

Appendix A – Natural Heritage

September 25, 2023

Stephen Ho, M.Eng., P.Eng.
EXP
885 Regent Street
Suite 3-6A
Sudbury, Ontario
P3E 5M4

Dear Stephen:

**Re: Existing Conditions, Impact Assessment and Mitigation Report
Killarney Municipal Wharf Expansion and Redesign
Killarney, Ontario**

1.0 Introduction

Holla Engineering & Environmental Inc. was retained by EXP to prepare the necessary documentation to support any required Ministry of Natural Resources and Forestry (MNRF) and Department of Fisheries and Oceans (DFO) permit applications in order to upgrade and expand the existing Killarney Municipal Wharf (wharf), located in Killarney, Ontario.

The proposed in water work generally involves the removal of portions of the existing wharf, including timber docks and a concrete deck both supported by rock filled timber cribs. The new wharf substructure will be constructed with concrete filled steel tube piles driven to bedrock or steel sheet pile walls, while the superstructure will contain both timber and concrete decks. Several floating docks will also be installed and connected to the new steel sheet pile walls. Additional details are provided below.

Note that full size drawings (same drawings as the reference figures included in this report) will be provided separately with this report for additional clarity and ease of review.

2.0 Site Location

The site is located on the shoreline of Lake Huron (Killarney) at the existing Killarney Municipal Wharf on the north shore of Georgian Bay on Lake Huron (Figures 1 and 2). A general layout of the existing marina and proposed work is provided on Figure 3.

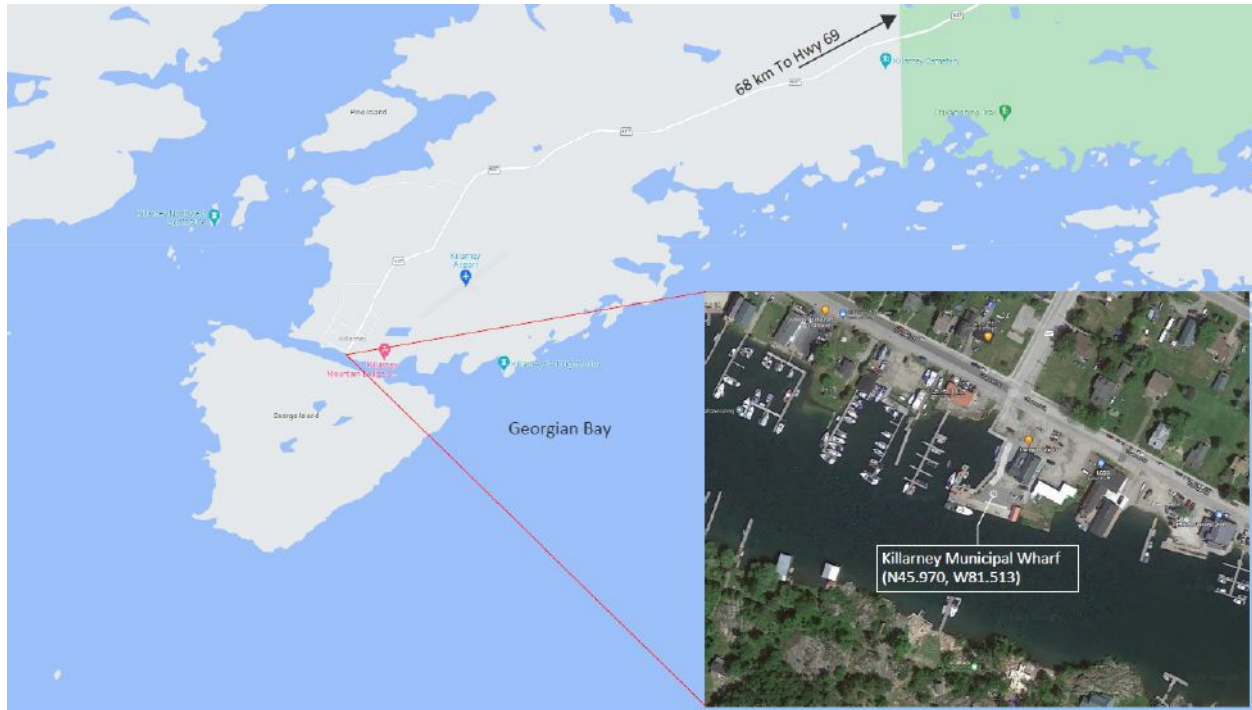


Figure 1: General Project Location (north shore of Georgian Bay on Lake Huron)



Figure 2: Existing Killarney Municipal Wharf



CONCEPTUAL SITE PLAN
 SCALE 1:300

Figure 3: General Layout of Proposed Works

3.0 Fish Community

Chinook salmon, coho salmon, rainbow trout, lake trout, walleye, yellow perch and bass are all known to be present in the project area. It is likely that many other species common to Lake Huron are also present including a variety of minnow species.

4.0 Existing Habitat

The existing wharf extends about 60m to the south from the north shore of Lake Huron and extends along the shoreline (east to west) for about 25m (Figure 4). The existing wharf contain north, east, south and west sections. The north section (timber deck on timber cribs) abuts the north shore of Lake Huron for about 12.7m and is about 2.5m wide. The east section (timber deck on timber cribs) extends off the east end of the north section in two sections, a 19.5m long north half and an 18.5m long south half, with a bend in between the two sections. The south section (timber deck on timber cribs) is a large section which extends about 12.6m to the south and about 43m in an east to west direction. A 43m long concrete pad (supported on timber cribs) extends to the east of this area. An existing boat house is located at the east end of this concrete pad. The west section (timber deck on timber cribs) extends off the northwest corner of the south section about 14m to the north with a width of about 3.6m.

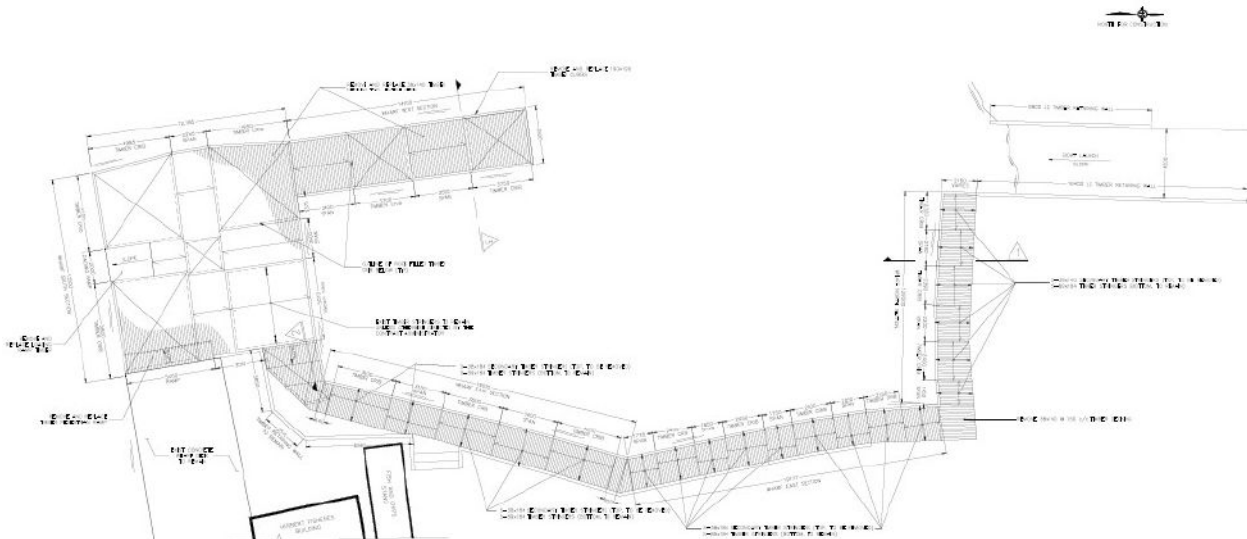


Figure 4: General Layout of Existing Wharf (2013 Improvement Plan)

The majority of the existing wharf consist of wood timber cribs filled with rock. The surface of the wharf is mainly timber, with a section of concrete deck at the east end of the south section.

An existing concrete boat launch, located at the west end of the north section, has steel mesh installed off shore but is not part of the proposed project.

Original drawings (1951) were provided for the wharf which generally illustrate the existing crib structure (Figure 5).

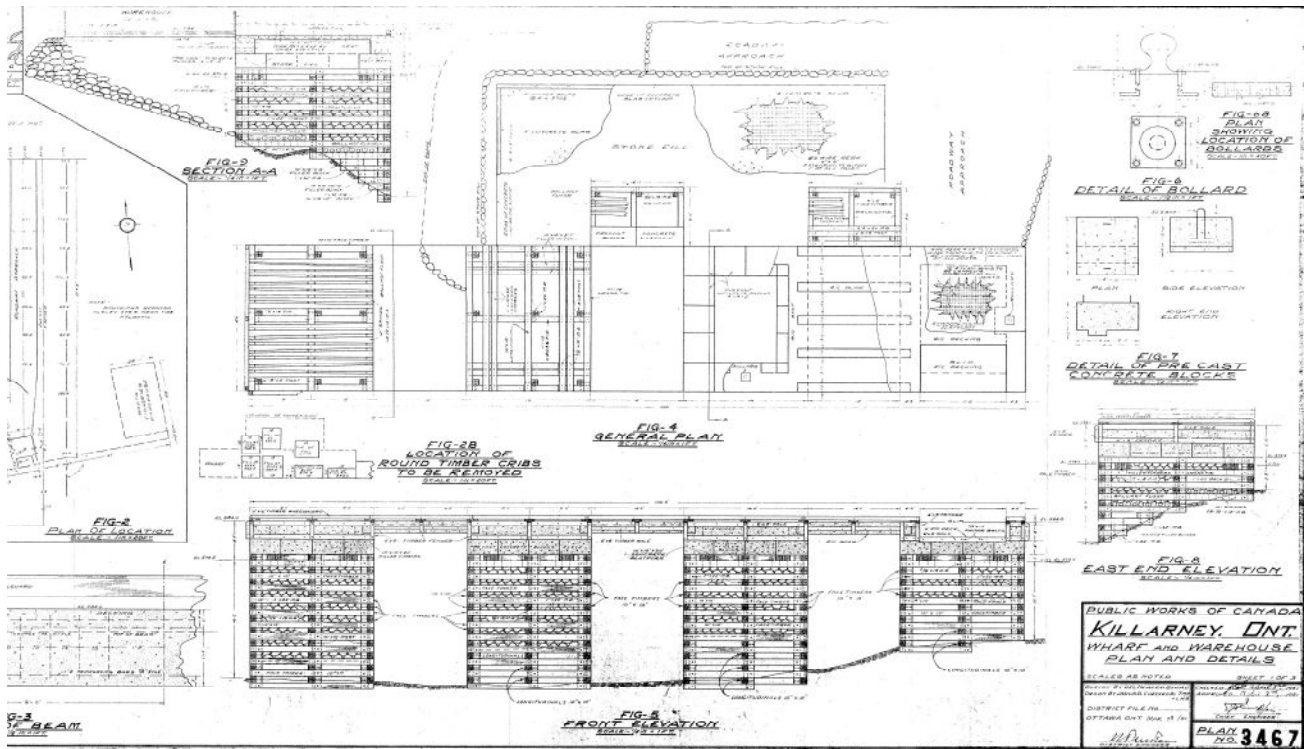


Figure 5: 1951 Drawings

Repairs were completed to the existing wharf based on the 2013 drawings provided below (Figure 6). The repairs were mainly to existing timber decking and associated timber stringers. One crib at the north end of the west section was replaced. The measurements provided generally agree with those noted during the site visit.

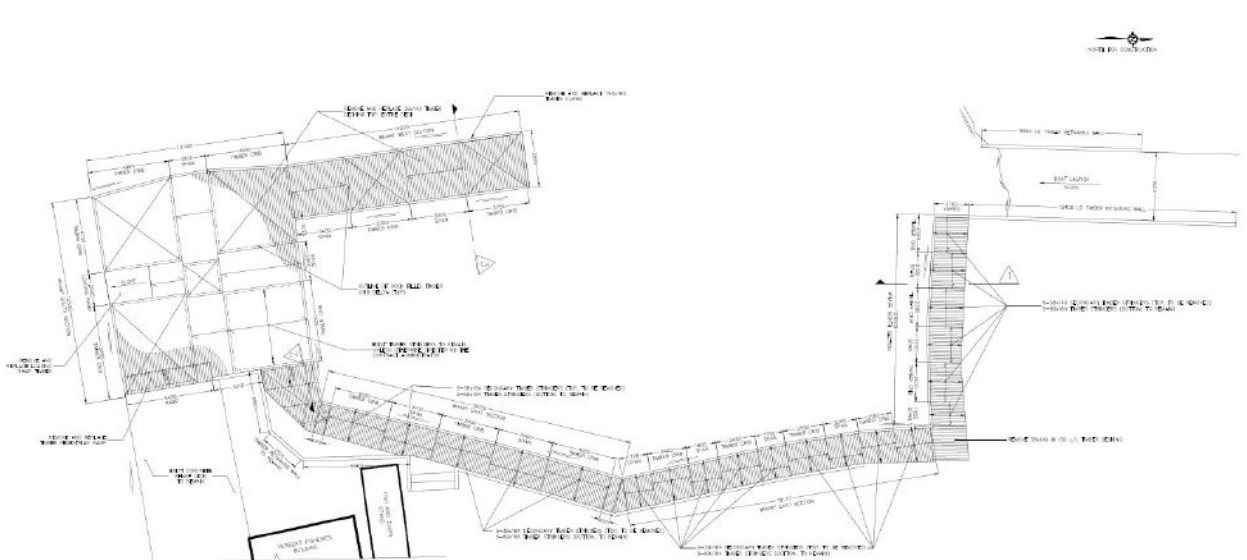


Figure 6: 2013 Repair Design

A site survey was conducted by Holla Engineering & Environmental Inc. on May 10, 2022 to review the water depths and substrate throughout the study area. Water level on the day of the site inspection (Little Current gauge at 10am) was 0.63m above the IGLD 1985 of 176m or a water level of about 176.63m.

The existing wharf generally extends off the north shore into the channel to the south. The existing wharf is described in sections as north, east, south and west.

Water depths varied along the north section (south side) from 1.2m to 1.6m. Water depths along the east section (west side) varied from 1.3m to 1.9m from north to south. Water depths along the west section varied from 1.8m to 3.0m and water depths along the channel side of the south section were measured at 4.7m (Table 1). The depth along this same area in the 1951 drawings was about 4.9m.

The top of the existing wharf was about 177.4m.

Table 1: Water Depths and IGLD Elevations Measured May 10, 2022

	Distance (m)	Water Depth (m)	Lake Bottom (m)	Top of Deck (m)	Top of Deck (m)
North Section (west to east)					
	0.0	1.21	175.42	2.00	177.42
	2.5	1.40	175.23	2.20	177.43
	7.0	1.60	175.03	2.30	177.33
	11.6	1.50	175.13	2.20	177.33
	12.7	1.32	175.31	2.10	177.41
East Section - North Half (north to south)					
	4.4	1.41	175.22	2.15	177.37
	8.8	1.58	175.05	2.31	177.36
	13.1	1.6	175.03	2.32	177.35
	17.3	1.4	175.23	2.1	177.33
	19.5	1.22	175.41	1.95	177.36
East Section - South Half (north to south)					
	4.4	1.55	175.08	2.26	177.34
	11.3	1.82	174.81	2.57	177.38
	18.5	1.89	174.74	2.62	177.36
South Section - North Side (east to west)					
	0				
	2.5	2.29	174.34	2.7	177.04
	7.3	2.8	173.83	3.75	177.58
	9.7	2.75	173.88	3.75	177.63
	11	2.65	173.98	3.6	177.58
West Section - East Side (south to north)					
	0				
	6.7	2.25	174.38	3.2	177.58
	14	1.85	174.78	2.9	177.68
West Section - West Side (north to south)					
	0	2.05	174.58	3	177.58
	7.4	2.45	174.18	3.4	177.58
	14.5	3.05	173.58	4	177.58
	19.4	3.5	173.13	4.5	177.63
	21.7	3.8	172.83	4.8	177.63
	26.6	4.69	171.94	5.75	177.69
South Section - South Side (west to east)					
	0				
	12.5	4.65	171.98	5.65	177.63

*note Lake Huron at Little Current on May 10, 2022 was 176.63m IGLD 1985

Substrate throughout the area of the existing wharf was generally very fine silt and fine sand and was easily disturbed with a Secchi Disc. There were a few random boulders observed, likely from the existing rock filled timber cribbing.

A thick mat of aquatic vegetation was observed to be present in and around all of the existing wharf out to a depth of about 3m. Note that the Secchi disc could not be seen at the bottom along the south (channel) side of the south section at a depth of 4.7m. Due to the time of year, the aquatic vegetation could not be readily identified but it is likely a variety of pondweed.

No woody debris or other critical habitat was noted during the survey.

Photographs taken during the May 10, 2022 site inspection illustrate general conditions at the proposed work locations (Figures 7 to 23).



Figure 7: Existing Boat Launch and West End of North Section (looking north)



Figure 8: Existing Boat Launch and West End of North Section (looking south)



Figure 9: North and East Section (looking northeast)



Figure 10: East Section (looking north)



Figure 11: East Section (looking south)



Figure 12: East, South and West Section (looking southeast)



Figure 13: South Section Along Channel (looking west)



Figure 14: Overview from Southwest Corner (looking northeast)



Figure 15: Overview from Northwest Corner (looking southeast)



Figure 16: Typical Rock Filled Crib



Figure 17: Typical Rock Filled Crib Below Water Line



Figure 18: Typical Aquatic Vegetation West End of North Section (1.2m depth)

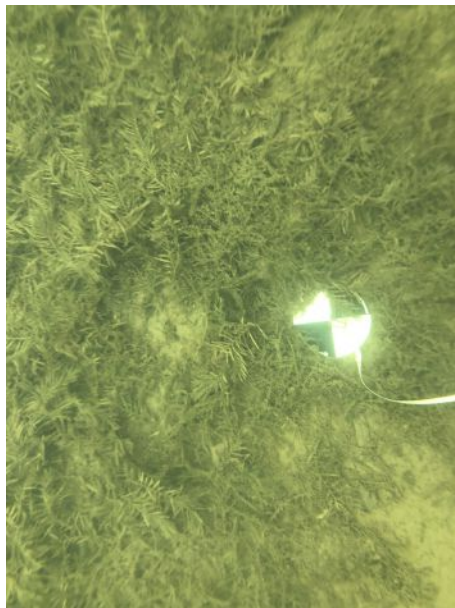


Figure 19: Typical Aquatic Vegetation Northwest Corner of West Section (2m depth)



Figure 20: Typical Substrate Northwest Corner of West Section (2m depth)



Figure 21: Typical Aquatic Vegetation South Side of East Section (1.9m depth)

5.0 Timing

The project location is known to contain both warm water and cold water fish species. The Department of Fisheries and Oceans (DFO) Ontario, In Water Work Timing Window Guidelines for the Protection of Fish and Fish Habitat provide guidelines for both spring and fall spawning species in the Northeast Region. Generally, no in water work is allowed for waters that contain spring spawning species from April 1 to July 15 and no in water work is allowed for waters containing fall spawning species from September 1 until June 15 (Table 2). Therefore, all in water work should be completed at the site between July 16 and August 31 if at all possible.

