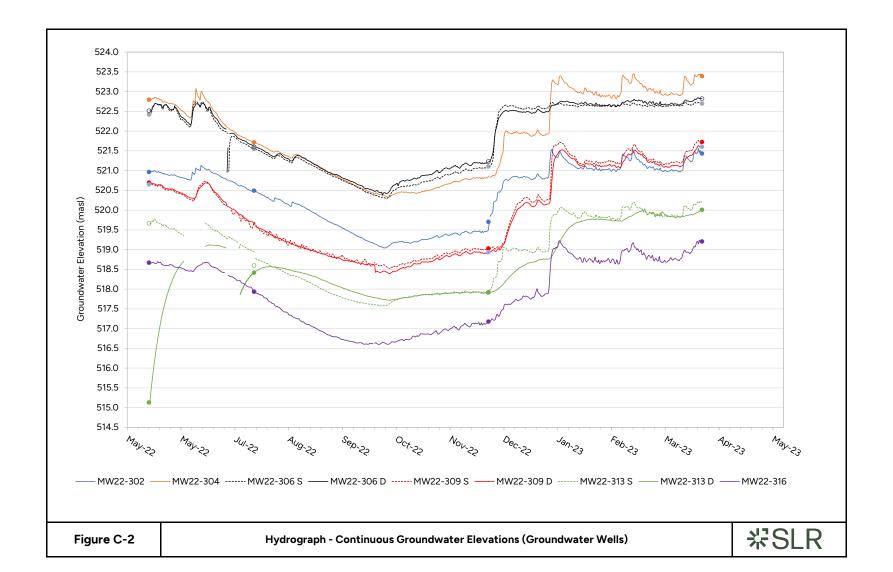
Notes:

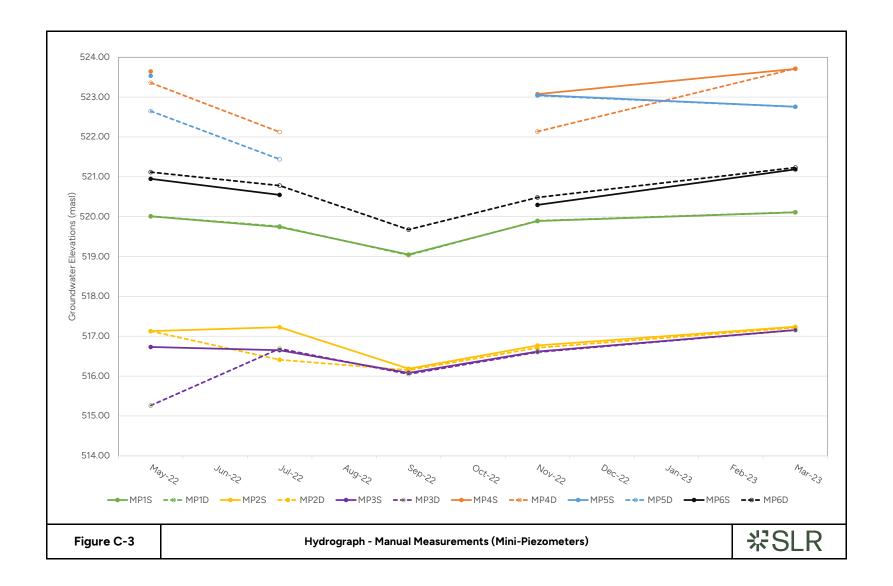
masl denotes metres above sea level

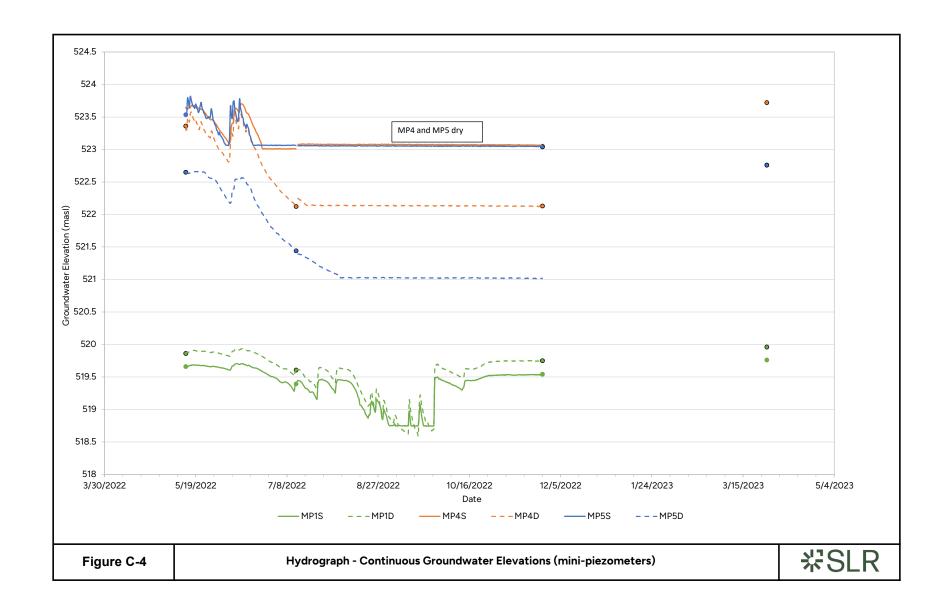
Positive value denotes downward hydraulic gradients (i.e., groundwater recharge conditions)
Negative value denotes upward hydraulic gradients (i.e., groundwater discharge conditions)
-' inicates that a hydraulic gradient value could not be obtained as the difference in groundwater elevation was greater than the difference in length.













Appendix D Hydraulic Conductivity Analyses

Hydrogeological Assessment

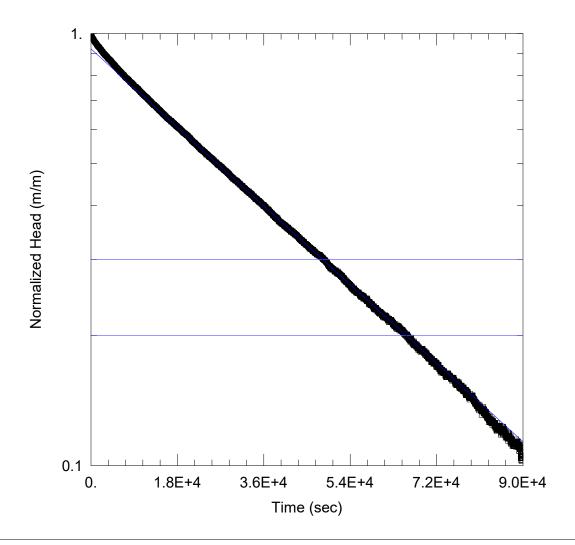
Glenelg Phase 3

Dundalk Village Two Inc.

SLR Project No.: 209.30125.00003

May 25, 2023





WELL TEST ANALYSIS

Data Set: N:\...\MW22-306D_AM.aqt

Date: 07/27/22 Time: 12:08:33

PROJECT INFORMATION

Project: <u>209.30125.00003</u> Location: <u>Dundalk North</u> Test Date: <u>6/27/2022</u>

AQUIFER DATA

Saturated Thickness: 8.265 m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW22-306D)

Initial Displacement: 1.472 m

Static Water Column Height: 8.265 m

Total Well Penetration Depth: 8.208 m

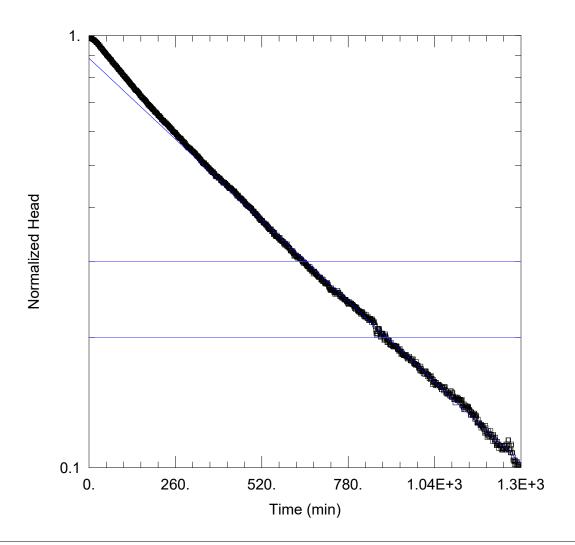
Screen Length: 3.048 m Well Radius: 0.1016 m

Casing Radius: 0.0254 m

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 7.592E-9 m/sec y0 = 1.357 m



WELL TEST ANALYSIS

Data Set: N:\...\MW22-306S AM.aqt

Date: 07/27/22 Time: 16:59:39

PROJECT INFORMATION

Company: SLR Consulting

Client: FLATO Developments Inc.

Project: 209.30125 Location: Dundalk North Test Well: MW22-306S Test Date: June 28, 2022

AQUIFER DATA

Saturated Thickness: 3.62 m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW22-306S)

Initial Displacement: 1.183 m

Total Well Penetration Depth: 3.62 m

Casing Radius: 0.0254 m

Static Water Column Height: 3.62 m

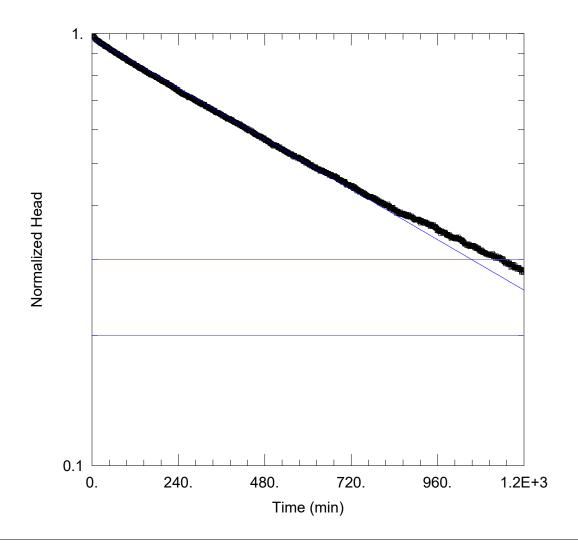
Screen Length: 1.52 m Well Radius: 0.1016 m

SOLUTION

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

K = 1.439E-8 m/secy0 = 1.048 m



WELL TEST ANALYSIS

Data Set: N:\...\MW22-309S_AM.aqt

Date: 07/28/22 Time: 06:57:49

PROJECT INFORMATION

Company: SLR Consulting

Client: FLATO Developments Inc.

Project: 209.30125
Location: Dundalk North
Test Well: MW22-309S
Test Date: June 27, 2022

AQUIFER DATA

Saturated Thickness: 4.35 m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW22-309S)

Initial Displacement: 1.14 m

Total Well Penetration Depth: 4.35 m

Casing Radius: 0.0254 m

Static Water Column Height: 4.35 m

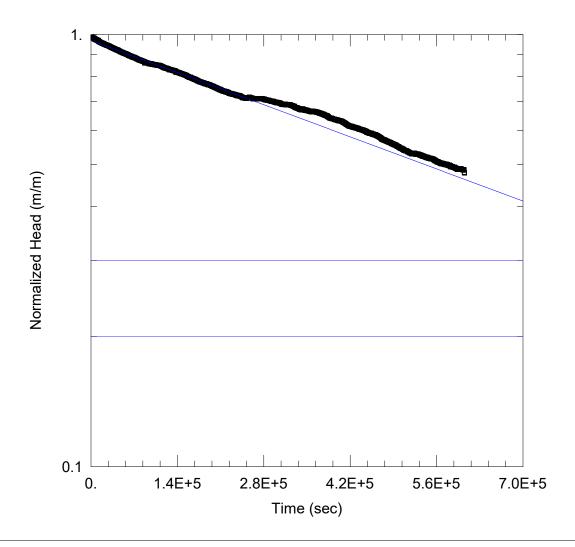
Screen Length: 1.53 m Well Radius: 0.1016 m

SOLUTION

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

K = 1.003E-8 m/sec y0 = 1.114 m



WELL TEST ANALYSIS

Data Set: N:\...\MW22-313D JH.aqt

Date: 09/02/22 Time: 08:28:59

PROJECT INFORMATION

Company: <u>SLR</u> Client: Flato

Project: 209.30125.00003 Location: Dundalk North Test Well: MW22-313D

AQUIFER DATA

Saturated Thickness: 10.05 m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW22-313D)

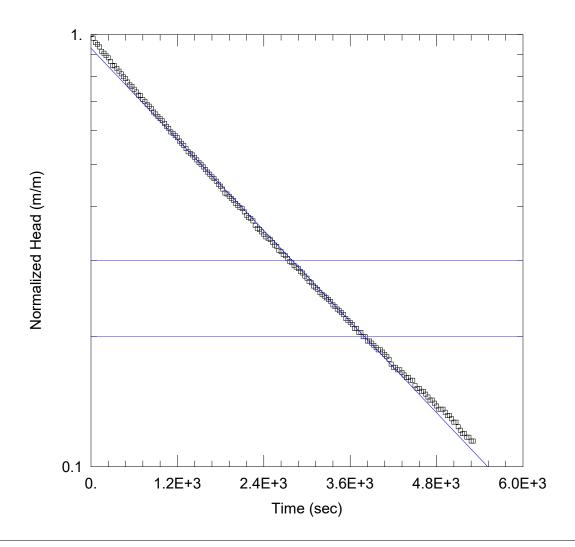
Initial Displacement: 2.907 m Static Water Column Height: 10.05 m

Total Well Penetration Depth: 10.05 m Screen Length: 1.524 m Casing Radius: 0.0254 m Well Radius: 0.1016 m

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 7.628E-10 m/sec y0 = 2.817 m



WELL TEST ANALYSIS

Data Set: N:\...\MW22-313S JH.aqt

Date: 07/29/22 Time: 12:13:07

PROJECT INFORMATION

Company: <u>SLR</u> Client: Flato

Project: 209.30125.00003 Location: Dundalk North Test Well: MW22-313S

AQUIFER DATA

Saturated Thickness: 4.825 m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW22-313S)

Initial Displacement: 1.216 m

Static Water Column Height: 4.825 m

Total Well Penetration Depth: 4.825 m Casing Radius: 0.0254 m

Screen Length: 1.524 m Well Radius: 0.1016 m

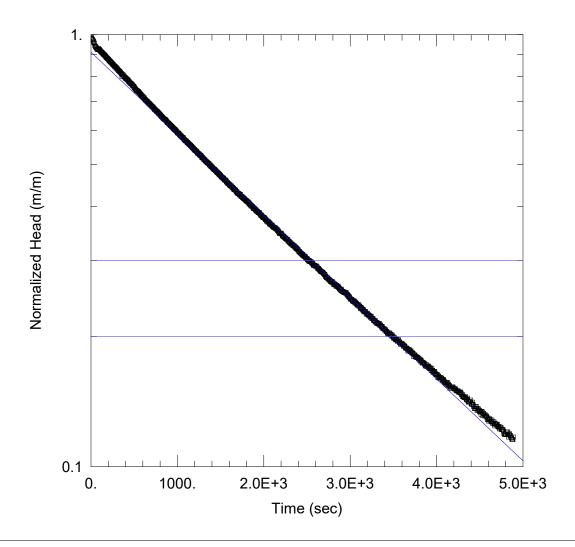
SOLUTION

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

K = 2.226E-7 m/sec

y0 = 1.13 m



WELL TEST ANALYSIS

Data Set: N:\...\MW22-316 JH.aqt

Date: 07/29/22 Time: 12:14:11

PROJECT INFORMATION

Company: SLR Client: Flato

Project: 209.30125.00003 Location: Dundalk North Test Well: MW22-316

AQUIFER DATA

Saturated Thickness: 7.369 m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW22-316)

Initial Displacement: 1.763 m

Static Water Column Height: 7.369 m

Total Well Penetration Depth: 7.369 m Casing Radius: 0.0254 m

Screen Length: 1.524 m Well Radius: 0.1016 m

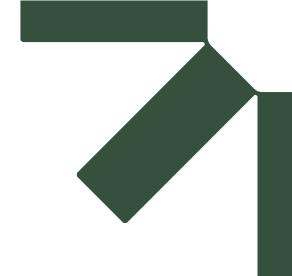
SOLUTION

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

K = 2.585E-7 m/sec

y0 = 1.605 m



Appendix E MECP Water Well Records

Hydrogeological Assessment

Glenelg Phase 3

Dundalk Village Two Inc.

SLR Project No.: 209.30125.00003

May 25, 2023



Table E-1: Summary of MECP Well Records

Well ID	Well Tag	Date Drilled	Well Depth (m)	Bottom Lithology	Water Use	Water Status	Depth Water at Found (m)	Static Level (m)	Pumping Rate (L/s)
1700350		26-Jul-67	31.1	Rock	Water Supply	Livestock	30.5	4.6	1.516
1700351		20-Feb-63	25.6	Gravel	Water Supply	Domestic	25.0	4.3	1.516
1700352		18-Oct-62	27.7	Rock	Water Supply	Domestic	19.8	7.3	0.91
1701035		6-Nov-69	36.9	Limestone	Water Supply	Livestock	35.4	7.3	0.606
1701454		6-Apr-73	64.6	Limestone	Water Supply	Domestic	64.6	12.2	1.592
1703380		5-May-87	24.4	Gravel	Water Supply	Domestic	21.3	1.8	1.516
2500876		28-Jun-53	43	Rock	Water Supply	Domestic		6.1	0.758
2500882		15-Oct-54	45.7	Limestone	Water Supply	Domestic	45.7	7.6	0.303
2500888		7-May-56	48.2	Limestone	Water Supply	Domestic	45.7	4	1.137
2500897		5-May-60	83.2	Limestone	Water Supply	Municipal	31.7	7	3.411
2500900		9-Jun-65	35.7	Gravel	Water Supply	Domestic	35.1	12.2	0.379
2502801		7-Mar-69	43.9	Rock	Water Supply	Livestock	41.1	10.7	1.137
2503215		1-Jul-70	39.6	Rock	Water Supply	Livestock	38.1	5.2	1.137
2503216		26-Jun-70	37.5	Rock	Water Supply	Livestock	35.1	12.8	0.758
2505795		17-Aug-76	40.2	Limestone	Water Supply	Domestic	39.0	18.3	0.606
2506029		15-Apr-77	33.2	Limestone	Water Supply	Domestic	32.6	11.6	1.364
2506475		29-Apr-78	28.3	Limestone	Water Supply	Domestic	28.3	3.7	1.516
2509109		15-Sep-87	55.8	Limestone	Water Supply	Domestic	55.8	16.5	0.455
2512639		30-Aug-94	42.1	Limestone	Water Supply	Domestic	33.2	17.1	0.531
2515004		25-Mar-02	100.6	Limestone	Water Supply	Municipal	47.2		
2515005		22-Apr-02	100.6	Limestone	Water Supply	Municipal	38.1		
2515188		25-Sep-02	73.5	Limestone	Water Supply	Domestic	64.0	28	0.379
2515624		4-Jun-03	43.3	Limestone	Water Supply	Domestic	36.9	8.2	0.91
2516415	A027686	9-Jun-05	6	Silt	Observation Wells	Not Used	1.5		
7041281	A005365	30-Nov-06	4.6	Silt	Test Hole	Not Used			
7049155	A047429	7-Apr-07	4.6	Silt	Observation Wells				
7116620		25-Nov-08	0		Abandoned-Other		1.2		
7155347		2-Sep-10	0		Abandoned-Other				
7155361		20-Sep-10	0		Abandoned-Other				
7166939	A117947	29-Jun-11	4.6		Test Hole	Test Hole			
7167449	A089996	20-Apr-11	32.3	Limestone	Water Supply	Domestic	32.0	2.2	3.411
7237016	A166231	3-Dec-14	6.1	Sand	Observation Wells	Monitoring	1.5		
7285238	A210321	17-Nov-16	7.6	Clay	Observation Wells	Monitoring	4.0		
7285242	A210296	15-Nov-16	7.6	Sand	Observation Wells	Monitoring			
7305297	A213693	7-Mar-17	0		Abandoned-Other	Not Used			
7305319	A213692	7-Mar-17	0		Abandoned-Other	Not Used			
7331881	A264297	5-Apr-19	4.6	Silt	Observation Wells	Monitoring	0.6	0.6	
7331882	A264292	5-Apr-19	6.1	Silt	Observation Wells	Monitoring			
7331883	A264294	5-Apr-19	4.6	Silt	Observation Wells	Monitoring	2.1	2.1	
7331884	A264296	5-Apr-19	6.1	Gravel	Observation Wells	Monitoring	2.1	2.1	
7331885	A264295	5-Apr-19	6.1	Silt	Observation Wells	Monitoring	2.1	2.1	
7331886	A264293	5-Apr-19	6.1	Silt	Observation Wells	Monitoring	1.2	1.2	
7339038	A258125	7-May-19	31.1	Limestone	Water Supply	Domestic	30.2	2.4	1.137
7367321	A295208	29-May-20	0						
7385248	_NO_TAG	17-Mar-21	0		Abandoned-Other				
7385249	_NO_TAG	17-Mar-21	0		Abandoned-Other				
7385250	_NO_TAG	17-Mar-21	0		Abandoned-Other				
7385251	_NO_TAG	17-Mar-21	0		Abandoned-Other				
7389879	A294344	24-Feb-21	0						
7397305	A336963	6-Aug-21	6.1	SILT	Observation Wells	Monitoring			





Well Record - Regulation 903 Ontario Water Resources Act

Notice of Collection of Personal Information

General Colour

Most Common Material

Personal information contained on this form is collected pursuant to sections 35-50 and 75(2) of the *Ontario Water Resources Act* and section 16.3 of the Wells Regulation. This information will be used for the purpose of maintaining a public record of wells in Ontario. This form and the information contained on the form will be stored in the Ministry's well record database and made publicly available. Questions about this collection should be directed to the Water Well Customer Service Representative at the Wells Help Desk, 125 Resources Road, Toronto Ontario M9P 3V6, at 1-888-396-9355 or wellshelpdesk@ontario.ca.

1-888-396-935	55 or <u>wells</u>	<u>shelpdes</u>	k@onta	<u>rio.ca</u> .							
Fields marked v	vith an aste	erisk (*) a	re manda	atory.							
							Well Tag I	Number *			
							A 336963				
Type *											
✓ Construction	n 🔲 /	Abandonr	ment								
Measurement i	recorded i	n: *									
Metric	✓ I	mperial									
1. Well Own	er's Infor	mation									
Last Name and	First Name	e, or Orga	nization	is mandatory. *							
Last Name					First Name						
						A - - - -					
Organization Township of S	outhgate				Email	Address					
Current Addres											
Unit Number Street Number * Street Name *					City/Town/Village						
Country Canada				Province Ontario			Postal Code	Telephone Number			
2. Well Loca	tion			Ontario							
Address of We		<u> </u>									
Unit Number	Street Nur		Street N Main S	lame * treet East			Township				
Lot			Conces	sion		County/Dist GREY	rict/Municipality				
City/Town Dundalk						Province Ontario		Postal Code			
UTM Coordinate	es Zone *	Easting	*	Northing *		<u>'</u>	Municipal Plan ar	nd Sublot Number			
NAD 83	17	54914	2	4891746	Test	UTM in Map					
Other											
3. Overburde	n and Bed	drock M	aterial *								
Well Depth *		20		(ft)							

2193E (2020/01) Page 4 of 8

General Description

Depth From

Depth To

Other Materials

			(ft)	(ft)
Black	Fill		0	5
Brown	Silt		5	12
Brown	Silt	Till	12	20

4 Annulas En	****					
4. Annular Sp						
Depth From	Depth	То	ype of Sealant Used (Mate	rial and Type)	Volume	Placed
(ft)	(ft)				(cubic	feet)
0	1		Concrete		0	.4
1	8		Bentonite		2.	37
8	20		Silica Sand		4.	54
5. Method of	Construc	ction *				
Cable Tool	✓ Rot	ary (Conventional)	Rotary (Reverse)	Boring Air perc	ussion Di	amond
Jetting	Driv	ving Digging	Rotary (Air)	✓ Augering Direct P	ush	
 Other (speci	ify)	_	_	_		
6. Well Use *						
		□ lo de ottoial	O a alian a O Ain O a a di	tion in a		
Public	L	_ Industrial	Cooling & Air Condi	tioning		
Domestic	L	☐ Commercial	Not Used			
Livestock	L	☐ Municipal	✓ Monitoring			
Irrigation	·c \	Test Hole	Dewatering			
Other (speci	ity)					
7. Status of V	Vell *					
Water Supp	ly	Replaceme	ent Well	Test Hole		
Recharge W	/ell	Dewatering	g Well	Observation and/or Moni	toring Hole	
Alteration (C	Constructio	on) 🔲 Abandone	d, Insufficient Supply	Abandoned, Poor Water	Quality	
Abandoned,	other (spe	ecify)				
Other (speci	ify)					
8. Construction	on Recoi	rd - Casing * (us	e negative number(s) to ind	icate depth above ground	d surface)	
Inside Diamete		•	ial (Galvanized, Fibreglass, e, Plastic, Steel)	Wall Thickness	Depth From	Depth To
(in)		001101010	,	THOMICOS	(ft)	(ft)
2			 Plastic	0.154	-3	10
				3.101		

2193E (2020/01) Page 5 of 8

Steel

-3

0.125

1

4

9. Constructi	on Rec	ord - S	creen													
Outside Diamete (in)			(Plas	Mat stic, Galv	erial anized,	Stee	el)			Slot Numb		Depth	n Fron ft)	n	-	th To ft)
2.375				Pla	stic					0.01		1	10		2	20
												•				
10. Water Det	tails															
Water found at	Depth		(ft)	Gas	Kind of	wa	ter [Fres	sh 🗸	Untest	ed 🔲 C	ther				
11. Hole Dian	neter															
De	epth Froi	m			Dep	th T	0					Diamete	er			
	(ft)				(ft)						(in)				
0					2	20						8.5				
1																
12. Results of Well Yield Testing																
☐ Pumping Discontinued																
Explain																
If flowing give ra	ate															
Flowing _					((GP	M)									
Draw down	Т		1									1			г	т
Time (min)	Static Level	1 1	2	3	4		5	10	15	20	25	30	40	0	50	60
Water Level (ft)																
Recovery	•	•						•	•		,					
Time (mir	۱)	1	2	3	4		5	10	15	20	25	30	40	,	50	60
Water Lev (ft)	rel															
After test of wel	l yield, w			•	!		•				'	•	•			
Clear and sa			her (spe													
Pump intake se		nping ra		Duratio	n of pun	-	g		Final water level end of pumping Disinfected? *							
	(ft)		(GPM)		hrs ·		1	min				(ft)		`	Yes 🗸	∕ No
Recommended	pump de	•	Recom	nmended pump rate Well produc												
40 11 511		(ft)			(GF	'IVI)				(GPM)					
13. Map of W	ell Loca	ation *														

2193E (2020/01) Page 6 of 8

Map 1. Please Click the map area below to import an image file to use as the map.