Due to the scope of work required to be completed within this limited time frame (6 weeks), it is likely that an in-water work timing extension of a total of about 10 weeks will be required either before or after the existing in water work window or a combination of both. Ideally, the work could be completed in the fall and winter, over a 2 year period to limit the impact on the summer boating season. This extension will need to be negotiated with the regulatory agencies.

Table 2: DFO Ontario-In Water Work Timing Window Guidelines

Fish Species	Northwest Region	Northeast Region	Southern Region
Walleye	April 1 to June 20	April 1 to June 20	March 15 to May 31
Northern Pike	April 1 to June 15	April 1 to June 15	March 15 to May 31
Lake Sturgeon	May 1 to June 30	May 1 to July 15	May 1 to June 30
Muskellunge	May 1 to July 15	May 15 to July 15	March 15 to May 31
Large/ Smallmouth Bass	May 15 to July 15	May 15 to July 15	May 1 to July 15
Rainbow Trout	April 1 to June 15	April 1 to June 15	March 15 to June 15
Other/Unknown Spring Spawning Species	April 1 to June 15	April 1 to June 15	March 15 to July 15

Fish Species	Northwest Region	Northeast Region	Southern Region
Lake Trout	September 1 to May 31	September 1 to May 31	October 1 to May 31
Brook Trout	September 1 to June 15	September 1 to June 15	October 1 to May 31
Pacific Salmon	September 1 to June 15	September 1 to June 15	September 15 to May 31
Lake Whitefish	September 15 to May 31	September 15 to May 15	October 15 to May 31
Lake Herring	October 1 to May 31	October 1 to May 31	October 15 to May 31
Other/Unknown Fall Spawning Species	September 1 to June 15	September 1 to June 15	October 1 to May 31

6.0 Construction Details

The in-water work and other associated work proposed for the upgrade of the Killarney Municipal Wharf (wharf) is summarized below. Construction details are provided in Figures 22 to 24.

Removal of Existing Timber Cribs and Timber Deck

The north, east, south and west sections of the existing timber cribs and timber decking will be completely removed. Material present will include timbers, spikes and rock fill.

Removal of Existing Timber Cribs and Concrete Deck

The existing concrete deck on the east end of the south section will be removed along with all of the underlying timber cribs. Material present may include concrete, rebar, wire mesh, spikes, timbers and rock fill.

Removal of Existing Boat House

The existing boat house at the east end of the concrete deck will be removed by the township prior to this project being undertaken (under a separate scope of work) and is not part of this project.

Installation of New Wharf (south section)

The new south portion of the wharf will be located at the same location as the existing south section with a 7m width out into the channel (1.0m extension from existing width) and a length of 43m along the channel in an east to west direction. The west end of this area will be about 15m wide. The new wharf substructure in this area will be constructed with concrete filled steel tube piles driven to bedrock, while the superstructure will be constructed with a concrete deck.

Installation of New Sheet Pile Sea Wall

A new steel sheet pile wall will be installed to retain fill along the north (15.3m long), east (44m long) and southeast (30m long) sections of the existing wharf. The sheet pile wall will butt up against the edge of the steel tube pile and concrete deck area described above. Any open areas behind this new sheet pile wall will be backfilled with clean rock.

Installation of New Floating Docks

A new floating dock (2.4m wide) will be installed along the north, and east portions of the new sheet pile sea wall and will be attached to the sea wall with a typical roller slipper assembly. Four (4) new floating docks will be installed along the west edge of the east section of the new steel sheet pile sea wall. Each dock will be about 1.2m wide by about 12m long. These floating docks will be attached to the 2.4m wide floating dock noted above.



Figure 22: Construction Overview

*note green line shows extent of new steel sheet pile sea wall

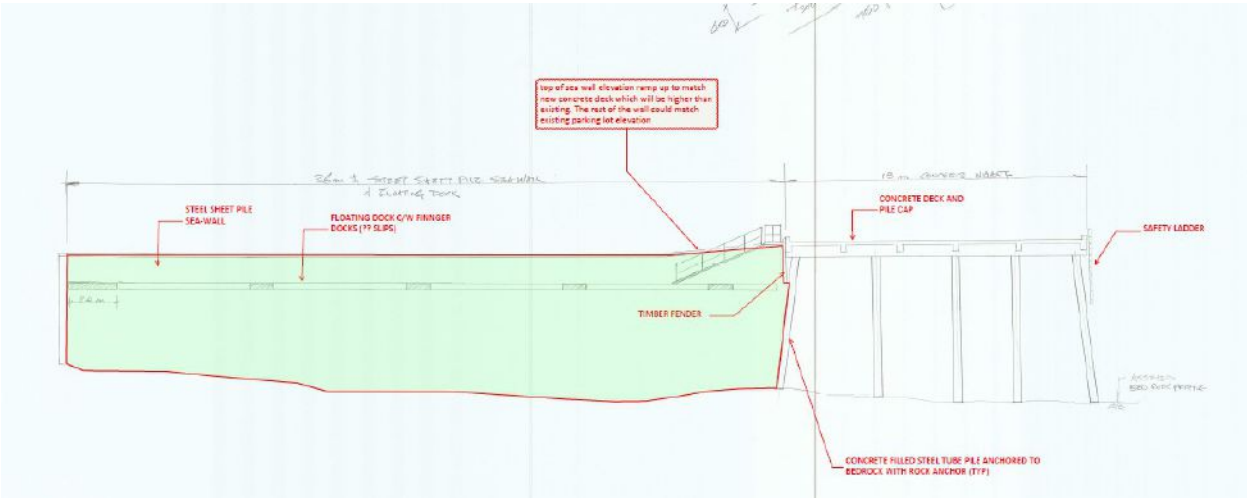


Figure 23: Wharf Detail

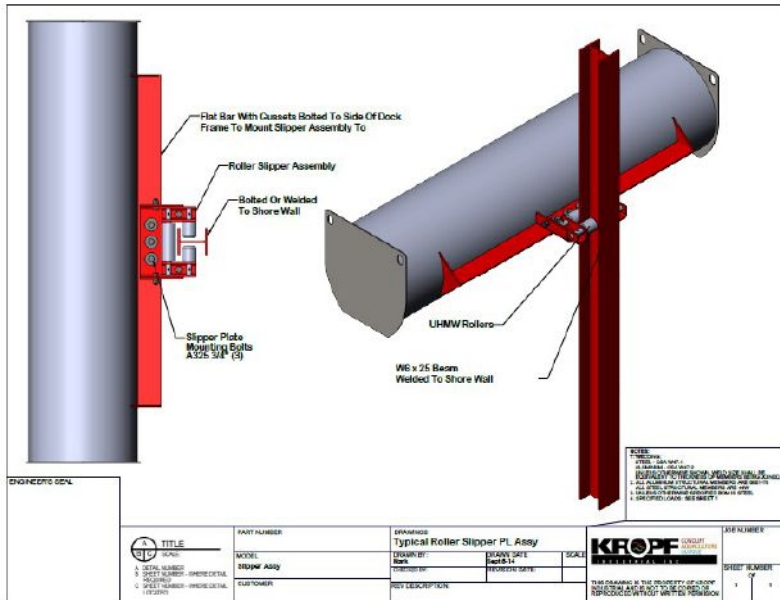


Figure 24: Typical Floating Dock Connection to Steel Sheet Pile Wall Detail

It is expected that the in water work can generally be completed over about 10 weeks total. All in water work is intended to be completed within the allowable DFO in water work timing period of July 16 to August 31, however this only provides 6 weeks of in water construction time. Due to the scope of work required to be completed within this limited time frame (6 weeks), it is likely that an in-water work timing extension of a total of 10 weeks (to be confirmed) will be required either before or after the existing in water work window or a combination of both. Ideally, the work could be completed in the fall and winter, over a 2 year period to limit the impact on the summer boating season. This extension will need to be negotiated with the regulatory agencies.

7.0 Potential Impacts and Proposed Mitigation

Table 3 below provides a summary of the construction tasks that will have potential impacts and proposed mitigation measures.

Table 3: Construction Tasks, Potential Impacts and Proposed Mitigation

Construction Task	Potential Impacts	Proposed Mitigation
<p>1. Removal of Existing Timber Cribs and Timber Deck</p> <p>The north, east, south and west sections of the existing timber cribs and timber decking will be removed. Material present will include timbers, spikes and rock fill.</p>	<p>Potential for existing timbers, rock fill and spikes being lost during the removal and covering over existing habitat.</p> <p>Potential for disturbed soil particles generated during removal of the existing timber cribs and rock fill to be suspended into the water column resulting in increased turbidity and relocation and deposition of soil particles which could impact fish and fish habitat.</p>	<p>Ensure all waste materials are properly contained, collected and disposed off site in an approved manner.</p> <p>Install a standard turbidity curtain (as per OPSD 219.260) or other appropriate isolation technique to enclose the entire area of the existing wharf that will be removed. Maintain turbidity curtain until after all removal has been completed. Allow suspended soil particles to settle for a minimum of 48 hours after all construction has been completed before removal of the turbidity curtain.</p>
<p>2. Removal of Existing Timber Cribs and Concrete Deck</p> <p>The existing concrete deck on the east end of the south section will be removed along with the underlying timber cribs. Material present may include concrete, rebar, wire mesh, spikes, timbers and rock fill.</p>	<p>Potential for existing concrete, rebar, wire mesh, timbers, rock fill and spikes being lost during the removal and covering over existing habitat.</p> <p>Potential for disturb soil particles generated during removal of the existing timber cribs and concrete deck to be suspended into the water column resulting in increased turbidity and relocation and deposition of soil particles which could impact fish and fish habitat.</p>	<p>Ensure all waste materials are properly contained, collected and disposed off site in an approve manner.</p> <p>Install a standard turbidity curtain (as per OPSD 219.260) or other appropriate isolation technique to enclose the entire area of the existing docks that will be removed. Maintain turbidity curtain until after all removal has been completed. Allow suspended soil particles to settle for a minimum of 48 hours after all construction has been completed before removal of the turbidity curtain.</p>
<p>3. Installation of New Concrete Wharf (south section)</p> <p>The new wharf will be located at the same location as the existing south section with a 7m width out into the channel (1.0m extension from existing width) and a length of 43m along the channel in an east</p>	<p>Potential for disturbed soil particles being generated during the installation of steel tube piles to be suspended into the water column resulting in increased turbidity and relocation and deposition of soil particles which could impact fish and fish habitat.</p> <p>Potential of wood particles entering surface water if cutting or drilling is done over top of the water body.</p> <p>Potential for concrete materials being deposited in the adjacent waterbody during placement of concrete or the</p>	<p>Install a standard turbidity curtain (as per OPSD 219.260) or other appropriate isolation technique to enclose the entire area of the existing docks that will be removed. Maintain turbidity curtain until after all removal has been completed. Allow suspended soil particles to settle for a minimum of 48 hours after all construction has been completed before removal of the turbidity curtain.</p> <p>Do not cut or drill wood over top of the water body.</p> <p>Contain all concrete being placed and any fines resulting from drilling of the concrete so they</p>

<p>to west direction. The northwest corner will extend back 15m from the channel. The new wharf substructure will be constructed with steel tube piles, while the superstructure will be a concrete deck.</p>	<p>drilling of the new concrete to install associated structures.</p>	<p>cannot enter the adjacent waterbody.</p> <p>Do not was concrete trucks or equipment on site and do not allow any wash water to enter the adjacent water body.</p>
<p>4. Installation of New Sheet Pile Sea Wall A new steel sheet pile wall will be installed to retain fill along the north (15.3m long), east (44m long) and southeast (30m long) portions of the wharf. The sheet pile wall will but up against the edge of the steel tube pile and concrete deck area described above. Any open areas behind this new sheet pile wall will be backfilled with clean rock.</p>	<p>Potential for disturbed soil particles being generated during the installation of steel sheet piles to be suspended into the water column resulting in increased turbidity and relocation and deposition of soil particles which could impact fish and fish habitat.</p>	<p>Install a standard turbidity curtain (as per OPSD 219.260) or other appropriate isolation technique to enclose the entire area of the existing docks that will be removed. Maintain turbidity curtain until after all removal has been completed. Allow suspended soil particles to settle for a minimum of 48 hours after all construction has been completed before removal of the turbidity curtain.</p>
<p>5. Installation of New Floating Docks A new floating dock (2.4m wide) will be installed along the north, and east portions of the new sheet pile sea wall and will be attached to the sea wall with a typical roller slipper assembly. Four (4) new floating docks will be installed along the west edge of the east section of the new steel sheet pile sea wall. Each</p>	<p>Potential for disturbed soil particles being generated during the installation of anchors to be suspended into the water column resulting in increased turbidity and relocation and deposition of soil particles which could impact fish and fish habitat.</p> <p>Potential of wood particles entering surface water if cutting or drilling is done over top of the water body.</p>	<p>Install a standard turbidity curtain (as per OPSD 219.260) or other appropriate isolation technique to enclose the entire area of the floating dock installation. Maintain turbidity curtain until after all removal has been completed. Allow suspended soil particles to settle for a minimum of 48 hours after all construction has been completed before removal of the turbidity curtain.</p> <p>Do not cut or drill wood over top of the water body.</p>

dock will be about 1.2m wide by about 12m long. These floating docks will be attached to the 2.4m wide floating dock noted above.		
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8.0 Erosion and Sediment Control Plan

Following is an Erosion and Sediment Control Plan that will be implemented during the work in order to protect fish, fish habitat and water quality.

Ontario Provincial Standard Specification (OPSS) 805, November 2015, Construction Specification for Temporary Erosion and Sediment Control Measures should be referred to as it contains standard details for erosion and sediment control measures.

David Holla, P. Eng., has overall responsibility for the plan and the plan will not be changed without his approval. Note that the contractor can propose alternate approaches to the construction methodology and erosion and sediment control measures. Any alternate approach will be reviewed against the minimum standard outlined below. If the contractor plan meets or exceeds the requirements of the plan outlined below, it may be implemented on the site. The construction site supervisor will be responsible for implementation of this plan.

The site supervisor will hold a meeting with all equipment operators working on the project to make them aware of the identified values and concerns and the measures outlined in this plan to control sediment and protect fish habitat and surface water quality.

Existing vegetation is to be protected to the maximum extent possible, yet still allow room for construction equipment.

Identified Values and Concerns

To the maximum extent possible, no disturbed soil particles should enter Lake Huron during any aspect of the work.

Short-term introductions of disturbed soil particles should be kept to the lowest practical level and there should be no long-term sources of disturbed soil particles from the completed project.

Pre-Construction Site Activities

Any lay down or spoil piles subject to water erosion and the subsequent transmission of disturbed soil particles into Lake Huron should be surrounded by a silt fence to prevent any migration of soil into the adjacent surface waters. Silt fences should be constructed prior to any material being placed.

Any equipment working adjacent to the water must be free from any leaks of oil, grease or other contaminants. All equipment should be cleaned of all contaminants prior to being brought to the site.

No oil changes or greasing of equipment should take place within 100m of any surface water. A hydrocarbon spill response kit should be on site at all times during the work. Half of the workers on site at any time should be trained in its use.

Inspection and Maintenance

Construction operations will be under the direction of the construction site supervisor to ensure that the erosion and sediment control plan is complied with. Any problems or concerns should be resolved by contacting David Holla at 705-698-7810 or hollaengineering@gmail.com.

Comments resulting from inspections made by regulatory agencies (MNR or DFO) should be made directly to the construction site supervisor who may discuss them with David Holla, as required.

Sequence and Timing

1. Removal of Existing Timber Cribs and Timber Deck-July 16 to August 31, Year 1
2. Installation of New Sheet Pile Sea Wall-Over Winter Year 1
3. Removal of Existing Timber Cribs and Concrete Deck-July 16 to August 31, Year 2
4. Installation of New Wharf (south section)-Over Winter, Year 2
5. Installation of New Floating Docks and Anchors-Spring, Year 2

Construction Sequence and Sediment Control Plan

1. Install a standard turbidity curtain (as per OPSD 219.260) or other appropriate isolation technique to enclose the entire area of the existing docks and wharf (i.e. to surround the entire portion of the project area that is to be removed).
2. Remove the existing docks and wharf and allow the area to settle for a minimum of 48 hours after all materials have been removed. Ensure measures are in place to capture and remove any waste materials so that they are not deposited onto the existing lake bed.
3. Re-install (or maintain) a standard turbidity curtain (as per OPSD 219.260) or other appropriate isolation technique to enclose the entire area of the new wharf. Construct all components of the new wharf (steel piles and concrete and timber deck and sheet pile sea wall) and allow the area to settle for a minimum of 48 hours after all construction has been completed before removal. During the work, contain all concrete being placed and any fines resulting from drilling of the concrete so they cannot enter the adjacent waterbody. Do not wash concrete trucks or equipment on site and do not allow any wash water to enter the adjacent water body.
4. Install a standard turbidity curtain (as per OPSD 219.260) or other appropriate isolation technique to enclose the entire area of the new floating docks and construct the new docks and

associated anchors. Allow the area to settle for a minimum of 48 hours after all construction has been completed before removal. During the work, do not cut or drill any wood over top of the existing waterbody.

- Remove any temporary erosion and sediment control measures and perform a general site clean up.

Accountability

Plan Prepared By:

David Holla, P. Eng.

Fisheries Biologist/Water Resources Engineer, Holla Engineering & Environmental Inc.

Plan Implemented By:

Construction Site Supervisor

9.0 Compensation

The change in habitat as a result of this project is noted in Table 4 below.

Table 4: Habitat Change

Impact Description	General Habitat Change	Existing Habitat Area (m ²)	Final Habitat Area (m ²)	Net Change (m ²)
Removal of Existing Rock Filled Timber Cribs at Existing Docks and Wharf	Enclosed Timber Cribs to Exposed Silt and Sand Substrate	0	450	+450
New Sheet Pile Sea Wall Encroaching Into Open Water Area	Silt and Sand to Steel Wall and Rock Backfill	12 (about 12m by 2m triangle)	0	-12
Installation of New Concrete Warf on Steel Piles	Open Silt and Sand Substrate to Steel Piles	6 (27 piles at 508mm diameter)	0	-6
Six (6) new 4 tonne pinned anchors (each 3.6m by 1.0m)	Exposed Silt and Sand to Concrete	22	0	-22
TOTAL				+410

In general, the removal of the existing timber cribs and replacement with steel piles, steel sheet pile walls and floating docks will result in a net gain of available substrate. No existing aquatic vegetation will be covered by the proposed work.

Overall, there will be a gain of about 410m² of silt and sand substrate.

No compensation is suggested for this work.

10.0 Regulatory Approvals

The following regulatory approvals will likely be required for this work.

Ministry of Natural Resources and Forestry (MNRF) Work Permit

An MNRF work permit application should be submitted to the Sudbury District Office. The current report can be appended in support of this application. Once the application has been submitted, discussions should be held with MNRF personnel to determine the exact approval requirements (in case any additional information or studies are required in support of the application). It is likely that MNRF will require location approval and possibly plans and specifications (engineering) approval, although this should be verified with MNRF. MNRF may require some type of permit to occupy the bed of Lake Huron. MNRF will also decide if any terrestrial or other studies are required to determine the potential values that must be protected on the site and if and how the work can proceed on both Crown Land and private land (due to potential Species at Risk (SAR) Issues under the Species at Risk Act). Typical MNRF work permit approvals (location and plans and specifications approval) can take in the range of 8 to 12 months to obtain. This timeframe does not include the time required to obtain any type of permit to occupy the bed of the lake, which is more of a legal process. In any event, early consultation with MNRF will better define their exact requirements for this project. MNRF can also confirm the exact requirements for DFO review (see below).

Department of Fisheries and Oceans (DFO) Fisheries Act Approval

An application for approval should be submitted to DFO. The current report can be submitted in support of this application. A Request for Review Form (available from the DFO website) should be sent to the DFO Triage Unit. Once the application has been submitted discussions should be held with DFO personnel to determine the exact approval requirements. The project will likely be reviewed by the Coastal and Marine Unit based out of Burlington, Ontario. DFO may require additional studies to be completed in support of this application. The time line for any additional studies is unknown. DFO approvals typically take in the range of 8-12 months once applications have been submitted for approval, assuming no additional studies or other approvals are required.

Navigation Protection Act

Lake Huron is a Scheduled Water under the Navigation Protection Act. The Navigation Protection Act defines a work as “any structure, device or thing-temporary or permanent-made by humans that is in, over, under, through or across any navigable water. To be considered a work it must have some degree of interference with navigation. A work may also include dumping of fill or the excavation of materials from the bed of any navigable water.”

Works meeting the criteria of the *Minor Works Order* are considered “designated works” under the NPA and may proceed without Notice to the Minister as long as they comply with the legal requirements set out in the Order. The classes of works currently established for minor works are:

- Erosion-Protection Works
- Docks and Boathouses
- Boat Ramps, Slipways and Launch Ramps
- Aerial Cables – Power and Telecommunication
- Submarine Cables – Power and Telecommunication
- Pipelines Buried Under the Bed of Navigable Water
- Pipelines and Power or Communication Cables Attached To Existing Works
- Works within a Boomed-Off Area Upstream or Downstream of an Existing Work For Water Control
- Outfalls and Water Intakes
- Dredging
- Mooring Systems

It is possible that the work may fall under the minor work category (Docks and Boathouses), however contact should initially be made with Transport Canada to confirm their requirements.

Should an application be required, the mandatory information requirements for a Notice to the Minister are:

- completed and signed “Notice of Works” form (with all mandatory fields completed),
- map showing the location of the project,
- plan view drawings (top down) with dimensions, and
- profile view drawings (side view) with dimensions.

Certain works may trigger the need to assess potential environmental impacts related to the project. These environmental reviews are required under various pieces of federal legislation or land claim agreements, including the Canadian Environmental Assessment Act, 2012 (CEAA).

This approval requires engineering drawings so is typically completed by the design engineer.

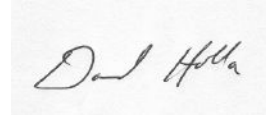
MOEE

If the existing timber cribs contain any creosote products, the MOEE should be contacted to determine if there are any special requirements around the removal and disposal of these materials.

11.0 Summary and Closure

This report provides a description of the existing habitat, the proposed timing of the work and details of construction and mitigation for the project.

Yours truly,



David Holla, P.Eng.
Fisheries Biologist/Water Resources Engineer
Holla Engineering & Environmental Inc.
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Phase I Environmental Site Assessment

Municipality of Killarney

Type of Document:

Report

Project Name:

Municipal Wharf Expansion and Redesign
Killarney, Ontario

Project Number:

SUD-21020314-A0

Prepared By:

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2022-09-20

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1. Executive Summary

EXP Services Inc. (EXP) was retained by the Municipality of Killarney to complete a Phase I Environmental Site Assessment (ESA) for the property located at 21 Channel Street in Killarney, Ontario; hereinafter referred to as the 'Site'. The purpose of this Phase I ESA was to determine if past or present Site activities have resulted in potential contamination at the Site.

The work was completed in accordance with the general requirements of CSA Standard Z768-01, November 2001, which outlines the protocol for Phase I Environmental Site Assessments. As per Z768-01, the scope of work included a review of historical land-use and occupancy records, a visual inspection of the Site and surrounding properties, and interviews with person(s) having knowledge of past and present Site activities.

Please note that general environmental management and housekeeping practices were reviewed as part of this assessment insofar as they could impact the environmental condition of the property; however, a detailed review of regulatory compliance issues was beyond the scope of our investigation.

This Phase I ESA does not constitute an audit of environmental management practices, indicate geotechnical conditions, or identify geologic hazards.

A written response from some of the regulatory agencies typically requires several months to receive. If upon receipt of the response from the regulatory agencies significant environmental issues are identified, EXP will forward their response to the Municipality of Killarney as an addendum to this report.

Based on the results of this Phase I Environmental Site Assessment, a Phase II Environmental Site Assessment is not recommended to assess groundwater and soil quality on the Site.

It is possible unexpected environmental conditions may be encountered on the Site, which have not been explored within the scope of this Phase I ESA summary. Should such an event or land-use change occur, EXP should be notified so we may determine if modifications to our conclusions and recommendations are necessary.

This executive summary is a brief synopsis of the report and should not be read in lieu of reading the report in its entirety.

2. Introduction

EXP Services Inc. (EXP) was retained by the Municipality of Killarney to complete a Phase I Environmental Site Assessment (ESA) for the property located at 21 Channel Street in Killarney, Ontario; hereinafter referred to as the 'Site'. Drawing 1 contained in Appendix A shows the Site plan and its relative location to surroundings.

EXP conducted this Phase I ESA in accordance with the general requirements of CSA Standard Z768-01 (R2016) for Phase I ESAs.

We understand that this Phase I ESA will be used for a due diligence investigation in support of a development.

2.1 Objective

The objective of the Phase I ESA was to identify potential Site contamination or potential contaminating activities.

2.2 Scope of Work

The work was carried out in general accordance with the Canadian Standards Association (CSA) Standard Z768-01 (R2016), 'Phase I Environmental Site Assessment'.

The scope of work included a review of historical land-use and occupancy records, a visual inspection of the Site and surrounding properties, interviews with person(s) having knowledge of past Site activities, and compilation of this information into a Phase I ESA report. Intrusive sampling and analysis were not part of this investigation.

2.3 Deviations

This Phase I ESA does not contain any deviations from the principal components of the CSA Standard Z768-01 (R2016) for Phase I ESAs.

3. Site Description

The Site is a commercial property located at 21 Channel Street in Killarney, Ontario (See Drawing A-1 in Appendix A) and measuring approximately 3000 m². There are apparent residential developments immediately north beyond Channel Street and commercial developments to the east and west of the Site. The Site is bordered by a waterbody (Killarney Channel) to the south. Based on aerial photographs, no structures appear present on the Site in 1985 or 2009. Both the current central and storage structures are present in the 2015 aerial photographs.

The Site is an area with minimal relief and has an elevation of approximately 176 masl. Topographic elevations adjacent to the Site are approximately equal to that of the Site, while elevations appear to increase to the north-northeast with increasing distance away from the Killarney Channel. Overall, the Site and adjacent areas appear to show minimal fluctuations in topographic elevation, while areas further inland appear to have relatively higher elevations. Based on local topography and surrounding waterbodies, groundwater is expected to flow (generally) south-southwest towards Killarney Channel; however, *actual* groundwater flow direction can only be determined by a long-term groundwater elevation investigation in the area. According to currently land-use observations, the Site is zoned for Commercial land-use. As noted above, adjacent properties to the approximate east and west areas of the Site contain commercial developments, while areas north of the Site beyond Channel Street consist of residential developments. The Site is bounded by Killarney Channel to the south.

The main characteristics of the Site Building are included in the following table:

Structure	Building Materials
Floor Surfaces	<ul style="list-style-type: none"> Concrete, laminate
Interior Walls	<ul style="list-style-type: none"> Drywall, wood framing
Exterior Walls	<ul style="list-style-type: none"> Wood siding
Ceilings	<ul style="list-style-type: none"> Wood panelling

The Site is serviced by municipal water and sanitary wastewater is discharged to the municipal sewer system. Electrical services are provided by above ground hydro-lines. The Site building is cooled with an external air conditioning unit and heated with an internal furnace system. Natural gas for the heating system is stored in an AST located at the rear of the central building. As indicated by Mr. Tony Nuziale and the current tenant, the building was constructed in the last eight (8).

4. Records Review/Land-use History

Available public records, as noted below, were reviewed to obtain information and to establish the land-use history of the Site and the adjacent properties.

4.1 Aerial Photographs

Access to aerial photos was limited during this Phase I ESA; however, aerial photographs from Google Earth were used from 1985, 2009, 2015 and 2020 (Appendix C). Observations were as follows:

Aerial Photograph	Details
1985	Low resolution photos make it difficult to determine buildings or other structures located on the Site property or adjacent properties. Based on grid patterns and colors noted in 1985 aerial imagery, there appears to be residential/commercial developments consistent with developments observed in the present. That is, the Site appears to be developed and bounded by residential developments to the north, commercial developments to the east and west, and Killarney Channel to the south.
2009	Resolution is also low in the 2009 image; however, engineered structures (such as docks) can be observed on the Site and adjacent properties.
2015	Aerial photos show the clear presence of multiple structures on the subject property and docks located near the waterfront. Parking areas are also visible to the north-northeast areas of the Site.
2020	No significant changes were noted to the Site when compared to the 2015 aerial imagery. Adjacent properties to the north and west saw minimal changes/developments, while the adjacent property to the east showed the significant developments and the construction of multiple large structures.

4.2 Fire Insurance Plans and Inspection Records

Fire insurance plans and inspection records were not available for the Site at the time of this Phase I ESA.

4.3 Property Use Directories

A Vernon’s search was not ordered for the Site property and surrounding properties due to the location and past land-use on the Site.

4.4 Land Title Search

A land title search was not completed for the Site. The property has always been owned by the Municipality of Killarney and has been leased to the current tenant since, at least, 2014.

4.5 Regulatory Information

Regulatory agencies at the federal, provincial, and municipal levels were searched as part of the EcoLog Environmental Risk Information Services search to obtain information regarding environmental permits, past or pending environmental control orders or complaints, outstanding environmental regulatory non-compliance issues and Sewer Use By-Law infractions.

4.6 Ecolog Environmental Risk Information Limited (ERIS) Report

A search of provincial and federal databases for records pertaining to the Site and adjacent properties was conducted by EcoLog Environmental Risk Information Services (or EcoLog ERIS). EcoLog ERIS is an environmental database and information service provider. EXP has confirmed neither the completeness nor the accuracy of the records that were provided. A copy of the EcoLog ERIS report is provided in Appendix D.

The EcoLog ERIS report identified no items for the Site and a total of 58 plottable records across eight (8) locations within 0.25 km of the Site. Of these eight (8) locations, two (2) were at higher elevations, two (2) were in close proximity and four (4) were at lower elevations relative to the Site. A total of ten (10) records could be considered Potentially Contaminating Activities (PCAs) based on their nature, close proximity to the Site, location on the Site and/or location in an upstream location based on the assumed direction of groundwater flow.

The following is a list of PCAs noted near the Site:

Address	Database	Description	Record Year	Approx. Distance/ Direction from Site Center
Off-Site, Equal/Higher elevation than Site				
29 Channel Street	RST	No details	N/A	161.0 m, WNW
Off-Site, Lower elevation than Site, but in close proximity				
23 Channel Street	RST	Multiple Retail Storage Tanks at Channel Marina	N/A	58.0 m, WNW

7 Channel Street	PRT	Private retail storage tanks – 20000 L	1994	139.0 m, ESE
	FST(H), DTNK	Single Wall UST – 10000 L	1994, 2009	
	FST	Double Wall Horizontal AST – 20000 L (gasoline)	2018	
37 Channel Street	SPL	5 L of diesel spilt discharged into Georgian Bay	2004	246.3 m, WNW
	FST	Multiple Double Wall USTs – one 35000 L diesel tank, one 35000 L gasoline tank (both fibreglass)	2009	
	SPL	Aggregate truck submerged in dock area - spill 20000 kg limestone and > 400 L diesel	2015	
Off-Site, Lower elevation than Site, but in assumed upstream location based on assumed direction of groundwater flow				
32 Commissioner Street	FST	Multiple double wall horizontal ASTs – 13600 L (one diesel and one gasoline). **Based on the Site visit, there is no AST located at 32 Commissioner Street. It is, presumably, located at the Killarney Mountain Lodge (3 Commissioner Street) further east.	2009	183.9 m, NNE

Based on the review of ERIS reports, maps and imagery, and considering the assumed direction of groundwater flow, the duration and nature of each PCA, the length of time that has passed for each PCA, the relative elevation differences between the Site and PCAs, and the infrastructure located between the Site and PCAs, the Site is considered to have a low potential for soil and/or groundwater contamination. Despite the abundance of fuel tanks in adjacent areas, their proximity to a major waterbody suggests there would be minimal lateral movement of groundwater from adjacent properties across the Site property.

It should be noted the locations of PCAs in the ERIS may not be entirely accurate. For instance, Killarney Mountain Lodge ASTs are apparently located at 32 Commissioner Street; however, no ASTs were noted at 32 Commissioner Street during the Site visit. The Killarney Lodge address is, in fact, 3 Commissioner Street. As such, it can be assumed the aforementioned ASTs are located further east at 3 Commissioner Street – the actual location of the Killarney Mountain Lodge.

4.7 Prior Environmental or Geotechnical Reports

No prior Environmental or Geotechnical Reports were available during this Environmental PIEASA.

4.8 Topography

Topographic maps were reviewed from the Ministry of Natural Resources and Forestry and Google Earth. Upon review of the topographic maps, Site and adjacent area topography is generally flat. The maps suggest the Site exists in a regional topographic low, which is consistent with its location near a major waterbody (Lake Huron). Overall, elevations are generally higher north-northeast from the Site in areas further from Killarney Channel, which grade gently downward in the south direction towards the Site and Killarney Channel. As noted, Killarney Channel and, by extension, Georgian Bay (Lake Huron) is the only major waterbody noted adjacent to the Site. As such, groundwater across the Site is expected to flow (generally) south towards Killarney Channel, whereby surface water is carried away from the Site to the open lake.

No environmental concerns were noted upon review of the topographic map.

4.9 Geological and Soil Maps

The following geological maps were reviewed:

Ontario Geological Survey OGS Earth <https://www.geologyontario.mndm.gov.on.ca/ogsearth.html#quaternary-geology> and Ontario Geological Survey OGS Earth <https://www.geologyontario.mndm.gov.on.ca/ogsearth.html#bedrock-geology>.

Bedrock composition below the Site and surrounding areas generally consists of felsic intrusive rocks, including Killarney monzogranite and granitic rocks. Quaternary geology maps suggest there are no significant quaternary geological features underlying the Site or adjacent areas. The depth to bedrock beneath the Site is uncertain; however, outcrops were noted on adjacent properties during the Site visit. It should be noted a large percentage of the Site exists on an engineered dock structure, rather than on native ground.

4.10 Company Records

No company records were available.

4.11 Land-use Documents

A review of the following publications was carried out as part of this Phase I ESA:

- Inventory of Coal Gasification Plant Waste Sites in Ontario (June 1991); and
- Waste Disposal Site Inventory (June 1991).

The review of the above publications did not indicate the presence of any nearby waste disposal Sites or Coal Gasification Plant Sites within one (1) km of the subject property.

4.12 Utility Company Records

No utility records were available at the time of this investigation.

4.13 Public Health Concerns

No public health concerns were observed during EXP's Phase I ESA Site visit.

5. Visual Site Assessment

On September 20, 2022, Jamie Batten of EXP conducted the Site visit in accordance with EXP's internal health and safety protocols and the Ministry of Labour's Health and Safety Regulations. The Site visit was conducted to assess current Site conditions.

Please note that general environmental management and housekeeping practices were reviewed as part of this assessment insofar as they could impact the environmental condition of the property, however, a detailed review of regulatory compliance issues was beyond the scope of our investigation.

Photographs of the Site are included in Appendix B.

5.1 Subject Site

Property Use

The subject Site is located at 21 Channel Street in Killarney, Ontario, as shown in Drawing 1. At the time of the investigation, the subject Site was occupied by a single commercial development – Herbert Fisheries, which included one large central building and a smaller building along the south border of the property near Killarney Channel. A parking lot was also noted in the north area of the Site, while docks were located in the south areas adjacent to the water. The Site is zoned for commercial-use.

Buildings and Structures

A single building was noted in the central area of the Site during the Site visit, while a smaller structure was noted in the South area. The central building was occupied by a fishery and restaurant, while the smaller structure was used for storage.

Limitations at the Site

No limitations were encountered during the time of investigation.

Chemical Inventory, Storage and Handling

No significant amounts of chemicals were observed to be stored at the Site.

Storage Tanks and Containers

No aboveground or underground storage tanks were reported at the Site.

Special Attention Substances

Polychlorinated Biphenyls (PCBs)

The manufacture of PCBs in North America was prohibited under the Toxic Substances Control Act (1977). Their use as a constituent of new products manufactured in or imported into Canada was prohibited by regulations in 1977 and 1980. As such, Sites developed or significantly renovated after 1980 are unlikely to have PCB containing equipment on the Site. Potential equipment, which could contain PCBs, includes fluorescent mercury and sodium vapor light ballasts, oil filled capacitors and transformers. A review of the Site was conducted to evaluate the potential presence of PCB containing equipment in use or stored at the Site.

Any electrical equipment containing PCBs must be disposed in accordance with Ontario Regulation 362 when it is removed from service for disposal (While in operation, any PCB containing devices are not considered PCB until out of service).

No electrical equipment suspected of containing PCBs, such as fluorescent light fixtures, was observed on Site.

Asbestos-Containing Materials (ACMs)

Asbestos-containing materials (ACM's) are fibrous hydrated silicates, and can be found in building materials as either "unbound" or "bound" asbestos. Friable asbestos refers to materials where the asbestos fibres can be separated from the material with which it is associated.

Non-Friable asbestos refers to asbestos, which is associated with a binding agent (such as tar or cement).

Based on the age of the building (2014), no ACMs are suspected on the Site.

Ozone Depleting Substances (ODSs)

Freons and halons consist of chlorofluorocarbons (CFCs), which were banned from production in Canada in 1996, with the ban on their use slated for 2010. The use of these materials is still permitted but a licensed contractor must service equipment, such that CFCs are contained and not released to the environment during servicing or operation.

Under the management of a licensed contractor, CFC containing equipment does not represent a significant threat to human health or the environment. However, these materials, if present, will require replacement by 2010 and as such consideration should be given to future phase out programs.

Maintenance of refrigerant containing equipment, if any, should continue to be completed in compliance with Ontario Regulation 189/94 by a licensed refrigeration contractor. The equipment should only be repaired, removed, or serviced by an appropriately licensed contractor.

A single, privately owned freezer unit was noted in the central building. Due to its age and apparent good condition, it is assumed there is a low probability for extensive ODSs on the Site.

Lead

Lead has frequently been used in oil-based paints, roofing materials, cornices, tank linings, electrical conduits and soft solders for tinsplate and plumbing. The use of lead-based paints (LBPs) was phased out circa 1976. Paint that was produced or used between 1976 and 1980 may contain small amounts of lead. Paint that was produced or used prior to 1950 may contain high levels of lead.

The main concern regarding lead paint is its potential to become lead dust or chips either through deterioration and/or mechanical means (i.e., sanding, abrasion, etc.). Exposure to lead dust or chips occurs by ingestion or inhalation.

Due to the age of the buildings and recent renovations, no LBPs are suspected on the Site.

Urea Formaldehyde Foam Insulation (UFFI)

UFFI was formerly sprayed into cavities of walls and above ceilings as an insulating material and has been discontinued from use since the early 1980's.

Due to the age of the buildings and recent renovations, no UFFI is suspected on the Site.

Mercury

Mercury may be found in some batteries, light bulbs, old paints, thermostats and old mirrors.

Based on an investigation by Consumer and Corporate Affairs Canada, and an assessment of potential health risks by Health and Welfare Canada, in 1991 the decision was made to eliminate the use of mercury compounds in indoor latex paints.