✓ Make map area bigger



14. Information		
Well owner's information package delivered ☐ Yes ✓ No	Date Package Delivered (yyyy/mm/dd)	Date Work Completed (yyyy/mm/dd) * 2021/08/06

Comments

15. Well Cor	ntractor and We	ell Technician	Information						
Business Name of Well Contractor * London Soil Test Ltd.				Well Contractor's License Number * 7190			se Number *		
Business Ad	dress				1				
Unit Number	Street Number 712078	Street Nam Southgate	··· ·						
City/Town/Villa Dundalk	age *			Prov	vince		Postal Code * NOC 1B0		
Business Tele 519-455-577	phone Number 7	Business Emai info@londons		'					
Last Name of Well Technician * McIntosh		First Name of Well Technician * Tyler		•	Well Technician's License No 4037				

16. Declaration *

2193E (2020/01) Page 7 of 8

[✓] I hereby confirm that I am the person who constructed the well and I hereby confirm that the information on the form is correct and accurate.

Last Name McIntosh

First Name Tyler

Signature

Tyler McIntosh

Digitally signed by Tyler McIntosh

Disc. car-Tyler McIntosh

Disc. car-Tyler McIntosh

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17. Ministry Use Only

Audit Number

5VRV O5JH

2193E (2020/01) Page 8 of 8

5B / S 7 5			ĺ	WATER RESO	PROFES 1/2
UTM COR FILE				17 NO	250
5-1-6-224	Tile			ADG 8 10	367
– 1 – 1		Commission	1		
Elev. 5 R 1730 WATER WEL	_L	REC(ORD	ONTARIO WAT RESOURCES CONTA	Same
Posifict Duffering T	owns!	hip, Village, T	own or City	MELAN	CTAON
Con. / N.E. Lot P.T. 224 D	Date c	ompleted	26	JULY	1967
			(day	K ONT	year)
	res 	s. 170			
Casing and Screen Record				ng Test	
Inside diameter of casing 4"		itic level		A .	
Total length of casing 97		st-pumping ra		20	
Type of screen					
Length of screen				3 HR	
Depth to top of screen Diameter of finished hole				f test CL	
Diameter of finished hole				15	
	wi	th pump settin	$_{ m g\ of}$ 2	feet belo	w ground surface
Well Log				Water	Record
Overburden and Bedrock Record		From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
TOP SOIL		0	3	100	A so H
SAND & BOULDERS		3 25	25 90	102	* REST
SAND & GRAVEL GREY REKSAND		90	98	102	
BROWN ROCK		98	102		
	 	_			
For what purpose(s) is the water to be used?		T 1'		of Well	Il from
BTOCK & DOMESTIC		road and	m below snov lot line. In	w distances of we adicate north by	arrow.
Is well on upland, in valley, or on hillside? UPLAND	l	<u> </u>			,
Drilling or Boring Firm DURHAM DRILLING				/\ /	
* ENTERPRISES LTD				, 4	
Address DORHAM ONT.		\	9/2	Y.	
/ >		400)	
Licence Number 1791		A.		-	
Name of Driller or Borer ED HOTCHISS		3			
Address DORHAM ONT.) \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	M.		
Date 5064 127-67		1/900			
(Signature of Licensed Drilling or Boring Contractor)		lale #			
Form 7 15M-60-4138	J.W	- V		co. Rd.	15
OWRC COPY		\		CC	s.s8
O W KC COLL		I		Cs	.

KLTIN

Elev. 5 R 173 WATER WEL Basin County or District Lufferin Toon. 10. 16. 16. Lot 225 227 D	ownship, Village, T	ORD	GROUND W. 174Y N ONTARIO RESOURCES Tielanc Tielanc Month	9 (3)3 351
C : LC Provide	ress	Pumping	Toet	
Casing and Screen Record	Static level			
Total length of casing.	Test-pumping ra	te 2.0	3	G.P.M.
Type of screen	Pumping level		0	
Length of screen	Duration of test p	oumping	2 - hrs	7
Depth to top of screen Diameter of finished hole	Water clear or cle			
Diameter of finished hole				G.P.M.
	with pump settin	g of 23	feet belo	w ground surface
Well Log				r Record
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Stones & Boulders	0.	20'		
Stravel & Stones	20'	42.	021	
Hardpan & Bouldera	42!	64.	04'	Firesh
Sand & Gravel	64.	72'	0 /	
Gravel	72'	84'		
For what purpose(s) is the water to be used?		Location	of Well	<u> </u>
Is well on upland, in valley, or on hillside? Upland. Drilling or Boring Firm Dusham Drilling Entrysises Ital. Address Box 299 Licence Number 1000 Name of Driller or Borer Percy Johnston & Address Fred Sockhales. Date April 2nd 1963. (Signature of Licensed Philling or Boring Contractor)			distances of we licate north by	
OWRC COPY				CSS.S8

		GROUND WATER BRANCH
UTM Z L L L L E		17 No. 352
Syo 15 N The Ontario Water Resou	was Commission Act	7AN 14 10.3
Elev. 5 R 1725 WATER WEL		ONTARIO WATER RESOURCES COUNTS FON
WAILN WEL		Control of the second s
Basin County of District Doll- TOP (N)	ownship, Village, Town or Cit	y MGLANCIAON
Con. # 10. HIGHWAY Lot 226 De	ate completed 18 14 (day	month year)
	ress DUNDALI	Y ONTARIO
Casing and Screen Record		ping Test
Inside diameter of casing 4"	Static level 24	
Total length of casing 79'	Test-pumping rate	/2 G.P.M.
Type of screen	Pumping level 70	F1.
Length of screen	Duration of test pumping	3 HRS
Depth to top of screen	Water clear or cloudy at end	of test CLEAR
Diameter of finished hole 4"		nte /O G.P.M.
	with pump setting of	feet below ground surface
Well Log		Water Record
Overburden and Bedrock Record	From To ft.	Depth(s) at which water(s) found Kind of water (fresh, salty, sulphur)
TOP SOIL	0. 4	65 CLEAR
SANDY CLAY	25' 30	' 85 FRESH
SANDY CLAY	50' 60	•
CREY ROCK		
STONEY CLAY	60' 65'	
HARD GREY ROCK	79' 91'	
For what purpose(s) is the water to be used?	Locati	on of Well
DOMESTIC		now distances of well from Indicate north by arrow.
Is well on upland, in valley, or on hillside?	road and lot line.	findicate north by arrow.
Drilling or Boring Firm	<u>a</u>	
DURHAM DRILLERS	र के व	
Address DURHAM ONTARIO	8	# 10 HIGHWAY Y
30x 299.		5
Licence Number 620		CONDACT
Name of Driller or Borer E. HoleHIP, SS	100 SOO	34
Address DURHAM ONTARIO	B	No.
Date 54N 4TH 1963		
(Signature of Licensed Drilling or Boring Contractor)		
•		20
Form 7 10M-62-1152	_	CSS.S8
OWRC COPY	3	0

	SRE CONI NALOTZZY	The Ontario					-	
	y WA		WE	the state of the s		ORD		
Water management if Onto	1. PRINT ONLY IN SPACE 2. CHECK X CORRECT E	ES PROVIDED BOX WHERE APPLICABLE TOWNSHIP, BOROUGH, C	11	1701		117004 10 14	SR E	22 23 24
OWNER (SIIRNAME FIRST	-DUFFERIN			ANCTHO	_	LOCK, TRACT, SURVEY, S. P.(Ε,	224
		·	Duno	ALK	, 	[DAYOL MO.	/8-53 69 OU YR 190
		92	2730	ELEVATION 1 7 3 0 26		ASIN CODE		<u>iv</u>
	LOG	OF OVERBURDE	N AND BED	ROCK MATERIA	ALS (SEE INS	STRUCTIONS)		
	OMMON MATERIAL	OTHER MA				DESCRIPTION	FROM	H - FEET TO
GREY	BROKEN	S, GK	AUEL Stone	LAYER:	క		105	105
. /	A TO THE		STORE		, so		705	/2/
					:			
					وُ رِيْ			
	. D.							
								
31 a105 0	5/1/11 10/12/12	15+111111						
32 10 14 15 41 WATER R	RECORD 5	1 CASING & C	2050 4404	F PECOPD	54 SIZE(S) O	F OPENING 31-3:	65 3 DIAMETER 34-36	75 80 LENGTH 39-40
WATER FOUND	OF WATER	ISTOE	WALL THICKNESS	DEPTH - FEET	U (SLOT NO.		INCHES	FEET 41-44 80
1 FRESH 2 SALTY	3 SULPHUR 4 MINERAL	10-11 1 STEEL 2 GALVANIZED	INCHES F	13-16	SCI		OF SCREEN	FEET
15-18 1 FRESH 2 SALTY		3 ☐ CONCRETE 4 ☐ OPEN HOLE 17-18 1 ☐ STEEL	205 t	0/2/	61 PLU		SEALING R	
20-23 1 FRESH 2 SALTY	4 MINERAL	2 GALVANIZED 3 CONCRETE	SLONE	O CHOI		TO MATER		MENT GROUT, PACKER, ETC.)
1 GRESH 2 SALTY	4 MINERAL	4 OPEN HOLE 24-25 STEEL 2 GALVANIZED	SAOM 1	14 1	18-21	22-25		
1 FRESH 2 SALTY	4 MINERAL	3 CONCRETE 4 OPEN HOLE		, , ,	26-29	30-33 80		
71 PUMPING TEST METHOD PUMP 2 B	AILER DOOS	GPM. ODURATION OF F	PUMPING -16 00 17-18 URS 00 MINS.			ATION OF		
STATIC ENI	PING	FLS DURING	PUMPING RECOVERY	IN D LOT	IAGRAM BELOW LINE. INDICATE	SHOW DISTANCES OF WINDERTH BY ARROW.	VELL FROM ROAD AND	
5034 FEET 02	4 03 Deet 0.		2-34 35-37 EET 35-37				1	
Z GIVE RATE	38-41 PUMP INTAKE SET AT	WATER AT END					/'	
RECOMMENDED PUMP TYPE SHALLOW DD D	RECOMMENDED PUMP SETTING	43-45 RECOMMENDED PUMPING RATE	46-49 GPM.			. 40 6° -0		
	GPM./FT. SPECIFIC CA	PACITY						
FINAL 10 2 3	WATER SUPPLY OBSERVATION WELL TEST HOLE	5 ☐ ABANDONED, INSU 6 ☐ ABANDONED, POOR 7 ☐ UNFINISHED				بهمبهاند کالی کا	M.	
55-56	RECHARGE WELL DOMESTIC 5	COMMERCIAL						
WAIER	☐ IRRIGATION 7	☐ MUNICIPAL☐ PUBLIC SUPPLY☐ COOLING OR AIR CONT	DITIONING	Co. R	d 10		co, Rd	_
57	□ QTHER ↓	9 🗆 NOT	I			Z Z		
METHOD 2	☐ CABLE TOOL ☐ ROTARY (CONVENTIONAL ☐ ROTARY (REVERSE)	6 ☐ BORING) 7 ☐ DIAMOND 8 ☐ JETTING	į			it	AN TOTAL	
DRILLING 4	☐ ROTARY (AIR) ☐ AIR PERCUSSION	9 DRIVING		DRILLERS REMARK	S:	10		
NAME OF VELL CONTRACT		~~/N6	3493	DATA SOURCE /	58 CONTRA	33/6	RECEWE 9116	63-68 80
► ADDRESS	bburg !	R R. #1	,	w		INSPECTOR	-	,
NAME OF DRILLER OR BO			CENCE NUMBER	S REMARKS:			- C C C C C	
SIGNATURE OF CONTRACT	Rang	SUBMISSION DATE	JOD VR.L CO	OFFICE			CSS.S8	1:71
OWRC COL	PY							·**



MINISTRY OF THE ENVIRONMENT

The Ontario Water Resources Act

WATER WELL RECORD

FIATIW

		ACES PROVIDED T BOX WHERE APPLICABLE	17014	54 MUNICIP.	SR	, E	
	COUNTY OR DISTRICT DUFFERIN	Melancthon	3	9 CON. BLOCK, TRACT, SURVE	Y, ETC.		22 23 24 LOT 25-27 22 8 18-53
		undulk	ont.	13/(2	DATE COMPLET	TED 04	18-53 VB -7.3
		92200	c. ELEVATION	RC. BASIN CODE	11	111	IV
		G OF OVERBURDEN AND BEDRO	OCK MATERIAL	30 31			47
	GENERAL COLOUR MOST COMMON MATERIAL	OTHER MATERIALS		GENERAL DESCRIPTION		DEPTH FROM	- FEET TO
	Clay Stones. Harclpan Pock Limes	Gravel				0 -	25
	Hardpan 2. + 1'					25	
	MOCK LIMES	TONE			/	00-	212
İ							
(31) 10025 105/21/1 10/00	14 102/12 15					
	32	32	43				
(]	WATER SOUND	CASING & OPEN HOLE !	RECORD	SIZE(S) OF OPENING 3	1-33 DIAMETER	34-38 LE	75 80 NGTH 39-40
	AT - FEET KIND OF WATER 10-13 FRESH 3 SULPHUR 14	DIAM. MATERIAL THICKNESS FR	DEPTH - FEET ROM TO	(SLOT NO.) MATERIAL AND TYPE	DEP OF	TH TO TOP SCREEN	FEET 41-44 80
4	2 SALTY 4 MINERAL 15-18 1 FRESH 3 SULPHUR 19	2 ☐ GALVANIZED 3 ☐ CONCRETE	0100			-	FEET
-	2 SALTY 4 MINERAL 20-23 1 FRESH 3 SULPHUR 24	17-18 I STEEL 19	20-23	PLUGGING DEPTH SET AT - FEET MA	& SEALING	CEMEN	T GROUT.
ŀ	2 SALTY 4 MINERAL 25-28 1 FRESH 3 SULPHUR 29	2 GALVANIZED 3 CONCRETE 4 OPEN HOLE	02/2	FROM TO 10-13 14-17		LEAD PAC	(ER, ETC.)
-	2 SALTY 4 MINERAL 30-33 1 FRESH 3 SULPHUR 34 80	24-25 1 STEEL 26 2 GALVANIZED	27-30	18-21 22-25			
إ	2 SALTY 4 MINERAL	3 ☐ CONCRETE 4 ☐ OPEN HOLE		26-29 30-33 80			
	71 PUMPING TEST METHOD 10 PUMPING RATE	11-14 DJRATION OF PUMPING 15-16 GPM. HOURS OO MINS		LOCATION OF	WELL		
7	STATIC WATER LEVEL 25 END OF PUMPING WATER LEVEL	DUMPING	IN DIAGR LOT LINE	AM BELOW SHOW DISTANCES . INDICATE NORTH BY ARR	OF WELL FROM	M ROAD AN	О
	₩ 040 110 D&n ²⁶⁻²⁸	30 MINUTES 45 MINUTES 60 MINUTES 32-34 35-37					
۱	FEET FEET FEET FEET FEET FEET FEET FEET			<i>.</i> 1			
	GPM GPM RECOMMENDED PUMP TYPE RECOMMENDED PUMP 10 P	FEET 1 ☐ CLEAR 2 CLOUDY 43-45 RECOMMENDED 46-49					
ı	SHALLOW DEEP SETTING 190	FEET MITTER OF GPM.					
Ī	FINAL 54 WATER SUPPLY	5 ABANDONED, INSUFFICIENT SUPPLY	, r				
	STATUS OF WELL 2 OBSERVATION WELL 3 TEST HOLE 4 RECHARGE WELL	6 ABANDONED, POOR QUALITY 7 UNFINISHED		323 X	1 1.		
ŀ	55-56 DOMESTIC 5	COMMERCIAL MUNICIPAL		Hay. 10.			
	WATER 3 IRRIGATION 7	PUBLIC SUPPLY COOLING OR AIR CONDITIONING		,373			
\mid	□ OTHER	9 NOT USED	Dung	lulky		-	
	METHOD OF 1 CABLE TOOL 2 PROTARY (CONVENTIONA 3 PROTARY (REVERSE)	6 ☐ BORING 1 ☐ DIAMOND 2 ☐ JETTING					
	DRILLING 4 ROTARY (AIR) 5 AIR PERCUSSION	9 C DRIVING	DRILLERS REMARKS:	11			
Γ	NAME OF WELL CONTRACTOR	LICENCE NUMBER	DATA	1 :	TE RECEUDO (673	63-68 BO
	SIGNATURE OF CONTRACTOR	3813	DATE OF INSPECTIO	38/3 N INSPECTOR	144, 0	· · · · · · · · · · · · · · · · · · ·	
	NAME OF DRILLER OR BORER	LICENCE NUMBER	REMARKS:	1		\	<u> </u>
	SIGNATURE OF CONTRACTOR	SUBMISSION DATE	OFFICE		CSS.S8	Р	
	9. Weumoum	DAY 6. MO. 4. YR. 73	90			WI	
N	MINISTRY OF THE ENVIRONMENT	(CODY				FORM 7	07-091

The Ontario Water Resources Act WATER WELL RECORD

Jillano	1. PRINT ONLY IN S 2. CHECK ⊠ CORRE	PACES PROVIDED CT BOX WHERE APPLICABLE	<u> </u>	/ 0330		10 14	15	22 23 24 LOT 25-27
COUNTY OR DISTRICT	-0111	TOWNSHIP, BOROUGH, CITY, TOWN,	ON		CON. BLO	ETSR	PT	222
		BOX 6	67 DL	NDAL	KN	00/80 DAY	E COMPLETED MO 5	87
21	M 10 12	¥6	RC	ELEVATION 26	RC RAS	SIN CODE		47
1 2		G OF OVERBURDEN AND	BEDROCK		S (SEE INSTI	RUCTIONS	перти	FEET
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS			GENERAL [DESCRIPTION	FROM	10
BLACK	TOP SOIX							
BROWN	HARDPA	N& GRAVEL	•				/	58
BROWN	SANDY	GRAVEL					58	80
31	1 1 . 1 . 1 . 1	<u> </u>			11111			
32					54	نىلىلىلىن	65	75 60
4 WAT	TER RECORD	51 CASING & OPEN	LL DEPT	CORD	Z (SLOT NO		INCHES	LENGTH 39-40
AT - FEET	FRESH 3 SULPHUR 14	DIAM MATERIAL THICKS INCH	NESS	TO 13-16	MATERIA S	L AND TYPE	DEPTH TO TOP OF SCREEN	41-44 30 FEET
15-18 1 0	SALTY 4 [] MINERAL FRESH 3 [] SULPHUR 19	5 GALVANIZED CONCRETE OPEN HOLE	28 0	80	61		SEALING REC	ORD
Q 20-23 1 6	FRESH 3 SULPHUR 24	17-18 : STEEL 19 2 GALVANIZED		20-23	FROM		RIAL AND TYPE (CEM	RENT GROUT
25-28 1	SALTY 4 MINERAL FRESH 3 SULPHUR 29 SALTY 4 MINERAL	3 CONCRETE 4 OPEN HOLE 24-25 1 STEEL 26		27.30	18-21	22-25		
30-33 1	FRESH 3 [] SULPHUR 34 SO SALTY 4 [] MINERAL	2 GALVANIZED 3 GONCRETE 4 GOPEN HOLE			26-29	30-33 80		
PUMPING TEST MET	THOD 70 PUMPING RAT	E DURATION OF PUMPING	17-18		LO	CATION OF	WELL	a.
STATIC	BAILER WATER LEVEL 25 END OF WATER	GPM 15-16 HOURS 1 LEVELS DURING 1 PUMPI RECOV	NG MINS	IN DIA LOT LI		SHOW DISTANCES OF ATE NORTH BY ARROW		AND
TEST (J. 5.51	PUMPING	30 MINUTES 45 MINUTES 60	O MINUTES 35-37		#			N
S IF FLOWING. GIVE RATE	FEET FEET FE	00	11		10		OWELL	1
IF FLOWING. GIVE RATE RECOMMENDED PU		FEET 1 CLEAR 2 C	CLOUDY 46 49		Н	_		-
SHALLOW	DEEP SETTING	60 FEET RATE	GPM		W			
FINAL	WATER SUPPLY U OBSERVATION WE	5 ABANDONED, INSUFFICIEN			4	<u> </u>		İ
STATUS OF WELL	3 TEST HOLE 4 RECHARGE WELL	7 UNFINISHED						
WATER USE	5-54 : DOMESTIC : STOCK : IRRIGATION : INDUSTRIAL UTHER	5 COMMERCIAL 5 MUNICIPAL 7 PUBLIC SUPPLY 8 COOLING OR AIR CONDITIONIN						
OD	CABLE TOOL ROTARY (CONVEI	SE) # DETTING 9 DRIVING			¥Ç.		0	6023
	TRACTOR	UNG ENT /8	NUMBER	GATA SU JRCE		PRACTOR 59-62 DATE	2605	87
	IRHA	M NOGIR	λ ΙΙ	ON THE ON THIS PE	CTFOR	INSPECTOR		
	PAN	141 T-0	NUMBER	D REMAPAS		1		
·** * • • • • • • • • • • • • • • • • •	The Y	SUBMISSION DATE DAY 6 MO 5	87	OFFICE			CSS.	ES
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OF THE ENVIRONMENT COPY

UTM 1/17 2 514181/1215 E 19 R 4181910161510 N Elev. 19 R 1/171013

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JUL 3 0 1953

GEOLOGICAL BRANCH DEPARTMENT OF MINES X

The Well Drillers Act

Department of Mines, Province of Ontario

Water	Well	Record
vv acci	44 C11	1/6/01/0

County or Territorial District	V	illage o	of an or) /	
ConLotStreet and Number (if in V	illage Town	Hage, Lowe	ror City!	'.W.17.d.	. 7.1 M
Owner	Address	11/2	- d - 11	7.7	, , , , , , , , , , , ,
Date Completed	Well (exclude	ding pump).	······································		•••••••
Pipe and Casing Record			Pumping Test		
Casing diameter(s). # outside	Date			 	
	Static level		20!	• • • • • • • • • • • • • • • • • • • •	* * * * * * * * * * * * *
Type of screen.	Pumping les	vel	2.0.	4	
Length of screen	Pumping rat	te 60	o gal		······································
D' 1		test		Lev. Japan	2221.18
T			or bowls to ground	level	• • • • • • • • • • • • • • • • • • • •
	ter Record				
Kind (fresh or mineral)			D 11()		1
Quality (hard, soft, contains iron, sulphur, etc.)	um h	ard	Depth(s) to Water	Kind of Water	No. of Feet Water Rise
Appearance (clear, cloudy, coloured).		·····	. Horizon(s)		
For what purpose(s) is the water to be used?		:٠٠٠٠٠٠ م	•	· · · · · · · · · · · · · · · · · · ·	_
			•		
How far is well from possible source of contamination?					
What is the source of contamination?		• • • • • • • • • • •			
Enclose a copy of any mineral analysis that has been made					
Well Log			·		
Overburden and Bedrock Record	From	To	Locat	tion of Well	
clay & builder	0 ft.	1.1.9.ft.			
1 ach	1/1	<u> </u>	In diagram be well from roa		
		141	dicate north 1	by arrow,	7
				X	Á
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				100	7.30
				, v	17
		5	aw mill	Mair	1 130
			an mill	, top	0 7
				Dhus	ndalk,
Situation: Is well on upland, in valley, or on hillside?	· · · · · · · · · · · · · · · · · · ·	• • • • • • • • • • • • • • • • • • • •			
Drilling Firm	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • •			
Address	• • • • • • • • • •		· · · · · <u>·</u> · · · · · · //· · · · · ·		
Name of Driller	• • • • • • • • • • • • • • • • • • • •	. Address . /.	9 Meland.	Ed. T.	azento
Name of Driller Date. 28,53		Licence Nu	mber	,	•••••
FORM 5		.77	1: A.T. Jell	ntre.	•••••
- 			Signature of L	rcensée	

UTM 17 2 5 4 8 2 2 5 E

9 R 4 9 9 10 17 18 10 N

Elev. 9 R 17 10 17

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Basin 23



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The Water-well Drillers Act, 1950GICAL BRANCH
Department of Mines PARTMENT OF MINES

Water-Well Record

(day) Pipe and Casing	(month) g Record	(year)		Pumping Test	
Casing diameter(s)	D.		Pumping rate	50 Gal 12 00 50 Jal 12 00	
Well Log				Water Record	
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, or sulphur)
Clare Stonis	i DD	15			
		4 ~			
		·			
For what purpose(s) is the water	to be used?			cation of Well show distances of	well from
For what purpose(s) is the water Legisland Is water clear or cloudy?	<i>5</i> 7.		_	. Indicate north	

I certify that the foregoing statements of fact are true.

Signature of Licensee

The man shall shal

Licence Number......

UTM 1/17 51417191910 E

19 R 4181910151215 N

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4/1//A

The Water-well Drillers Act, 1954

Department of Mines

25 No GROUND WATER BRANCH

APR 1 7 1957

ONTARIO WATER
RESOURCES COMMISSION



KR

Water-Well Record

	COEY	m 1.	ip, Village, Town	Dunda	ΛK
			Village, Town or Ci	ty)	
			ddress		
Date completed	MAY	14.5.0	1		
(day)	(month)	(year)			
Pipe and Casing	g Record			Pumping Test	
Casing diameter(s)	5/8		Static level	13	
Length(s)	<u></u>		Pumping rate	5 G.P.M.	
Type of screen			Pumping level		
Length of screen		1	Duration of test		
Well Log				Water Record	
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, or sulphur)
Clay houlders	0	102			
Clay, boulders		1604		/ 2	Fresh
Limestone	102	158	150	/37	1-1-636
				-	
		<u></u>			£.
For what purpose(s) is the water \widehat{D}_{om} estic				cation of Well	
Is water clear or cloudy?	clear		Ū	show distances of e. Indicate north	
Is well on upland, in valley, or or	n hillside?ປຸ <i>ດ</i> /	and			Ny dire
			30.	from R.R. from "Gore" st	1
Drilling firm	Bellerby		Gore"s,		
Address			The state of the s		. /
		l l		*	/γ
Name of Driller		i i	// //	1 4	
Address				1 1	_
Licence Number 98				Ž	1
I certify that the				Ž	
statements of fact				¥	
Date Apr. 17/17	Signature of Licens	ee		3	

Form 5

US5.53

897

UTM 1/17 2 5481/40 E 9 R 4181910171010 N

No 25

GROUND WATER BRANCH

JUN 1 6 1960

ONTARIO WATER RESOURCES COMMISSION

Elev. 9 R /171014

Basin 23 | | |

The Ontario Water Resources Commission Act, 1957

WELL RECOR

WATER

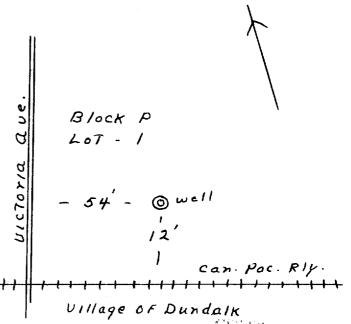
County or District Grey	Township, Villag	ge Town or	City Village	of Dunda	IK
Con. Block P Lot	Date completed	- I5	Max	1960	
Owner UIIIage of Dundalk (print in block letters)	Address D	(day unda/	month M.OnT.	year)	
(print in block letters)					

Casing and Screen Record Village	vell # 2 Pumping Test
Inside diameter of casing 10" Total length of casing 99'-10"	Static level 2 3 Test-pumping rate #5 G.P.M.
Type of screen	Pumping level 153 Duration of test pumping 26 178
Depth to top of screen Diameter of finished hole /0"	Water clear or cloudy at end of test c/ear Recommended pumping rate 45 G.P.M. with pumping level of /75

Well Log	Water Record				
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, sulphur)
Fill /	0	2			
Sond & gravet		12			
Lardpan, Stoney		54			
Sand & Clar	54	62			
Sand & gravel	62	98		_	
Limestone, light brown, hard	98	102		-	_
11 Buff, hard	102	152	104	81'	Fresh
11 , brown, hard	152	195	195	172'	Fresh
white, hard	195	208			
11 Light brown, hard	208	218			
11 Buff, hard	218	228	228	205'	Fresh
" Brown, Lard	228	248	248	225'	Fresh
" dark Brown, ned hard	248	273			

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



CSS.S3

WATER RESOURCES DIVISION UTM 1/17 2 51417191715 E 9 R 48901850 The Ontario Water Resources Commission Act Elev. 9 R / 7 0 4 Township, Village, Town Date completed **Pumping Test** Casing and Screen Record 40 Static level..... Inside diameter of casing G.P.M. Test-pumping rate Total length of casing Pumping level Type of screen Duration of test pumping..... Length of screen Water clear or cloudy at end of test Clear Depth to top of screen Recommended pumping rate Diameter of finished hole feet below ground surface with pump setting of ... Water Record Well Log Kind of water Depth(s) at To ft. (fresh, salty, sulphur) From ft. ${
m which\,water}({
m s})$ Overburden and Bedrock Record found Hard Pan & Bouldes Gravel Location of Well For what purpose(s) is the water to be used?..... In diagram below show distances of well from road and lot line. Indicate forth by arrow. Is well on upland, in valley, or on hillside? Z Drilling or Boring Firm Address Date. f Licensed Drilling or Boring Contractor) Form 7 15M-60-4138 CC5.58 OWRC COPY



Map: Well records

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

Full dataset is available in the Open Data catalogue (https://data.ontario.ca/dataset/well-records).