The Canadian Paint and Coatings Association (CPCA) supported the withdrawal and all Canadian manufacturers and formulators of the preservative voluntarily agreed to remove “interior uses” from their product labels.

Due to the age of the buildings and recent renovations, no mercury containing devices or products are suspected on the Site.

Mould

No visible microbial growth or water damage was noted during the Site visit.

Radon

Based on the overburden and bedrock materials underlying the Site, it is unlikely that radon gas emissions would be a concern.

Other Substances

No other special attention substances were observed to be present at the Site at the time of this Phase I ESA.

Unidentified Substances

No unidentified substances were observed to be present at the Site at the time of this Phase I ESA.

Drains and Sumps

No floor drains or sumps were observed on Site.

Building Heating and Cooling Systems

A single unit was noted on the east side of the central building, which appeared in good condition.

Mechanical Equipment

No mechanical equipment was noted during the Site inspection.

Air Emissions

Regulatory control of air emissions in Ontario is the responsibility of the MOE. According to the Environmental Protection Act (EPA), a Certificate of Approval (C of A (Air)) is required for any equipment that may discharge a contaminant into the natural environment if the equipment was installed, modified or altered after June 29, 1988. According to the MOE, permitting of any equipment installed prior to this date, which has not been modified or altered, is not required. The EPA also provides a list of specific equipment and conditions, which are exempt from requiring a C of A (Air) (i.e. fuel burning equipment for comfort heating in a building using natural gas or number 2 fuel oil at a rate of less than 1.5 million British Thermal Units per hour [BTU/hour]).

During the Site visit, no active or passive air emissions from heating appliances, incinerators, boilers, central heating plants etc. were observed at the Site.

Odour

No chemical or other odours were detected during the Site investigation.

Noise

No excessive noise was detected at the Site during the Site investigation.

Sewage and Wastewater Disposal

The site is municipally serviced for both sewage and wastewater disposal.

Liquid Chemical Waste Generation, Storage & Disposal

No concerns regarding liquid waste generation, storage, and disposal were noted during the Site inspection.

Solid Waste Generation, Storage & Disposal

No special or hazardous solid industrial wastes are generated at the Site. Waste is transported by property tenants to the local landfill.

Water Courses, Ditches and Site Drainage

No significant ditches or Site drainage structures were noted at the Site. A single stormwater pipe enters along the northwest boundary of the Site and empties into Killarney Channel.

Abandoned and Existing Well

No abandoned or existing wells were noted on the Site during the Site visit.

Potable Water Sources

The Municipality of Killarney supplies the Site with potable water.

Fill Materials

Fill materials (gravel) were noted on Site during the Site visit. The fill materials were used to grade out the property and are of unknown quality; however, no obvious contamination is expected in the fill material.

Stained Materials

No significant staining was noted at the time of this Phase I ESA.

Stressed Vegetation

No stressed vegetation was noted at the time of this Phase I ESA.

Roads, Parking Facilities and Right of Ways

The Site may be accessed via Channel Street to the North. A parking lot is located in the north area of the Site, north of the central building and south of Channel Street.

Pits and Lagoons

No pits or lagoons were noted on the property at the time of the Site visit.

Other Issues

No other issues were noted during the Site visit.

5.2 Adjacent Properties

Adjacent properties were observed at the time of EXP's Site visit. The findings of the visual reconnaissance of the adjacent properties are as follows:

North – Residential homes beyond Channel Street. Immediately north of the Site are vacant, largely undeveloped lands.

South – Killarney Channel, beyond which are residential developments (cottages) on George Island.

East – LCBO, beyond which is a commercial structure. A general store and AST are located beyond the aforementioned commercial structure. The AST appears in good condition.

West – a boat marina containing boat storage, docks and an AST. The AST appeared to be in good condition.

Based on the visual inspection, no APECs were identified related to adjacent land-use.

6. Interviews

6.1 Methodology

EXP's standard questionnaire was used to conduct an interview with the Site representative. Jamie Batten interviewed Mr. Tony Nuziale (Site Representative) in person on September 20, 2022.

6.2 Limitations

No limitations were encountered during the interview process.

6.3 Interview Participants

Site Personnel

During our evaluation, an interview was held with the following Site personnel:

- Mr. Tony Nuziale (Site representative)

Based on the interview, the following information and issues were identified.

- The Site has always been used as a Herbert Fisheries store front.
- The Site building was constructed in (approximately) 2014.
- No spills or releases < 25 L have occurred (to the best of the contact's knowledge).
- No previous environmental reports/studies have been conducted on the Site (to the best of the contact's knowledge).
- No orders or fines were known to have been issued to the Site by government authorities.
- No drainage systems are on-site. Drainage generally occurs through infiltration.
- Gravel was moved to the Site to grade out the property. Gravel was likely provided by Sand and Gravel (Sudbury) or B Thomas Bulldozing (Alban)
- Current owner of the Site is the Municipality of Killarney.

Based on the interview, no APECs were identified on the Site.

Occupants of Site

The Site is currently occupied by Herbert Fisheries, which includes a fish processing facility and restaurant.

Third Parties

Third parties were not interviewed during this Phase I ESA; however, the current tenant provided access to the Site building.

Government Officials

No government officials were interviewed during this Phase I ESA.

7. Conclusions

The results of this Phase I ESA did not identify any significant APECs on the Site. Although the exact origin of the fill material is unknown, its small volume and assumed probable suppliers suggest a low probability of contaminated fill on the Site. In addition, despite the presence of ASTs on adjacent properties east and west of the Site, the Site's close proximity to a major waterbody and the assumed direction of groundwater flow suggests minimal lateral movement of groundwater from adjacent properties onto the Site. As such, there is a low probability of contamination of the Site due to ASTs located at adjacent properties.

8. Recommendations

Based on the results of this Phase I Environmental Site Assessment, a Phase II Environmental Site Assessment is not recommended to assess groundwater and soil quality on the Site.

It is possible that unexpected environmental conditions may be encountered on the Site, which has not been explored within the scope of this Phase I ESA summary. Should such an event or land-use change occur, EXP should be notified in order to determine if modifications to our conclusions and recommendations are necessary.

9. Qualifications of Assessor

EXP provides a full range of environmental services through a full-time Environmental Services Group.

EXP's Earth and Environment Group has developed a strong working relationship with clients in both the private and public sectors and has developed a positive relationship with Ontario Ministry of the Environment. Personnel in the numerous branch offices form part of a large network of full-time dedicated environmental professionals in the EXP organization.

The records review was completed by Yves Beauparlant, P.Eng., and the Site visit and data review/assessment was completed by Jamie Batten, GIT. All members of the team have been trained in conducting Phase I ESAs in accordance with the CSA Standard.

Jamie Batten, GIT is an Environmental Technologist and has conducted numerous Phase I ESAs for commercial/industrial/residential clients and government agencies, and is routinely engaged in this field.

Yves Beauparlant, P.Eng. is a Professional Engineer with EXP who has broad experience in a wide range of engineering projects including numerous Phase I and II ESA's, remediation and abatement projects and is currently the Manager of Earth and Environmental Services for Northeastern Ontario.

10. Limitations

The information presented in this report is based on information provided by others and visual observations as identified herein. This type of limited investigation is designed to provide information to support an overall Phase I Environmental Site Assessment (ESA) of the current environmental conditions of the Site. Sampling and analysis of soils, groundwater, and other material was not carried out as part of this investigation. The findings cannot be extended to portions of the Site, which were unavailable for direct observation at the time of EXP's observations.

The role of the Site assessor is to document evidence of contamination and not to judge the acceptability of risks associated with contamination (Clause 0.2.7 of CSA Z768-01). To further reduce or eliminate uncertainty would require a Phase II investigation.

It should be noted that some of the information and resultant conclusions of a Phase I are time sensitive.

Achieving the objectives stated in this report has required us to arrive at conclusions based upon the best information presently known to us. No investigative method can completely eliminate the possibility of obtaining partially imprecise or incomplete information; it can only reduce the possibility to an acceptable level. Professional judgment was exercised in gathering and analyzing the information obtained and in the formulation of the conclusions. Like all professional persons rendering advice, we do not act as absolute insurers of the conclusions we reach, but we commit ourselves to care and competence in reaching those conclusions.

It should also be noted that current environmental guidelines and regulations are subject to change, and such changes, when put into effect, could alter the conclusions and recommendations noted throughout this report.

The conclusions and recommendations noted throughout this report reflect existing Site conditions with respect to the current environmental condition of the Site at the time of this assessment summary. Compliance of past owners with applicable environmental regulations was not within the scope of this Phase I ESA summary.

It is possible that unexpected environmental conditions may be encountered on the Site, which has not been explored within the scope of this Phase I ESA summary. Should such an event occur, EXP should be notified in order that we may determine if modifications to our conclusions are necessary.

This summary report has been prepared in accordance with accepted environmental study and/or engineering practices for a Phase I ESA (CSA Standard Z768-01). No other warranties, either expressed or implied, are made as to the professional services provided under the terms of the Phase I ESA and included in this summary report.

This report was prepared by EXP for the exclusive use of the Municipality of Killarney and may not be reproduced in whole or in part, without the prior written consent of EXP, or used or relied upon in whole or in part by a party other than the Municipality of Killarney.

Any use which a third party makes of this report, or any part thereof, or any reliance on or decisions to be made based on it, are the sole responsibility of such third parties. EXP Services Inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

11. Closure

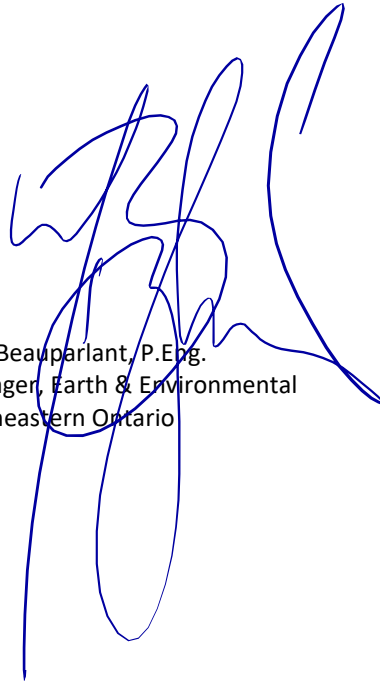
We trust that these comments provide you with sufficient information to proceed with design. Should you have any questions, please do not hesitate to contact this office.

Yours truly,

EXP Services Inc.



Jamie Batten, GIT
Environmental Technologist, Earth & Environmental
Northeastern Ontario



Yves Beauparlant, P.Eng.
Manager, Earth & Environmental
Northeastern Ontario

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7. Waste Disposal Site Inventory. Waste Management Branch Ontario Ministry of the Environment, June 1991.
8. Ontario Inventory of PCB Storage Sites. Ontario Ministry of the Environment, 1993- 2003-2004.
9. Hazardous Waste Information Network (HWIN, 1986-2005).

Appendix A - Drawings



Approximate Site Boundary



Approximate Retail Fuel Storage Tank Location



REVISIONS		
No.	DESCRIPTION	DATE

Appendix B – Site Photographs



Photograph No. 1
View of the Site from the SW corner (looking NE).



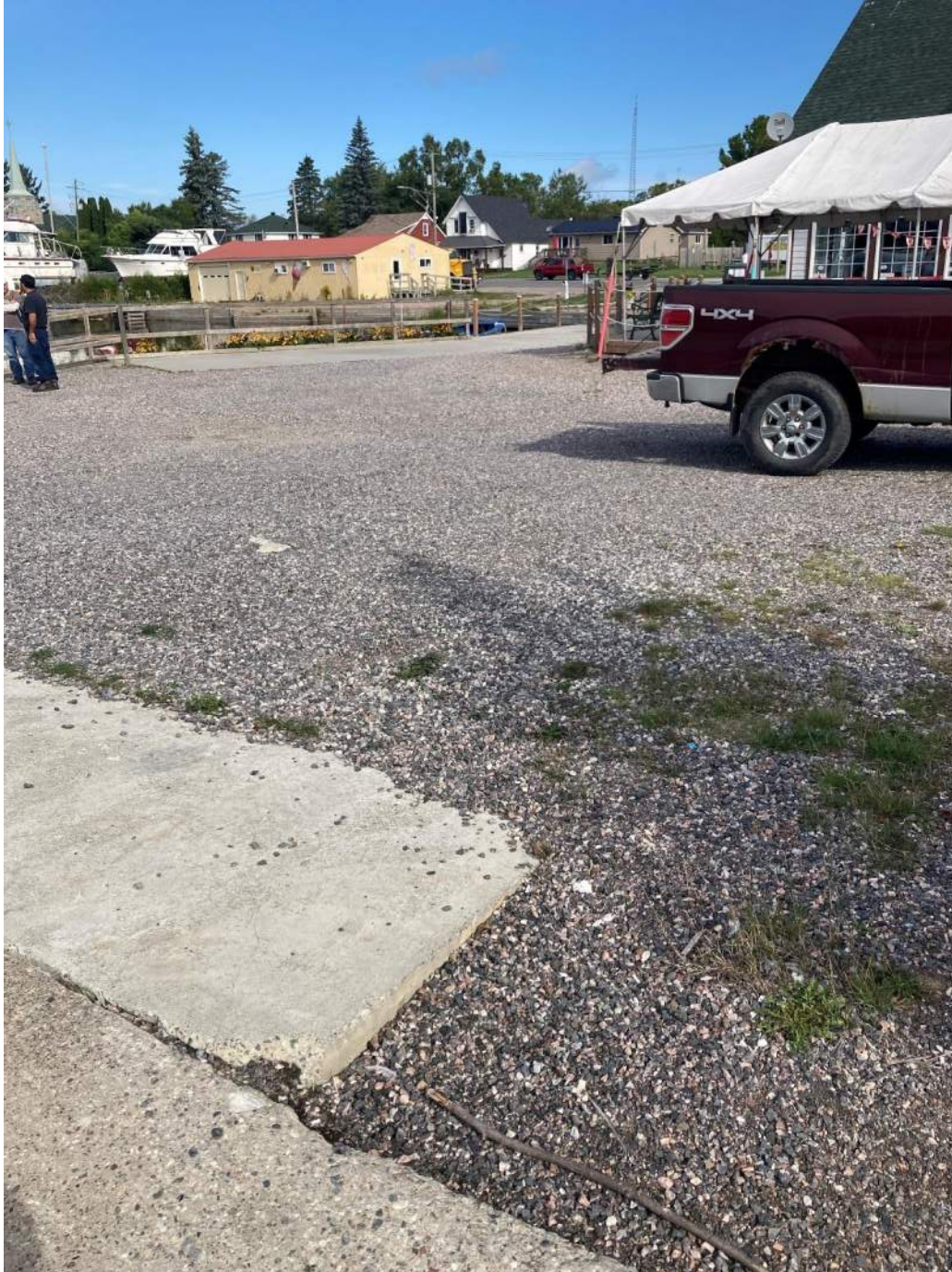
Photograph No. 2
Property line along south side of the Site (Killarney Channel along right side of image).



Photograph No. 3
Storage shed along south border of the Site.



Photograph No. 4
View of the Site from the SE corner (looking NW).



Photograph No. 5
Thin layer of gravel fill used to grade the Site.



Photograph No. 6
Propane storage tank in east-central area of the Site.



**Photograph No. 7 –
South side of central building.**



Photograph No. 8
Storage building in south area of the Site.



Photograph No. 9
Circuit board and electrical box in south area of Site.



Photograph No. 10
AST on property west adjacent to Site.



Photograph No. 11
Air conditioning unit on east wall of central building.



Photograph No. 12
General cleaning supplies in upstairs storage area of central building.



Photograph No. 13
Furnace system and controls in upstairs storage area of central building.



Photograph No. 14
Water heater in upstairs storage area of central building.



Photograph No. 15
Interior walls and ceiling materials of central building. Outside walls consisted of siding.



Photograph No. 16
Interior flooring of central building.



Photograph No. 17
Storm sewer discharge to Killarney Channel in northwest area of the Site.



Photograph No. 18
View of the Site from the NW corner (looking SE).



Photograph No. 19
View of the Site from the NE corner (looking SW).



Photograph No. 20
Apparent vacant lot immediately north of Site, beyond Channel Street.



Photograph No. 21
Natural ground (left of retaining wall) and engineered ground (right of retaining wall) boundary.



Photograph No. 22
AST located adjacent to generally store, east of the Site.



Photograph No. 23
Retail freezer unit on north side of central building (good condition).

Appendix C – Aerial Photographs



Approximate Site Boundary

120 m

Image: Landsat / Copernicus

exp Services Inc.
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 Sudbury, ON P3E 5M4
 Canada



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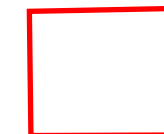
REVISIONS		
No.	DESCRIPTION	DATE

TITLE:
PHASE I ESA
1985 AERIAL PHOTOGRAPH

PROJECT NO.:
SUD-21020314-A0

PROJECT AND LOCATION:
Municipal Wharf Expansion and Redesign
Killarney, Ontario

DATE: September 2022 **SCALE:** **DWG NO.:** 2



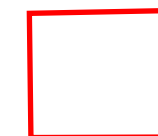
Approximate Site Boundary

REVISIONS		
No.	DESCRIPTION	DATE

TITLE: PHASE I ESA 2009 AERIAL PHOTOGRAPH	
PROJECT NO. SUD-21020314-A0	

PROJECT AND LOCATION: Municipal Wharf Expansion and Redesign Killarney, Ontario	
DATE September 2022	SCALE:

DATE September 2022	SCALE: 	DWG NO. 3
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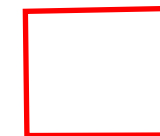
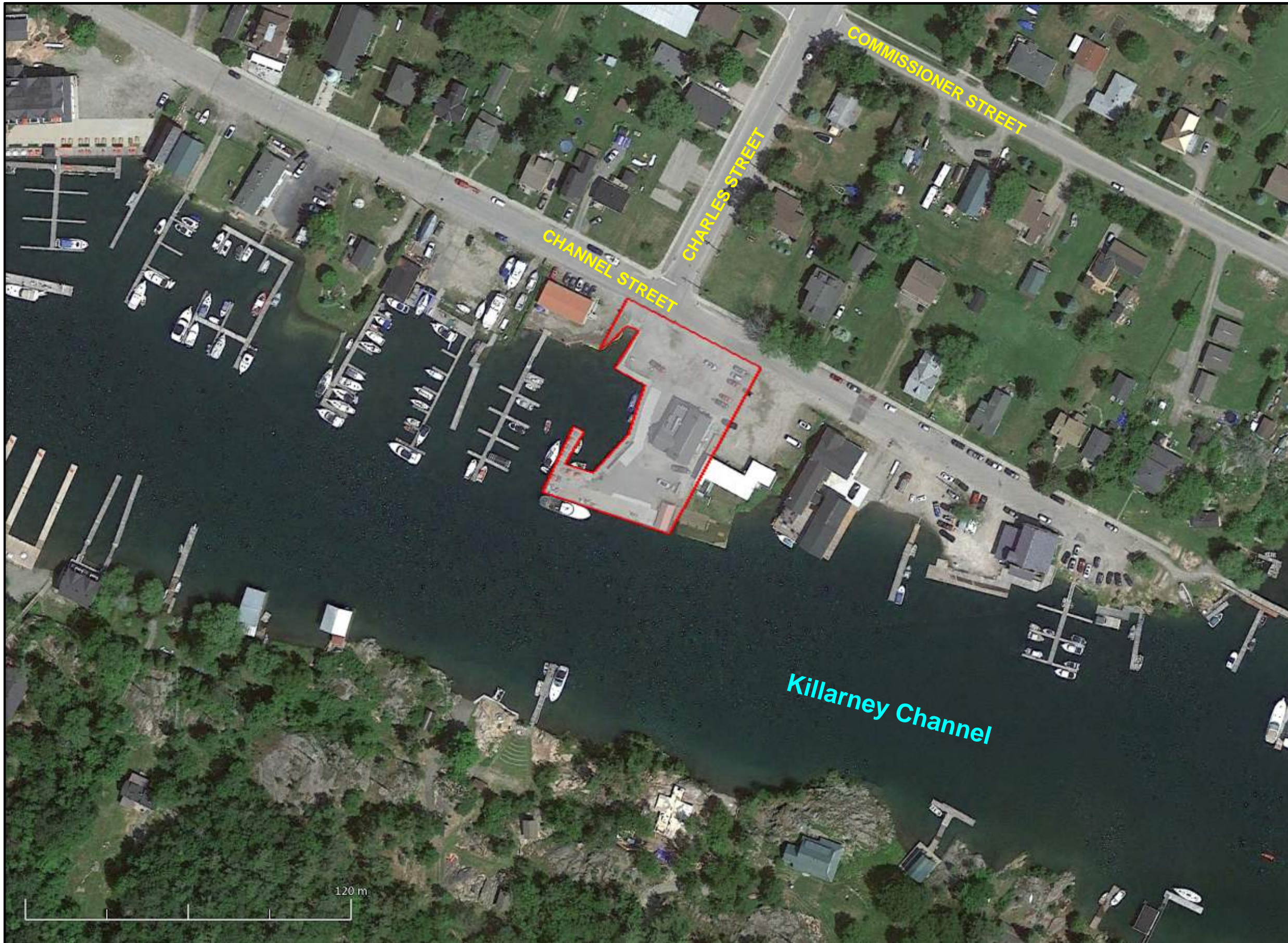
Approximate Site Boundary



REVISIONS		
No.	DESCRIPTION	DATE

TITLE: PHASE I ESA 2015 AERIAL PHOTOGRAPH
PROJECT NO. SUD-21020314-A0

PROJECT AND LOCATION: Municipal Wharf Expansion and Redesign Killarney, Ontario		
DATE September 2022	SCALE:	DWG NO. 4



Approximate Site Boundary



REVISIONS		
No.	DESCRIPTION	DATE

TITLE: PHASE I ESA 2020 AERIAL PHOTOGRAPH
PROJECT NO. SUD-21020314-A0

PROJECT AND LOCATION: Municipal Wharf Expansion and Redesign Killarney, Ontario		
DATE: September 2022	SCALE:	DWG NO. 5

Appendix D – Records Search



DATABASE REPORT

Project Property: *Killarney Wharf Geotechnical
Herbert Fisheries
Killarney ON P0M 2A0*

Project No: *SUD-21020314-A0*

Report Type: *Standard Report*

Order No: *22091303841*

Requested by: *exp Services Inc.*

Date Completed: *September 16, 2022*

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Executive Summary

Property Information:

Project Property: Killarney Wharf Geotechnical
Herbert Fisheries Killarney ON P0M 2A0

Project No: SUD-21020314-A0

Coordinates:

Latitude: 45.9702289
Longitude: -81.5123419
UTM Northing: 5,090,867.33
UTM Easting: 460,306.93
UTM Zone: 17T

Elevation: 594 FT
181.00 M

Order Information:

Order No: 22091303841
Date Requested: September 13, 2022
Requested by: exp Services Inc.
Report Type: Standard Report

Historical/Products:

ERIS Xplorer [ERIS Xplorer](#)

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AST	<i>Aboveground Storage Tanks</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking & Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	0	0
CA	<i>Certificates of Approval</i>	Y	0	2	2
CDRY	<i>Dry Cleaning Facilities</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Manufacturers and Distributors</i>	Y	0	0	0
CHM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
DTNK	<i>Delisted Fuel Tanks</i>	Y	0	9	9
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	1	1
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	8	8
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	3	3
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EPAR	<i>Environmental Penalty Annual Report</i>	Y	0	0	0
EXP	<i>List of Expired Fuels Safety Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries & Oceans Fuel Tanks</i>	Y	0	0	0
FRST	<i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	9	9
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	1	1
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	11	11
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	0	0
IAFT	<i>Indian & Northern Affairs Fuel Tanks</i>	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
INC	<i>Fuel Oil Spills and Leaks</i>	Y	0	0	0
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0
NCPL	<i>Non-Compliance Reports</i>	Y	0	1	1
NDFT	<i>National Defense & Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense & Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence & Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBP	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory</i>	Y	0	0	0
OGWE	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PINC	<i>Pipeline Incidents</i>	Y	0	0	0
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	2	2
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	0	0
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	7	7
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	0	0
SPL	<i>Ontario Spills</i>	Y	0	4	4
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	0	0	0
Total:			0	58	58

Executive Summary: Site Report Summary - Project Property

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

Executive Summary: Site Report Summary - Surrounding Properties

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
1	RST	CHANNEL MARINA	23 CHANNEL GD KILLARNEY ON P0M 2A0	WNW/58.0	-1.30	22
1	RST	CHANNEL MARINA	23 CHANNEL ST KILLARNEY ON P0M2A0	WNW/58.0	-1.30	22
1	RST	CHANNEL MARINA	23 CHANNEL ST KILLARNEY ON P0M2A0	WNW/58.0	-1.30	22
1	EHS		23 Channel Street Killarney ON P0M 2A0	WNW/58.0	-1.30	22
1	EHS		23 Channel Street Killarney ON P0M 2A0	WNW/58.0	-1.30	22
2	EHS		11 Channel St Killarney ON P0M2A0	E/101.0	0.09	23
3	CA	Killarney Water Treatment Plant	27 Channel Street Killarney ON P0M 2A0	WNW/114.9	-1.17	23
3	SPL	The Corporation of the Municipality of Killarney	George Island; 27 Channel Street Killarney; Killarney ON P0M 2A0	WNW/114.9	-1.17	23
3	NCPL	The Corporation of the Municipality of Killarney - Killarney Lagoon	27 Channel St Killarney ON P0M 2A0	WNW/114.9	-1.17	24
3	CA	The Corporation of the Municipality of Killarney	27 Channel Street Killarney ON P0M 2A0	WNW/114.9	-1.17	24
3	EASR	MUNICIPALITY OF KILLARNEY	27 Channel ST Killarney ON P0M 2A0	WNW/114.9	-1.17	24
3	ECA	The Corporation of the Municipality of Killarney	27 Channel Street Killarney ON P0M 2A0	WNW/114.9	-1.17	25

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>3</u>	ECA	The Corporation of the Municipality of Killarney	27 Channel Street Killarney ON P0M 2A0	WNW/114.9	-1.17	<u>25</u>
<u>3</u>	ECA	The Corporation of the Municipality of Killarney	27 Channel Street Killarney ON P0M 2A0	WNW/114.9	-1.17	<u>25</u>
<u>3</u>	ECA	The Corporation of the Municipality of Killarney	27 Channel St Killarney ON P0M 2A0	WNW/114.9	-1.17	<u>26</u>
<u>3</u>	ECA	The Corporation of the Municipality of Killarney	27 Channel Street Killarney ON P0M 2A0	WNW/114.9	-1.17	<u>26</u>
<u>3</u>	ECA	The Corporation of the Municipality of Killarney	27 Channel Street Killarney ON P0M 2A0	WNW/114.9	-1.17	<u>26</u>
<u>3</u>	ECA	The Corporation of the Municipality of Killarney	27 Channel Street Killarney ON P0M 2A0	WNW/114.9	-1.17	<u>26</u>
<u>3</u>	SPL		27 Channel St Killarney ON NA	WNW/114.9	-1.17	<u>27</u>
<u>4</u>	PRT	PITFIELDS KILLARNEY GENERAL STORE	7 CHANNEL ST KILLARNEY ON P0M 2A0	ESE/139.0	-1.28	<u>27</u>
<u>4</u>	PRT		7 CHANNEL ST. KILLARNEY ON P0M 2A0	ESE/139.0	-1.28	<u>27</u>
<u>4</u>	FSTH	PITFIELDS KILLARNEY GENERAL STORE	7 CHANNEL ST KILLARNEY ON P0M 2A0	ESE/139.0	-1.28	<u>28</u>
<u>4</u>	FST	PITFIELDS KILLARNEY GENERAL STORE	7 CHANNEL ST KILLARNEY P0M 2A0 ON CA ON	ESE/139.0	-1.28	<u>28</u>
<u>4</u>	FST	PITFIELDS KILLARNEY GENERAL STORE	7 CHANNEL ST KILLARNEY P0M 2A0 ON CA ON	ESE/139.0	-1.28	<u>28</u>
<u>4</u>	DTNK	PITFIELDS KILLARNEY GENERAL STORE	7 CHANNEL ST KILLARNEY P0M 2A0 ON CA ON	ESE/139.0	-1.28	<u>29</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
4	DTNK	PITFIELDS KILLARNEY GENERAL STORE	7 CHANNEL ST KILLARNEY P0M 2A0 ON CA ON	ESE/139.0	-1.28	30
4	DTNK		7 CHANNEL ST KILLARNEY ON P0M 2A0	ESE/139.0	-1.28	30
4	FST	PITFIELDS KILLARNEY GENERAL STORE	7 CHANNEL ST KILLARNEY P0M 2A0 ON CA ON	ESE/139.0	-1.28	31
5	RST	GATEWAY MARINE & STORAGE INC	29 CHANNEL GD KILLARNEY ON P0M 2A0	WNW/161.0	0.43	31
5	RST	GATEWAY MARINE & STORAGE INC	29 CHANNEL ST KILLARNEY ON P0M2A0	WNW/161.0	0.43	31
6	FST	KILLARNEY MOUNTAIN LODGE LTD	32 COMMISSIONER ST KILLARNEY P0M 2A0 ON CA ON	NNE/183.9	-0.69	32
6	FST	KILLARNEY MOUNTAIN LODGE LTD	32 COMMISSIONER ST KILLARNEY P0M 2A0 ON CA ON	NNE/183.9	-0.69	32
7	GEN	Killarney Health Centre	34A Commissioner St Killarney ON P0M 2A)	N/195.3	-0.69	33
7	GEN	Killarney Health Centre	34A Commissioner St Killarney ON P0M 2A)	N/195.3	-0.69	33
7	GEN	Killarney Health Centre	34A Commissioner St Killarney ON P0M 2A)	N/195.3	-0.69	33
7	GEN	Killarney Health Centre	34A Commissioner St Killarney ON	N/195.3	-0.69	34
7	ECA	The Corporation of the Municipality of Killarney	34 Commissioner Street Killarney ON P0M 2A0	N/195.3	-0.69	34

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
7	GEN	Killarney Health Centre	34A Commissioner St Killarney ON P0M 2A)	N/195.3	-0.69	34
7	GEN	Killarney Health Centre	34A Commissioner St Killarney ON P0M 2A)	N/195.3	-0.69	35
7	GEN	Killarney Health Centre	34A Commissioner St Killarney ON P0M 2A)	N/195.3	-0.69	35
7	GEN	Killarney Health Centre	34A Commissioner St Killarney ON P0M 2A)	N/195.3	-0.69	35
7	GEN	Killarney Health Centre	34A Commissioner St Killarney ON P0M 2A)	N/195.3	-0.69	35
7	GEN	Killarney Health Centre	34A Commissioner St Killarney ON P0M 2A)	N/195.3	-0.69	35
7	GEN	Killarney Health Centre	34A Commissioner St Killarney ON P0M 2A)	N/195.3	-0.69	36
7	GEN	Killarney Health Centre	34A Commissioner St Killarney ON P0M 2A)	N/195.3	-0.69	36
8	SPL	Sportsman's Lodge	37 Channel Street, Killarney Killarney ON P0M 2A0	WNW/246.3	-1.69	36
8	RST	SPORTSMAN'S INN THE	37 CHANNEL GD KILLARNEY ON P0M 2A0	WNW/246.3	-1.69	37
8	DTNK	002167302 ONTARIO INC O/A SPORTSMAN'S INN	37 CHANNEL ST KILLARNEY ON	WNW/246.3	-1.69	37
8	DTNK	002167302 ONTARIO INC O/A SPORTSMAN'S INN	37 CHANNEL ST KILLARNEY ON	WNW/246.3	-1.69	38
8	DTNK	002167302 ONTARIO INC O/A SPORTSMAN'S INN	37 CHANNEL ST KILLARNEY ON	WNW/246.3	-1.69	38
8	FST	SPORTSMAN INN LIMITED	37 CHANNEL ST KILLARNEY P0M 2A0 ON CA ON	WNW/246.3	-1.69	39

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>8</u>	FST	SPORTSMAN INN LIMITED	37 CHANNEL ST KILLARNEY P0M 2A0 ON CA ON	WNW/246.3	-1.69	<u>39</u>
<u>8</u>	RST	SPORTSMAN'S INN THE	37 CHANNEL ST KILLARNEY ON P0M2A0	WNW/246.3	-1.69	<u>40</u>
<u>8</u>	DTNK	002167302 ONTARIO INC O/A SPORTSMAN'S INN	37 CHANNEL ST KILLARNEY P0M 2A0 ON CA ON	WNW/246.3	-1.69	<u>40</u>
<u>8</u>	DTNK	002167302 ONTARIO INC O/A SPORTSMAN'S INN	37 CHANNEL ST KILLARNEY P0M 2A0 ON CA ON	WNW/246.3	-1.69	<u>41</u>
<u>8</u>	SPL	Coco Paving Inc.	37 Channel St Killarney ON P0M 2A0	WNW/246.3	-1.69	<u>41</u>
<u>8</u>	DTNK		37 CHANNEL ST KILLARNEY ON P0M 2A0	WNW/246.3	-1.69	<u>42</u>
<u>8</u>	FST	002167302 ONTARIO INC O/A SPORTSMAN'S INN	37 CHANNEL ST KILLARNEY P0M 2A0 ON CA ON	WNW/246.3	-1.69	<u>42</u>
<u>8</u>	FST	002167302 ONTARIO INC O/A SPORTSMAN'S INN	37 CHANNEL ST KILLARNEY P0M 2A0 ON CA ON	WNW/246.3	-1.69	<u>43</u>

Executive Summary: Summary By Data Source

CA - Certificates of Approval

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

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
The Corporation of the Municipality of Killarney	27 Channel Street Killarney ON P0M 2A0	WNW	114.94	<u>3</u>
Killarney Water Treatment Plant	27 Channel Street Killarney ON P0M 2A0	WNW	114.94	<u>3</u>

DTNK - Delisted Fuel Tanks

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

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
PITFIELDS KILLARNEY GENERAL STORE	7 CHANNEL ST KILLARNEY P0M 2A0 ON CA ON	ESE	139.00	<u>4</u>
PITFIELDS KILLARNEY GENERAL STORE	7 CHANNEL ST KILLARNEY P0M 2A0 ON CA ON	ESE	139.00	<u>4</u>
	7 CHANNEL ST KILLARNEY ON P0M 2A0	ESE	139.00	<u>4</u>
002167302 ONTARIO INC O/A SPORTSMAN'S INN	37 CHANNEL ST KILLARNEY P0M 2A0 ON CA ON	WNW	246.31	<u>8</u>
002167302 ONTARIO INC O/A SPORTSMAN'S INN	37 CHANNEL ST KILLARNEY ON	WNW	246.31	<u>8</u>
002167302 ONTARIO INC O/A SPORTSMAN'S INN	37 CHANNEL ST KILLARNEY ON	WNW	246.31	<u>8</u>

002167302 ONTARIO INC O/A SPORTSMAN'S INN	37 CHANNEL ST KILLARNEY ON	WNW	246.31	<u>8</u>
	37 CHANNEL ST KILLARNEY ON P0M 2A0	WNW	246.31	<u>8</u>
002167302 ONTARIO INC O/A SPORTSMAN'S INN	37 CHANNEL ST KILLARNEY P0M 2A0 ON CA ON	WNW	246.31	<u>8</u>

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011- Jul 31, 2022 has found that there are 1 EASR site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
MUNICIPALITY OF KILLARNEY	27 Channel ST Killarney ON P0M 2A0	WNW	114.94	<u>3</u>

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Jul 31, 2022 has found that there are 8 ECA site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
The Corporation of the Municipality of Killarney	27 Channel Street Killarney ON P0M 2A0	WNW	114.94	<u>3</u>
The Corporation of the Municipality of Killarney	27 Channel Street Killarney ON P0M 2A0	WNW	114.94	<u>3</u>
The Corporation of the Municipality of Killarney	27 Channel Street Killarney ON P0M 2A0	WNW	114.94	<u>3</u>
The Corporation of the Municipality of Killarney	27 Channel St Killarney ON P0M 2A0	WNW	114.94	<u>3</u>
The Corporation of the Municipality of Killarney	27 Channel Street Killarney ON P0M 2A0	WNW	114.94	<u>3</u>

The Corporation of the Municipality of Killarney	27 Channel Street Killarney ON P0M 2A0	WNW	114.94	3
The Corporation of the Municipality of Killarney	27 Channel Street Killarney ON P0M 2A0	WNW	114.94	3
The Corporation of the Municipality of Killarney	34 Commissioner Street Killarney ON P0M 2A0	N	195.27	7

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jul 31, 2022 has found that there are 3 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	11 Channel St Killarney ON P0M2A0	E	100.96	2

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	23 Channel Street Killarney ON P0M 2A0	WNW	58.00	1
	23 Channel Street Killarney ON P0M 2A0	WNW	58.00	1

FST - Fuel Storage Tank

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

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
PITFIELDS KILLARNEY GENERAL STORE	7 CHANNEL ST KILLARNEY P0M 2A0 ON CA ON	ESE	139.00	4
PITFIELDS KILLARNEY GENERAL STORE	7 CHANNEL ST KILLARNEY P0M 2A0 ON CA ON	ESE	139.00	4

PITFIELDS KILLARNEY GENERAL STORE	7 CHANNEL ST KILLARNEY P0M 2A0 ON CA ON	ESE	139.00	4
KILLARNEY MOUNTAIN LODGE LTD	32 COMMISSIONER ST KILLARNEY P0M 2A0 ON CA ON	NNE	183.94	6
KILLARNEY MOUNTAIN LODGE LTD	32 COMMISSIONER ST KILLARNEY P0M 2A0 ON CA ON	NNE	183.94	6
SPORTSMAN INN LIMITED	37 CHANNEL ST KILLARNEY P0M 2A0 ON CA ON	WNW	246.31	8
SPORTSMAN INN LIMITED	37 CHANNEL ST KILLARNEY P0M 2A0 ON CA ON	WNW	246.31	8
002167302 ONTARIO INC O/A SPORTSMAN'S INN	37 CHANNEL ST KILLARNEY P0M 2A0 ON CA ON	WNW	246.31	8
002167302 ONTARIO INC O/A SPORTSMAN'S INN	37 CHANNEL ST KILLARNEY P0M 2A0 ON CA ON	WNW	246.31	8

FSTH - Fuel Storage Tank - Historic

A search of the FSTH database, dated Pre-Jan 2010* has found that there are 1 FSTH site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
PITFIELDS KILLARNEY GENERAL STORE	7 CHANNEL ST KILLARNEY ON P0M 2A0	ESE	139.00	4

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Apr 30, 2022 has found that there are 11 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Killarney Health Centre	34A Commissioner St Killarney ON P0M 2A)	N	195.27	7