Go Back to Map

Well ID

Well ID Number: 2502801

Well Audit Number: Well Tag Number:

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

Well Location

|--|

Township	DUNDALK VILLAGE
Lot	
Concession	
County/District/Municipality	GREY
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 17 Easting: 548014.30 Northing: 4891073.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
	LOAM			0 ft	3 ft
	CLAY	MSND		3 ft	20 ft
	GRVL	BLDR		20 ft	30 ft
	CLAY	GRVL		30 ft	40 ft
	GRVL	BLDR		40 ft	50 ft
	CLAY	GRVL		50 ft	127 ft
	ROCK			127 ft	144 ft

Annular Space/Abandonment Sealing Record

Depth	Depth	Type of Sealant Used	Volume
From	To	(Material and Type)	Placed

Method of Construction & Well Use

Method of Construction	Well Use
Cable Tool	Domestic
	Livestock

Status of Well

Water Supply

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4 inch	STEEL		127 ft
4 inch	OPEN HOLE		144 ft

Construction Record - Screen

Outside Diamete	Material	Depth From	Depth To

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 1804

Results of Well Yield Testing

After test of well yield, water was	CLOUDY
If pumping discontinued, give reason	
Pump intake set at	
Pumping Rate	15 GPM

Duration of Pumping	2 h:0 m
Final water level	60 ft
If flowing give rate	
Recommended pump depth	85 ft
Recommended pump rate	12 GPM
Well Production	PUMP
Disinfected?	

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL	35 ft		
1		1	

2	2
3	3
4	4
5	5
10	10
15	15
20	20
25	25
30	30
40	40
45	45
50	50

60	60	

Water Details

Water Found at Depth	Kind
135 ft	Fresh

Hole Diameter

Depth From	Depth To	Diameter

Audit Number:

Date Well Completed: March 07, 1969

Date Well Record Received by MOE: April 08, 1969

Related

How to use a Ministry of the Environment map (https://www.ontario.ca/page/how-use-ministry-environment-map#wells)

Technical documentation: Metadata record (https://data.ontario.ca/dataset/well-records/resource/3031344e-e3f2-48d5-888c-c1deadfd2f77)

Updated: October 18, 2021 Published: March 20, 2014

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The Ontario Water Resources Commission Act

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WATER WELL RECORD

		T BOX WHERE APPLICABLE	503215 - $250/2$ $5R$	W 0 01
COUNTY OR DISTRICT	PEY	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE 3	SUTS DATE COMPI	57 224.22
		UNDALK	ELEVATION RC. BASIN CODE II	мо
	17	92900	26 30 31	47
	MOST	G OF OVERBURDEN AND BEDRO		DEPTH - FEET
GENERAL COLOUR	COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	FROM TO
13LACK	TOPSOIL	BouldERS	Louse	2 2
GREY	CLAY	STONES	PACKED	30 60
1,	SAND	CLAN	//	60 100
BROWN	CLAY	BOULDERS	11	100 120
11	POLK			120 130
32 12 10 41 WATI WATER FOUND AT - FEET 0/2 5 1 20-23 1 20-23 1 21 25-28 1 20-33 1	FRESH 3 SULPHUR SALTY 4 MINERAL FRESH 3 SULPHUR SALTY 4 MINERAL FRESH 3 SULPHUR SALTY 4 MINERAL FRESH 3 SULPHUR SALTY 4 MINERAL FRESH 3 SULPHUR SALTY 4 MINERAL FRESH 3 SULPHUR SALTY 4 MINERAL FRESH 3 SULPHUR SALTY 4 MINERAL FRESH 3 DUPHUR SALTY 4 MINERAL FRESH 3 SULPHUR SALTY SAL	STEEL 19 26 26 26 27-18 29 29 20 20 20 20 20 20	RECORD DEPTH - FEET OM TO D D/2 13016 MATERIAL AND TYPE MATERIAL AND TYPE	INCHES DEPTH TO TOP OF SCREEN FEET ING RECORD (CEMENT GROUT, LEAD PACKER, ETC.)
FINAL STATUS OF WELL S	54 1 WATER SUPPLY 2 OBSERVATION WELL 3 TEST HOLE 4 RECHARGE WELL 5-56 1 DOMESTIC 2 DESTOCK	7 UNFINISHED 5 COMMERCIAL 6 MUNICIPAL	165.4 165.4	
	3 IRRIGATION 4 INDUSTRIAL OTHER 57 CABLE TOOL 2 ROTARY (CONVENTIL 3 ROTARY (REVERSE) 4 ROTARY (AIR)		WELL	
ADDRESS ADDRESS ADDRESS ANAME OF DRILLE	DURHAM DALL CHAM UNT CROR BORER HOTCHYIS	BOX 249 LICENCE NUMBER	DATA SOURCE / SB CONTRACTOR 59-62 DATE RECEIVED / 804 060	770 63-68 80
	ONTRACTOR	SUBMISSION DATE DAY MO JULY YR 70	OFFICE	1



The Ontario Water Resources Commission Act

A CONTRACTOR OF THE CONTRACTOR

WATER WELL RECORD

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Water management in Ontario 1. PRINT ONLY IN SI	PACES PROVIDED 11	2503216 i MUNICIP.	n.
2. CHECK CORRE	PACES PROVIDED CT BOX WHERE APPLICABLE TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	2503216 - 25702 10 14 17 18 18 18 18 18 18 18 18 18 18 18 18 18	5 22 23 24 LOT 25-27
GRE 4	Prote	DUNDALK DATE	COMPLETED 06-53
	DUNDA	L K ONT DAY_	26 MO THATER 70
	81200	1720 5 23	47
MOST	OG OF OVERBURDEN AND BEDR		DEPTH - FEET
BLACK TOPS	OTHER MATERIALS	GENERAL DESCRIPTION	FROM TO
DETTON	0 / 2		
BROWN HAR	O PAN 8 ST	ONES,	2 /03
Rolling	D V		1 2 17 3
BROWN HARD	BOCK		103/23
			*
	3614/12 1 0/123626 1		
32 10 14 15 21	32	43 54 54 54 51 51 51 51 51 51 51 51 51 51 51 51 51	15 75 80 DIAMETER 34-38 LENGTH 39-40
WATER RECORD WATER FOUND AT - FEET KIND OF WATER	DIAM MATERIAL THICKNESS	DEPTH - FEET	INCHES
10-13 1 FRESH 3 SULPHUR 14 2 SALTY 4 MINERAL	INCHES INCHES FI	O/0316	OF SCREEN
15:18	3 □ CONCRETE 4 □ OPEN HOLE	61 PLUGGING & SI	
20-23 1 FRESH 3 SULPHUR 2 SALTY 4 MINERAL	17-18 1 STEEL 19 2 GALVANIZED 3 CONCRETE	20-23 DEPTH SET AT – FEET MATERIAL FROM TO 10-13 14-17	AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
25-28 1 FRESH 3 SULPHUR 29 2 SALTY 4 MINERAL	24-25 T STEEL 26	27-30 18-21 22-25	
30-33 1 FRESH 3 SULPHUR 34 8 2 SALTY 4 MINERAL	3 CONCRETE	26-29 30-33 80	
71 PUNPING TEST METHOD 10 PUMPING RATI	1) 7 15-16 7 17-18	LOCATION OF W	/ELL
WATER LEVEL 25	GPM. HOURS MINS. R LEVELS DURING 2 RECOVERY	IN DIAGRAM BELOW SHOW DISTANCES OF WEL LOT LINE. INDICATE NORTH BY ARROW.	L FROM ROAD AND
19-21 04 5 15 MINUTES 26-	28 29-31 32-34 35-37		WELL
Z IF FLOWING, 38-41 PUMP INTAKE GIVE RATE	SET AT WATER AT END OF TEST 42	V \$ 300'->	3
RECOMMENDED PUMP TYPE RECOMMENDED	PEET	Ý	
50-53 GPM./FT. SPECI		Lot R30	
FINAL STATUS 1 WATER SUPPLY COBSERVATION WE		MAIN 3/1	70 HW4 10
OF WELL 4 RECHARGE WELL	7 UNFINISHED	Lat 231	
WATER 2 Stock 3 Inrigation	5 COMMERCIAL 6 MUNICIPAL 7 PUBLIC SUPPLY		
USE /2 4 INDUSTRIAL OTHER	8 COOLING OR AIR CONDITIONING 9 NOT USED		
METHOD 1 CABLE TOOL 2 ROTARY (CONVENT			
OF DRILLING 3 □ ROTARY (REVERSI CONTROL OF THE PROPERTY (AIR) 5 □ AIR PERCUSSION	E) 8 ☐ JETTING 9 ☐ DRIVING	DRILLERS REMARKS:	
NAME OF WELL CONTRACTOR	LICENCE NUMBER	DATA 58 CONTRACTOR 59-62 DATE RE	60770 63-68 80
O DURHAM DRIL	LING, ENT, 1804	DATE OF INSPECTION	
NAME OF DRILLER OR BORER	URHAM.	E1/6/7() REMARKS:	12
O SIGNATURE OF CONTRACTOR	SUBMISSION DATE	OFFICE	US9.59
OWRC COPY	DAY 26 MOSTER VR 70		

MINISTRY OF THE ENVIRONMENT The Ontario Water Resources Act

The Ontario Water Resources ACI WATER WELL RECORD

41 A/IN

Ontario 1. PRINT ONLY IN SPACES PROVIDED 2. CHECK CORRECT BOX WHERE APPLICABLE 1. PRINT ONLY IN SPACES PROVIDED 2. CHECK CORRECT BOX WHERE APPLICABLE 1. PRINT ONLY IN SPACES PROVIDED 2. CHECK CORRECT BOX WHERE APPLICABLE	SR W	. 0.1
COUNTY OR DISTRICT TOWNSHIP BOROUGH CITY TOWN WEAGE 3 G CON. BLOCK, TRACT, SURVEY, ETC. S. Rd. W.	15	22 23 24 LOT 25-27
$\frac{1}{2}$	COMPLETED	14-53 41-53
291360 5 1775 15 23	17 MO8	YR. /6
LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)		47
GENERAL COLOUR MOST COMMON MATERIAL OTHER MATERIALS GENERAL DESCRIPTION	DEPTH FROM	· FEET
Black Topsoil	0	1
Brown Hardpan Boulders, Sand, Gravel	1	67
Grey Hardpan	67	74
Brown Hardpan Boulders	74	104
Blue Limestone	1024	112
Grey Limestone Shale Hard	1/2	119
Thate Hard	117	132
		•
(31) bool8b2 bo676 4 308 bo0742 4 b1046 4 3 b1122 5 b	118312	
WATER RECORD (51) CACING & OPEN HOLE PERSON OF OPENING 322 6	5 IAMETER 34-38 LE	75 80 NGTH 39-40
AT - FEET KIND OF WATER DIAM MATERIAL THICKNESS FROM TO MATERIAL AND TYPE	INCHES	FEET
0128 2 SALTY 4 MINERAL 10-11 1 STEEL 12 13-16	DEPTH TO TOP OF SCREEN	41-44 80 FEET
15-18 1 FRESH 3 SULPHUR 19 04 3 CONCRETE 205 0/06 61 PLUGGING & SE	ALING RECO	RD OF
20-23 FRESH 3 SULPHUR 24 17-18 STEEL 19 20-23 DEPTH SET AT - FEET MATERIAL FROM TO TO		F GROUT, KER, ETC.)
25-28 1 FRESH 3 SULPHUR 29 4 CONCRETE 10-13 14-17		
30-33 1 FRESH 3 SULPHUR 34 60 2 GALVANIZED 3 CONCRETE 26-29 30-33 80		
Z SALTY 4 MINERAL 4 OPEN HOLE 71-14 DURATION OF PUMPING		
1 PPUMP 2 BAILER 00 8 GPM 15-16 45 17-18 LOCATION OF WE		
LEVEL END OF WATER LEVELS DURING PUMPING IN DIAGRAM BELOW SHOW DISTANCES OF WEI	LL FROM ROAD AN	D
F 060 090 090" 090" 090" 090" 190" 1		
FEET FEET FEET FEET FEET FEET FEET FEET	#10	
RECOMMENDED PUMP TYPE RECOMMENDED PUMP PUMP PUMP RECOMMENDED PUMP PUMP PUMP RECOMMENDED PUMP Huy		
SHALLOW STEEP SETTING 070 FEET RATE 0003 GPM	\	
RECOMMENDED PUMP TYPE SHALLOW PODEEP SO-53 FINAL STATUS OF WELL OF WELL STATUS OF WELL RECOMMENDED PUMP SETTING OF WELL RECOMMENDED OF STATUS OF WELL RECOMMENDED OF STATUS OF WELL RECOMMENDED OF STATUS OF WELL OF WELL RECOMMENDED OF STATUS OF WELL OF WELL OF WELL RECOMMENDED OF STATUS OF WELL OF		
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WATER 1 D DOMESTIC 5 COMMERCIAL 2 STOCK 6 MUNICIPAL 3 D IRPEGATION 3 D RESIDENCE		
USE INDUSTRIAL COOLING OR AIR CONDITIONING		
METHODS CABLE TOOL O BORING		
METHOD CABLE TOOL		
DRILLING 4 ROTARY (AIR) 5 AIR PERCUSSION ORILLERS REMARKS: Well 15 40' East	+ . f H -	
NAME OF WELL CONTRACTOR 59-62 DATE RECEIVE		63-68 60
Source Source 150n Well Dr. Inc. 4856 DATE OF INSPECTION INSPECTION	0976	
NAME OF BRILLER OR BORER NAME OF BRILLER OR BORER	· • · · · ·	2
ADDRESS Mount Forest. NAME OF DRILLER OR BORER SIGNATURE OF CONTRACTOR SUBMISSION DATE SOURCE 4856 22 DATE OF INSPECTION INSPECTOR REARRS:	P/3	?. <i>ا</i>
DAY MO YR	ıwı	



MINISTRY OF THE ENVIRONMENT COPY

MINISTRY OF THE ENVIRONMENT The Ontario Water Resources Act ER WELL RECORD 1. PRINT ONLY IN SPACES PROVIDED 12506029 1 MUNICIP

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	COUNTY OR DISTRICT	TOWNSHIP BOROUGH, CITY, TOWN.	,	J000ZJ	1 25012	SK W	
	Grey OWNER (SURNAM SURE)	Proton	VILLAGE 3	9 C	ON. BLOCK TRACT, SURVEY,	SHITCD	LOT 25.2
		1 Melr	aca C1	n /	1/V	DATE COMPLETED	229
		19115	RC. ELEV	ATION CI RC.	BASIN CODE	DAY 13 MO. 04	YE
	L	OG OF OVERBURDEN AND	REDPOCK TO	TECHA S	23		
	GENERAL COLOUR MOST	OTHER MATERIALS	BEDROCK MA			DEPTH	
	Black Topsoil			GEN	ERAL DESCRIPTION	FROM	TO
ſ	Brown Sandi Claus	Grand				0	
	Brown Hardpan	Gravel Ban	11.			/	27
1	Grey Limestone	B. Slave	Iders.			27	100
ſ	2 - Junes Jone	Drown Shale.				100	109
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		0					
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Ī	(31) 000 1 802 0021	6051181 01006141	1121 10 4 4 6	de Circa I	1 11 1		
	32		1112 DIO4	2113117			
P	WATER RECORD	CASING & OPEN H	OLE RECORD	SIZE	54 (5) OF OPENING 31-33	65 DIAMETER 34-38 LEI	75 80 NGTH 39-40
	WATER FOUND KIND OF WATER .	INSIDE WALL THICKNESS	DEPTH - FEET		T NO)	INCHES	FEET
b	107 2 SALTY 4 MINERAL	10-11 1 STEET 12		13-16	RIAL AND TYPE	DEPTH TO TOP OF SCREEN	41-44 80
	15-18 1 FRESH 3 SULPHUR 19 2 SALTY 4 MINERAL	4 GALVANIZED 3 05	0 010	2 61	PLUGGING &	SEALING RECOR	FEET
	20-23 1 FRESH 3 SULPHUR 24	17-18	140	20-23 DEPTH	SET AT - FEET MATER	AL AND TYPE (CEMENT	GROUT
\vdash	2 SALTY 4 MINERAL 25-28 1 FRESH 3 SULPHUR 29	3 CONCRETE 4 10 OPEN HOLE	1021010	9 FROM	7 O 14-17	LEAD PACK	(ER. ETC.)
-	2 SALTY 4 MINERAL	24-25 1 STEEL 26 2 GALVANIZED	<u> </u>	27.30	1-21 22-25		
	1 FRESH 3 SULPHUR 34 60 2 SALTY 4 MINERAL	3 CONCRETE 4 OPEN HOLE		26	-29 30-33 80		
7	PUMPING TEST METHOD 10 PUMPING RATE	11-14 DURATION OF PUMPING			OCATION OF V		A PARTIE OF STREET
4	STATIC WATER LEVEL 25	GPM HOURS	17-18 MINS				
EST	LEVEL END OF WATER LEVI	ELS DURING 2 RECOVERY 30 MINUTES 45 MINUTES 60 MINU		LOT LINE. IND	OW SHOW DISTANCES OF ICATE NORTH BY ARROW.	WELL FROM ROAD AND	,
1 ~	- DO DO DO DO	a / May = / a /	PS-37 FEET	NN	Well.		Ì
PUMPING	IF FLOWING, 38-41 PUMP INTAKE SET GIVE RATE	WATER AT END OF TEST	11/1/	/ ' 1571	1		
S	RECOMMENDED PUMP TYPE RECOMMENDED PUMP	FEET 1 CLEAR 2 CLO	UDY 45-49	750	V-2 11		
	SO-53 GPM./FT. SPECIF	/	GPM .		14/1		
	FINAL 1 WATER SUPPLY		 		-14m 5T		
	STATUS	5 ☐ ABANDONED, INSUFFICIENT SUPP 6 ☐ ABANDONED POOR QUALITY 7 ☐ UNFINISHED	PLY	MA	AINTIF		
<u> </u>	OF WELL 4 □ RECHARGE WELL 55-56 1 30 DOMESTIC					undalk.	
	WATER 2 STOCK 5	COMMERCIAL MUNICIPAL					•
	1105 44	Depution of the conditioning					
	57 CARLE TOOL	9 NOT USED	_	·	' (
	METHOD 2 ROTARY (CONVENTION. 3 ROTARY (REVERSE)	6 ☐ BORING AL.) 7 ☐ DIAMOND 8 ☐ JETTING					
	DRILLING A DRIVER PERCUSSION	9 DRIVING		1.1011	1. 1.010	n l	
_	NAME OF WELL CONTRACTOR	LICENCE NUMBER	DRILLERS RE		15 150 Fr.		
TOR	Adoptes pencer 4 Jon Wel	10r. Inc. 4856	SOURCE	1	44856 DATE REC	020577	63-68 80
3AC	RA#5 Mount	Forest.	O DATE OF	INSPECTION	INSPECTOR		
CONTRACTOR	NAME OF DRILLER OR BORER	LICENCE NUMBER	D REMARKS	14/16		D	111
5	SIGNATURE OF CONTRACTOR	SUBMISSION DATE	FFICE			P	
]		DAY MO. YE	110		5	WI	HXX

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The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK © CORRECT BOX WHERE APPLICABLE

TOWNSHIP, BOROUGH, CITY, TOWN. VILLAGE

CON... BLOCK, TRACT, SURVEY, ETC.

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COUNTY OR DISTRICT	T	TOWNSHIP, BOROUGH, CITY, TOWN, VILLA	GE .	CON., BLOCK, TRACT, SURV	4 15 EV ETC	22 23 24 LOT 25-27
	CREV	DROTON	~ -	_	Re w.	LOT 25-27
		PPA	n , 11		DATE COMPLETED DAY 20 MOL	48-53
		90800	5 1700	BASIN CODE	II III	111
	LO	G OF OVERBURDEN AND BED	PROCK MATERIALS	(SEE INSTRUCTIONS)		47
GENERAL COLOUR	11057	OTHER MATERIALS		GENERAL DESCRIPTION		TH - FEET
					FROM	2
	SANDY CL	DV			2	48
	GRAVEL				410	74
BROWN	LIME STON	Æ			74	93
	127.70					75
				4.0		
31 0000	2 62 1 1 1 9048	19581 19074 11	0093615			
32	14 15	32	43	54	1 65	
	TER RECORD	51 CASING & OPEN HOL		SIZE(S) OF OPENING (SLOT NO)	31-33 DIAMETER 34-38	LENGTH 39-40
WATER FOUND AT - FEET	KIND OF WATER FRESH 3 SULPHUR	INSIDE DIAM MATERIAL THICKNESS INCHES	FROM TO	MATERIAL AND TYPE	DEPTH TO TOP	41-44 30
043 15	SALTY 4 MINERAL	10-11 1 STEEL 12 GALVANIZED	13-16		OF SCREEN	FEET
	☐ FRESH 3 ☐ SULPHUR 19 ☐ SALTY 4 ☐ MINERAL	64 concrete 188			3 & SEALING REC	ORD
20-23	THESH TO SULPHUR 24 STANDERS SALTY TO MINERAL	17-18 1 STEEL 19 2 GALVANIZED	3 1	FROM TO	MATERIAL AND TYPE LEAD	MENT GROUT, PACKER, ETC.)
25-28 1	FRESH 3 SULPHUR 29 SALTY 4 MINERAL	CONCRETE LOPEN HOLE 24-25 1 STEEL 26	74073	10-13 14-17 18-21 22-25		
	FRESH 3 SULPHUR 34 40	2 GALVANIZED 3 CONCRETE		26-29 30-33 80	·	
2 [SALTY 4 MINERAL	4 OPEN HOLE				
71 PUMPING TEST MET	THOD 10 PUMPING RATE	20 GPM 04 15-16 00 17-1	18	LOCATION O	F WELL	
STATIC LEVEL	WATER LEVEL 25 END OF WATER LEV	ELS DURING 1 DUMPING 2 RECOVERY		BELOW SHOW DISTANCE INDICATE NORTH BY AR		AND
TEST 19-21	030 ²²⁻²⁴ 15 MINUTES	30 MINUTES 45 MINUTES 60 MINUTES 35-34 35-34			1.1	
	<u> </u>		ΕΤ 12			
IF FLOWING, GIVE RATE RECOMMENDED PUI	GPM	FEET CLEAR 2 CLOUDY				
RECOMMENDED PUT	PIIMP	43-45 RECOMMENDED 46-4 PUMPING 0020 GP	i I	5		
50-53				•	5R 2	10
FINAL	WATER SUPPLY OBSERVATION WELL	5 ABANDONED INSUFFICIENT SUPPLY		ř.		1
STATUS OF WELL	3 TEST HOLE 4 RECHARGE WELL	7 UNFINISHED		7	38 mm	Keo _
•		5 COMMERCIAL 6 MUNICIPAL	7	*	4 530 6) 114
WATER USE	↑ 3 □ IRRIGATION	7 DUBLIC SUPPLY 5 COOLING OR AIR CONDITIONING		,, ,	11'	12
	☐ OTHER	9 NOT USED		J.	11	— <u>`</u> [
METHOD	CABLE TOOL CONVENTIO	6 ☐ BORING PNAL) 7 ☐ DIAMOND				
OF DRILLING	3 C ROTARY (REVERSE) 4 ROTARY (AIR)	8 🗍 JETTING 9 🗎 DRIVING			 	Ì
Thank or were	5 AIR PERCUSSION		DRILLERS REMARKS:	hundolf	<u> </u>	
NAME OF WELL O		BRIC 1458	DATA SOURCE	58 CONTRACTOR 59-62 1458	DATE RE 1 VE 7 07 7	8 63-68 80
ADDRESS ADDRESS	Par 30	BRIC 1458 2, Dunday, ont.	DATE OF INSPECTION	79 INSPECTOR		7
2	JUX CO	Z, DUNGUG, UNI.		/		