Killarney Health Centre	34A Commissioner St Killarney ON P0M 2A)	N	195.27	7
Killarney Health Centre	34A Commissioner St Killarney ON P0M 2A)	N	195.27	7
Killarney Health Centre	34A Commissioner St Killarney ON P0M 2A)	N	195.27	7
Killarney Health Centre	34A Commissioner St Killarney ON P0M 2A)	N	195.27	7
Killarney Health Centre	34A Commissioner St Killarney ON P0M 2A)	N	195.27	7
Killarney Health Centre	34A Commissioner St Killarney ON P0M 2A)	N	195.27	7
Killarney Health Centre	34A Commissioner St Killarney ON P0M 2A)	N	195.27	7
Killarney Health Centre	34A Commissioner St Killarney ON P0M 2A)	N	195.27	7
Killarney Health Centre	34A Commissioner St Killarney ON P0M 2A)	N	195.27	7
Killarney Health Centre	34A Commissioner St Killarney ON P0M 2A)	N	195.27	7
Killarney Health Centre	34A Commissioner St Killarney ON	N	195.27	7

NCPL - Non-Compliance Reports

A search of the NCPL database, dated Dec 31, 2020 has found that there are 1 NCPL site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
The Corporation of the Municipality of Killarney - Killarney Lagoon	27 Channel St Killarney ON P0M 2A0	WNW	114.94	3

PRT - Private and Retail Fuel Storage Tanks

A search of the PRT database, dated 1989-1996* has found that there are 2 PRT site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	7 CHANNEL ST. KILLARNEY ON P0M 2A0	ESE	139.00	<u>4</u>
PITFIELDS KILLARNEY GENERAL STORE	7 CHANNEL ST KILLARNEY ON P0M 2A0	ESE	139.00	<u>4</u>

RST - Retail Fuel Storage Tanks

A search of the RST database, dated 1999-May 31, 2022 has found that there are 7 RST site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
GATEWAY MARINE & STORAGE INC	29 CHANNEL ST KILLARNEY ON P0M2A0	WNW	160.95	<u>5</u>
GATEWAY MARINE & STORAGE INC	29 CHANNEL GD KILLARNEY ON P0M 2A0	WNW	160.95	<u>5</u>

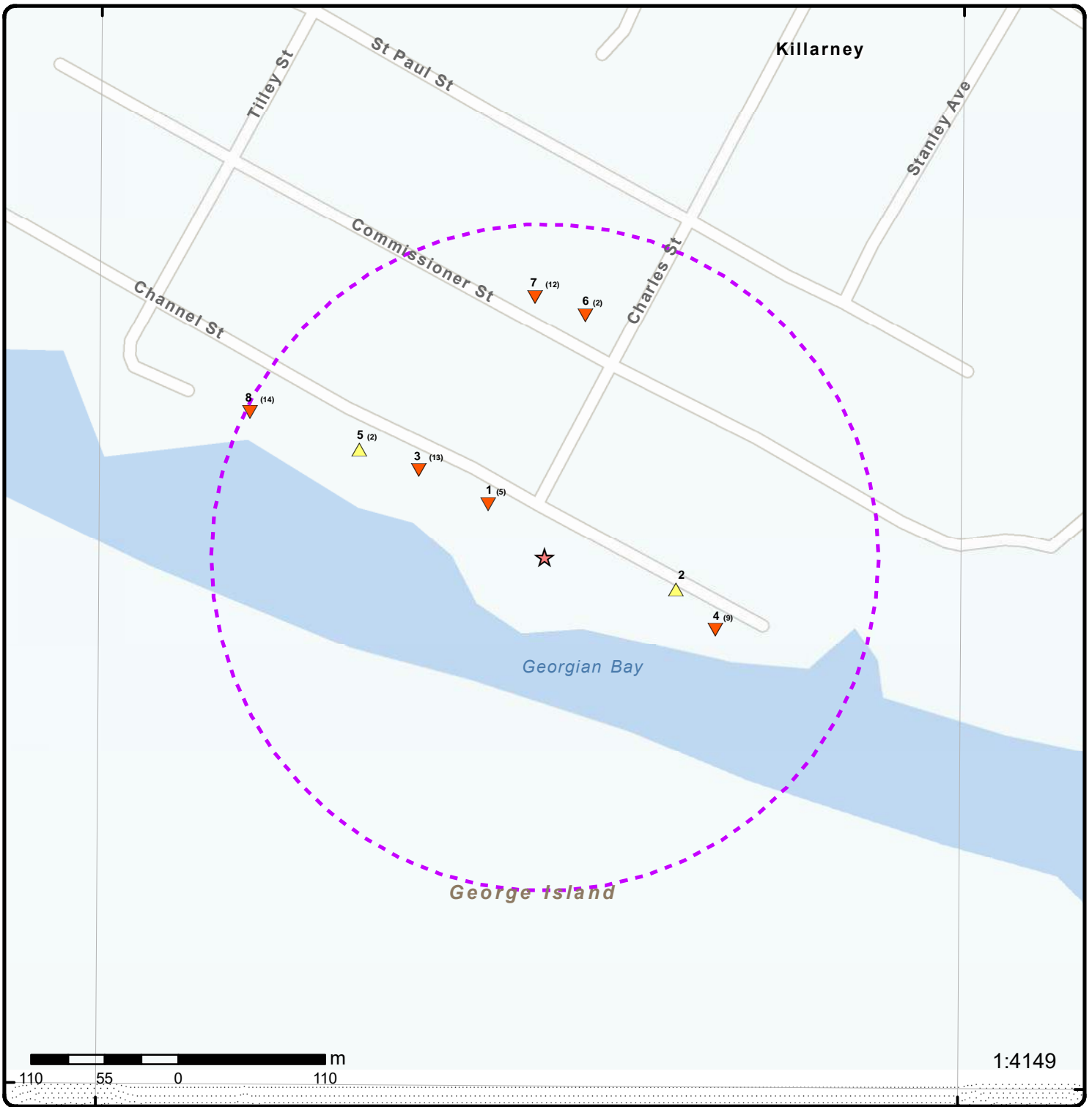
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
CHANNEL MARINA	23 CHANNEL ST KILLARNEY ON P0M2A0	WNW	58.00	<u>1</u>
CHANNEL MARINA	23 CHANNEL GD KILLARNEY ON P0M 2A0	WNW	58.00	<u>1</u>
CHANNEL MARINA	23 CHANNEL ST KILLARNEY ON P0M2A0	WNW	58.00	<u>1</u>
SPORTSMAN'S INN THE	37 CHANNEL GD KILLARNEY ON P0M 2A0	WNW	246.31	<u>8</u>

SPORTSMAN'S INN THE	37 CHANNEL ST KILLARNEY ON P0M2A0	WNW	246.31	<u>8</u>
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SPL - Ontario Spills

A search of the SPL database, dated 1988-Sep 2020; Dec 2020-Mar 2021 has found that there are 4 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	27 Channel St Killarney ON NA	WNW	114.94	<u>3</u>
The Corporation of the Municipality of Killarney	George Island; 27 Channel Street Killarney; Killarney ON P0M 2A0	WNW	114.94	<u>3</u>
Coco Paving Inc.	37 Channel St Killarney ON P0M 2A0	WNW	246.31	<u>8</u>
Sportsman's Lodge	37 Channel Street, Killarney Killarney ON P0M 2A0	WNW	246.31	<u>8</u>



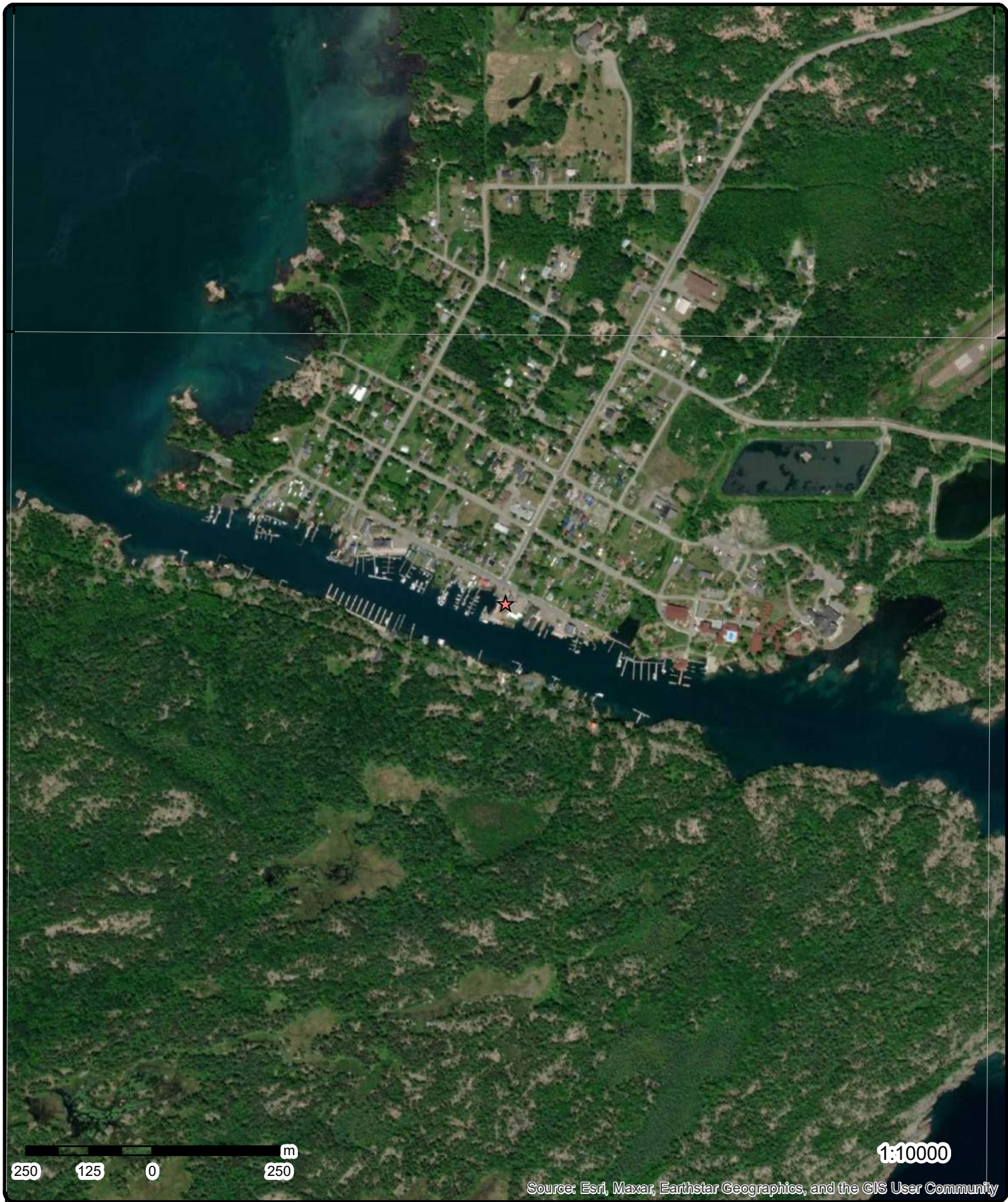
Map: 0.25 Kilometer Radius

Order Number: 22091303841

Address: Herbert Fisheries, Killarney, ON



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



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Aerial Year: 2020

Order Number: 22091303841

Address: Herbert Fisheries, Killarney, ON



Source: ESRI World Imagery

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

Topographic Map

Order Number: 22091303841

Address: Herbert Fisheries, ON



Source: ESRI World Topographic Map

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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 5	WNW/58.0	179.7 / -1.30	CHANNEL MARINA 23 CHANNEL GD KILLARNEY ON P0M 2A0	RST
Headcode: 00824400 Headcode Desc: MARINAS Phone: List Name: Description:					
1	2 of 5	WNW/58.0	179.7 / -1.30	CHANNEL MARINA 23 CHANNEL ST KILLARNEY ON P0M2A0	RST
Headcode: 00824400 Headcode Desc: MARINAS Phone: 7052871079 List Name: Description:					
1	3 of 5	WNW/58.0	179.7 / -1.30	CHANNEL MARINA 23 CHANNEL ST KILLARNEY ON P0M2A0	RST
Headcode: 00824400 Headcode Desc: MARINAS Phone: 7052872326 List Name: INFO-DIRECT(TM) BUSINESS FILE Description:					
1	4 of 5	WNW/58.0	179.7 / -1.30	23 Channel Street Killarney ON P0M 2A0	EHS
Order No: 21032300120 Status: C Report Type: Standard Report Report Date: 26-MAR-21 Date Received: 23-MAR-21 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans		Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -81.5128911 Y: 45.9705836			
1	5 of 5	WNW/58.0	179.7 / -1.30	23 Channel Street Killarney ON P0M 2A0	EHS
Order No: 21032300120 Status: C Report Type: Standard Report Report Date: 26-MAR-21		Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Date Received: 23-MAR-21 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans					
<u>2</u>	1 of 1	E/101.0	181.1 / 0.09	11 Channel St Killarney ON P0M2A0	EHS
Order No: 20161122029 Status: C Report Type: Standard Report Report Date: 25-NOV-16 Date Received: 22-NOV-16 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -81.511073 Y: 45.970022					
<u>3</u>	1 of 13	WNW/114.9	179.8 / -1.17	Killarney Water Treatment Plant 27 Channel Street Killarney ON P0M 2A0	CA
Certificate #: 2615-57BRBL Application Year: 02 Issue Date: 2/20/02 Approval Type: Municipal & Private water Status: Approved Application Type: New Certificate of Approval Client Name: Corporation of the Municipality of Killarney Client Address: 32 Commissioner Street Client City: Killarney Client Postal Code: Project Description: The Killarney Water Works is a municipally owned communal water system, managed under contract by the Ontario Clean Water Agency. The source of water is Lake Huron (surface water). The raw water is gravity fed from an intake structure to the plant. The raw water is disinfected with chlorine as it enters the raw water well. The raw water well has a baffle wall and a removable stainless steel wire mesh screen. The treated water is stored on site in the suction well and pumped to the distribution system by four (4) electrically powered vertical turbine pumps (3-duty/1-standby). Three (3) pumps are rated at 8 L/s @ 375 kPa and one (1) pump rated at 3 L/s @ 375 kPa. The plant incorporates standby power.					
Contaminants: Emission Control:					
<u>3</u>	2 of 13	WNW/114.9	179.8 / -1.17	The Corporation of the Municipality of Killarney George Island; 27 Channel Street Killarney; Killarney ON P0M 2A0	SPL
Ref No: 5032-6FBSPT Site No: Incident Dt: 8/16/2005 Year: Incident Cause: Discharge Or Bypass To A Watercourse Incident Event: Contaminant Code: Contaminant Name: CHLORINATED WATER Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Not Anticipated Nature of Impact: Surface Water Pollution Receiving Medium: Water Receiving Env: MOE Response:					
Discharger Report: 0 Material Group: Miscellaneous Health/Env Conseq: Client Type: Sector Type: Water Supply Agency Involved: Nearest Watercourse: Site Address: Site District Office: Sudbury Site Postal Code: Site Region: Site Municipality: Killarney Site Lot: Site Conc: Northing: NA; 5090700 Easting: NA; 460215					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<p>Dt MOE Arvl on Scn: MOE Reported Dt: 8/16/2005 Dt Document Closed:</p> <p>Incident Reason: Spill Site Name: Ann Reid; Killarney Water Treatment Plant Site County/District: Site Geo Ref Meth: Incident Summary: Killarney- 1"line break, chl water to Killarney Rv. Contaminant Qty:</p> <p>Site Geo Ref Accu: Site Map Datum: SAC Action Class: Spills to the Great Lakes and their Interconnecting Channels Source Type:</p>					
3	3 of 13	WNW/114.9	179.8 / -1.17	The Corporation of the Municipality of Killarney - Killarney Lagoon 27 Channel St Killarney ON P0M 2A0	NCPL
<p>Year: 2008 Site Name: Facility Owner: Discharge Type: Private Sewage Sector: Municipal Sewage District Area: Sudbury Type of Concern: CofA/Permit Non-Compliance Contaminant: PHOSPHORUS Status Report:</p> <p>Details</p> <p>Incident Date: 5/31/2008 Exceedance Start Date: 5/1/2008 Exceedance End Date: 5/31/2008 Limit/Unit/Freq: 1 mg/L Quantity Min/Max: 1.57/1.57 Facility Action: None Required Ministry Action: Assessment Complete - No Action Required</p>					
3	4 of 13	WNW/114.9	179.8 / -1.17	The Corporation of the Municipality of Killarney 27 Channel Street Killarney ON P0M 2A0	CA
<p>Certificate #: 4561-6JTSK7 Application Year: 2005 Issue Date: 12/13/2005 Approval Type: Municipal and Private Sewage Works Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:</p>					
3	5 of 13	WNW/114.9	179.8 / -1.17	MUNICIPALITY OF KILLARNEY 27 Channel ST Killarney ON P0M 2A0	EASR
<p>Approval No: R-002-5616703987 Status: REGISTERED Date: 2016-07-28</p> <p>MOE District: Sudbury Municipality: Killarney Latitude: 45.97083333</p>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Record Type: EASR Link Source: MOFA Project Type: Standby Power System Full Address: Approval Type: EASR-Standby Power System SWP Area Name: PDF URL: PDF Site Location:					
3	6 of 13	WNW/114.9	179.8 / -1.17	The Corporation of the Municipality of Killarney 27 Channel Street Killarney ON P0M 2A0	ECA
Approval No: 7004-5WQT9U Approval Date: 2004-04-14 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Approval Type: ECA-Municipal Drinking Water Systems Project Type: Municipal Drinking Water Systems Business Name: The Corporation of the Municipality of Killarney Address: 27 Channel Street Full Address: Full PDF Link: PDF Site Location:					
3	7 of 13	WNW/114.9	179.8 / -1.17	The Corporation of the Municipality of Killarney 27 Channel Street Killarney ON P0M 2A0	ECA
Approval No: 2615-57BRBL Approval Date: 2002-02-20 Status: Revoked and/or Replaced Record Type: ECA Link Source: IDS SWP Area Name: Approval Type: ECA-Municipal and Private Water Works Project Type: Municipal and Private Water Works Business Name: The Corporation of the Municipality of Killarney Address: 27 Channel Street Full Address: Full PDF Link: PDF Site Location:					
3	8 of 13	WNW/114.9	179.8 / -1.17	The Corporation of the Municipality of Killarney 27 Channel Street Killarney ON P0M 2A0	ECA
Approval No: 4561-6JTSK7 Approval Date: 2005-12-13 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Business Name: The Corporation of the Municipality of Killarney Address: 27 Channel Street Full Address:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Full PDF Link:		https://www.accessenvironment.ene.gov.on.ca/instruments/2993-6FBRN6-14.pdf			
PDF Site Location:					
3	9 of 13	WNW/114.9	179.8 / -1.17	The Corporation of the Municipality of Killarney 27 Channel St Killarney ON P0M 2A0	ECA
Approval No:	0354-7GLL9M			MOE District:	Sudbury
Approval Date:	2008-08-01			City:	
Status:	Approved			Longitude:	-81.51378
Record Type:	ECA			Latitude:	45.970912999999996
Link Source:	IDS			Geometry X:	
SWP Area Name:				Geometry Y:	
Approval Type:	ECA-Municipal Drinking Water Systems				
Project Type:	Municipal Drinking Water Systems				
Business Name:	The Corporation of the Municipality of Killarney				
Address:	27 Channel St				
Full Address:					
Full PDF Link:					
PDF Site Location:					
3	10 of 13	WNW/114.9	179.8 / -1.17	The Corporation of the Municipality of Killarney 27 Channel Street Killarney ON P0M 2A0	ECA
Approval No:	3359-5ZBHLQ			MOE District:	Sudbury
Approval Date:	2004-06-22			City:	
Status:	Revoked and/or Replaced			Longitude:	-81.51378
Record Type:	ECA			Latitude:	45.970912999999996
Link Source:	IDS			Geometry X:	
SWP Area Name:				Geometry Y:	
Approval Type:	ECA-Municipal Drinking Water Systems				
Project Type:	Municipal Drinking Water Systems				
Business Name:	The Corporation of the Municipality of Killarney				
Address:	27 Channel Street				
Full Address:					
Full PDF Link:					
PDF Site Location:					
3	11 of 13	WNW/114.9	179.8 / -1.17	The Corporation of the Municipality of Killarney 27 Channel Street Killarney ON P0M 2A0	ECA
Approval No:	9575-5JNVX5			MOE District:	Sudbury
Approval Date:	2003-02-28			City:	
Status:	Revoked and/or Replaced			Longitude:	-81.51378
Record Type:	ECA			Latitude:	45.970912999999996
Link Source:	IDS			Geometry X:	
SWP Area Name:				Geometry Y:	
Approval Type:	ECA-Municipal and Private Water Works				
Project Type:	Municipal and Private Water Works				
Business Name:	The Corporation of the Municipality of Killarney				
Address:	27 Channel Street				
Full Address:					
Full PDF Link:					
PDF Site Location:					
3	12 of 13	WNW/114.9	179.8 / -1.17	The Corporation of the Municipality of Killarney 27 Channel Street	ECA

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Killarney ON P0M 2A0					
Approval No:	7753-5KJQCE			MOE District:	Sudbury
Approval Date:	2003-03-17			City:	
Status:	Revoked and/or Replaced			Longitude:	-81.51378
Record Type:	ECA			Latitude:	45.970912999999996
Link Source:	IDS			Geometry X:	
SWP Area Name:				Geometry Y:	
Approval Type:	ECA-Municipal and Private Water Works				
Project Type:	Municipal and Private Water Works				
Business Name:	The Corporation of the Municipality of Killarney				
Address:	27 Channel Street				
Full Address:					
Full PDF Link:					
PDF Site Location:					
<u>3</u>	13 of 13	WNW/114.9	179.8 / -1.17	27 Channel St Killarney ON NA	SPL
Ref No:	6465-BAQSY3			Discharger Report:	
Site No:	5765-5N8GJT			Material Group:	
Incident Dt:	3/29/2019			Health/Env Conseq:	2 - Minor Environment
Year:				Client Type:	
Incident Cause:				Sector Type:	Municipal Sewage
Incident Event:	Leak/Break			Agency Involved:	
Contaminant Code:	44			Nearest Watercourse:	Georgian Bay
Contaminant Name:	SEWAGE,RAW UNCHLORINATED			Site Address:	27 Channel St
Contaminant Limit 1:				Site District Office:	Sudbury
Contam Limit Freq 1:				Site Postal Code:	NA
Contaminant UN No 1:	n/a			Site Region:	Northern
Environment Impact:				Site Municipality:	Killarney
Nature of Impact:				Site Lot:	
Receiving Medium:				Site Conc:	NA
Receiving Env:	Surface Water			Northing:	NA
MOE Response:	No			Easting:	NA
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	NA
MOE Reported Dt:	3/29/2019			Site Map Datum:	NA
Dt Document Closed:				SAC Action Class:	Sewage Bypasses / Overflows
Incident Reason:	Equipment Failure			Source Type:	Lagoon/Retaining Pond
Site Name:	Killarney Lagoon				
Site County/District:	District of Sudbury				
Site Geo Ref Meth:	NA				
Incident Summary:	Killarney Lagoon: Ongoing discharge raw sewage to Georgian Bay				
Contaminant Qty:	0 other - see incident description				
<u>4</u>	1 of 9	ESE/139.0	179.7 / -1.28	PITFIELDS KILLARNEY GENERAL STORE 7 CHANNEL ST KILLARNEY ON P0M 2A0	PRT
Location ID:	14445				
Type:	retail				
Expiry Date:	1994-04-30				
Capacity (L):	20000				
Licence #:	0050764001				
<u>4</u>	2 of 9	ESE/139.0	179.7 / -1.28	7 CHANNEL ST. KILLARNEY ON P0M 2A0	PRT
Location ID:	6928				
Type:	retail				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Expiry Date: Capacity (L): Licence #:					
4	3 of 9	ESE/139.0	179.7 / -1.28	PITFIELDS KILLARNEY GENERAL STORE 7 CHANNEL ST KILLARNEY ON P0M 2A0	FSTH
License Issue Date: Tank Status: Tank Status As Of: Operation Type: Facility Type:		3/22/2002 Licensed December 2008 Retail Fuel Outlet Marina			
--Details--					
Status:		Active			
Year of Installation:		1994			
Corrosion Protection:					
Capacity:		10000			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1994			
Corrosion Protection:					
Capacity:		10000			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
4	4 of 9	ESE/139.0	179.7 / -1.28	PITFIELDS KILLARNEY GENERAL STORE 7 CHANNEL ST KILLARNEY P0M 2A0 ON CA ON	FST
Instance No:		11186304		Manufacturer:	
Status:				Serial No:	
Cont Name:				Ulc Standard:	
Instance Type:		FS Liquid Fuel Tank		Quantity:	
Item:				Unit of Measure:	
Item Description:		FS Liquid Fuel Tank		Fuel Type: Gasoline	
Tank Type:		Single Wall UST		Fuel Type2: NULL	
Install Date:		7/27/2009 8:39:24 AM		Fuel Type3: NULL	
Install Year:		1994		Piping Steel:	
Years in Service:				Piping Galvanized:	
Model:		NULL		Tanks Single Wall St:	
Description:				Piping Underground:	
Capacity:		10000		No Underground:	
Tank Material:		Steel		Panam Related:	
Corrosion Protect:		Sacrificial anode		Panam Venue:	
Overfill Protect:					
Facility Type:		FS Liquid Fuel Tank			
Parent Facility Type:		FS Marina			
Facility Location:					
Device Installed Location:		7 CHANNEL ST KILLARNEY P0M 2A0 ON CA			
<u>Liquid Fuel Tank Details</u>					
Overfill Protection:					
Owner Account Name:		PITFIELDS KILLARNEY GENERAL STORE			
Item:		FS LIQUID FUEL TANK			
4	5 of 9	ESE/139.0	179.7 / -1.28	PITFIELDS KILLARNEY GENERAL STORE 7 CHANNEL ST KILLARNEY P0M 2A0 ON CA	FST

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				ON	
Instance No:	11186257			Manufacturer:	
Status:				Serial No:	
Cont Name:				Ulc Standard:	
Instance Type:	FS Liquid Fuel Tank			Quantity:	
Item:				Unit of Measure:	
Item Description:	FS Liquid Fuel Tank			Fuel Type:	Gasoline
Tank Type:	Single Wall UST			Fuel Type2:	NULL
Install Date:	7/27/2009 8:38:27 AM			Fuel Type3:	NULL
Install Year:	1994			Piping Steel:	
Years in Service:				Piping Galvanized:	
Model:	NULL			Tanks Single Wall St:	
Description:				Piping Underground:	
Capacity:	10000			No Underground:	
Tank Material:	Steel			Panam Related:	
Corrosion Protect:	Sacrificial anode			Panam Venue:	
Overfill Protect:					
Facility Type:	FS Liquid Fuel Tank				
Parent Facility Type:	FS Marina				
Facility Location:					
Device Installed Location:	7 CHANNEL ST KILLARNEY P0M 2A0 ON CA				

Liquid Fuel Tank Details

Overfill Protection:
Owner Account Name: PITFIELDS KILLARNEY GENERAL STORE
Item: FS LIQUID FUEL TANK

4	6 of 9	ESE/139.0	179.7 / -1.28	PITFIELDS KILLARNEY GENERAL STORE 7 CHANNEL ST KILLARNEY P0M 2A0 ON CA ON	DTNK
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Delisted Expired Fuel Safety Facilities

Instance No:	11186257			Expired Date:	
Status:	EXPIRED			Max Hazard Rank:	NULL
Instance ID:				Facility Location:	7 CHANNEL ST KILLARNEY P0M 2A0 ON CA
Instance Type:				Facility Type:	FS LIQUID FUEL TANK
Instance Creation Dt:	7/19/2000 8:15:15 PM			Fuel Type 2:	NULL
Instance Install Dt:	7/27/2009 8:38:27 AM			Fuel Type 3:	NULL
Item Description:	FS Liquid Fuel Tank			Panam Related:	NULL
Manufacturer:	NULL			Panam Venue Nm:	NULL
Model:	NULL			External Identifier:	NULL
Serial No:	NULL			Item:	
ULC Standard:	NULL			Piping Steel:	
Quantity:	1			Piping Galvanized:	
Unit of Measure:	EA			Tank Single Wall St:	
Overfill Prot Type:	NULL			Piping Underground:	
Creation Date:	7/5/2009 1:24:12 AM			Tank Underground:	
Next Periodic Str DT:	NULL			Source:	FS Liquid Fuel Tank
TSSA Base Sched Cycle 2:	NULL				
TSSAMax Hazard Rank 1:	NULL				
TSSA Risk Based Periodic Yn:	NULL				
TSSA Volume of Directives:	NULL				
TSSA Periodic Exempt:	NULL				
TSSA Statutory Interval:	NULL				
TSSA Recd Insp Interva:	NULL				
TSSA Recd Tolerance:	NULL				
TSSA Program Area:	NULL				
TSSA Program Area 2:	NULL				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Description:		[2009VBS] [UNDERGROUND TANK]			
Original Source:		EXP			
Record Date:		31-JUL-2020			

4 7 of 9 ESE/139.0 179.7 / -1.28 PITFIELDS KILLARNEY GENERAL STORE
7 CHANNEL ST KILLARNEY P0M 2A0 ON CA
ON DTNK

Delisted Expired Fuel Safety Facilities

Instance No:	11186304	Expired Date:	
Status:	EXPIRED	Max Hazard Rank:	NULL
Instance ID:		Facility Location:	7 CHANNEL ST KILLARNEY P0M 2A0 ON CA
Instance Type:		Facility Type:	FS LIQUID FUEL TANK
Instance Creation Dt:	7/19/2000 8:15:15 PM	Fuel Type 2:	NULL
Instance Install Dt:	7/27/2009 8:39:24 AM	Fuel Type 3:	NULL
Item Description:	FS Liquid Fuel Tank	Panam Related:	NULL
Manufacturer:	NULL	Panam Venue Nm:	NULL
Model:	NULL	External Identifier:	NULL
Serial No:	NULL	Item:	
ULC Standard:	NULL	Piping Steel:	
Quantity:	1	Piping Galvanized:	
Unit of Measure:	EA	Tank Single Wall St:	
Overfill Prot Type:	NULL	Piping Underground:	
Creation Date:	7/5/2009 1:24:09 AM	Tank Underground:	
Next Periodic Str DT:	NULL	Source:	FS Liquid Fuel Tank
TSSA Base Sched Cycle 2:	NULL		
TSSA Max Hazard Rank 1:	NULL		
TSSA Risk Based Periodic Yn:	NULL		
TSSA Volume of Directives:	NULL		
TSSA Periodic Exempt:	NULL		
TSSA Statutory Interval:	NULL		
TSSA Recd Insp Interva:	NULL		
TSSA Recd Tolerance:	NULL		
TSSA Program Area:	NULL		
TSSA Program Area 2:	NULL		
Description:	[2009VBS] [UNDERGROUND TANK]		
Original Source:	EXP		
Record Date:	31-JUL-2020		

4 8 of 9 ESE/139.0 179.7 / -1.28 7 CHANNEL ST
KILLARNEY ON P0M 2A0 DTNK

Delisted Fuel Storage Tank

Instance No:	10024449	Creation Date:	
Status:	Active	Overfill Prot Type:	
Instance Type:		Facility Location:	
Fuel Type:		Piping SW Steel:	0
Cont Name:		Piping SW Galvan:	0
Capacity:		Tanks SW Steel:	0
Tank Material:		Piping Underground:	1
Corrosion Prot:		No Underground:	0
Tank Type:		Max Hazard Rank:	
Install Year:		Max Hazard Rank 1:	
Facility Type:		Nxt Period Start Dt:	
Device Installed Loc:		Program Area 1:	
Fuel Type 2:		Program Area 2:	
Fuel Type 3:		Nxt Period Strt Dt 2:	
Item:	FS MARINA	Risk Based Periodic:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Item Description: Model: Description: Instance Creation Dt: Instance Install Dt: Manufacturer: Serial No: ULC Standard: Quantity: Unit of Measure: Parent Fac Type: TSSA Base Sched Cycle 1: TSSA Base Sched Cycle 2: Original Source: Record Date:		FST 31-MAY-2021		Vol of Directives: Years in Service: Created Date: Federal Device: Periodic Exempt: Statutory Interval: Rcomnd Insp Interval: Recommended Toler: Panam Venue Name: External Identifier:	

4 9 of 9 ESE/139.0 179.7 / -1.28 PITFIELDS KILLARNEY GENERAL STORE
7 CHANNEL ST KILLARNEY P0M 2A0 ON CA ON FST

Instance No:	64864036	Manufacturer:	
Status:		Serial No:	
Cont Name:		Ulc Standard:	
Instance Type:		Quantity:	
Item:		Unit of Measure:	
Item Description:	FS Liquid Fuel Tank	Fuel Type:	Gasoline
Tank Type:	Double Wall Horizontal AST	Fuel Type2:	NULL
Install Date:	10/22/2018 9:10:57 AM	Fuel Type3:	NULL
Install Year:	2018	Piping Steel:	
Years in Service:		Piping Galvanized:	
Model:	NULL	Tanks Single Wall St:	
Description:		Piping Underground:	
Capacity:	20000	No Underground:	
Tank Material:	Steel	Panam Related:	
Corrosion Protect:	Painted	Panam Venue:	
Overfill Protect:			
Facility Type:	FS Liquid Fuel Tank		
Parent Facility Type:			
Facility Location:			
Device Installed Location:	7 CHANNEL ST KILLARNEY P0M 2A0 ON CA		

Liquid Fuel Tank Details

Overfill Protection:
Owner Account Name: PITFIELDS KILLARNEY GENERAL STORE
Item: FS LIQUID FUEL TANK

5 1 of 2 WNW/161.0 181.4 / 0.43 GATEWAY MARINE & STORAGE INC
29 CHANNEL GD KILLARNEY ON P0M 2A0 RST

Headcode: 00824400
Headcode Desc: MARINAS
Phone:
List Name:
Description:

5 2 of 2 WNW/161.0 181.4 / 0.43 GATEWAY MARINE & STORAGE INC
29 CHANNEL ST KILLARNEY ON P0M2A0 RST

Headcode: 00824400

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Headcode Desc:		MARINAS			
Phone:		7052872333			
List Name:					
Description:					

6	1 of 2	NNE/183.9	180.3 / -0.69	KILLARNEY MOUNTAIN LODGE LTD 32 COMMISSIONER ST KILLARNEY P0M 2A0 ON CA ON	FST
Instance No:		63105071		Manufacturer:	
Status:				Serial No:	
Cont Name:				Ulc Standard:	
Instance Type:		FS Liquid Fuel Tank		Quantity:	
Item:				Unit of Measure:	
Item Description:		FS Liquid Fuel Tank		Fuel Type: Diesel	
Tank Type:		Double Wall Horizontal AST		Fuel Type2: NULL	
Install Date:		7/27/2009 8:05:43 AM		Fuel Type3: NULL	
Install Year:		2001		Piping Steel:	
Years in Service:				Piping Galvanized:	
Model:		NULL		Tanks Single Wall St:	
Description:				Piping Underground:	
Capacity:		13600		No Underground:	
Tank Material:		Steel		Panam Related:	
Corrosion Protect:		Painted		Panam Venue:	
Overfill Protect:					
Facility Type:		FS Liquid Fuel Tank			
Parent Facility Type:		FS Marina			
Facility Location:					
Device Installed Location:		32 COMMISSIONER ST KILLARNEY P0M 2A0 ON CA			

Liquid Fuel Tank Details

Overfill Protection:
Owner Account Name: KILLARNEY MOUNTAIN LODGE LTD
Item: FS LIQUID FUEL TANK

6	2 of 2	NNE/183.9	180.3 / -0.69	KILLARNEY MOUNTAIN LODGE LTD 32 COMMISSIONER ST KILLARNEY P0M 2A0 ON CA ON	FST
Instance No:		63105070		Manufacturer:	
Status:				Serial No:	
Cont Name:				Ulc Standard:	
Instance Type:		FS Liquid Fuel Tank		Quantity:	
Item:				Unit of Measure:	
Item Description:		FS Liquid Fuel Tank		Fuel Type: Gasoline	
Tank Type:		Double Wall Horizontal AST		Fuel Type2: NULL	
Install Date:		7/27/2009 8:05:17 AM		Fuel Type3: NULL	
Install Year:		2001		Piping Steel:	
Years in Service:				Piping Galvanized:	
Model:		NULL		Tanks Single Wall St:	
Description:				Piping Underground:	
Capacity:		13600		No Underground:	
Tank Material:		Steel		Panam Related:	
Corrosion Protect:		Painted		Panam Venue:	
Overfill Protect:					
Facility Type:		FS Liquid Fuel Tank			
Parent Facility Type:		FS Marina			
Facility Location:					
Device Installed Location:		32 COMMISSIONER ST KILLARNEY P0M 2A0 ON CA			

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

Overfill Protection:
Owner Account Name: KILLARNEY MOUNTAIN LODGE LTD
Item: FS LIQUID FUEL TANK

7	1 of 12	N/195.3	180.3 / -0.69	Killarney Health Centre 34A Commissioner St Killarney ON P0M 2A)	GEN
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Generator No:	ON3056940	Status:
SIC Code:	621494	Co Admin:
SIC Description:	Community Health Centres	Choice of Contact:
Approval Years:	2010	Phone No Admin:
PO Box No:		Contam. Facility:
Country:		MHSW Facility:

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

7	2 of 12	N/195.3	180.3 / -0.69	Killarney Health Centre 34A Commissioner St Killarney ON P0M 2A)	GEN
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Generator No:	ON3056940	Status:
SIC Code:	621494	Co Admin:
SIC Description:	Community Health Centres	Choice of Contact:
Approval Years:	2011	Phone No Admin:
PO Box No:		Contam. Facility:
Country:		MHSW Facility:

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

7	3 of 12	N/195.3	180.3 / -0.69	Killarney Health Centre 34A Commissioner St Killarney ON P0M 2A)	GEN
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Generator No:	ON3056940	Status:
SIC Code:	621494	Co Admin:
SIC Description:	Community Health Centres	Choice of Contact:
Approval Years:	2012	Phone No Admin:
PO Box No:		Contam. Facility:
Country:		MHSW Facility:

Detail(s)