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WATER	RWELL	REC	API
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COUNTY OR DISTRIC	er .	TOWNSHIP, BOROUGH, CITY, TOWN, VILLA	GE	CON.	BLOCK, TRACT, SURVEY.	15	ZZ Z3
Grey		Proton		ĮŢ.	<u> </u>		229
		Dundalk			ı	DATE COMPLETED DAY	48.53
		891125	ZZO	* c	BASIN CODE	DAY/	
	LO	G OF OVERBURDEN AND BED	PROCK MATERIAL	S (SEE INS	STRUCTIONS)		
GENERAL COLOUR		OTHER MATERIALS			DESCRIPTION		TH - FEET
	Top 30/					FROM	то
	Clay stones a	some gravel				0	7
	Hardpana	stones	-			5.2	- 106
<u> </u>	Livestone						183
							7.50
					4-		
31 , , ,					· · · · · · · · · · · · · · · · · · ·		
32		<u> </u>			111111	<u> </u>	ا لبل
41 WAT	TER RECORD	51 CASING & OPEN HOLE	E BECORD T	\$1ZE(5) O	F OPENING 31-33	65 DIAMETER 34-38	75 80
WATER FOUND AT - FEET	KIND OF WATER	INSIDE WALL THICKNESS	DEPTH - FEET	Z ISLOT NO)	INCHES	LENGTH 39-40
	FRESH 3 SULPHUR 14 SALTY 4 MINERALS 6 GAS	INCHES INCHES	0 - 10 12-16	MATERIAL	. AND TYPE	DEPTH TO TOP OF SCREEN	41-44 30
	FRESH 3 SULPHUR 19 SALTY 4 MINERALS	2 GALVANIZED 3 CONCRETE 4 POPEN HOLE	107-183	61	DI LICCINIO D	SEAL (1) C	FEET
	6 □GAS FRESH 3 □SULPHUR 24	7 5 PLASTIC 88	20-23	DEPTH SET	AT - FEET	SEALING RECO	ENT GROUT
	SALTY 4 MINERALS 6 GAS	3 GONCRETE 4 GOPEN HOLE 5 PLASTIC		FROM 10-13	FO 14-17	LEAD P	ACKER, ETC)
2 🗆	SALTY 4 MINERALS 6 GAS	24-25 1 DSTEEL 26 26 26 2 DGALVANIZED	27-30	18-21	22-25		
[10	FRESH 3 SULPHUR 34 60 SALTY 6 GAS	3 □ CONCRETE 4 □ OPEN HOLE 5 □ PLASTIC		26-29	30-33 80		
71 PUMPING TEST METH	PORK C.	11-14 DURATION OF PUMPING		LOC	CATION OF V	NELL	
STATIC LEVEL	WATER LEVEL 25 END OF WATER LEVEL	GPMMINS			SHOW DISTANCES OF		ND.
T TEST	PUMPING	RECOVERY 30 MINUTES 45 MINUTES 60 MINUTES	LOILINE	INDICAT	TE NORTH BY ARROW.		
54 FEET	128 FEET 93 FEET	128 FEET 128 FEET 128 FEET	i i			<i>\(\lambda \)</i>	į
GIVE RATE	GPM 15D	WATER AT END OF TEST 42					
RECOMMENDED PUMP	P TYPE RECOMMENDED PUMP	43-45 RECOMMENDED 46-49 PUMPING				#	
50-\$3	Selling 130	7 FEET RATE 6 GPM			30' t	3.	
FINAL	WATER SUPPLY Description well	B ABANDONED, INSUFFICIENT SUPPLY B ABANDONED POOR QUALITY	1		*	3	
STATUS OF WELL	TEST HOLE RECHARGE WELL	7 UNFINISHED 9 DEWATERING			1,000 /k	1	
\$5.5	DOMESTIC 5	COMMERCIAL MUNICIPAL		_	1 3	1 3	j
WATER USE	3 RRIGATION 7	D PUBLIC SUPPLY COOLING OR AIR CONDITIONING		(2 1		
	OTHER	9 NOT USED					
METHOD	CABLE TOOL ROTARY (CONVENTIONA	6 DORING L) 7 DIAMOND					
OF CONSTRUCTION	3 ROTARY (REVERSE) N 4 ROTARY (AIR) 1 AIR PERCUSSION	: Detting 3813				<u> </u>	, E
NAME OF WELL CO		DIGGING OTHER	DRILLERS REMARKS			148	To
	leumouna	LICENCE NUMBER	DATA SOURCE DATE OF INSPECTION	SA CONTRAC		CT 0 6 1987	63-68 60
2.0	9. 4. Dec 1 - 1	1. 0-4	DATE OF INSPECTION	48	INSPECTOR		
ADDRESS NAME OF WELL: SIGNATURE OF TE	TECHNICIAN	WELL TECHNICIAN'S LICENCE NUMBER	THE MARKS				VO)
SIGNATURE OF TE	CHNICIAN/CONTRACTOR	SUBMISSION DATE	OFFICE		J. Have		- In w
1 Villain	12×2 C1222	DAY	10	to the second second	\^	S. S.8	CUTU

The Ontario Water Resources Act

WATER WELL RECORD

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COUNTY OR DISTRICT		TOWNSHIP, BOROOTH, CITY	Y, TOWN, VILLAGE		CON BLOCK TRACT, SURVEY		229
		70 +	<u>ση</u> Λ		<u></u>	DATE COMPLETED	41-53
		RG #	1 /10 hon	Station	NC BASIN CODE	DAY_30 MO_8	YR 94
1 2	M 10 12	17 18	24 25	26	30 31	<u> </u>	47
	LC	OG OF OVERBURDEN	AND BEDRO	K MATERIAL	S (SEE INSTRUCTIONS)	0.5071	- FEET
GENERAL COLOUR	MGST COMMON MATERIAL	OTHER MA	TERIALS		GENERAL DESCRIPTION	FROM	TO
	Topsail				the state of the s	0	/
Brown	Silty	Sand 9	rusel				8
Grov	Silt	Sand g gravel	stones			8	102
Gray	Lime ton	e		\L.	lard	102	138
		<u></u>			, , , , , , , , , , , , , , , , , , , ,		1
31							
32	14 15	32		43	54 SIZE(S) OF OPENING	65 31-33 DIAMETER 34-38	75 80 LENGTH 39-40
WATER FOUND	TER RECORD	INSIDE		ECORD	Z (SLOT NO)	INCHES	FEET
AT - FEET	PRESH 3 Elsulphur	DIAM MATERIAL INCHES	THICKNESS FRO	7.0 13-16	MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN	41-44 30 FEET
707	SALTY 4 CIMINERALS 6 CIGAS 19	1 GATEEL 2 GALVANIZED 3 CONCRETE	188 +	1 104	61 PLUGGING	3 & SEALING REC	
	SALTY 6 [] GAS	4 OPEN HOLE 5 PLASTIC	19	20-23	DEPTH SET AT - FEET	CEM	IENT GROUT
1 1	☐ FRESH 3 []SULPHUR 44 ☐ SALTY 6 []GAS	2 GALVANIZED 3 GONCRETE 4 Clapen Hole	10	14 /38	FROM 10		TACKER, LIC
	FRESH 3 [] SULPHUR 29 4 [] MINERALS 5 SALTY 6 [] GAS	5 PLASTIC	26	27-30	18-21 30	lensea!	
1 -	FRESH 3 SULPHUR 34 4 MINERALS SALTY 6 GAS	2 □ GALVANIZED 3 □ CONCRETE 4 □ OPEN HOLE 5 □ PLASTIC			26-29 30-33 80		<u>-</u>
PUMPING TEST ME			PUMPING		LOCATION O	F WELL	
71	ZI BAILER	GPMH	5-16 17-18 IOURS 4INS	IN DIA	GRAM BELOW SHOW DISTANCE		AND
STATIC LEVEL	PUMPING	LEVELS DURING 2	PUMPING RECOVERY ES 60 MINUTES	LOALI		RROW.	
56 ES	26.	28 29-31 3	32-34 35-37 FEET FEET			ace of	
O FEE IF FLOWING. GIVE RATE RECONMENDED PA	T FEET F S8-41 PUMP INTAKE	E SET AT WATER AT EN	ID OF TEST 42	1	<i>U11</i> .	age of Dundalk	
RECOMMENDED P		FELT 1 DECLEA					
SHALLO	W DEEP SETTING	100 FEET RATE	6-7 GPM	\	A · / / /		
	54	5 ABANDONED. INS	CHEELCIENY CURRIN		Mill st.		<u>,</u>
FINAL STATUS	1 THATER SUPPLY 2 CBSERVATION WI 3 TEST HOLE						^) ~
OF WELL	4 RECHARGE WELL	☐ DEWATERING				į.	ζ ,
WATER	1 DOMESTIC 2 STOCK 3 IRRIGATION	5 COMMERCIAL 6 MUNICIPAL 7 DUBLIC SUPPLY					z
USE	4 INDUSTRIAL OTHER	COOLING OR AIR COM	NDITIONING NOT USED				6
	57 CABLE TOOL	6 ☐ BORING				ı	
METHOD OF	2 ROTARY (CONVE	NTIONAL) 7 DIAMON SE) 8 DIETTING	G .			. . =	
CONSTRUCT	ION 4 . THE TOTARY (AIR) 5 AIR PERCUSSION	9 ☐ DRIVING ☐ DIGGIN		DRILLERS REMARK	(S	<u> 13</u>	1050
NAME OF WELL	L CONTRACTOR	. 100	ELL CONTRACTOR'S	> DATA SOURCE	58 CONTRACTOR 7 53-62 25 7 6	SEP 1 2 19	63-61 40
D ADDRESS	Llond Wet	er Wells 2	2576	SOURCE DATE OF INSPER		SEP 1 2 19	JT
BA BOX	LUI FECHNICIAN	· kam	ELL TECHNICIAN'S	S REMARKS			
SPENATION OF WE	el Poppe	140m	72130	OFFICE			
O SIGNATURES	F TECHNICIAN MONTRACTOR	SUBMISSION DATE	10. <u>9</u> YR.SG	9.		CSS.I	ES
MINISTRY	OF THE ENVIRON		1			FORM NO. 0506	(11/86) FORM

Ministry of the @ 2-13 Environment

The Ontario Water Resources Act WATER WELL RECORD

Print only in spaces provided. Mark correct box with a checkmark, where applicable.

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Municipality	Con.					
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10 14	15		22	22	24	

County or District	l .	Townsh Town	nip/Borough/City	Town/Villag	ge PALK/A	BOTON THE	Con block	tract survey	sk.	1 PART
Owner's surname		Addres 00	s 1 12	auld	01 4	V0 16	ξ υ	Date completed		3 0 2
21		Easting	Northing	UALA /	RC Elev	vation RC	Basin Code	<u> </u>	day r	nonth year iv
1 2	10	F OVERBURDE	N AND BEDF	ROCK MA	TERIALS (s	see instruction	ons)	J		47
General colour	Most common material		ther materials				description		Dept From	h - feet To
BROWN	CLAY	ROCKS			FILE	-			0	6
BADWA	CLAY	SAND+5	TONES					-	6	35
BROWN	GRAVEL	CIAY							35	97
BROWN'	LIMESTONE				INTE	RMIXI	= A		97	154
TAN	LIMESTONE								154	180
BROWN	LIMESTONE								180	2//
TAN	LIMESTONE								2//	330
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31				عنا ل	بليلي	نيا ليا		ـــا لـــــ	ШШ	لا لبلت
	4 15 21	32				54		65		75 B0
Water found	FRECORD 51 Inside diam	CASING &	Wall thickness		n - feet	Sizes of o		1-33 Diameter	34-38 Lenç	yth ³⁹⁻⁴⁰ feet
	Fresh 3 Sulphur 14 inches	1 KL Steel	inches	From	To 13-16	Material a	and type		Depth at top	
7 7 7 18	Salty 6 Gas Fresh 3 Sulphur 19	2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole	.188	+2	105	6	•			Bot
260 2	Salty 6 Gas Salty 6 Gas 17-15	5 🗆 Plastic	19		20-23		PLUGGING Annular space	& SEALING	RECORE	
	Fresh 4 Minerals Salty 6 Gas	2 Galvanized 3 Concrete 4 Open hole		105	330	Depth set at	- feet Mate	rial and type (Cer	ment grout, b	entonite, etc.)
	☐ Fresh	I □ ⊃ieei	26		27-30		20.00	NTON!	T /E	
30-33 1	Fresh 4 Sulphur 34 60	2 Galvanized 3 Concrete 4 Open hole				18-21 26-29	30-33 80			
	☐ Salty 6 ☐ Gas	5 Plastic								
71 Pumping test n	1 · · · · · · · · · · · · · · · · · · ·	Duration of pur Duration of pur Hou	nping 3 17-18 rs Mins	1			ATION OF			
Static level	Water level 25 Water levels during	1 Dumping	2 - Recovery			m below show north by arrow		of well from ro	oad and lo	t line.
Static level 6	22-24 15 minutes 30 minutes 25 T T S T I N C 199 0 T H	45 minutes 32-34	60 minutes 35-37							
feet If flowing give r	20.41	feet feet Water at end of	test 42		_		,			
Recommended p	pump type Recommended 4	eet Clear Recommende	☐ Cloudy d 46-49		To	WN OF	= Duns	1 LK		
☐ Shallow	□ Deep pump setting	pump rate eet	GPM						2	
FINAL STATU	S OF WELL 54	8	-			~	_ 99	,	۱	
1 Mater sup 2 Observati 3 Test hole	on well 6 Abandoned, poor qual	nt supply ⁹ □ Unfin ity ¹⁰ □ Repla	ished acement well			Y	, , ,		}	
4 ☐ Recharge						495			3	
WATER USE 1 Domestic		9 □ Not L								
2 ☐ Stock 3 ☐ Irrigation 4 ☐ Industrial	6 Municipal 7 □ Public supply 8 □ Cooling & air condition	10 🗌 Othe	ſ	-	6	BREY RE	9			-
METHOD OF	CONSTRUCTION 57									
¹ ☐ Cable too	l 5 ☐ Air percussion	⁹ 🔲 Drivii ¹⁰ 🔲 Diggi	ng ina			124	·			
3 ☐ Rotary (re 4 ☐ Rotary (ai	everse) 7 Diamond	¹¹ □ Othe	ſ			,-		'	242	327
Name of Well Contr	ractor	Well Contra	ctor's Licence No.	Dat		58 Contractor	0 F	59-62 Date recei		63-68 60
MEADOW BA	MA DRILLING SERVICE	5 68	66	ONI Soul	e of inspection	58 Contractor 68	nspector	JUN	102	002
RRIE	CORA OPIT NOB			RE _			•			
Name of Well Tych	nician OABFOOT		cian's Licence No. 3フ <i>o</i>	MINISTRY	narks			7000	5 E C	
Signature of Technic		Submission day m		ž				CSS	つ。こく	
		uazy III	yı						0506 (07/0	0) Front Form 9

Mark correct box with a checkmark, where applicable.

The Ontario Water Resources Act **WATER WELL RECORD**

Ontario

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Municipality	Con.				
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County or District			Township	p/Borough/City/	Town/Village	9 1 41 /	<u>, </u>	i	ock tract survey	- 1	ot PART"
GREY Owner's surname	28-47 Fin	st Name	/ow Address	NOF	PUN	2794K	<u> </u>	Concl	Date		230 48-53
TownsHIP	OF SOUTHE		RR	1. Dun	ALK.	au. N	loc 11	BO	completed		nonth year
21	Z	one Easting	1	Northing	. 1	RC Elev	vation F	RC Basin Co	de ii	iii I	iv
1 2	U M 10		1-	18	24	25 26		0 31			47
<u></u>		LOG OF OVE			OCK MA1	TERIALS (S				Denti	h - feet
General colour	Most common mater	ial	Oth	ner materials			Gene	eral description		From	To
BROWN	CLAY	Ro	CKS			FILL	4			0	フ
BROWN	Ceny					T				フ	35
		7	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FOMES			1 -				
BROWN	GRAVEL	(2.	ATAR	ock 2		K	بين ج			35	95
BROWN	HIME STONE					IMTE	RmI	x en		95	154
TAN	LIMESTONE									154	180
BROWN	LIMESTONIE									180	211
TAN						1				211	330
1711-	LIMESTONE										
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32			 		_ 	, ,	. II.		
10 14	R RECORD	51 C A	SING & O	PEN HOLE I	RECORD		Sizes	s of opening	31-33 Diameter	34-38 Leng	75 80 pth 39-40
Water found	Kind of water	Inside diam	Material	Wall thickness	Depth					nches	feet
at - feet /0 90-13 1 12	K Fresh 3 □ Sulphur 14	inches	Steel 12	inches	From	To 13-16	CSlot Mate	rial and type		Depth at top	
125 2	Salty 6 Gas	2 0	Galvanized Concrete	250	+2	105	ŭ				foot
	Servicesh 3 Sulphur 19 4 Minerals	4 A	Open hole Plastic			_	61	DI HIGGIA	IG & SEALING	BECORD	
2/ /	Fresh 3 Sulphur 24	17-18 1 7 2	Steel 19 Galvanized			20-23		Annular spa		Abandonm	
300 2	Salty 6 Gas	98 38	Concrete Open hole		105	330	From	10	laterial and type (Cei	ment grout, be	entonite, etc.)
	Fresh 3 Sulphur 29 Salty 6 Gas	5 🗆	Plastic Steel ²⁶	1		27-30	الح		BENTONI	7 E	
30.33	Freeh 3 Sulphur 34 60	2	Galvanized Concrete				18-21	22-25			
	☐ Fresh 4 ☐ Minerals ☐ Salty 6 ☐ Gas	4	Open hole Plastic				26-29	30-33 80			
_ Pumping test m	nethod 10 Pumping rate	11-14 Du	ration of pump	ning							
71 1 □ Pump 2 [□ Bailer	GPM D	15-16 Hours	17-18 Mins	1	lo dicere		OCATION C		and and le	t line
L. Static level	Vater level 25 Water levels	-		² ☐ Recovery	/		m below st north by ar		s of well from ro	лаці апо 101 П	, iiri e .
19-21	22-24 15 minutes 26-28	30 minutes 45	minutes 32-34	60 minutes 35-37							
5 feet	feet feet	feet	feet	feet							
19-21 US feet If flowing give ra	ate ³⁸⁻⁴¹ Pump intake set GPM	at Wa	ater at end of te	est ⁴²				•			
Recommended p	ump type Recommended	43-45 F	Recommended	46-49		Tow	'N OF	DUNBA	LK		Ì
☐ Shallow	□ Deep pump setting	feet	ump rate	GPM							
50-53	e oe well						_	\	/	0	
FINAL STATUS 1 Water sup	ply 5 ☐ Abandoned,	, insufficient supply					5	ج— ج	190	1,1	
² ☐ Observation ³ ★ Test hole	7 Abandoned	(Other)	10 ☐ Replac	ement well			1	,		7	
⁴ ☐ Recharge	well 8 Dewatering						47	5		H	
WATER USE	55-56 5 Commercial	l	9 ☐ Notus	e							
2 Stock 3 Irrigation	6 🔼 Municipal 7 🔲 Public suppi	ly	10 Other			GRE	- RA) 9		++-	
4 Industrial	8 Cooling & a					٠٠٠٠	· / </td <td><u>, </u></td> <td></td> <td>++-</td> <td></td>	<u>, </u>		++-	
METHOD OF C	CONSTRUCTION 57										
1 ☐ Cable tool 2 🗷 Rotary (co		ion	9 ☐ Driving 10 ☐ Digging								
3 ☐ Rotary (re	verse) ⁷ Diamond		11 Other							242	325
,,	. —		<i>j</i>							<u> </u>	<i>J</i>
Name of Well Contra	<i>i i</i>			or's Licence No.	> Data		58 Contracto		59-62 Date recei		000 63-68 B0
MEADOWBA	INK VRILLING	SERVICES	686	5	Source	of inspection		865	JUN	102	002
PR 1 F	ZORA ON NI	OB ISO			OSE	or inspection		mspector			
Name of Well Techy	119 an	<u>ان . رو</u> د		an's Licence No.	Rem	arks					
MMAL	PARPEOT		TO37		MINISTRY				CC	S.E	. :5
Signature of Jeconi	Contractor		Submission d day mo		Z				シングロ	باسط د (ب	turne .
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25012	SR W	1 1			
			22	300 04	

0506 (07/00) Front Form 9

County or District	GPBV	Township/Botaugh/City/To		Con bjock	tract survey,	etc. Lo	228
		Address			Date completed	QS n	9 Osa
21	W 100	Northing 1. 1 17 18	RC Elevation	RC Basin Code	<u> </u>	iii	iv 47
	LOG O	F OVERBURDEN AND BEDRO	OCK MATERIALS (see inst	tructions)		Dept	h - feet
General colour	Most common material	Other materials	G	eneral description		From	То
Ben Gerv	Chay Limestonia	570~135, (SPAUel			1- 97-	97
Ben	Limestonio					150	241
	R RECORD Kind of water 51 Inside diam	CASING & OPEN HOLE RI Material thickness		s4 slizes of opening 31-3		34-38 Leng	75 B0 10 39-40 10 feet
210 2	Fresh 3 Sulphur 14 Salty 6 Gas Sulphur 19 Salty 6 Gas Sulphur 19 S	1 Steel 12 inches 2 Galvanized 3 Concrete 4 Open hole 5 Plastic	+2 -99 5	flaterial and type		Depth at top	feet
20-23 1	Saity 6 Gas	1 Steel 19 2 Galvanized 3 Concrete 4 Depen hole 5 Plastic	27-30 Froi	m 10		Abandonn ent grout, be	nent
2 🗆] Fresh 3 □ Sulphur 34 60 4 □ Minerals 1 Salty 6 □ Gas	3 Concrete 4 Open hole 5 Plastic	24	6-29 30-33 80		SCO	
Static level er 19-21 OR 19-21 If flowing give ra Recommended pu	Panier Salier Sa	Duration of pumping 1-1	In diagram below Indicate north by	LOCATION OF W y show distances of arrow.		ad and lo	t line.
FINAL STATUS 1	ply 5 ☐ Abandoned, insufficier on well 6 ☐ Abandoned, poor qual 7 ☐ Abandoned (Other)			1 + 1c	ς γ γωγ	•	
WATER USE 1 Domestic 2 Stock 3 Imigation 4 Industrial	55-56 5 Commercial 6 Municipal 7 Public supply 8 Cooling & air condition	9 Not use 10 Other	DUNDALK	(2500 CEBUNTY R	249	-	
METHOD OF C 1	nventional) ⁶ Boring verse) ⁷ Diamond	9 Driving 10 Digging 11 Other	5	,	`	252	236
Name of Well Contra NRUMA Address RP#	1./- 5	Well Contractor's Licence No.	Data 58 Control Date of inspection	inspector	Date receiv		63-68 80
Name of Well Technology Signature of Technology	1 (312/188	Well Technician's Licence No.	Remarks	(es es my	ganter i stage	٥,

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Ministry of Environment and Energy

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The Ontario Water Resources Act WATER WELL RECORD

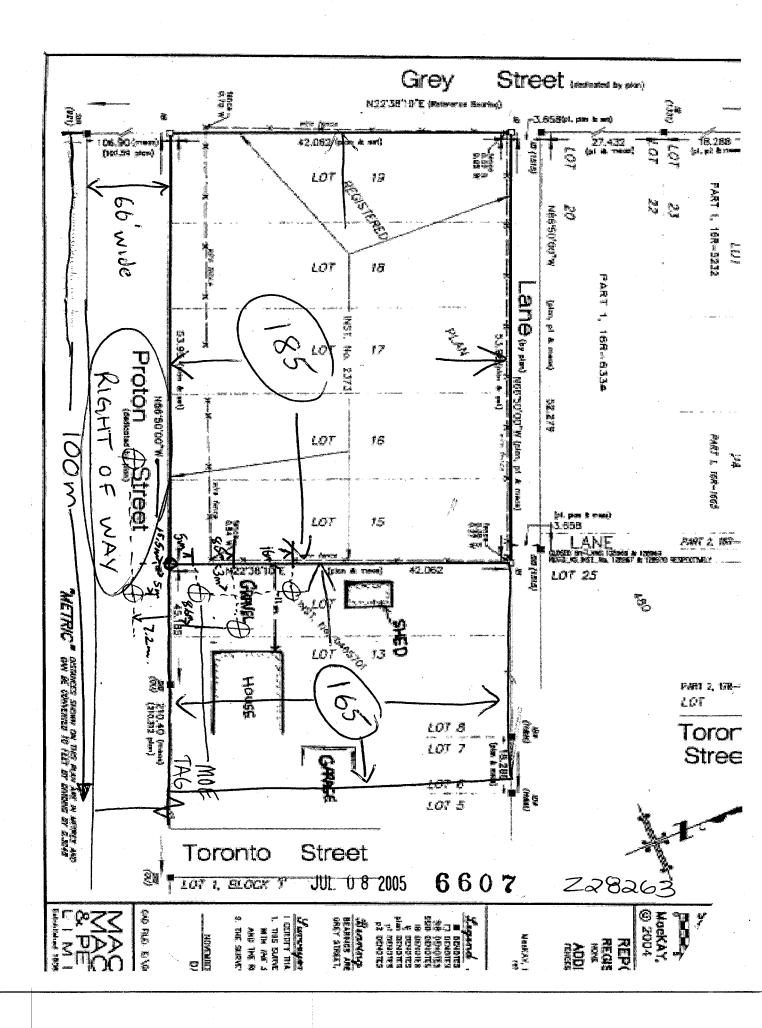
0506 (06/02) Front Form 9

Print only in spaces provided. 25012 <u>ŠR W 1 02</u> 2515624 Mark correct box with a checkmark, where applicable. 11 Con block tract ip/Borough/City/Town/Village County or District troton Address of Well Location completed Flevation RC Basin Code 21 لسبا 1 1 1 1 1 1 11111 LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions) Depth - feet General colour 6+1 opsoil 1-116 HARD PAN. STUNES Ben 116-142 ints Ton CASING & OPEN HOLE RECORD Sizes of op (Slot No.) WATER RECORD Inside diam inches Wall thickness inches Water found at - feet Depth - feet Kind of water inches Material То From Depth at top of screen ☐ Sulphur ☐ Minerals 3 | 4 | Fresh Salty Steel 118 12 188 Galvanized
Galvanized
Concrete
Copen hole
Plastic +2 6 □ Gas ☐ Sulphur ☐ Minerals **PLUGGING & SEALING RECORD** 2 Salty Gas 1 ☐ Steel 2 ☐ Galvanized 🔀 Annular space □ Abandonment ☐ Sulphur ☐ Minerals ☐ Gas 142 118 1 ☐ Fresh 2 ☐ Salty Depth set at - feet Material and type (Cement grout, bentonite, etc.) Concrete Open hole
Plastic Sulphur Minerals Gas 1 🗆 Fresh 2 Salty 1
Steel Galvanized Concrete Open hole Plastic A007 Sulphur Minerals Gas 1 ☐ Fresh 2 ☐ Salty AIK **LOCATION OF WELL** 17-18 Mins GPM **X** Pump 2 🗆 Bailer In diagram below show distances of well from road and lot line. Water level Water levels during Pumping 2 Recovery Static level Indicate north by arrow. end of pumping PUMPING TEST 19-2 30 minutes 29-31 45 minutes 32-34 31 31 31 31 3 Water at end of test If flowing give rate GPM Recommended pump setting Recommended pump type ☐ Shallow Deep GPM 10-12 **FINAL STATUS OF WELL** 9 ☐ Unfinished
10 ☐ Replacement well ⁵ □ Abandoned, insufficient supply
 ⁶ □ Abandoned, poor quality
 ⁷ □ Abandoned (Other) Water supply
Observation well 3 ☐ Test hole
4 ☐ Recharge well 8 Dewatering WATER USE 5 □ Commercial
6 □ Municipal
7 □ Public supply
8 □ Cooling & air conditioning DUNDALK Domestic

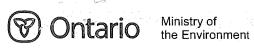
Stock

Irrigation
Industrial 9 Not use METHOD OF CONSTRUCTION 57 9 Driving
10 Digging
11 Other ⁵ Air percussion Boring 262208 ⁸ □ Jetting Data Well Contractor's Licence No 7°01<u>5</u> JUL 1 6 2003 source NEUMANN WALL DELLING 7015 Date of inspection USE UNDALK MINISTRY CSS.ES3

(Co) Contorio M	inistry of e Environment	Well 7	teratir and the state of the st	umber below)	Anec H June 8/05 Regulation 903	೨೮೦೯೩ Well Re	ecord
	•		7686	·	Regulation 903	Ontario Water Reso page _	
 Instructions for Completing For use in the Province of 	f Ontario only. This	s document is a per	manent legal	document. Pl	ease retain for future	reference.	
 All Sections must be comp Questions regarding comp All metre measurements 	oleting this applicati	ion can be directed	to the Water	Nell Managen	nent Coordinator at 4	16-235-6203.	.1115 101111.
Please print clearly in blue Well Owner's Information a	or black ink only.	······································	MUN	cc	Ministry Use	Only LOT	
F The state of the	TIU LOCATION OF V	Tell Illioitilation	Mailing Address	(Street Numbe	r/Name RR Lot Conce	ession)	
)de)
Address of Well Location (County/	District/Municipality)		Township		Lot Site/Compa	Concession rtment/Block/Tract etc	
RR#/Street Number/Name	Easting	Northina	City/Town/Vil Unit Make/Me	.dalk_		fferentiated Avera	
GPS Reading NAD Zone 8 3 Log of Overburden and Beau	548212 drock Materials (Northing 4890953 see instructions)	Magell		• ——	rentiated, specify	
General Colour Most common r		Other Materials		Genera	l Description	Depth From	Metres To
brown Grave	1	gravel				.11	9
brown Sand		Usilt		ROCKY		.9	2.1
light brown 511t		Sand		NOCKY		α.,	
			,				
Hole Diameter		Construction Re	ecord			t of Well Yield	
Depth Metres Diameter From To Centimetres	Inside diam Mate	4110111000		Metres	Pumping test method	Time Water Level Time	Water Level Metres
6 6. 21	centimetres	centimetre	S FIOIT	. 10	(metres)	Static Level	
	Steel	Fibreglass Concrete	0	1.2	Pumping rate - (litres/min)	1 1	
Water Record Water found At Metres Water Found Wind of Water	Galvanize Steel	ed Fibreglass			Duration of pumping hrs + min Final water level end	 	
Gas Salty Minerals	Plastic Galvaniz	Concrete red			of pumping metres Recommended pump		
Other: Other: Sulphur Sulphur Other	Steel Plastic	Fibreglass Concrete			type. Shallow Deep Recommended bump		
Gas Salty Minerals Other: Sulphur	Galvaniz	–			depthmetres Recommended pump		
Gas Salty Minerals Other:	Outside Steel Steel	Fibreglass Slot No.	10		rate. (litres/min) If flowing give rate -	15 15 20 20	
After test of well yield, water was Clear and sediment free	G 'A Galvaniz	zed P	١. مر ا	Q	(litres/min) If pumping discontin- ueg, give reason.	25 25 30 30	
Chlorinated Yes No	Open ho	No Casing or Sole	creen			40 40 50 50	
Plugging and Se	aling Record	Annular space	Abandonment		Location o		
From To	e (bentonite slumy, neat o	WMANT CHIMATER.	olume Placed ubic metres)	Indicate north b	•	rom road, lot line, and bu	uilding.
15 1.1 ben	cre te tonite	1		See	map	:	,
	······································		· · · · · · · · · · · · · · · · · · ·				
	Method of Construc	tion					
Cable Tool Rotary (Rotary (conventional) Air perc	(air)	Diamond Jetting	Digging Other				
Rotary (reverse) Boring	Water Use	Driving					
☐ Domestic ☐ Industria ☐ Stock ☐ Comme ☐ Irrigation ☐ Municip	ercial	Public Supply Not used Cooling & air conditionin	Other	Audit No.	Da Da	te Well Completed	
☐ Irrigation ☐ Municip ☐ Water Supply ☐ Recharge we	Final Status of We	ell	andoned, (Other)	4	wner's information Da	te Delivered YYYY	MM DD DD DD DD DD DD DD
Observation well Abandoned, Test Hole Abandoned,	insufficient supply poor quality	Dewatering Replacement well		package deliver	ed? Yes No Ministry Us	a Only	
Name of Well Contractor	tal Dillin	Well Contracto	r's Licence No.	Data Source	المراجع والمناط والمنا	intractor 860	7
Business Address (street name, number 340 Market Dr.				Date Received		ite of Inspection YYYY	* MM DD
Name of Well Technician (last name,	first name)	Date Submitted	1 0(Remarks	W	ell Record Number	
Signature of Technician/Contractor X 0506E (09/03)	Contractor's C	20		vner's Copy	Cette i	formule est disponible	en français
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♥ Ontario	Ministry of he Environment	Well Ta	L A O	05365	ber below)	Regulation 90		Well F Water Res	
Instructions for Completin			0053						of
 For use in the Province of All Sections must be comed Questions regarding comediate All metre measurements Please print clearly in blue 	npleted in full to av pleting this applica s shall be reporte	oid delays ation can l ed to 1/10	s in processi be directed to	ng. Further i o the Water	nstructions ar	nd explanations are av	ailable on 416-235-	the back of	f this form.
Well Owner's Information				MUN		CON CON	e Only	LOT	:
Ē									
Address of Well Location (County)			77	DUNDA	+LK	LOT		Concession	-
RR#/Street Number/Name GPS Reading NAD Zon 8 3 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	548228		hing MOROF	City/Town/Vi TOWNSK Unit Make/M Ogli Min	CUCE 91 K	e of Operation: Unc	artment/Blo OWNT differentiated erentiated, sp	OF G	TREY
General Colour Most common		Other Ma			Gener	al Description		Depth	Metres
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BROWN S. 1+.	Col	56/45	,Sand		25 E			,3	4.57.
7									
		,					,		
AMEC									
Hole Diameter Depth Metres Diameter	1	Cons	truction Rec	I		Tes Pumping test method	t of Well `		Recovery
From To Centimetres	Inside diam Mat centimetres	erial	Wall thickness	Depth From	Metres	- Fumping test method	Time Wate	er Level Time	Water Leve
0 4.57 20	centumenes		centimetres	110111	10	Pump intake set at - (metres)	Static Level	71163 111111	Wickes
		Fibreglass				Pumping rate - (litres/min)	1	⊕1	
Water Record	Galvaniz	Concrete red	SCAD	0	1.52.	Duration of pumping	2	2	9 .
Water found at Metres		Fibreglass				hrs + min	3	3	
Gas Salty Minerals Other:	Galvaniz			note:		of pumpingmetres Recommended pump	4	4	
m Fresh Sulphur	1	Fibreglass Concrete				type. Shallow Deep Recommended pump			
Gas Salty Minerals Other:	Galvaniz					depthmetres	5	5	
☐ m ☐ Fresh ☐ Sulphur☐ Gas ☐ Salty ☐ Minerals	Outside Steel	Fibreglass	Screen Slot No.			Recommended pump rate. (litres/min)	10 15	10 15	
Other:After test of well yield, water was	i diam i— -	Concrete	1,002,002		1 =	If flowing give rate - (litres/min)	20 25	20 25	
Clear and sediment free Other, specify	. C Galvaniz		70	4.57	1.52	If pumping discontinued, give reason.	30	30	
Chlorinated Yes No	Open ho		asing or Scr	een			40 50	40 50	
							60	60	
Plugging and Sea Depth set at - Metres From To Material and type	e (bentonite slurry, neat o	Annula ement slurry) etc Volum	ne Placed c metres)		Location of well from the show distances of well from the shown in the		t line, and bu	ilding.
D. 3 Cemen	 \		(Cubic	, medes)	Indicate north by	y arrow.			AT.
3 1.0 Benon	ate Chips	<u> </u>							A
	-11					Para the grap graphy and address of the deficiency			/
							×		
Cable Tool Rotary (a	ethod of Construc	tion Diamond		Digging	SP marriage	(O)	1		
Rotary (conventional) Air percu	Water Use	Jetting Driving		Other	The state of the s				
Domestic Industrial Stock Commerce	cial 🔀	Public Supp Not used	-	Other	4 11 11 11 11 11 11 11 11 11 11 11 11 11				
☐ Irrigation ☐ Municipa	Final Status of We		r conditioning	N	Audit No.	46561 Date	e Well Com	YYYY	MM DD
▼ Test Hole	nsufficient supply	Unfinished Dewatering Replacemen	ıt well	oned, (Other)	Was the well ov package delivere	THOI S IIIIOITIALIOIT	e Delivered	YYYY	MM DD
Name of Well Contractor	. O A	1	ell Contractor's L 6 6 3 Z	icence No.	Data Source		ntractor	Q 0	
Business Address (street name, number			505 <u>C</u>		Date Received	YYYY MM DD Date	e of Inspection	on _{YYYY}	MM DD
Name of Well Technician (last name, fir		We	ell Technician's L	icence No.	Remarks 2 (5-2007	ll Record Nu	umber	
Signature of Technician/Contractor	ARIS	Date	T 685 e Submitted YYYY	MM DD					
X (X) (T) (X) (0506E (09/03)	Contractor's Co		<i>2.06</i> nistry's Copy ¶	11 30	er's Copy 🔲	Cette fo	ormule est	disponible (en français



0506E (09/03)

Well Tag	MI	/Dlace sticker and print numb	er below)
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	DAA	7179	

		Well	Record
Regulation 9	003 Ontario	Water R	esources Ac

nstruction	ns for (Completin	ıa Form		/	9047	429	V .			pag	ge <u>l</u> of <u>l</u>
For useAll SectQuestion	in the tions m ons reg	Province of ust be con arding com	of Ontarion of Ont	full to avo is applicati	s documer id delays in ion can be	nt is a pern n processi directed to	nanent lega ng. Further o the Water	instructions and	ease retain for futu d explanations are av nent Coordinator at	ailable (on the bacl	k of this form.
		asurement early in blu			10 1/10	or a metre).		Ministry Us	e Only		
Well Owne					Vell Inform	nation	MUN	CO	ON N	14 2 1	LC	ТС
irst Name	uodio .	100	Last Nam						er/Name, RR,Lot,Con	cession)	
	<u>-MP</u>	BRIAL	OIL		/a: =			YNFORD	DRIVE		.	
County/Distric	ct/Munic	cipality		market in the same of	/City/Town/	-		ovince Posta Ontario			Number (inc	clude area code
Address of W	ell I oca	tion (County	/District/Mu		DYZONTC		wnship	ontario	Lot		Concess	
	o 200a					. .					00110000	3.0.1
RR#/Street N							City/Town/V		Site/Comp	artment	/Block/Trac	t etc.
185 PR	20Tun	ST	-		. h1		DUNC	DALK	of Operations (5)			
SPS Reading		AD Zon	e Eastir 77 0 ₁ 5 ₁	19 48236	Northin		Unit Make/M	lodel Mode	of Operation: 📈 Un		ited / d, specify	Averaged
og of Ove								<u> </u>			or personal in	
General Colou	ır Mo	ost common	material	1	Other Mate	rials		Genera	l Description		Depth	
Para	. 9	BIZANO	Cur	-	· · · · · ·						From	1,2
Brown			SICI		AND		0-	- 1 4				
Beown		SILT		S	and I	TRIACE	GRAVE	EL + CL	P-1	***************************************	1.2	4.6
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			***************************************						**************************************			
									1			
									77-0			
	Diame				Constr	uction Rec	ord				ell Yield	
	Metres	Diameter	Inside	Mata		Wall	Depth	Metres	Pumping test method			Recovery
From	To	Centimetres	diam centimetres	Mate		thickness centimetres	From	То		Time V		ime Water Leve min Metres
0 .	4,3m	20.32cm	centimetres				1 10111	10	Pump intake set at -	Static	Wickes 1	IIIII Welles
						asing			(metres) Pumping rate -	Level		
			C 10.		Fibreglass	n 1100		100	(litres/min)	1		1
Wate	er Reco	vrd	5.1cm	€ Plastic		0.48cm	0	1.2n	Duration of pumping	2		2
Nater found		of Water		Galvanize					hrs + mir	-		
at Metres 	Fresh	Sulphur			Fibreglass				Final water level end	3		3
Gas	Salty	Minerals		Plastic Galvanize	'				of pumpingmetres	3		
Other:					Fibreglass				Recommended pump type.	4		4
m	Fresh	Sulphur	~	Plastic	, -				Shallow Dee			_
Gas Cther:	_ Salty	Minerals		Galvanize					Recommended pump depth. metres	\vdash		5
	j Grandh	Culmbur.		Garyaniza		Screen	1	1	Recommended pump			10
m □ Gas _	_ Fresh ☐ Salty	Sulphur Minerals	Outside						rate. (litres/min)	15		15
Other:			diam	☐ Steel ☐	Fibreglass	Slot No.	1,2n	4.31	If flowing give rate -	20		20
After test of we			6.0cm	Galvanize	·	10	1,2 n	HON	(litres/min)	25		25
Clear and s		free	0000	Galvariize		•			If pumping discontinued, give reason.	30		30
Other, spec	CITY				No Cas	sing or Scr	een			40		40
Chlorinated [Yes	□No		Open hole	•					50 60		50
							<u> </u>					60
Depth set at - N	Antron I	ging and Se			Annular s	Value	bandonment ne Placed	I dia b -la-	Location	of Well	1 1-4 11	althoritation .
From	To	faterial and typ	e (bentonite s	slurry, neat ce	ment slumy) et		c metres)	Indicate north by	show distances of well f	TOTT TOAG	i, lot line, and	d building.
0	1	HOLE	PLUG	-		0.0	2976				3	con con
											_ {	
								mm			ny	
								1 1			\$	
			lethod of	Constructi	on			10			\$	
Cable Tool		Rotary (Diamond		Digging		The Str	'	\$	
Rotary (con	ventional)	Air perc	ussion	J	etting		10ther	1	16\6\1	m/	\$	
Rotary (reve	erse)	Boring			Driving		ALV-ER	1 25	57/ //3	\$	3	
□ Domostic		□ladustria		er Use	\ f.l' = 0 b -		7	(2)	3/3	5 49	\$	
☐ Domestic ☐ Stock		☐ Industria		_	Public Supply Not used	<u> </u>	Other		· N/	, E	\$	
Irrigation		Municip			ooruseu Cooling & air c			Audit No.	ESCES Da	te Well (Completed	MAM DE
		3		tus of Well				Audit No.	53653			16 0 1 0 7
☐ Water Supp	- =	Recharge we			Infinished	Aband	oned, (Other)		ner a mornador	te Delive	red yyy	Y MM DD
丛.Observation ☐ Test_Hole	well _	Abandoned, Abandoned,			Dewatering Replacement v	vell	***************************************	package delivered	i: Les Tino	***************************************		
1 301 11016		4	e Salaria	chnician Ir	·				Ministry Us			
lame of Well C		r			Well	Contractor's I	Licence No.	Data Source	Co	ontractor	ROD	R
KODIAK					(3488		Data Parrier		to of !: -	ootice	
Business Addre				KUNLE	. 02) ,	-1	SEP 10	2007 MM DD DE	ite of Insp	pection YYY	Y MM DD
Jame of Well T	echniciar	last name f		KU1 LL	Well	Technician's	Licence No.	Remarks		ell Recor	d Number	
Ri	TCE	y T	2004		T	Technician's - Z 6 5 Submitted YYYY	06					
Signature of Te	ch <u>nician/</u>	Contractor	_		Datè S	Submitted YYYY	MM DD					
(() 0506E (09/03)		4-1	Con	tractor's Co		zoo 7 stry's Copy	10 24 Well Own	ner's Copy	Cette	ormule	est disponi	ble en français
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Ministry of the Environment

Measurements recorded in: Metric Imperial

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

Well Record

Regulation 903 Ontario Water Resources Act

Page / of Z

Well Own	er's Information	医制度					<i>CHARANTE</i>	10/61			
First Name	Las	st Name / O	rganization			E-mail Address	3				onstructed I Owner
1MI	PERIAL OI	_		0.4	unicipality	Province	Postal Code	T	elephone No	-	
	ress (Street Number/Name					ONTACIO					
	ST. CLAIR AV	ome	ω .	HERE E	TSRONTO	CAUTACIC	\$1416E45E555	HER HAD		Hill	
Well Locat	Well Location (Street Number	ber/Name)	THEFT	То	wnship	*:121P837 F4.14 6422	Lot	C	Concession	12000	
	PROTON STA		LOETH		PROTON		229	/	RANG		
	rict/Municipality			Ci	ty/Town/Village			Province		Postal	Code
GRE	=4				DUNDALK			Onta	r10		
	nates Zone Easting		rthing		unicipal Plan and Sublo	Number		Other			
NAD	8 3 17 5 4 8 7	00 7	8907	09	el force la standilla an an the	heat of this form)	***********	277176	NEW PROPERTY.	\$13.LB	
	n and Bedrock Material		nment Seal		a (see instructions on the		neral Description	ACCURAGE.	**********		h (m/ft)
General Co	lour Most Commo	on waterial		Otric	i Waterialo					rom	То
						_					
	+ WELLS	DECO	MMIS	310M	EX PER A	ZG 905, Z	٠ /				
					REMOVED			100	E		
	Par 16		man a		U/BENTON	18					
	- BOKE HOL	LES	Scarce	4 0	of section	100					
	- No WE	ca	TAKE	Mes	ESENT.						
					13.15						
			2-1				Decular of W	II Vial	d Tanting	33146	10001161065
David Ca	4 -4 ((0)	Annular		Manager	Volume Placed	After test of well yie	Results of We		aw Down	R	ecovery
Depth Se From		Type of Sea (Material an			(m³/ft³)	Clear and san			Water Level		Water Level
4	67 1					Other, specify	r	(min)	(m/ft)	(min)	(m/ft)
	B.Z Cover					If pumping disconti	nued, give reason:	Static Level			
0,2	611 BENS	EAL						1		1	
	6.1 EOM					Pump intake set a	it (m/ft)	2		2	
								-		-	
*****	1 - (0 (1 (1 (1 (1	***		Well Us		Pumping rate (I/mi	in / GPM)	3		3	
The state of the s	nod of Construction	Put	hlic	Commer				4		4	
Cable To	Conventional) Jetting			Municipa		Duration of pumpi		5		5	
Rotary (R	Reverse) Driving	1.1 10 10 10 10 10 10 10 10 10 10 10 10 10		Test Hol		hrs +	min				
Boring	Digging	☐ Irriq		Cooling	& Air Conditioning	Final water level er	nd or pumping (mm)	10		10	
☐ Air percu ☐ Other, sp			ner, specify _			If flowing give rate	(l/min-/ GPM)	15		15	
	Construction Re	cord - Cas	sing	100000111	Status of Well	li noming give rate	,,	20		20	
Inside	Open Hole OR Material	Wall	Depth	(m/ft)	☐ Water Supply	Recommended po	ump depth (m/ft)	20			
Diameter (cm/in)	(Galvanized, Fibreglass, Concrete, Plastic, Steel)	Thickness (cm/in)	From	То	Replacement Well			25		25	
	4.40			4.	Test Hole Recharge Well	Recommended po (Vmin / GPM)	ump rate	30		30	
5.0	PVC		0,0	1.0	Dewatering Well	(BITALLY OF MY		40		40	
					Observation and/or Monitoring Hole	Well production (I	/min / GPM)	1 40			
					Alteration	Disinfected?		50		50	
<i>-</i>					(Construction) Abandoned.	Yes No		60		60	
NAME OF TAXABLE PARTY.	0 4 4 5	1 0-	CAST PROPERTY OF	CHIEFFE	Insufficient Supply	NAME OF TAXABLE PARTY.	Map of W	lell Loc	ation	27223	1211111111111
Outside	Construction Re	ecora - Scre	Depth	(m/ft)	Abandoned, Poor Water Quality	Please provide a n				ack.	
Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	From	То	X Abandoned, other,	1					
	A .		4		specify	1 0					
6.3	Pre		\$10	6-1	Other, specify	14			#		
						'\			1565	1	
04000	Water Det	ails	GENERALIS.	Н	lole Diameter	3			cce	1	
Water four	nd at Depth Kind of Water	r. y Fresh	Untested	, ,	th (m/ft) Diameter	11 1		r			
1,2 (1	n/ft) Gas Other, spe	cify		From	To (cm/in)	57.	Ø	0	-		N 57°.
	nd at Depth Kind of Water		Untested			"	dz i	1	PI	2070	10 87.
	n/ft) Gas Other, spe		Untrated			~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	TEN				
	nd at Depth Kind of Water		Untested			81		Į.			
(11	n/ft) Gas Other, spe		Tachnicia	n Informa	tion	il °r	62an	7			
Business N	Well Contractor	and Well	Technicia	n informa	ell Contractor Licence No.	'		1			
	lame of Well ContractorN SOIL SAMPLIN			,		1					
Business A	Address Aspea Neba Os	ene)		Mu	MARK	Comments:	1 1				
_				leans I s a s	il com	N	OR AS	TA	CHED		
Province ONTAR	Postal Code V	2 Busines	onle@	OPICS)II.COIII					ter II	o Only
						information	ate Package Delive	red	Audit No.	try Us	e Only
9 0 5 6	one No. (inc. area code) Na 3 6 0 0 5 0 1	ARC	HIBALI	J, AU	st Name)	package delivered	YYYMM	_		8	5200
	cian's Licence No. Signature	of Technici	an and/or Co	ontractor Da	ite Submitted	Yes	ate Work Complete		DE	C 1	7 2008
	A	per.	Cere	2	DOG YZOS	№ No	008 4K	25	Received	1919	
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Ontario Ministry of the Environment	Well Tag No. (Place Sticker ar		Well Record
Measurements recorded in: Metric Imperial	140		Page of
Well Owner's Information First Name Last Name / Organization	n	E-mail Address	T Well Constructed
Imperial Oil Ltd			☐ Well Constructed by Well Owner
Mailing Address (Street Number(Name)	Municipality	Province Postal Code	
40 Wyntord Drive	loronto	Ont MBCI	K54164417862
Well Location /			I Commented
Address of Well location (Street Number/Name)	Township	Lot	Concession
County/District/Municipality	City/Town/Village		Province Postal Code
GREY	Dundalk		Ontario
UTM Coordinates Zone Easting Northing	Municipal Plan and Sublo	ot Number	Other
NAD 8 3 1 7 5 4 3 2 6 0 4 8 9 0 6	289		
Overburden and Bedrock Materials/Abandonment Sec	0		Depth (m/ft)
	NO ROTA Meterials	SEAL Gargeral Poscription	From To
1 17/543260 4	1840289	Bentonite	0'15
2 17/543263 4	890285	Bentonite	0'15'
. ,			
•			
Annular Space		Paculte of W	ell Yield Testing
Depth Set at (m/ft) Type of Sealant Used	Volume Placed	After test of well yield, water was:	Draw Down Recovery
From To (Material and Type)	(m³/ft³)	Clear and sand free	Time Water Level Time Water Level
		Other specify	(min) (m/ft) (min) (m/ft) Static
		If pumping discontinued, give reason:	Level
			1 1
		Pump intake set at (m/h)	2 2
Method of Construction	Well Use	Pumping rate (Vmin / GPM)	3 3
Cable Tool Diamond Public	☐ Commercial ☐ Not used	Duration of pumping	4 4
☐ Rotary (Serventional) ☐ Jetting ☐ Domestic ☐ Rotary (Reverse) ☐ Driving ☐ Livestock	Municipal Dewatering	hrs + min	5 5
☐ Rotary (Reverse) ☐ Driving ☐ Livestock ☐ Boring ☐ Digging ☐ Irrigation	Coeffing & Air Conditioning	Final water level end of pumping (m/fi	10 10
☐ Air percussion ☐ Industrial			
Other, specify Other, specify		If flowing give rate (I/min / GPM)	15 15
Construction Record - Casing	Status of Well th (m/ft) Water Supply	Decommended number doubt (m/lll)	20 20
Diameter (Galvanized, Fibreglass, Thickness	th (m/ft) Water Supply Replacement Well	Recommended pump depth (m/ft)	25 25
(cm/in) Concrete, Plastic, Steel) (cm/in) From	☐ Test Hole	Recommended pupip rate	
	Recharge Well Dewatering Well	(I/min / GPM)	30 30
	Observation and/or	Well production (I/min / GPM)	40 40
	Monitoring Hole Alteration		50 50
	(Construction)	Disiplected? Yes No	60 60
	Abandoned, Insufficient Supply		
Construction Record - Screen	Abandoned, Poor Water Quality	Please provide a map below following	/ell Location
Diameter (Crown) (Plastic, Galvanized, Steel) Slot No. From	To Abandoned, other,	D	
(Green)	Not in Use	14	
	Other, specify	ζ +'	
Water Details	Hole Diameter	+ House	
Water found at Depth Kind of Water: Fresh Untested		0 165	+2
(m/lt) Gas Other, specify		n Proton	
Water found at Depth Kind of Water Fresh Untested		St	
(m/ft) ☐ Gas ☐ Other, specify Water found at Depth Kind of Water: ☐ Fresh ☐ Untested			
(fn/ft) Gas Other, specify		St.	
Well Contractor and Well Technicia	an Information		
Business Name of Well Contractor	Well Contractor's Licence No.	W.	
Atcost Soil Drilling	6032		
Business Address (Street Number/Name)	Municipality	Comments:	
Provinge Postal Code Business E-mail Ada	drace	Consultant H	azco
Provinge J Postal Code Business E-mail Add	,	Well owner's Date Package Deliver	
Bys.Telephone No. (inc. area code) Name of Well Technician ((Last Name, First Name)	information	Audit No.
015/10/10/10		delivered Date Work Completes	
Well Technician's Licence No. Signature of Technician and/or Co		Yes	DEC 0 3 2010
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1/ Intario the Environment	ag No. (Place Sticker and	or Print Below)	Regulation	Wan 903 Ontario Wa		
Well Owner's Information				rage		
First Name Last Name / Organization		E-mail Address		(Well Constr	
Imporiar Dir Ltd Mailing Address (Street Number/Name)	Municipality	Province	Postal Code		No. (inc. area o	code)
90 WYNFORD UR	TORONTO	ONT	M361	K54164	14178	62
Well Location Address of Well Location (Street Number/Name)	Township		Lot	Concessio	n	
165 PAOTON ST.W.	City/Town/Village					
County/District/Municipality G REY				Ontario Province	Postal Code	
UTM Coordinates Zone Easting Northing	Municipal Plan and Sublot I	Number		Other		
NAD 8 3 1 7 543 26 4 48 90 28 3 Overburden and Bedrock Materials/Abandonment Sealing Rec	ord (ene instructions on the h	ack of this form)	*********	(1229)(1920)(1230)		585.6931
	ther Materials		ral Description		Depth (m/)	nt) To
05	com					
(1) Puce 2 INTER PLASTIC		OR IN ATT	, BACK	Fice	0 1	40
FROM 140' - 3716"	WITH SAND	, 1º BB	MUNI	n		
chips, GROUT up it						
BENTONITU Chips	STATIC WA	TER TAB	LU AT	37.6"		
Annular Space	Value Placed	After test of well yield,		Draw Down		D/
Depth Set at (m/ft) From To Type of Sealant Used (Material and Type)	(m3/113)	Clear and sand f		Time Water Lev		Level
Between Chips		Other, specify f pumping discontinue	d give reason:	(min) (m/ft) Static	(min) (m	/ft)
1 Spedy		r partiping discontinue	su, give reason.	Level	1	_
		oump intake set at (r	n/ft)	1	1/	
		amp mane out at p		2	2/	
Method of Construction Well U	Jse	umping rate (I/min /	GPM)	3	/3	
Cable Tool Diamond Public Comm		Duration of pumping		4	4	
□ Rotary (Reverse) □ Driving □ Livestock □ Lest b	lole Monitoring		nin	5	5	
☐ Boring ☐ Digg ☐ Irrigation ☐ Coolin ☐ Air percussion ☐ Industrial	g & Air Conditioning	Final water level end o	r pumping (m/tt)	10	10	
Other, specify Other, specify		f flowing give rate (l/r	nin / GPM)	1/5	15	
Construction Record - Casing Inside Open Hole OR Material Wall Depth (m/ft)	Status of Well Water Supply	Recommended pump	depth (m/th)	20	20	
Diameter (Galvanized, Fibreglass, Thickness (cm/in) Concrete, Plastic, Steel) (cm/in) From To	Replacement Well		/	25	25	
	Recharge Well	Recommended pump Vmin / GPM)	rate	30	30	
DECOM	Dewatering Well Observation and/or	Well production (I/min	/ GPMI	40	40	
	Monitoring Hole Alteration		, Grini,	50	50	
	(Construction)	Disinfected? Yes No		60	60	
Construction Record - Screen	Insufficient Supply Abandoned, Poor	BARAGARAN BARA	Map of W	ell Location	7	
Outside Diameter Material Diameter (Plastic, Galvanized, Steel) Slot No. From To		Please provide a map	below following	instructions on the	back.	1
(cm/in) (Plastic, Galvanizeo, Steel) From To	specify,	0		-	,	
9	Other, specify	Are		ARCA	20	
			エー	2	28.85	
	Hole Diameter pth (m/ft) Diameter	ono r	90		55	
(m/ft) Gas Other, specify From	To (cm/in)	1 3	20	while.		0
Water found at Depth Kind of Water: Fresh Untested				0	h	1
Water found at Depth Kind of Water: Fresh Untested					1	2
(m/ft) Gas Other, specify	1	-				13
Well Contractor and Well Technician Inform Business Name of Well Contractor	ation Vell Contractor's Licence No.					
ATCOST DRILLING	6032	Cour	ry R	00) 9		
		Comments:		10A	202	
Province Postal Code Business E-mail Address	Augus	HAZCO		. "		
ONT LYKING inso adress,	rdrilling, com	Vell owner's Date P	ackage Delivere	-	stry Use Only	/
Bus. Telephone No. (inc. area code) Name of Well Technician (Last Name of Well Technican (Last Name of Well Technician (Last Name of Well Technician (Last N	, First Name)	ackage lelivered	YIYMM	Audit No.	10889	38
Well Technician's Licence No. Signature of Technician and/or Contractor D	ate Submitted	Yes Date V	Vork Completed	UE	0 3 20	10
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Well Record

Regulation 903 Ontario Water Resources, Act Page_

Well Tag No. A 089996 the Environment 1-089996 Measurements recorded in: Metric Imperial

		on (Street Nur	nber/Name)		Т	ownship		Lot		Concessi	on	
サフフン						PROTON		220		- 1	10	10.1
County/Dist		pality			C	city/Town/Village			Ont		27 -26-75	al Code
GRE 7		Continu	N.	orthing		DUMDALII funicipal Plan and Suble	at Manuface		Other	агто	No	0130
						iunicipal Flan and Subi	ot Number		Other			
		75474				rd (see instructions on the	hand of this formal	-				
General Co		Most Comm				er Materials		al Description		222222		pth (m/m)
General Co			1000000		Out	er materials	Gellor	ar Description			From	To
	1	OP Sois									0	. 3
BROW	M C	LAY		5	TONES	* ROCKS					, 3	15,9
COEL	1	110			TONE						15.	29.6
	36 36.5				, . , . , .						STOP IN A ST	
157/BRO	our Ci	IMAST.	ONE				MITERMIXE	=0	433.12	30000	29.6	32.3
												5
				4.0								
- 1 - 1 CV		TA FREEZ TRAIL	Annulai	Space		at Constitution	R	esults of W	ell Yie	d Testin	a	
Depth Se	et at (m/#)	100000000000000000000000000000000000000	Type of Se			Volume Placed	After test of well yield, v		-	aw Down	-	Recovery
From	То		(Material as	nd Type)		(m³/#²)	Clear and sand from	ee		Water Le		
0	13	BENTON	1176	Scuni	2 2	. 3	Other, specify		(min) Static	(m/衛)	(min)	9,16
		100000	4.1	-			If pumping discontinued	d, give reason:	Level	7,28		1116
									1	8.18	1	8.18
							Pump intake set at (m	伊	2	22	2	8.08
							12.		1	8.36		
11-41-		- Annual -	200 200 200		Mall He	THE STATE OF THE S	Pumping rate (I/min / C	GRAM)	3	8.46	3	8.02
Cable To		nstruction	ПРИ	the same of	Well Us		45		4	8.50	4	7.95
	Conventional	Diamond Diamond	Long Co.	omestic	Municip		Duration of pumping			343		100000
Rotary (R		Driving		vestock	Test Ho		/ hrs + 0 m		5	8.6.	2 5	7.92
Boring		Digging		gation	☐ Cooling	& Air Conditioning	Final water level end of		10	8.7	7 10	7.75
Air percu				dustrial her, specify			9.16		45			
_ outer, ap		material D				Chatan at Wall	If flowing give rate (l/m	nin / GPM)	15	0.0	7 13	7.68
Inside		nstruction R	Wall	1	(m/ft)	Status of Well Water Supply	Recommended pump	donth (m/#)	20	8,90	20	7.62
Diameter	(Galvanize	ed, Fibreglass,	Thickness	From	То	Replacement Well	12.2 h		25	8.90	7 25	7.57
(cm/ln)	Concrete,	Plastic, Steel)	(cm/m)	100000000000000000000000000000000000000		Test Hole	Recommended pump			-		1.7.
16.0	STE	EL	. 5	+ 8	30,7	Recharge Well Dewatering Well	(Vmin / GPM)	26Pm)	30	9.02	30	7.53
				30.7	32.3	Observation and/or	Well production (Vmin	-	40	9.10	9 40	7,49
				,,	200	Monitoring Hole	Twen production (smill)	, or my	50	9,12	50	7.40
					Br. A.C.	(Construction)	Disinfected?		-	Figure Wall	-	1,4
			136			Abandoned,	Yes No		60	9,16	60	7.44
SELECTION OF	C	onstruction R	ecord - Scr	een	15 T 2 F 3 F 5 F 5 F	Insufficient Supply Abandoned, Poor	CONTRACTOR OF THE	Map of W	ell Lo	cation		
Outside		laterial		-	n (m/ft)	Water Quality	Please provide a map	below following	instruc	tions on the	back.	
Diameter (cm/in)		alvanized, Steel)	Slot No.	From	То	Abandoned, other,						11
	19.19		199			specify						11/
						Other, specify						
												11.
		Water De	tails	E STATE	H	lole Diameter						0
		Kind of Wate		Untested	Dep	th (m/#) Diameter						-
		Other, spe							450			1/2
		Kind of Wate		Untested	0	6,4 25.0	8		in		3692	
		Other, spe Kind of Wate		Untostad	6.4	30.7 20.0	50 m					土
		Other, spe		Unitested	30.7	32.3 15.6						
(m				Tankatat			5101	ROTA	220	5		-
Business Na		ell Contractor	and vvei	rechnicia		ell Contractor's Licence No.	-					
	1	IATIV	F.			7121211						11
		eet Number/Na			Mu	inicipality	Comments:		Alleria		7 7 7 7	
	WHE.				0	RAMGEVILLE						
Province		ostal Code	Busines	s E-mail Add						4.54.5		
OMT		101315						ackage Deliver	ed		istry Us	se Only
	one No. (inc.	area code) Na	me of Well			First Name)	information package	YIYMM	plp	Audit No.	110	700
5/19/2	8468	2891	ROADE	00 T Ji	~		Date W	ork Completed	_	Z.	118	100
Well Technici	ian's Licence	No. Signature	of Technici	an and/or Co	ontractor Da	1 1 -1 1	Yes			Al	G 1	9 2011
0 3			model	1001	K	0110114		MMAG	20	Received		
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Measurement	IIIdIIO the E	try of nvironment Metric Almperia	T	g No. (Place Sticker a ag #: A16		Regulatio	n 903 Ontario Pa	1	
First Name	ner's Information TERSE Iress (Street Number No. 1) HALE Option	Last Name / Organiz PMC) / O ame) RESCENT	21771	UT ONTARIO Municipality MAPLE	O/N/C Provi				
Address of County/Dis OUN UTM Coordi	Well Location (Street No. 15) trict/Municipality Ty of Realing Realing 8 3 1 4 5 4 4	4f of Soith Ly Northing 1871 188	1450 1450	Cownship Ormer tshp of City/Town/Village Dun 1 Ai Municipal Plan and Suble E 541975	Rown Number 18910	101 22 j	Province Ontario Other	Postal NOC	2W Code BO
General Co		rials/Abandonment mon Material		ord (see instructions on the ner Materials	1	eral Description	1	Depti	h (m/ft) To
Brown	5:16 Swad	and gravel	Clay	y	Comp	encl to	v dense.	٥	20
	"cluste	r of 10	o piez	rometer i	installa Fi	ons "			
Denth Se	et at (m/ft)	Annular Space Type of Sealant Us		Volume Placed	After test of well yield		ell Yield Testi		ecovery
From 1	То	(Material and Type)		(m³/ft³)	☐ Clear and sand ☐ Other, specify	A CONTRACTOR OF THE PROPERTY O	Time Water L (min) (m/f	evel Time \	
Q	8 Sa	nel 1			If pumping discontinu	ued, give reason:	Static Level		
0	C Ge	wonit	•				1	1	
					Pump intake set at	(m/ft)	2	2	
Meth	nod of Construction		Well Us	se	Pumping rate (l/min	/ GPM)	3	3	
Carble To	ool Diamor	nd Public Domestic	☐ Comme		Duration of pumping	9	4	4	
Rotary (F	the search country of the search of the sear	Livestock	☐ Test Ho		hrs + Final water level end	min of pumping (m/h)	5	5	
Air percu	ssion	☐ Industrial ☐ Other, spec		a rui cordinoming			10	10	
Other, st	•	Record - Casing	шу	Status of Well	If flowing give rate (I	l/min / GPM)	15	15	
Inside Diameter	Open Hole OR Material (Galvanized, Fibreglass,	Wall D	epth (m/ft)	☐ Water Supply ☐ Replacement Well	Recommended pun	depth (m/ft)	20	20	
(cm/in)	Concrete, Plastic, Steel)	(cm/in) From		Test Hole Recharge Well	Recommended pun	np rate	30	30	
1	Plastic	L.	5 10	─ Dewatering Well	(I/min / GPM)		40	40	
				Observation and/or Monitoring Hole Alteration	Well production (I/m	nin / GPM)	50	50	
				(Construction)	Disinfected? Yes No		60	60	
	Construction	Record - Screen		Insufficient Supply Abandoned, Poor		Map of W	/ell Location		
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Stee	Clot No	Depth (<i>m/ft</i>)	Water Quality Abandoned, other,	Please provide a ma	p below following	instructions on t	he back.	7
2	Plastic	10	02 0	specify Other, specify	**	*	+	+	
Water foun (m: Water foun (m: Business N:	Water D d at Depth Kind of Water B Gas Other, sy d at Depth Kind of Water (htt) Gas Other, sy d at Depth Kind of Water (htt) Gas Other, sy Well Contract (ame of Well Contractor (b) Other Sy Well Contractor (c) Other Sy Well Contractor (ddress (Street Number/N	er: VFresh Unte	sted Dep From Sted Sted Sted MA	Hole Diameter Ith (m/Ø) To Convo? Convo. Comments;	16 3/60 Bres	S7.	Artematic St.	Only	
ON	XMIF	1) inti	broke	nsoll. Cam	Well owner's Date information	Package Deliver	ed M Audit N	inistry Use	Only



Map: Well records

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

Full dataset is available in the Open Data catalogue (https://data.ontario.ca/dataset/well-records).

Go Back to Map

Well ID

Well ID Number: 7285238 Well Audit Number: *Z251816* Well Tag Number: *A210321*

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

Well Location

Township	PROTON TOWNSHIP
Lot	
Concession	
County/District/Municipality	GREY
City/Town/Village	Southgate
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 17 Easting: 547796.00 Northing: 4890661.00
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	SLTY		0 ft	15 ft
BRWN	SAND	SLTY	CLAY	15 ft	20 ft
GREY	CLAY	BLDR		20 ft	25 ft

Annular Space/Abandonment Sealing Record

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

Method of Construction & Well Use

Method of Construction	Well Use
Other Method	

AUGER	Monitoring

Status of Well

Observation Wells

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
2 inch	PLASTIC	0 ft	15 ft

Construction Record - Screen

Outside	Material	Depth	Depth
Diameter		From	To
2.5 inch	PLASTIC	15 ft	25 ft



Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7360

Results of Well Yield Testing

After test of well yield, water was	
If pumping discontinued, give reason	
Pump intake set at	
Pumping Rate	
Duration of Pumping	
Final water level	
If flowing give rate	
Recommended pump depth	

Recommended pump rate	
Well Production	
Disinfected?	

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	

10	10	
15	15	
20	20	
25	25	
30	30	
40	40	
45	45	
50	50	
60	60	

Water Details

|--|

Hole Diameter

Depth From	Depth To	Diameter
0 ft	25 ft	3 inch

Audit Number: Z251816

Date Well Completed: November 17, 2016

Date Well Record Received by MOE: April 13, 2017

Related

How to use a Ministry of the Environment map (https://www.ontario.ca/page/how-use-ministry-environment-map#wells)

Technical documentation: Metadata record (https://data.ontario.ca/dataset/well-records/resource/3031344e-e3f2-48d5-888c-c1deadfd2f77)

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Map: Well records

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Full dataset is available in the Open Data catalogue (https://data.ontario.ca/dataset/well-records).

Go Back to Map

Well ID

Well ID Number: 7285242 Well Audit Number: *Z251811* Well Tag Number: *A210296*

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

Well Location

|--|

Township	PROTON TOWNSHIP
Lot	
Concession	
County/District/Municipality	GREY
City/Town/Village	Southgate
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 17 Easting: 547335.00 Northing: 4891170.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
GREY	SAND	SILT	SOFT	0 ft	15 ft
BRWN	SAND	GRVL	HARD	15 ft	25 ft

Annular Space/Abandonment Sealing Record

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

Method of Construction & Well Use

Method of Construction	Well Use
Other Method	
AUGER	Monitoring

Status of Well

Observation Wells

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
2 inch	PLASTIC		

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
2.5 inch	PLASTIC		

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7360

Results of Well Yield Testing

After test of well yield, water was	
If pumping discontinued, give reason	
Pump intake set at	
Pumping Rate	
Duration of Pumping	
Final water level	
If flowing give rate	
Recommended pump depth	
Recommended pump rate	

Well Production	
Disinfected?	

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	

15	15	
20	20	
25	25	
30	30	
40	40	
45	45	
50	50	
60	60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter
0 ft	25 ft	6 inch

Audit Number: Z251811

Date Well Completed: November 15, 2016

Date Well Record Received by MOE: April 13, 2017

Related

How to use a Ministry of the Environment map (https://www.ontario.ca/page/how-use-ministry-environment-map#wells)

Technical documentation: Metadata record (https://data.ontario.ca/dataset/well-records/resource/3031344e-e3f2-48d5-888c-c1deadfd2f77)

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Map: Well records

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Full dataset is available in the Open Data catalogue (https://data.ontario.ca/dataset/well-records).

Go Back to Map

Well ID

Well ID Number: 7305297 Well Audit Number: *Z243695* Well Tag Number: *A213693*

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

Well Location

Township	PROTON TOWNSHIP
Lot	
Concession	
County/District/Municipality	GREY
City/Town/Village	DUNDALK
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 17 Easting: 547926.00 Northing: 4890744.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General	Most Common	Other	General	Depth	Depth
Colour	Material	Materials	Description	From	To

Annular Space/Abandonment Sealing Record

Depth	Depth	Type of Sealant Used	Volume
From	To	(Material and Type)	Placed
135 ft	-12 ft	HOLEPLUG	

Method of Construction & Well Use

Method of Construction	Well Use
	Not Used

Status of Well

Abandoned-Other

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 6634

Results of Well Yield Testing

After test of well yield, water was	
If pumping discontinued, give reason	
Pump intake set at	
Pumping Rate	
Duration of Pumping	
Final water level	
If flowing give rate	
Recommended pump depth	
Recommended pump rate	
Well Production	

Disinfected?	
Disiniected:	

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	

Map: Well records | ontario.ca

20	20	
25	25	
30	30	
40	40	
45	45	
50	50	
60	60	

Water Details

Water Found at Depth	Kind

L				
-				

Hole Diameter

Depth From	Depth To	Diameter

Audit Number: Z243695

Date Well Completed: March 07, 2017

Date Well Record Received by MOE: February 13, 2018

Related

How to use a Ministry of the Environment map (https://www.ontario.ca/page/how-use-ministry-environment-map#wells)

Technical documentation: Metadata record (https://data.ontario.ca/dataset/well-records/resource/3031344e-e3f2-48d5-888c-c1deadfd2f77)

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0506E (2014/11)

Ministry of the Environment and Climate Change

Well Ta- A Tag#: A 213692

Well Record

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Regulation 903 Ontario Water Resources Act

Measurements recorded in: Metric 46. # A213692 Page Well Owner's Information Last Name / Organization First Name E-mail Address ☐ Well Constructed by Well Owner Mailing Address (Street Number/Name) TINGO Postal Code Telephone No. (inc. area code) Municipality Province Ŵ0G1121 Well Location Concession Address of Well Location (Street Number/Name) Lot Township 23/ 6/PNELG County/District/Municipality tl 57056 City/Town/Village Province Postal Code Municipal Plan and Sublot Number Ontario NOCLE UTM Coordinates | Zone , Easting Northina NAD | 8 | 3 | 1 | 7 | 5 | 4 | 9 | 41819101714 Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form) Depth (m/ft General Description General Colour Most Common Material Other Materials Results of Well Yield Testing Annular Space Type of Sealant Used After test of well vield, water was: Depth Set at (m/ft) Volume Placed Draw Down Recovery Time (Material and Type) (m^3/ft^5) Clear and sand free Time Water Level Water Level (min) (m/ft) Other, specify (m/ft) (min) Statio If pumping discontinued, give reason: Leve 1 1 Pump intake set at (m/ft) 2 2 3 3 Pumping rate (I/min / GPM) Method of Construction Well Use Δ, 4 Cable Tool Not used ☐ Diamond ☐ Public ☐ Commercial Duration of pumping Rotary (Conventional) Jetting Domestic ☐ Municipal Dewatering 5 5 hrs + min Rotary (Reverse) ☐ Driving Livestock ☐ Test Hole ■ Monitoring Boring Final water level end of pumping (m/īt) ☐ Digging Imigation Cooling & Air Conditioning 10 10 Air percussion Industrial Other, specify Other, specify 15 15 If flowing give rate (I/min / GPM) Construction Record - Casing Status of Well 20 Inside Diamete (cm/in) Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel) Wall Thickness Depth (m/ft) ☐ Water Supply Recommended pump depth (m/ft) Replacement Well 25 25 (cm/in) Test Hole Recommended pump rate Recharge Well 30 30 (I/min / GPM) Dewatering Well 40 40 Observation and/or Well production (I/min / GPM) Monitoring Hole 50 50 Alteration Disinfected? (Construction) Yes No 60 П Abandoned. Insufficient Supply Map of Well Location Construction Record - Screen Abandoned, Poor Please provide a map below following instructions on the back. Outside Depth (m/ft) Water Quality Material Diameter Slot No. ☐/Abandoned, other, (Plastic, Galvanized, Steel) (cm/in) specify UOTUSED Other, specify Water Details Hole Diameter Water found at Depth Kind of Water: Fresh Untested Depth (m/ft) From (cm/in) (m/ft) Gas Other, specify Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify Well Contractor and Well Technician Information Business Name of Well Contractor Well Contractor's Licence No. Business Address (Street Number/Name) 621/e 1 Comments Municipality AR#1 314023 HWY#6 Postal Code Business E-mail Address Well owner's information WIARIO <u> Magalika</u> Date Package Delivered Ministry Use Only Bus.Telephone No. (inc. area code) Name of Well Technician (Last Name, First Name) Audit No. **2**243696 2017/03/05 package ell Technician's Licence No. Signature of Technician and/or Contractor Date Submitted delivered Date Work Completed Yes FEB 1 3 2018 /19 10/1 No 20 / FUMBLE

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Ontario
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Ministry of the Environment and Climate Change

Well Tag No. (Place Sticker and/or Print Below) A264297

Well Record rio Water Resources Act of Page

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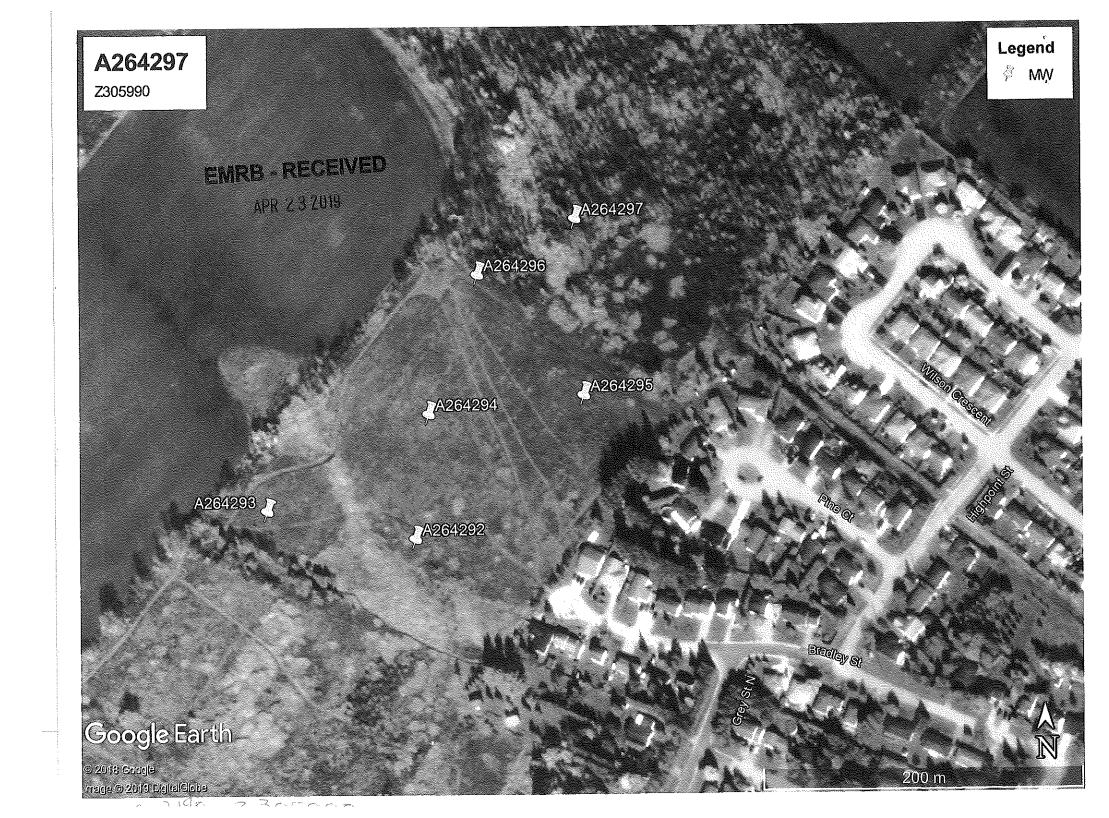
Imperial

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2570970	ONTARIO	INC

220789855	ocation (Street Numb	per/Name)	To	ownship	D+1NT	Concession	ON SWTSR
County/District/Mi	unicipality ı	<u> </u>	С	ity/Town/Village		FIGURE	Postal Code
UTM Coordinates	1 COUNTU	. Northing		UV NVT Iunicipal Plan and Sublot	Number	Ontario Other	
NAD 8 3	117/5/4/8/1	S V Northing	1468				- Name and the state of the sta
Overburden an General Colour	d Bedrock Materia Most Comm			rd (see instructions on the er Materials	back of this form) General Description	n	Depth (m/ft) From 16
Mac 4	Rot		Spire	5:11	Sotwared, Swan	уру	0 1
Grey	3:17		Some	Sond	Sat woted, Wat		1 15
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		Annular Space	A		2455 Octobra Color	Vell Yield Testing	- 3/3/14/3/4 Eller (1/1/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2
	То	Type of Sealant Us (Material and Type		Volume Placed (m³/ft³)	After test of well yield, water was:	Time Water Le	
12 8	S14	ca-Sand			Other, specify If pumping discontinued, give reason	(min) (mft) Static Level 2	(min) (m/ft)
8 3	D HY4	PRATED (Berdoni	e	in partipung discontinuous, give reason	1 Level —	1
					Pump intake set at (m/ft)	2	2
					Pumping rate (Vmin / GPM)	3	3
Method Cable Tool	of Construction Diamond	☐ Public	Well Us ☐ Comme	Work Read, Not the Classic Award, a factor, Association of their countries.		4	4
☐ Rotary (Conver	ntional) 🗌 Jetting	☐ Domestic	☐ Municip ☐ Test Hol		Duration of pumping hrs + min	5	5
☐ Boring ☐ Air percussion	Digging	☐ Imigation	Cooling	& Air Conditioning	Final water level end of pumping (m/	10	10
Other, specify	HUGER	Other, spe	cify		If flowing give rate (I/m/n / GPM)	15	15
Inside Or	Construction Roper Hole OR Material		Depth (m/tt)	Status of Well Water Supply	Recommended pymp depth (m/ft)	20	20
Diameter (G	alvanized, Fibreglass, oncrete, Plastic, Steel)	Thickness (cm/in) Fro	1 -	Replacement Well Test Hole		25	25
2	ANC	3/10 /0	13	Recharge Well	Recommended pump rate (I/min / GPM)	30	30
4x4	Steel	1/8"-	1 +3	Observation and/or Monitoring Hole	Well production (Vmin / GPM)	40	40
				Alteration (Construction)	Disinfected?/	60	60
			Andrews of the Address of the Section 1981	Abandoned, Insufficient Supply	Yes No	Well Location	60
Outside	Construction R Material		Depth (<i>m/</i> f)	Abandoned, Poor Water Quality	Please provide a map below follo		n the back.
Diameter (Pla	astic, Galvanized, Steel)	Slot No. Fro	om To	Abandoned, other, specify			
2/1	4VC	-010 K) /0	Other, specify			
Water found at	Water De Depth Kind of Wate	Degramment of a feet of a feet of the feet of the feet of the second difference of the feet of the fee	ested Dep	Hole Diameter oth (m(tt)) Diameter			
	Gas Other, specification		From	To (cm/in)			
(m/ft) [☐ Gas ☐ Other, spe	ecify					
	Depth Kind of Wate		ested				
		or and Well Tech			<u> </u>		^
LONDO	N SOIL TE	ST LTD.	 <i>M</i>	/ell Contractor's Lisence No.	SEE ATTA	EHED 1	YAT
	8 Southgate So		M	lunicipality	Comments.		
	lalk, ON NOC 777 info@lone		il Address		Steel Stick of		
	No. (inc. area code) N		cian (Last Name	e, First Name)	Well owner's Date Package Delivinformation package VIVIVIVITALE	Audit N	nistry Use Only • Z3 0 5 9 9
		WATTS	MIKE		package Y Y Y M 1	ted	
Well Technician's	Licence/No. Signatur	e or reconniciant and	Or contractor	12) 190H (15	= 100 2019104	165 Receive	YPR 2 3 2019

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7331882						
Ontario Ministry of the Environment and Climate Change	Well Tag No. (Place Sticker an	nd/or Print Below)		W	ell R	ecord
Measurements recorded in:	A 264 292		Regulation 90		/	- 1
				Page		of
2570970 ONTARIO INC.						
Address of Well Location (Street Number(Name)	of Bradley St.	7	Lot	Concession	n 7 O J	11 TC0
Vacant property-tyd	OT PVOQUU)T - City/Town/Village	<i>F</i>		C/ C	Postal	U I SK Code
UTM Coordinates Zone , Easting , Northing	Municipal Plan and Sublot	: Number		Intario		
NAD 8 3 175 48052 4891	121710			1207690	000°	505 <u>70</u>
Overburden and Bedrock Materials/Abandonment Se General Colour Most Common Material	Other Materials		al Description		Depti	n (m/ft)
1107 P.	Some Sond	5,5+			From	10
Bom Sil+	Grove 1 Sond	very Oa	NSC		10	20
	***************************************	**************************************				
		- 1,000				
_ Annular Space						
Depth Set at (m/ft) Type of Sealant Used From To (Material and Type)	Volume Placed	After test of well yield, w		Draw Down		covery
20 8 SILICA SAND	(m³/ft³)	☐ Clear and sand fre ☐ Other, specify		ime Water Lev min) (mfti)	el Time V / (min)	Vater Level (m/ft)
8 O HYDRATED BL	utonite	If pumping discontinued	OWE PERSON II	tatic evel		
		Pump intake set at (m/ft		1	1	
				3	3	
Method of Construction □ Cable Tool □ Diamond □ Public	Well Use ☐ Commercial ☐ Not used	Pumping rate (Vmin / GP	" //	4	4	
☐ Rotary (Conventional) ☐ Jetting ☐ Domestic ☐ Rotary (Reverse) ☐ Driving ☐ Livestock	☐ Municipal ☐ Dewatering ☐ Test Hole ☐ Monitoring	Duration of pumping hrs + mi	n	5	5	
☐ Boring ☐ Digging ☐ Irrigation ☐ Air-percussion ☐ ☐ ☐ ☐ Industrial	Cooling & Air Conditioning	Final water level end of	pumping (m/ft)	10	10	
☐ Other, specify ☐ Other, specify		If flowing give rate //min	/GPM)	15	15	
Inside Open Hole OR Material Wall Dept	Status of Well th (mft)	Recommended/pump d		20	20	
(cm(n) Concrete, Plastic, Steel) (cm(n) From	To Replacement Well Test Hole	Recommended pump ra	ato —	25	25	
2" PVC 3/10" 10	Recharge Well Dewatering Well	(I/min / GPI/II)		30	30	
4x9 Steel 48 -1	Monitoring Hole	Well production (Vmin / C	3PM)	50	50	
	Alteration (Construction)	Disinfected?		60	60	
Construction Record - Screen	☐ Abandoned, Insufficient Supply☐ Abandoned, Poor☐		Map of Well		1 1	
Outside Diameter (cm/d0) (Plastic, Galvanized, Steel) Slot No.	Abandoned, Poor Water Quality To Abandoned, other,	Please provide a map	below following	instructions on	the back.	
211 RVC DIX 20	specify					
	Other, specify					
Water Details	Hole Diameter					
Water found at Depth Kind of Water: Fresh Untested (m/ft) Gas Other, specify	Depth (m(ft) Diameter (cm/f0)					
Water found at Depth Kind of Water: ☐ Fresh ☐ Untested (m/ft) ☐ Gas ☐ Other, specify	0 100 8					
Water found at Depth Kind of Water: Fresh Untested	1					
(m/ft) Gas Other, specify	in Information					
LONDON SOIL TEST LTD.	Well Contractor's Licence No.	SFE AT	TACHE	D MA	P	
712078 Southgate Sdrd. 71	Municipality	Comments:	<u> </u>			
Dundalk, ON N0C 1B0 519-455-5777 info@londonsoil.com	dress	STEELS	SIICK (-1 CH31	117	
Bus.Telephone No. (inc. area code) Name of Well Technician	(Last Name, First Name)	information	ckage Delivered		stry Use アクロ	
WATTS M	ickl	package y y y of Date Wo	Y Y M M D			5986
Well Technician's Licence No. Signature of Technician and/or O	entractor Date Submitted	Yes I No	19040	A Received	PR 2 3	2019
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Ministry of the Environment and Climate Change

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

Well Record

Regulation 903 Ontario Water Resources Act

ren ray	NO. (FR	ace Sucke	# d
AZ	640	394	

Page

2570970 ONTARIC	INC
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Address of Well Location (Street Number (Marco)	17-		11-4	10		
Address of Well Location (Street Number/Name)	10	ownship	Ptilot :	Concessi Z	SI SI	UTSR
county/District/Municipality	Ci	City/Town/Village		Province Ontario	Posta	Code
UTM Coordinates Zone Easting Northing	1.0//CT	unicipal Plan and Sublo	t Number	Other		
NAD 8 3 17548 DIGG 489 Overburden and Bedrock Materials/Abandonment	Sealing Recor	d (see instructions on the	e back of this form)			
General Colour Most Common Material	Othe	er Materials	General Description		Dep From	oth (m/60)
Brown Silt			Vary Silty Soil		<u> </u>	5
Brown silt	Grovel	4 Sond	Weter bearing q	rovel motor	15	15
						
Annular Space				ell Yield Testin	- A LA LA LINE S A VINCA DATACLE LINE IN	
Depth Set at (me) From To To (Material and Type)	èd	Volume Placed (m³/ft³)	After test of well yield, water was: Clear and sand free	Draw Down Time Water Le		ecovery Water Level
15 8 SILICA SAME)		☐ Other, specify	(min) (month) Static	(min)	(m/ft)
8 0 HYDRATED BE	whomite		n pumping discontinued, give reason.	Level {	1	
	yr Y		Pump intake set at (m/ft)	2	2	
				3	3	
Method of Construction ☐ Cable Tool ☐ Diamond ☐ Public	Well Use		Pumping rate (Vmin / GP(V))	4	4	
☐ Rotary (Conventional) ☐ Jetting ☐ Domestic	☐ Municipal	I ☐ Dewatering	Duration of pumping hrs + min	5	5	
☐ Rotary (Reverse) ☐ Driving ☐ Livestock ☐ Boring ☐ Digging ☐ Irrigation	☐ Test Hole ☐ Cooling 8	Air Conditioning	Final water level end of pumping (m/ft)	IJ~~~	10	1,5.
☐ Air percussion ☐ Other, specify ☐ Air GLR ☐ Other, specify ☐ Other, specify	ify	<u> </u>	If flowing give rete (l/min / GPM)	15	15	
Construction Record - Casing		Status of Well	II nowing give late (VIIIII) GPW)	20	20	
Diameter (Galvanized, Fibreglass, Thickness	epth (<i>m/ff</i>)/ 1 To	☐ Water Supply ☐ Replacement Well	Recommended pump depth (m/ft)	25	25	
(cm/n) Concrete, Plastic, Steel) (cm/n) From		☐ Test Hole ☐ Recharge Well	Recommended pump rate (I/min / GPM)	30	30	
		Dewatering Well Observation and/or		40	40	
		Monitoring Hole Alteration	Well production (Vmin / GPM)	50	50	
		(Construction) Abandoned,	Disinfected? ☐ Yes ☑ No	60	60	
Construction Record - Screen		Insufficient Supply Abandoned, Poor		ell Location		1500 (500)
Diameter / Diactic Calculated Stool) Stot No	eptin (m/h)	Water Quality Abandoned, other,	Please provide a map below followi	ng instructions o	n the back	С.
21/ 0:10	1 70	specify				
7 4VC 1010 12		Other, specify				
Water Details		ole Diameter				
Water found at Depth Kind of Water: Fresh Unites		n (m/ti) Diameter				
# . (m(ft) ☐ Gas ☐ Other, specify Water found at Depth Kind of Water: ☐ Fresh ☐ Untes		15 87				
(m/ft) Gas Other, specify						
Water found at Depth Kind of Water: ☐ Fresh ☐ Untes (m/ft) ☐ Gas ☐ Other, specify	sted					
Well Contractor and Well Technic	andeles de automáticas de la financia de la financia.					
LONDON SOIL TEST LTD.	W <u>ell</u>	Contractor's License No.	SEE ATTACK	D MA	\mathcal{P} .	
712078 Southgate Sdrd. 71	Mur	nicipality	Comments:			
Dundalk, ON NOC 1B0	Address	/-1//**********************************				
519-455-5777 info@londonsoil.com Bus.Telephone No. (inc. area code) Name of Well Technicia	on /I out Note:	First Name	Well owner's Date Package Delivere		istry Us	
IIIIII WATO	MIKS	·	package Y Y Y Y M M Date Work Completed		~3U	5989
Well Technician's Licence No. Signature of Technician and Jer	Contractor Date	e Submitted	Yes Date Work Completed	AEL A	PR 2 3	2019
0506E (2014/11)	7 · U	الاستال المالك المالك المالك المالك المالك المالك المالك المالك المالك المالك المالك المالك المالك المالك الم Ministry's Copy				or Ontario, 2014



Ministry of the Environment and Climate Change

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

Well Record

Regulation 903 Ontario Water Resources Act

Page

2570970 ONTARIO INC.

Address of Well Location (Street Number/Name)	Township 500+6	ATE. BILL	Concession	SWTSR
County/District/Municipality	City/Town/Village		Province Ontario	Postal Code
UTM Coordinates Zone Easting Northing	Municipal Plan and Sublot	Number	Other	
UTM Coordinates Zone Easting Northing NAD 8 3 1 5 9 1 9 9 9 9 Overburden and Bedrock Materials/Abandonment Se			42.070	<u>900050570</u>
General Colour Most Common Material	Other Materials	General Description		Depth (m/#)
Oark Brown 5)17	ane Sond	Soft Tapsoil Soil	tyre	6 3
Brown browel 5	filt & Sand	Compact Water 1	Genna	3 20
5.			J	
·				

				:
Annular Space		Results of We	ell Yield Testing	1
Depth Set at (m/h) From To Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)	After test of well yield, water was: ☐ Clear and sand free	Draw Down Time Water Leve	Recovery Time Water Level
20 8 SILILASAND		Other, specify	(min) (m(ft)) Static 1	(min) (m/ft)
8 0 HTURATED B	entente	If pumping discontinued, give reason:	Level 1	
		Pump intake set at (m/ft)	2	2
			3	3
Method of Construction	Well Use	Pumping rate (<i>l/min / GPII</i> I)	4	4
☐ Cable Tool ☐ Diamond ☐ Public ☐ Rotary (Conventional) ☐ Jetting ☐ Domestic	Commercial Not used Municipal Dewatering	Duration of pumping / min	5	5
☐ Rotary (Reverse) ☐ Driving ☐ Livestock ☐ Boring ☐ Irrigation	☐ Test Hote ☐ Monitoring ☐ Cooling & Air Conditioning	Final water level end of pumping (m/ft)		10
☐ Air percussion ☐ Industrial ☐ Other, specify ☐ Other, specify		If flowing give rate (I/min / GPM)	15	15
Construction Record - Casing	Status of Well	/	20	20
Inside Open Hole OR Material Wall Dept Diameter (Galvanized, Fibreglass, Conf.) Concrete, Plastic, Steel) (cm/h) From	th (m(n) Water Supply To Replacement Well	Recommended pump depth (m/ft)	25	25
2/1 PVU 3/10" 10	☐ Test Hole ☐ Recharge Well	Recommended pump rate (Vmin / GPM)	30	30
9110	Dewatering Well Observation and/or	Well production (I/min / GPM)	40	40
	Monitoring Hole Alteration	,	50	50
	(Construction) Abandoned,	Disinfected?	60	60
Construction Record - Screen	Insufficient Supply Abandoned, Poor		ell Location	
Outside Diarneter (cm(n)) (Plastic, Galvanized, Steel) Slot No. From	ih (<i>mft</i>) Water Quality To Abandoned, other,	Please provide a map below following	ng instructions on t	he back.
211 PUC 010 20	specify			
N - 1010 B	☐ Other, specify	MA CONTRACTOR OF THE CONTRACTO		
Water Details	Hole Diameter			
Water found at Depth Kind of Water: ☐ Fresh ☐ Untested	Depth (m/ft) Diameter From To (cm/fb)			
Water found at Depth Kind of Water: Fresh Untested	5 30 8"			
(m/ft) ☐ Gas ☐ Other, specify				•
(m/ft) Gas Other, specify				
Well Contractor and Well Technicia	in Information Well-Contractor's Licence_No.	C++ A GIA	· · · ·	4 ^
LONDON SOIL TEST LTD.	11190	JEE ATTAG	HED MY	H.
712078 Southgate Sdrd. 71 Dundalk, ON NOC 1B0	Municipality	Comments:		
519-455-5777 info@londonsoil.com	dress	Mall august Day Day Day	Ingrovens (* 1880)	The state of the s
Bus.Telephone No. (inc. area code) Name of Well Technician		Well owner's Date Package Delivered information package		try Use Only -305988
Well Technician's Licence No. Signature of Jechnician and/or C	MILL Submitted	delivered Y Y Y M M Date Work Completed		IPR 2 3 2019
C Signature of Secretarian and or C	6 20190415	1019BH	Received	r 3 r 118
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Ontari	Ministry of the Environment	Well Tag No. (Place Sticker a	and/or Print Below)		Well Record
Measurements reco	orded in: ☐ Metric ☐ Imperial	4264295			o Water Resources Act Page / of /
2570970 ONTA	RIO INC.				
A data an of Mark I are	tion (Const.)				
END OF	ation (Street Number/Name)	Township		PTLOTZZI Cond	ession 2SWTSR
County/District/Munic	inality (8 UN Ly	City/Town/Village	W AT IL	Province Ontario	Postal Code
UTM Coordinates 20		Municipal Plan and Subl	ot Number	Other	
Overburden and B	edrock Materials/Abandonment S	Sealing Record (see instructions on the			
General Colour	Most Common Material	Other Materials	Gene	ral Description	Depth (mft) From To
Brown	5:17	Growel & Sancil	Water lees	rina f Compact	5 2
				7	

				· · · · · · · · · · · · · · · · · · ·	
				1000	AIR.
Depth Set at (m/ff)		d Volume Placed	After test of well yield,	Results of Well Yield Tes water was: Draw Do	
Prom To	(Material and Type) Silvica Sani	(m³/ft³)	☐ Clear and sand fr ☐ Other, specify	ree Time Wate	r Level Time Water Level
80	HYURATED S	Bentente	If pumping discontinue	d, give reason/ Static Level	7
				1	1
			Pump intake set at (m/	´ / ' _	2
Method of C ☐ Cable Tool	onstruction Diamond Public	Well Use ☐ Commercial ☐ Not used	Pumping rate (l/min / G	PM) 3 4	3 4
Rotary (Conventions		☐ Commercial ☐ Not used ☐ Municipal ☐ Devratering ☐ Test Hole ☐ Monitoring	Duration of pumping hrs +	nin 5	5
☐ Boring ☐ Air percussion	☐ Digging ☐ Irrigation ☐ Industrial	Cooling & Air Conditioning	Final water level end of		10
Other, specify	Other, specify	,	If flowing give rape (Vmin	n/GPM) 15	15
Inside Open Ho		Status of Well pth (mfi) ☐ Water Supply	Recommended pump	depth (m/fi) 20	20
Diameter (Galvania (cm/inf) Concrete	zed, Fibreglass, e, Plastic, Steel) (cm(i) From	Replacement Well Test Hole	Recommended pump	25	25
0 P	VE 3/16" 34	Recharge Well	(Vmin / GPM)	30	30
	· ·	Observation and/or Monitoring Hole	Well production (I/min /	GPM) 40 50	50
		Alteration (Construction) Abandoned.	Disinfected?	60	60
C	onstruction Record - Screen	Insufficient Supply Abandoned, Poor	100 Ave	Map of Well Location	
	Material Slot No. De Salvanized, Steel)	pth (m/ti) Water Quality To Abandoned, other,	Please provide a map	below following instruction	s on the back.
2/1 P	VC 20	specify			
*		Other, specify	Managarita de la companya del companya de la companya del companya de la companya del companya de la companya de la companya de la companya del companya de la companya dela companya de la companya dela companya dela companya de la		
Water found at Deoth	Water Details Kind of Water: Fresh Unteste	Hole Diameter			
(m/ft) Ga	s Other, specify	From To (cm/in)			
•	Kind of Water: Fresh Untesters Other, specify	ed 0 20 8 M	***************************************		
Water found at Depth	Kind of Water: Fresh Unteste	ed			
	Well Contractor and Well Technic	an Information			
LONDON S	OIL TEST LTD.	Well Contractor's Licence No.	SEE A	TTACHED	MAP.
	outhgate Sdrd. 71	Municipality	Comments:		
	ON NOC 1B0 info@londonsoil.com	ddress			
	c. area code) Name of Well Technician		information package	Audit	Ministry Use Only No. Z30596
Well Techpician's Licence	eq No. Signature of Jechnician and or C	Contractor Date Submitted.	I delivered	Y Y M M D D ork Completed	APR 2 3 2019
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		Ministry of the Environment and Climate Change			
Measurements recorded i	n:	Metric	Imperial		

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

Regulation 903 Ontario Water Resources Act

Page / of

2570970 ONTARIO INC.

Address of Well Lo	ocation (Street Number/Name)	Townsh	nip	Lot		lo	Concession			
End of	FRANCEY ST.		•	Pt	LOT	227	Concession 2	SU	ITSR	
County/District/Mu	inicipality		wn/Village WNJACK	,	1	Province Ontai	e	Postal	Code	
UTM Coordinates		Municip	pal Plan and Sublot	Number		Other	<u></u>) A c		
NAD 8 3		[(以名子 LSaaling Record (sa	ae instructions on the	hack of this form		46	0 10	<u> 100</u>	0 <u>505</u> 26	
Overburden and Bedrock Materials/Abandonment Sealing General Colour Most Common Material		Other Ma		General Description				Dep From	Depth (m/tt)	
ork Bom	51/4	Some Some		Loose Topsoil	an 5	in for		0	L.	
Brown Porcy	Gravel	5:1+4	Somo	Parched work	èv-	11.01		Ţ	10	
Grown	5:17	Some Gra	rol, sond	Very Compos	+			0.	20	
				, v						
	. `									
				P-0018-001						
							* ****	7231-322-323		
Depth Set at (m.	Annular Spac Type of Sealant U	NOT THE REPORT OF THE PROPERTY	/olume Placed	After test of well yield, water w	CONTROL CONTRO	alternational state of the second	Testing w Down	R	ecovery	
From To	(Material and Type		(m³/ft³)	☐ Clear and sand free☐ Other, specify		Time \((min))	Water Level	Time (min)	Water Level (m/ft)	
841	SILICA SAI	$\frac{1}{2}$		If pumping discontinued, give i	reason;	Static Level	1/1		- 8	
0 0	TTUME V	Berdowlf_				1		1		
				Pump intake set at (m/ft)	$\overline{}$	2		2		
FACCOUNTED TO THE PROPERTY OF				Pumping rate (Vmin / GPM)	\leftarrow	3		3		
Cable Tool	f Construction Diamond Public	Well Use Commercial	☐ Not used			4		4	***************************************	
☐ Rotary (Convent	· — • — —	☐ Municipal ☐ Test Hole	☐ Dewatering ☐ Monitoring	Duration of pumping hrs + min		5		5	ســـ	
Boring	☐ Digging ☐ Imigation	Cooling & Air C	,	Final water level end of pumpi	ng (m/ft)	10		10	<u> </u>	
Air percussion Other, specify	AUGER . Industrial Other, spe	cify		If flowing give rate (Imin / GPM	n	15		15		
	Construction Record - Casing	den if schurungs/sommwerbilderkman bis rader statutur (an-	Status of Well			20		20		
Diameter (Galv	n Hole OR Material Wall vanized, Fibreglass, Thickness crete, Plastic, Steel) (cm/ip) Fro	· ` ` = =	Water Supply Replacement Well	Recommended Jump depth (i	m/ft)	25		25		
7//	PVC 3/10"/C	[]	Test Hole Recharge Well	Recommended pump rate (I/min / GPM)		30		30	NATIONAL DE LA CONTRACTION DEL CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DEL CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA C	
	100 10	──┤── ─┤∐╵	Dewatering Well Observation and/or			40		40		
			Monitoring Hole Alteration	Well production (Vmin / GPM)		50		50		
			(Construction) Abandoned,	Disinfected? ☐ Yes ☑No		60		60		
	Construction Record - Screen		Insufficient Supply Abandoned, Poor	7	p of We	ell Loca	ition			
Outside Diameter	Material Stat No.	Depth (m/tt)	Water Quality	Please provide a map below				ne baçl	ζ.	
(cm/m) (Plasti	ic, Galvanized, Steel) Fro		Abandoned, other, specify							
2,	MO 1010 3		Other, specify							
	:									
Water, found at De	Water Details pth Kind of Water: ☐ Fresh ☐ Until		Diameter Diameter							
(mft)	Gas Other, specify	From	To (cm/h)							
Water found at De (m/ft) ☐	epth Kind of Water: Fresh Until Gas Other, specify	ested U								
Water found at De	epth Kind of Water: Fresh Unt	ested								
(m/ft) []	Gas Other, specify Well Contractor and Well Tech	nician Information								
LONDON		transfer account of a reference of the second of the secon	tractor's Licence No.	SEE ASTA	Cilr.		100			
	SOIL TEST LTD. Southgate Sdrd. 71	Municipa	1 4 0	SEE ATTA	TIL	<u>リ / </u>	1771 1			
	dk, ON NOC 1B0			Johnnones.						
	77 info@londonsoil.com	il Address			Deliver	ad 1 li	Minin	tavalue:	e Only	
	. (inc. area code) Name of Well Technic	cian (Last Name, First I	Name)	information package	1				5987	
	III WATES	, MKL		delivered Date Work Co	M M mpleted	עוט				
Well Technician's Lie	cence No. Signature of Techniqian and	On Contractor Dae Su	110415	15 No 2019	0411	651	Ah Received	rk Z .	3 2019	
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Measurements recorded in:

Ministry of the Environment and Climate Change

Metric

[M]Imperial

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

Well Record

*veil Record A358125 | Tag#:A258125 | Value | Resources Act

Address of Well Location (Street Number/Name)		Township	Lot	Concessi	on	
159155 HWV 10		M12411007h	E AND TOTAL		SR <u>B</u>	
County/District/Municipality	(City/Town/Village		Province Ontario	Postal	! Code
UTM Coordinates Zone Easting Northin	ng I	Municipal Plan and Sublo	t Number	Other		
NAD 8 3 7 5 48 395 48 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	1 コロ I ゴ ent Sealing Reco	ord (see instructions on the	e back of this form)			
General Colour Most Common Material	1	ner Materials	General Description	1	Dep From	oth (<i>m/ft</i>) To
700501					Ĉ	
BEN CHAY	570	NBS			- The state of the	-15
BRN STENISS	L CLA	$I \cap I \cap I \cap I$	Ensures,		15	-64
SONIES	<u>Chay</u>	<u>, Grauzl</u>			64	- 81
LIMESTONIZ		*			<u> </u>	- 102
					······································	
					······	
Annular Spa	ire		Paculte of W	ell Yield Testing	*	
Depth Set at (m/ft) Type of Sealant	Used	Volume Placed	After test of well yield, water was:	Draw Down	R	ecovery
(101010110117)	iskają	(m³/ft³) 15 M 3	Clear and sand free □ Other, specify	Time Water Lev (min) (m/ft)	rel Time (min)	Water Level (m/ft)
0 +60 Benite (If pumping discontinued, give reason	Static S		9
				1 9	1	8
	······································		Pump intake set at (m/ft)	2 9	2	8
Method of Construction	Well Us		Pumping rate (Vmin / GPM)	3 9	3	8
☐ Cable Tool ☐ Diamond ☐ Public	Comme	rcial 🔲 Not used	Duration of pumping	4 9	4	8
Rotary (Conventional)		—	hrs + min	5 C	5	8
☐ Boring ☐ Imagetion ☑ Air percussion ☐ Industria		& Air Conditioning	Final water level end of pumping (m/ft	10	10	\$
Other, specify Other, sp	pecify		If flowing give rate (Vmin / GPM)	15	15	ويساوة التالك
Construction Record - Casing Inside Open Hole OR Material Wall	Depth (<i>m/ft</i>)	Status of Well Water Supply	Recommended pump depth (m/ft)	20	20	
Diameter (Galvanized, Fibreglass, Thickness	rom To	Replacement Well Test Hole	45=	25	25	Section (Section)
61/4 STEEL 1188 +	3 - 84	Recharge Well	Recommended pump rate (Vmin / GPM)	30	30	
· ad	34+102	☐ Dewatering Well ☐ Observation and/or	Well production (Vmin / GPM)	40	40	
		─ Monitoring Hole☐ Alteration		50	50	The state of the s
		— (Construction) ☐ Abandoned,	Disinfeøted? Yes \[\] No	60	60	
Construction Record - Screen		Insufficient Supply Abandoned, Poor		ell Location		
Outside Diameter (cm/in) Material (Plastic, Galvanized, Steel) Slot No.	Depth (<i>m/ft)</i> From To	Water Quality Abandoned, other,	Please provide a map below follow	ing instructions or	i the back	ζ.
		specify	With the state of			
		☐ Other, <i>specify</i>	Sunnessaumen, and a second			
Water Details		lole Diameter		Herd	00,000 00.00 ,0 00.77 61.77	,.
Water found at Depth Kind of Water: Fresh Ur	ntested Dep From	th (<i>m/ft</i>) Diameter To (<i>cm/in</i>)	S. \$ 1,000	April Marched		
✓ (m/ft) ☐ Gas ☐ Other, specify Water found at Depth Kind of Water: ☐ Fresh ☐ Ur	ntested					
(m/ft) Gas Other, specify Water found at Depth Kind of Water: Fresh Ur	-tootod			350 -> 1		
(m/ft) Gas Other, specify	niesieu			The section of the se	Millioners - Millioners	Specification — The Specification of the Specificat
Well Contractor and Well Tec				TT		
Business Name of Well Contractor NESMANN WELL DRILLIN		ell Contractor's Licence No.				
Business Address (Street Number/Name)		unicipality	Comments:	V****		
H53020 GREY ROLD SE Province Postal Code Business E-n	nail Address	DUNDALK	ARRLIET HO	Opal.		
ONT MOCHBO		<u>, , , , , , , , , , , , , , , , , , , </u>	Well owner's Date Package Delive	niM he	istry Us	e Only
Bus.Telephone No. (inc. area code) Name of Well Techr	nician (Last Name,	, First Name)	package YYYY M M	Audit No.	430	6956
Well Technician's Licence No. Signature of Technician an		ate Submitted	Yes Date Work Complete	, II AU	G 0 1 2	2019
0506E (2014/11)		Y Y Y M M D D Ministry's Copy	No MENALOS	Received © Queer		or Ontario, 2014



Map: Well records

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

Full dataset is available in the Open Data catalogue (https://data.ontario.ca/dataset/well-records).

Go Back to Map

Well ID

Well ID Number: 7367321 Well Audit Number: *C47994* Well Tag Number: *A295208*

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

Well Location

|--|

Township	PROTON TOWNSHIP
Lot	
Concession	
County/District/Municipality	GREY
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 17 Easting: 547875.00 Northing: 4890860.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General	Most Common	Other	General	Depth	Depth
Colour	Material	Materials	Description	From	To

Annular Space/Abandonment Sealing Record

Method of Construction & Well Use

Method of Construction	Well Use

Status of Well

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7215

Results of Well Yield Testing

After test of well yield, water was	
If pumping discontinued, give reason	
Pump intake set at	
Pumping Rate	
Duration of Pumping	
Final water level	
If flowing give rate	
Recommended pump depth	
Recommended pump rate	
Well Production	
Disinfected?	

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	

25	25	
30	30	
40	40	
45	45	
50	50	
60	60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter

Audit Number: C47994

Date Well Completed: May 29, 2020

Date Well Record Received by MOE: September 10, 2020

Related

How to use a Ministry of the Environment map (https://www.ontario.ca/page/how-use-ministry-environment-map#wells)

Technical documentation: Metadata record (https://data.ontario.ca/dataset/well-records/resource/3031344e-e3f2-48d5-888c-c1deadfd2f77)

Updated: October 18, 2021 Published: March 20, 2014

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Well Record - Regulation 903

Ontario Water Resources Act

Notice of Collection of Personal Information

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1-888-396-938	oo or <u>wells</u>	<u>neipaesi</u>	<u>(@ontario</u>	<u>.ca</u> .						
Fields marked v	with an aste	erisk (*) ar	e mandato	ry.						
							Well Tag	Number *		
							No Tag o	on Well		
Type *										
Construction	n 📝 A	Abandonn	nent							
Measurement :	recorded in	n: *								
✓ Metric	I	mperial								
1. Well Own	er's Infor	mation								
Last Name and	First Name	e, or Orga	nization is	mandatory. *						
Last Name					First	Name				
Organization Southgate Me	adows Inc				Ema	il Address				
Current Addres	ss									
Unit Number	Street	Number	Street	Name *			City/Town/Village	;		
Constant				Duarinas			Postal Code	Telephone Number		
Country Canada				Province Ontario		Postal Code Trelebhone				
2. Well Loca	tion			1						
Address of We	ell Location	1								
Unit Number	Street Nun 231	mber *	Street Nar Glenelg S				Township Proton			
Lot 224			Concession Range 2	n	County/District/Municipality Grey County					
City/Town Dundalk						Province Ontario		Postal Code NOC 1B0		
UTM Coordinate	es Zone *	Easting	* N	orthing *			Municipal Plan a	nd Sublot Number		
NAD 83	17	17 547333 4891206 T e			Tes	t UTM in Map				
Other		1	J							
3. Abandonm	ent and S	ealing								
Well Denth		 4		(m)						

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Provide information of well (e.g. construction date, original contractor). Do not enter private information

Original Owner									
General Description Depth From (m)									
4. Annular Sp	ace								
Depth From Depth To Type of Sealant Used (Material and Type) Volume Placed									
(m)	(m)			(cubic r	metres)				
0	4.6	Bentonite		0.0	· · · · · · · · · · · · · · · · · · ·				
5. Method of	Constructio	n							
Cable Tool	Rotary	(Conventional) Rotary (Reverse)	Boring Air perc	ussion	amond				
Jetting	Driving			_					
Other (speci									
6. Well Use									
Public		ndustrial Cooling & Air Condit	ioning						
Domestic		Commercial Not Used	lorning						
Livestock		funicipal Monitoring							
☐ Irrigation	_	est Hole Dewatering							
Other (spec									
7. Status of V									
Water Supp			Гest Hole						
Recharge W			Observation and/or Moni	•					
	Construction)		Abandoned, Poor Water	Quality					
	other (specify	y) customer request							
Other (spec	ify)								
8. Construction	on Record -	Casing (use negative number(s) to indi	cate depth above ground	d surface)					
Inside		n Hole or Material (Galvanized, Fibreglass,	Wall	Depth From	Depth To				
Diamete (cm)	r	Concrete, Plastic, Steel)	Thickness	·	(m)				
(cm) 5		Plastic		(m) 0	1.5				
		i lastic			1.0				
9. Construction	on Record -	Screen							
Outside		Material	Slot						
Diamete		(Plastic, Galvanized, Steel)	Number	Depth From	Depth To				
(cm)				(m)	(m)				
6.3		Plastic 1.5 4.6							

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10. Water De	tails													
Water found at	Depth		(m)	Gas	Kind of w	ater	Fres	h 🔲 l	Jntested	O	ther			
44 11 1 51														
11. Hole Dian	neter							1						
D	epth Froi	m			Depth	То					Diamete	er		
	(m)				(m)						(cm)			
	0													
12. Results o	f Well Y	ield Te	esting											
Pumping Dis	scontinue	ed												
Explain														
If flowing give ra	ate													
Flowing _					(L/r	min)								
Draw down											_			
Time (min)	Static Level		2	3	4	5	10	15	20	25	30	40	50	60
Water Level (m)														
Recovery	•	'	1		1		•	.	•	•		- 1		•
Time (mir	n)	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Lev (m)	/el													
After test of we	ll yield, w	ater wa	S		I		1					ı		1
Clear and sa	and free	Oth	ner (spe	cify)										
Pump intake se	et at Pur	mping ra	ite	Duratio	n of pumpi	ng		Final w	ater leve	el end of	pumping	g [isinfected	l?
	(m)		(L/min)		hrs +		min	(m) ☐ Yes ✓ No					/ No	
Recommended	pump de	epth	Recom	mended	pump rate	We	ell produc	ection						
		(m)			(L/min)			(L/min)					
13. Map of W	ell Loca	ation *												
Map 1. Please Cl	lick the ma	ap area k	oelow to i	mport an	image file to	use a	as the ma	p.	Mal	ke map	area big	ger		

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Audit Number UKPZ BS7B

44 1.5									
14. Information	on								
Well owner's information package delivered ☐ Yes ✓ No							Date Work Completed (yyyy/mm/dd) * 2021/03/17		
Comments MW1 on map									
15. Well Con	tractor and We	ell Tecl	hnician	Information					
Business Name SL Sonic Soil			Well Contractor's License Number * 7732						
Business Add	ress								
Unit Number	Number Street Number Street Name * 441 Carlingview Drive								
City/Town/Village * Etobicoke					Province Ontario			Postal Code * M9W 5G8	
Business Telep 905-660-0501			ess Email <mark>@sonics</mark>						
Last Name of Well Technician * Osborne				First Name of Well Technician * Tim			Well Technician's License Number * 4078		
16. Declaration	on *								
✓ I hereby con and accurat		e perso	n who co	nstructed the well and I her	eby co	onfirm th	at the information	on on the form is correct	
Last Name First Na Archibald Alan			ame		Email Address sonic@sonicsoil.com				
Signature						Date Su	bmitted (yyyy/m	nm/dd)	
Alan	Archiba	ald	Digitally signed by Ala DN: C=CA, O=SL Son Reason: I am the auth Location: Date: 2021-04-14 14: Foxit PhantomPDF Ve	42:01			2021/	/04/14	
17. Ministry U	Jse Only								

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Well Record - Regulation 903

Ontario Water Resources Act

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1-000-390-930	Jo or wei	<u>isi leipues</u>	KWUIItai	<u>10.ca</u> .								
Fields marked v	with an as	terisk (*) a	re manda	ntory.								
									Well Tag	Numb	er *	
									No Tag	on We	II	
Type *												
Construction	n 🗸	Abandoni	ment									
Measurement	recorded	in: *										
✓ Metric		Imperial										
1. Well Own	er's Info	rmation										
Last Name and	First Nan	ne, or Orga	anization	is mandatory. *								
Last Name					F	First Na	ame					
Organization						-mail A	ddroos					
Organization Southgate Me	adows Ir	IC.				-maii <i>P</i>	ddress					
Current Addre	ss											
Unit Number	Stree	et Number	* Stre	et Name *		City/Town/Village						J
Country				Province				Posta	l Code	lΤο	lephone Number	
Canada				Ontario				1 OSIG	Code	110	iebnone Namber	
2. Well Loca	tion											
Address of We	ell Location	on										
Unit Number	Street No 231	umber *	Street N Glenelo	lame * g Street					ownship roton			
Lot 227			Conces			County/District/Municipality Grey County						
City/Town Dundalk							Province Ontario				Postal Code NOC 1B0	
UTM Coordinat	es Zone	* Easting	*	Northing *				Munic	cipal Plan	and Sul	blot Number	
NAD 83	3 17 547746 4891026 Test UTM in Map											
Other	'			,								
3. Abandonm	ent and	Sealing										
Well Depth		4.9		(m)								

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Provide information of well (e.g. construction date, original contractor). Do not enter private information

Original Owner							
	Depth From (m)	Depth To (m)					
4. Annular Sp	расе						
Depth From	Depth To	Type of Sealant Used (Material a	and Type)	Volume	Placed		
(m)	(m)		. ,	(cubic r	netres)		
0	4.9	Bentonite		0.0	·		
5. Method of	Constructi	on					
Cable Tool	Rotar	y (Conventional) Rotary (Reverse) B	Boring Air percu	ussion Dia	amond		
Jetting	Drivir		Augering Direct Pu	<u> </u>			
Other (speci	ify)		_				
6. Well Use							
Public		Industrial Cooling & Air Conditioni	ina				
Domestic		Commercial Not Used	9				
Livestock		Municipal Monitoring					
☐ Irrigation		Test Hole Dewatering					
Other (speci	ify)						
7. Status of W	Vell						
Water Supp		Replacement Well Test	t Hole				
Recharge W			ervation and/or Monit	orina Hole			
Alteration (C			ndoned, Poor Water (_			
✓ Abandoned,	·		riadirea, r dei rrater t	a damily			
Other (speci	, ,						
8. Construction	· ·	Casing (use negative number(s) to indicate	a donth above ground	(aurface)			
Inside		- Casing (use negative number(s) to indicate en Hole or Material (Galvanized, Fibreglass,	Wall	surface)			
Diamete		Concrete, Plastic, Steel)	Thickness	Depth From	Depth To		
(cm)				(m)	(m)		
5		Plastic		0	1.8		
	ı	-	-	·			
9. Construction	on Record	- Screen					
Outside		Material (Pleatic Calverized Steel)	Slot	Donth Carr	Donth To		
Diamete (cm)	'	(Plastic, Galvanized, Steel)	Number	Depth From (m)	Depth To (m)		
6.3		Plastic 1.8 4.9					

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10. Water De	tails													
Water found at	Depth		(m)	Gas	Kind of w	ater	Fres	h 🔲 l	Jntested	O	ther			
44 Hala Diam	4													
11. Hole Dian	neter													
D	epth Froi	m			Depth	То					Diamete	er		
	(m)				(m)						(cm)			
	0													
12. Results o	f Well Y	ield Te	esting											
Pumping Dis	scontinue	ed												
Explain														
If flowing give ra	ate													
Flowing (L/min)														
Draw down	Draw down													
Time (min)	Static Level		2	3	4	5	10	15	20	25	30	40	50	60
Water Level (m)														
Recovery	•	'	1				•	.	•	•		- 1	- 1	•
Time (mir	n)	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Lev (m)	/el													
After test of we	ll yield, w	ater wa	S		I		1					ı		1
Clear and sa	and free	Oth	ner (spe	cify)										
Pump intake se	Pump intake set at Pumping rate Duration of pumping Final water level end of pumping Disinfected?													
	(m) (L/min) hrs + min (m) ☐ Yes ✓ No													
Recommended	pump de	epth	Recom	mended	pump rate	We	ell produc	ction						
		(m)			(L/min)			(L/min)					
13. Map of W	ell Loca	ation *												
Map 1. Please Cl	lick the m	ap area l	oelow to i	mport an	image file to	use	as the ma	р.	Mal	ke map	area big	ger		

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Audit Number MES5 NKBM

14. Informati	on							
Well owner's in ☐ Yes ✓ N	formation packaç o	ge delive	ered	Date Package Delivered (y	/yyy/n	′	Date Work Con 2021/03/17	npleted (yyyy/mm/dd) *
Comments MW2 on map						,		
15. Well Con	tractor and We	ell Tech	nnician	Information				
Business Name SL Sonic Soil	e of Well Contrac Limited	ctor *				Well Co 7732	ntractor's Licen	se Number *
Business Add	ress							
Unit Number	Street Number 441	II.	reet Nam arlingvie					
City/Town/Villa Etobicoke	ge *	•			Prov	vince ario		Postal Code * M9W 5G8
Business Telep 905-660-0501		1	ss Email Osonics	Address oil.com				
Last Name of V Osborne	Vell Technician *			First Name of Well Technic Tim	cian *		Well Technic 4078	ian's License Number *
16. Declaration	on *							
✓ I hereby con and accurate		e persoi	n who co	nstructed the well and I her	eby c	onfirm th	at the information	on on the form is correct
Last Name Archibald			First Na Alan	ame		Email A	ddress sonicsoil.com	
Signature						Date Su	bmitted (yyyy/m	nm/dd)
Alan	Archiba	ald	Digitally signed by Ali DN: C=CA, O=SL So Reason: I am the aut Location: Date: 2021-04-14 14: Foxit PhantomPDF V	onic Soil Limited, CN=Alan Archibald, E=sonic@sonicsoil.com thor of this document :41:00			2021	/04/14
17. Ministry l	Jse Only					_	_	_

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Well Record - Regulation 903

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1-888-396-9355 or <u>wellsneit</u>	<u>odesk@ontal</u>	<u>no.ca</u>				
Fields marked with an asterisk	(*) are manda	itory.				
					Well Tag Number	er *
					No Tag on We	II
Type *						
☐ Construction ✓ Abar	ndonment					
Measurement recorded in: *						
✓ Metric	rial					
1. Well Owner's Informa	tion					
Last Name and First Name, or	Organization	is mandatory. *				
Last Name			First Na	ime		
Organization Southgate Meadows Inc.			Email A	daress		
Current Address	,			1		
Unit Number Street Num	nber * Stre	et Name *			City/Town/Village	
Country		Province			Postal Code Tel	ephone Number
Canada		Ontario			Tostal Gode Trei	ebnone Number
2. Well Location						
Address of Well Location						
Unit Number Street Number 231		lame * g Street			Township Proton	
Lot 228	Conces Range			County/Distr Grey Coun	rict/Municipality ty	
City/Town Dundalk				Province Ontario		Postal Code NOC 1B0
UTM Coordinates Zone * East	sting *	Northing *			Municipal Plan and Sub	olot Number
NAD 83 17 54	18027	4890884	Test L	JTM in Map		
Other						
3. Abandonment and Seali	ing					
Well Depth 5.2	-	(m)				

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Provide information of well (e.g. construction date, original contractor). Do not enter private information

Original Owner											
		General Description		Depth From (m)	Depth To (m)						
4. Annular Sp	ace										
Depth From	Depth To	Type of Sealant Used (Materi	ial and Type)	Volume	Placed						
(m)	(m) (m) (cubic metres)										
0	0 5.2 Bentonite 0.0104										
5. Method of 0	5. Method of Construction										
Cable Tool Rotary (Conventional) Rotary (Reverse) Boring Air percussion Diamond											
Jetting											
Other (specify)											
6. Well Use											
Public Industrial Cooling & Air Conditioning											
Domestic Commercial Not Used											
Livestock		nicipal Monitoring									
Irrigation	Tes	st Hole Dewatering									
Other (speci	fy)										
7. Status of W	/ell										
Water Suppl	y	Replacement Well	Test Hole								
Recharge W		<u> </u>	Observation and/or Moni	toring Hole							
Alteration (C	onstruction)	Abandoned, Insufficient Supply	Abandoned, Poor Water	Quality							
✓ Abandoned,	other (specify)	customer request									
Other (speci	fy)										
8. Construction	on Record - C	casing (use negative number(s) to indi	cate depth above ground	d surface)							
Inside	Open	Hole or Material (Galvanized, Fibreglass,	Wall	Donth From	Donth To						
	Diameter Concrete, Plastic, Steel) Thickness Depth From Depth To										
(cm) (m) (m)											
5		Plastic		0	2.1						
9. Construction Record - Screen											
Outside Diameter	Outside Material Slot Diameter (Plastic, Galvanized, Steel) Number Depth From Depth To										
(cm)		, , , , , , , , , , , , , , , , , , , ,		(m)	(m)						
6.3		Plastic		21	5.2						

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10. Water De	tails													
Water found at	Depth		(m)	Gas	Kind of w	ater	Fres	h 🔲 l	Jntested	O	ther			
44 Hala Diam	4													
11. Hole Dian	neter													
D	epth Froi	m			Depth	То					Diamete	er		
	(m)				(m)						(cm)			
	0													
12. Results o	f Well Y	ield Te	esting											
Pumping Dis	scontinue	ed												
Explain														
If flowing give ra	ate													
Flowing (L/min)														
Draw down	Draw down													
Time (min)	Static Level		2	3	4	5	10	15	20	25	30	40	50	60
Water Level (m)														
Recovery	•	'	1				•	.	•	•		- 1	- 1	•
Time (mir	n)	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Lev (m)	/el													
After test of we	ll yield, w	ater wa	S		I		1					ı		1
Clear and sa	and free	Oth	ner (spe	cify)										
Pump intake se	Pump intake set at Pumping rate Duration of pumping Final water level end of pumping Disinfected?													
	(m) (L/min) hrs + min (m) ☐ Yes ✓ No													
Recommended	pump de	epth	Recom	mended	pump rate	We	ell produc	ction						
		(m)			(L/min)			(L/min)					
13. Map of W	ell Loca	ation *												
Map 1. Please Cl	lick the m	ap area l	oelow to i	mport an	image file to	use	as the ma	р.	Mal	ke map	area big	ger		

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Audit Number L36G H336

14. Information	on							
Well owner's in ☐ Yes ✓ N	formation packa o	ge deliv	rered	Date Package Delivered (y	/yyy/m		Date Work Con 2021/03/17	npleted (yyyy/mm/dd) *
Comments MW3 on map								
15. Well Con	tractor and We	ell Tecl	hnician	Information				
Business Name SL Sonic Soil	e of Well Contrac Limited	ctor *				Well Co 7732	ntractor's Licen	se Number *
Business Add	ress							
Unit Number	Street Number 441	I	reet Namariingvie					
City/Town/Villa Etobicoke	ge *				Provi Onta			Postal Code * M9W 5G8
Business Telep 905-660-0501			ess Email <mark>@sonics</mark>					
Last Name of V Osborne	Vell Technician *			First Name of Well Technic Tim	cian *		Well Technic 4078	ian's License Number *
16. Declaration	on *							
✓ I hereby con and accurat		e perso	n who co	nstructed the well and I her	eby co	onfirm th	at the information	on on the form is correct
Last Name Archibald			First Na Alan	ame		Email Ao sonic@	ddress sonicsoil.com	
Signature			5			Date Su	bmitted (yyyy/m	nm/dd)
Alan	Archiba	ald	Digitally Signed by Ale DN: C=CA, O=SL Sos Reason: I am the auth Location: Date: 2021-04-14 14: Foxit PhantomPDF V4	41:28			2021/	/04/14
17. Ministry U	Jse Only							

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Well Record - Regulation 903

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1-888-396-935	5 or <u>wells</u>	<u>helpdes</u>	k@ontar	<u>10.ca</u> .			
Fields marked w	ith an aste	risk (*) a	re manda	tory.			
						Well Tag I	Number *
						No Tag o	n Well
Type *							
Construction	✓ A	Abandonr	ment				
Measurement r	ecorded in	ղ։ *					
✓ Metric	I	mperial					
1. Well Owne	er's Infor	mation					
Last Name and	First Name	, or Orga	nization i	s mandatory. *			
Last Name					First Name		
Ouraniantian					I Europii A alabaaa		
Organization Southgate Mea	adows Inc				Email Address		
Current Addres	SS						
Unit Number	Street	Number	* Stre	et Name *		City/Town/Village	
Country Canada				Province Ontario		Postal Code	Telephone Number
2. Well Loca	tion			- Cintaino			
Address of We	II Location	<u> </u>					
Unit Number	Street Nun		Street N Glenelo			Township Proton	
Lot 225			Concess		County/Dis Grey Cou	strict/Municipality Inty	
City/Town Dundalk					Province Ontario		Postal Code NOC 1B0
UTM Coordinate	es Zone *	Easting	*	Northing *		Municipal Plan ar	nd Sublot Number
NAD 83	17	54796	5	4890795	Test UTM in Ma	<mark>p</mark>	
Other	•	•			•		
3. Abandonm	ent and S	ealing					
Well Depth		5.2		(m)			
		_		` '			

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Provide information of well (e.g. construction date, original contractor). Do not enter private information

Original Owner											
		General Description		Depth From (m)	Depth To (m)						
				0	5.2						
4. Annular Sp	ace										
Depth From	Depth To	Type of Sealant Used (Mater	ial and Type)	Volume	Placed						
(m)	(m) (m) (cubic metres)										
0	5.2	Bentonite		0.0	<u> </u>						
5. Method of Construction											
Cable Tool Rotary (Conventional) Rotary (Reverse) Boring Air percussion Diamond											
☐ Jetting ☐ Driving ☐ Digging ☐ Rotary (Air) ☐ Augering ☐ Direct Push											
Other (specify)											
6. Well Use											
Public Industrial Cooling & Air Conditioning											
Domestic	□ □ c	commercial Not Used	-								
Livestock	N	Iunicipal Monitoring									
Irrigation	T	est Hole Dewatering									
Other (speci	fy)										
7. Status of W	/ell										
Water Suppl	у	Replacement Well	Test Hole								
Recharge W	/ell	Dewatering Well	Observation and/or Monit	oring Hole							
Alteration (C	onstruction)	Abandoned, Insufficient Supply	Abandoned, Poor Water	Quality							
✓ Abandoned,	other (specify	y) customer request									
Other (speci	fy)										
8. Construction Record - Casing (use negative number(s) to indicate depth above ground surface)											
Inside Open Hole or Material (Galvanized, Fibreglass, Wall Depth From Depth To											
Diameter Concrete, Plastic, Steel) Thickness (m) (m) (m)											
5 Plastic 0 5.2											
		, idotio			0.2						
9. Construction	9. Construction Record - Screen										
Outside		Material	Slot								
	Diameter (Plastic, Galvanized, Steel) Number Depth From Depth To										
(cm) 6.3		 Plastic		(m) 0	(m) 5.2						
0.0	ı	FIASIIC	İ	U	0,2						

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10. Water De	tails													
Water found at	Depth		(m)	Gas	Kind of w	ater	Fres	h 🔲 l	Jntested	O	ther			
44 Hala Diam	4													
11. Hole Dian	neter													
D	epth Froi	m			Depth	То					Diamete	er		
	(m)				(m)						(cm)			
	0													
12. Results o	f Well Y	ield Te	esting											
Pumping Dis	scontinue	ed												
Explain														
If flowing give ra	ate													
Flowing (L/min)														
Draw down	Draw down													
Time (min)	Static Level		2	3	4	5	10	15	20	25	30	40	50	60
Water Level (m)														
Recovery	•	'	1				•	.	•	•		- 1	- 1	•
Time (mir	n)	1	2	3	4	5	10	15	20	25	30	40	50	60
Water Lev (m)	/el													
After test of we	ll yield, w	ater wa	S		I		1					ı		1
Clear and sa	and free	Oth	ner (spe	cify)										
Pump intake se	Pump intake set at Pumping rate Duration of pumping Final water level end of pumping Disinfected?													
	(m) (L/min) hrs + min (m) ☐ Yes ✓ No													
Recommended	pump de	epth	Recom	mended	pump rate	We	ell produc	ction						
		(m)			(L/min)			(L/min)					
13. Map of W	ell Loca	ation *												
Map 1. Please Cl	lick the m	ap area l	oelow to i	mport an	image file to	use	as the ma	р.	Mal	ke map	area big	ger		

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Audit Number 6CW4 L4DH

14. Informati	on							
Well owner's in ☐ Yes ✓ No	formation packaç o	ge deliv	ered	Date Package Delivered (y	/yyy/mm		Date Work Con 2021/03/17	npleted (yyyy/mm/dd) *
Comments MW4 on map						,		
15. Well Con	tractor and We	ell Tech	hnician l	Information				
Business Name SL Sonic Soil	e of Well Contrac Limited	tor *				Vell Cor 732	ntractor's Licen	se Number *
Business Add	ress							
Unit Number	Street Number 441	I	reet Name arlingviev					
City/Town/Villa Etobicoke	ge *	·			Provin Ontari			Postal Code * M9W 5G8
Business Telep 905-660-0501			ess Email @sonics					
Last Name of V Osborne	Vell Technician *			First Name of Well Technic Tim	cian *		Well Technic 4078	ian's License Number *
16. Declaration	on *							
✓ I hereby con and accurat		e perso	n who co	nstructed the well and I her	eby con	nfirm th	at the information	on on the form is correct
Last Name Archibald			First Na Alan	ame		imail Ad <mark>onic@</mark>	ddress sonicsoil.com	
Signature			Digitally signed by Ala	an Archibald	D	ate Su	bmitted (yyyy/m	nm/dd)
Alan	Archiba	ald [DN: C=CA, O=SL SON Reason: I am the auth Location: Date: 2021-04-14 14:e Foxit PhantomPDF Ve	41:44			2021/	/04/14
17. Ministry l	Jse Only							

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Map: Well records

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

Full dataset is available in the Open Data catalogue (https://data.ontario.ca/dataset/well-records).

Go Back to Map

Well ID

Well ID Number: 7389879 Well Audit Number: *C49299* Well Tag Number: *A294344*

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

Well Location

|--|

Township	PROTON TOWNSHIP
Lot	
Concession	
County/District/Municipality	GREY
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 17 Easting: 547332.00 Northing: 4891207.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General	Most Common	Other	General	Depth	Depth
Colour	Material	Materials	Description	From	To

Annular Space/Abandonment Sealing Record

Depth	Depth	Type of Sealant Used	Volume
From	To	(Material and Type)	Placed

Method of Construction & Well Use

	Method of Construction	Well Use
-		
-		

Status of Well

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 6988

Results of Well Yield Testing

After test of well yield, water was	
If pumping discontinued, give reason	
Pump intake set at	
Pumping Rate	
Duration of Pumping	
Final water level	
If flowing give rate	
Recommended pump depth	
Recommended pump rate	
Well Production	
Disinfected?	

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	

25	25	
30	30	
40	40	
45	45	
50	50	
60	60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter

Audit Number: C49299

Date Well Completed: February 24, 2021

Date Well Record Received by MOE: June 21, 2021

Related

How to use a Ministry of the Environment map (https://www.ontario.ca/page/how-use-ministry-environment-map#wells)

Technical documentation: Metadata record (https://data.ontario.ca/dataset/well-records/resource/3031344e-e3f2-48d5-888c-c1deadfd2f77)

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