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
7	4 of 12	N/195.3	180.3 / -0.69	Killarney Health Centre 34A Commissioner St Killarney ON	GEN
Generator No:	ON3056940			Status:	
SIC Code:	621494			Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	2013			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
7	5 of 12	N/195.3	180.3 / -0.69	The Corporation of the Municipality of Killarney 34 Commissioner Street Killarney ON P0M 2A0	ECA
Approval No:	5241-6MAQ6J			MOE District:	Sudbury
Approval Date:	2006-03-27			City:	
Status:	Revoked and/or Replaced			Longitude:	-81.29366999999999
Record Type:	ECA			Latitude:	46.021879999999996
Link Source:	IDS			Geometry X:	
SWP Area Name:				Geometry Y:	
Approval Type:	ECA-Municipal Drinking Water Systems				
Project Type:	Municipal Drinking Water Systems				
Business Name:	The Corporation of the Municipality of Killarney				
Address:	34 Commissioner Street				
Full Address:					
Full PDF Link:					
PDF Site Location:					
7	6 of 12	N/195.3	180.3 / -0.69	Killarney Health Centre 34A Commissioner St Killarney ON P0M 2A)	GEN
Generator No:	ON3056940			Status:	
SIC Code:	621494			Co Admin:	Darlene Kidd
SIC Description:	621494			Choice of Contact:	CO_OFFICIAL
Approval Years:	2016			Phone No Admin:	705-287-233 Ext.
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No
<u>Detail(s)</u>					
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	7 of 12	N/195.3	180.3 / -0.69	Killarney Health Centre 34A Commissioner St Killarney ON P0M 2A)	GEN
Generator No:	ON3056940			Status:	
SIC Code:	621494			Co Admin:	Darlene Kidd
SIC Description:	621494			Choice of Contact:	CO_OFFICIAL
Approval Years:	2015			Phone No Admin:	705-287-233 Ext.
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No
<u>Detail(s)</u>					
Waste Class:	261				
Waste Class Desc:	PHARMACEUTICALS				
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
7	8 of 12	N/195.3	180.3 / -0.69	Killarney Health Centre 34A Commissioner St Killarney ON P0M 2A)	GEN
Generator No:	ON3056940			Status:	
SIC Code:	621494			Co Admin:	Darlene Kidd
SIC Description:	621494			Choice of Contact:	CO_OFFICIAL
Approval Years:	2014			Phone No Admin:	705-287-233 Ext.
PO Box No:				Contam. Facility:	No
Country:	Canada			MHSW Facility:	No
<u>Detail(s)</u>					
Waste Class:	261				
Waste Class Desc:	PHARMACEUTICALS				
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
7	9 of 12	N/195.3	180.3 / -0.69	Killarney Health Centre 34A Commissioner St Killarney ON P0M 2A)	GEN
Generator No:	ON3056940			Status:	Registered
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Dec 2018			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:	261 A				
Waste Class Desc:	Pharmaceuticals				
Waste Class:	312 P				
Waste Class Desc:	Pathological wastes				
7	10 of 12	N/195.3	180.3 / -0.69	Killarney Health Centre 34A Commissioner St Killarney ON P0M 2A)	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country:	ON3056940 As of Jul 2020 Canada			Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:	Registered
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:	312 P Pathological wastes				
Waste Class: Waste Class Desc:	261 A Pharmaceuticals				
<u>7</u>	11 of 12	N/195.3	180.3 / -0.69	Killarney Health Centre 34A Commissioner St Killarney ON P0M 2A)	GEN
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country:	ON3056940 As of Nov 2021 Canada			Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:	Registered
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:	261 A Pharmaceuticals				
Waste Class: Waste Class Desc:	312 P Pathological wastes				
<u>7</u>	12 of 12	N/195.3	180.3 / -0.69	Killarney Health Centre 34A Commissioner St Killarney ON P0M 2A)	GEN
Generator No: SIC Code: SIC Description: Approval Years: PO Box No: Country:	ON3056940 As of Apr 2022 Canada			Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:	Registered
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:	261 A PHARMACEUTICALS				
Waste Class: Waste Class Desc:	312 P PATHOLOGICAL WASTES				
<u>8</u>	1 of 14	WNW/246.3	179.3 / -1.69	Sportsman's Lodge 37 Channel Street, Killarney Killarney ON P0M 2A0	SPL
Ref No: Site No: Incident Dt: Year:	7812-639ULP 7/5/2004			Discharger Report: Material Group: Health/Env Conseq: Client Type:	Oil

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Incident Cause:	Pipe Or Hose Leak			Sector Type: Other	
Incident Event:				Agency Involved:	
Contaminant Code:	13			Nearest Watercourse:	
Contaminant Name:	DIESEL FUEL			Site Address:	
Contaminant Limit 1:				Site District Office: Sudbury	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region: Northern	
Environment Impact:				Site Municipality: Killarney	
Nature of Impact:				Site Lot:	
Receiving Medium:	Water			Site Conc:	
Receiving Env:				Northing: NA	
MOE Response:				Easting: NA	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	7/26/2004			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	
Incident Reason:	Other - Reason not otherwise defined			Source Type:	
Site Name:	SPORTSMAN'S INN				
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	Sportman Inn - 5 L of diesel to Georgian Bay.				
Contaminant Qty:	5 L				

8	2 of 14	WNW/246.3	179.3 / -1.69	SPORTSMAN'S INN THE 37 CHANNEL GD KILLARNEY ON P0M 2A0	RST
Headcode:	00824400				
Headcode Desc:	MARINAS				
Phone:					
List Name:					
Description:					

8	3 of 14	WNW/246.3	179.3 / -1.69	002167302 ONTARIO INC O/A SPORTSMAN'S INN 37 CHANNEL ST KILLARNEY ON	DTNK
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Delisted Expired Fuel Safety Facilities

Instance No:	63106315	Expired Date:	
Status:	EXPIRED	Max Hazard Rank:	
Instance ID:	347564	Facility Location:	
Instance Type:	FS Piping	Facility Type:	
Instance Creation Dt:		Fuel Type 2:	
Instance Install Dt:		Fuel Type 3:	
Item Description:		Panam Related:	
Manufacturer:		Panam Venue Nm:	
Model:		External Identifier:	
Serial No:		Item:	
ULC Standard:		Piping Steel:	
Quantity:		Piping Galvanized:	
Unit of Measure:		Tank Single Wall St:	
Overfill Prot Type:		Piping Underground:	
Creation Date:		Tank Underground:	
Next Periodic Str DT:		Source:	
TSSA Base Sched Cycle 2:			
TSSAMax Hazard Rank 1:			
TSSA Risk Based Periodic Yn:			
TSSA Volume of Directives:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
TSSA Periodic Exempt: TSSA Statutory Interval: TSSA Recd Insp Interva: TSSA Recd Tolerance: TSSA Program Area: TSSA Program Area 2: Description: FS Piping Original Source: EXP Record Date: Up to Mar 2012					
<u>8</u>	4 of 14	WNW/246.3	179.3 / -1.69	002167302 ONTARIO INC O/A SPORTSMAN'S INN 37 CHANNEL ST KILLARNEY ON	DTNK

Delisted Expired Fuel Safety Facilities

Instance No: 63106314	Expired Date:
Status: EXPIRED	Max Hazard Rank:
Instance ID: 348191	Facility Location:
Instance Type: FS Piping	Facility Type:
Instance Creation Dt:	Fuel Type 2:
Instance Install Dt:	Fuel Type 3:
Item Description:	Panam Related:
Manufacturer:	Panam Venue Nm:
Model:	External Identifier:
Serial No:	Item:
ULC Standard:	Piping Steel:
Quantity:	Piping Galvanized:
Unit of Measure:	Tank Single Wall St:
Overfill Prot Type:	Piping Underground:
Creation Date:	Tank Underground:
Next Periodic Str DT:	Source:
TSSA Base Sched Cycle 2:	
TSSAMax Hazard Rank 1:	
TSSA Risk Based Periodic Yn:	
TSSA Volume of Directives:	
TSSA Periodic Exempt:	
TSSA Statutory Interval:	
TSSA Recd Insp Interva:	
TSSA Recd Tolerance:	
TSSA Program Area:	
TSSA Program Area 2:	
Description: FS Piping	
Original Source: EXP	
Record Date: Up to Mar 2012	

<u>8</u>	5 of 14	WNW/246.3	179.3 / -1.69	002167302 ONTARIO INC O/A SPORTSMAN'S INN 37 CHANNEL ST KILLARNEY ON	DTNK
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Delisted Expired Fuel Safety Facilities

Instance No: 56067776	Expired Date:
Status: EXPIRED	Max Hazard Rank:
Instance ID: 332865	Facility Location:
Instance Type: FS Piping	Facility Type:
Instance Creation Dt:	Fuel Type 2:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Instance Install Dt: Item Description: Manufacturer: Model: Serial No: ULC Standard: Quantity: Unit of Measure: Overfill Prot Type: Creation Date: Next Periodic Str DT: TSSA Base Sched Cycle 2: TSSAMax Hazard Rank 1: TSSA Risk Based Periodic Yn: TSSA Volume of Directives: TSSA Periodic Exempt: TSSA Statutory Interval: TSSA Recd Insp Interva: TSSA Recd Tolerance: TSSA Program Area: TSSA Program Area 2:				Fuel Type 3: Panam Related: Panam Venue Nm: External Identifier: Item: Piping Steel: Piping Galvanized: Tank Single Wall St: Piping Underground: Tank Underground: Source:	
		Description: FS Piping			
		Original Source: EXP			
		Record Date: Up to Mar 2012			

<u>8</u>	6 of 14	WNW/246.3	179.3 / -1.69	SPORTSMAN INN LIMITED 37 CHANNEL ST KILLARNEY P0M 2A0 ON CA ON	FST
Instance No: 56067773 Status: Cont Name: Instance Type: FS Liquid Fuel Tank Item: Item Description: FS Liquid Fuel Tank Tank Type: Double Wall UST Install Date: 7/27/2009 8:27:22 AM Install Year: 2008 Years in Service: Model: NULL Description: Capacity: 35000 Tank Material: Fiberglass (FRP) Corrosion Protect: Fiberglass Overfill Protect: Facility Type: FS Liquid Fuel Tank Parent Facility Type: FS Gasoline Station - Self Serve Facility Location: Device Installed Location: 37 CHANNEL ST KILLARNEY P0M 2A0 ON CA				Manufacturer: Serial No: Ulc Standard: Quantity: Unit of Measure: Fuel Type: Diesel Fuel Type2: NULL Fuel Type3: NULL Piping Steel: Piping Galvanized: Tanks Single Wall St: Piping Underground: No Underground: Panam Related: Panam Venue:	
Liquid Fuel Tank Details					
Overfill Protection: Owner Account Name: SPORTSMAN INN LIMITED Item: FS LIQUID FUEL TANK					

<u>8</u>	7 of 14	WNW/246.3	179.3 / -1.69	SPORTSMAN INN LIMITED 37 CHANNEL ST KILLARNEY P0M 2A0 ON CA ON	FST
Instance No: 56067774 Status: Cont Name:				Manufacturer: Serial No: Ulc Standard:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Instance Type: FS Liquid Fuel Tank Item: Item Description: FS Liquid Fuel Tank Tank Type: Double Wall UST Install Date: 7/27/2009 8:27:45 AM Install Year: 2008 Years in Service: Model: NULL Description: Capacity: 35000 Tank Material: Fiberglass (FRP) Corrosion Protect: Fiberglass Overfill Protect: Facility Type: FS Liquid Fuel Tank Parent Facility Type: FS Gasoline Station - Self Serve Facility Location: Device Installed Location: 37 CHANNEL ST KILLARNEY P0M 2A0 ON CA					
Quantity: Unit of Measure: Fuel Type: Gasoline Fuel Type2: NULL Fuel Type3: NULL Piping Steel: Piping Galvanized: Tanks Single Wall St: Piping Underground: No Underground: Panam Related: Panam Venue:					
Liquid Fuel Tank Details					
Overfill Protection: Owner Account Name: SPORTSMAN INN LIMITED Item: FS LIQUID FUEL TANK					

<u>8</u>	8 of 14	WNW/246.3	179.3 / -1.69	SPORTSMAN'S INN THE 37 CHANNEL ST KILLARNEY ON P0M2A0	RST
Headcode: 00824400 Headcode Desc: MARINAS Phone: 7052879990 List Name: Description:					

<u>8</u>	9 of 14	WNW/246.3	179.3 / -1.69	002167302 ONTARIO INC O/A SPORTSMAN'S INN 37 CHANNEL ST KILLARNEY P0M 2A0 ON CA ON	DTNK
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Delisted Expired Fuel Safety Facilities

Instance No: 63106313 Status: EXPIRED Instance ID:					
Expired Date: Max Hazard Rank: NULL Facility Location: 37 CHANNEL ST KILLARNEY P0M 2A0 ON CA					
Instance Type: Instance Creation Dt: 5/11/2009 Instance Install Dt: 5/11/2009 Item Description: FS Liquid Fuel Tank Manufacturer: NULL Model: NULL Serial No: NULL ULC Standard: NULL Quantity: 1 Unit of Measure: EA Overfill Prot Type: NULL Creation Date: 7/5/2009 3:15:37 AM Next Periodic Str DT: NULL TSSA Base Sched Cycle 2: NULL TSSAMax Hazard Rank 1: NULL					
Facility Type: FS LIQUID FUEL TANK Fuel Type 2: NULL Fuel Type 3: NULL Panam Related: NULL Panam Venue Nm: NULL External Identifier: NULL Item: Piping Steel: Piping Galvanized: Tank Single Wall St: Piping Underground: Tank Underground: Source: FS Liquid Fuel Tank					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status: Cont Name: Instance Type: Item: Item Description: FS Liquid Fuel Tank Tank Type: Liquid Fuel Single Wall UST Install Date: 5/11/2009 Install Year: 1992 Years in Service: Model: NULL Description: Capacity: 35000 Tank Material: Steel Corrosion Protect: Sacrificial anode Overfill Protect: Facility Type: FS Liquid Fuel Tank Parent Facility Type: Facility Location: Device Installed Location: 37 CHANNEL ST KILLARNEY P0M 2A0 ON CA				Serial No: Ulc Standard: Quantity: Unit of Measure: Fuel Type: Gasoline Fuel Type2: NULL Fuel Type3: NULL Piping Steel: Piping Galvanized: Tanks Single Wall St: Piping Underground: No Underground: Panam Related: Panam Venue:	

Liquid Fuel Tank Details

Overfill Protection:
Owner Account Name: 002167302 ONTARIO INC O/A SPORTSMAN'S INN
Item: FS LIQUID FUEL TANK

8	14 of 14	WNW/246.3	179.3 / -1.69	002167302 ONTARIO INC O/A SPORTSMAN'S INN 37 CHANNEL ST KILLARNEY P0M 2A0 ON CA ON	FST
Instance No: 63106313 Status: Cont Name: Instance Type: Item: Item Description: FS Liquid Fuel Tank Tank Type: Liquid Fuel Single Wall UST Install Date: 5/11/2009 Install Year: 1992 Years in Service: Model: NULL Description: Capacity: 25000 Tank Material: Steel Corrosion Protect: Sacrificial anode Overfill Protect: Facility Type: FS Liquid Fuel Tank Parent Facility Type: Facility Location: Device Installed Location: 37 CHANNEL ST KILLARNEY P0M 2A0 ON CA				Manufacturer: Serial No: Ulc Standard: Quantity: Unit of Measure: Fuel Type: Diesel Fuel Type2: NULL Fuel Type3: NULL Piping Steel: Piping Galvanized: Tanks Single Wall St: Piping Underground: No Underground: Panam Related: Panam Venue:	

Liquid Fuel Tank Details

Overfill Protection:
Owner Account Name: 002167302 ONTARIO INC O/A SPORTSMAN'S INN
Item: FS LIQUID FUEL TANK

Unplottable Summary

Total: 14 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
FST	KILLARNEY MOUNTAIN LODGE LTD ATTN MAURICE A EAST	KILLARNEY MUNICIPAL GD KILLARNEY P0M 2A0 ON CA	ON	
FSTH	KILLARNEY MOUNTAIN LODGE LTD ATTN MAURICE A EAST	KILLARNEY MUNICIPAL GD	KILLARNEY ON	P0M 2A0
FSTH	KILLARNEY MOUNTAIN LODGE LTD ATTN MAURICE A EAST	KILLARNEY MUNICIPAL GD	KILLARNEY ON	P0M 2A0
GEN	Coco Paving Inc.	Killarney	Killarney ON	POM2A0
GEN	Coco Paving Inc.	Killarney	Killarney ON	
GEN	Coco Paving Inc.	Killarney	Killarney ON	
GEN	Coco Paving Inc. Badgeley Island Aggregates Inc.	Killarney	Killarney ON	POM2A0
GEN	Coco Paving Inc.	Killarney	Killarney ON	POM2A0
GEN	Coco Paving Inc. Badgeley Island Aggregates Inc.	Killarney	Killarney ON	POM2A0
GEN	Coco Paving Inc. Badgeley Island Aggregates Inc.	Killarney	Killarney ON	POM2A0
GEN	Coco Paving Inc.	Killarney	Killarney ON	POM2A0
GEN	Coco Paving Inc. Badgeley Island Aggregates Inc.	Killarney	Killarney ON	POM2A0
PRT	510091 ONTARIO INC SPORTSMAN'S INN	CHANNEL ST	KILLARNEY ON	
SPL	SPORTSMAN'S INN	GEORGIAN BAY, SPORTSMAN'S INN MARINA,	KILLARNEY MUNICIPALITY ON	P0M 2A0

Unplottable Report

Site: KILLARNEY MOUNTAIN LODGE LTD ATTN MAURICE A EAST
KILLARNEY MUNICIPAL GD KILLARNEY P0M 2A0 ON CA ON

Database:
FST

Instance No: 10802930
Status:
Cont Name:
Instance Type: FS Liquid Fuel Tank
Item:
Item Description: FS Liquid Fuel Tank
Tank Type: Single Wall UST
Install Date: 7/6/1990
Install Year: 1982
Years in Service:
Model: NULL
Description:
Capacity: 13600
Tank Material: Steel
Corrosion Protect: Impressed Current
Overfill Protect:
Facility Type: FS Liquid Fuel Tank
Parent Facility Type: Fuels Safety Private Fuel Outlet - Self Serve
Facility Location:
Device Installed Location: KILLARNEY MUNICIPAL GD KILLARNEY P0M 2A0 ON CA

Manufacturer:
Serial No:
Ulc Standard:
Quantity:
Unit of Measure:
Fuel Type: Gasoline
Fuel Type2: NULL
Fuel Type3: NULL
Piping Steel:
Piping Galvanized:
Tanks Single Wall St:
Piping Underground:
No Underground:
Panam Related:
Panam Venue:

Liquid Fuel Tank Details

Overfill Protection:
Owner Account Name: KILLARNEY MOUNTAIN LODGE LTD ATTN MAURICE A EAST
Item: FS LIQUID FUEL TANK

Site: KILLARNEY MOUNTAIN LODGE LTD ATTN MAURICE A EAST
KILLARNEY MUNICIPAL GD KILLARNEY ON P0M 2A0

Database:
FSTH

License Issue Date: 6/28/1991
Tank Status: Licensed
Tank Status As Of: December 2008
Operation Type: Private Fuel Outlet
Facility Type: Gasoline Station - Self Serve

--Details--

Status: Active
Year of Installation: 1982
Corrosion Protection:
Capacity: 13600
Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline

Site: KILLARNEY MOUNTAIN LODGE LTD ATTN MAURICE A EAST
KILLARNEY MUNICIPAL GD KILLARNEY ON P0M 2A0

Database:
FSTH

License Issue Date: 6/28/1991
Tank Status: Licensed
Tank Status As Of: August 2007
Operation Type: Private Fuel Outlet
Facility Type: Gasoline Station - Self Serve

--Details--

Status: Active
Year of Installation: 1982
Corrosion Protection:
Capacity: 13600
Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline

Site: *Coco Paving Inc.*
Killarney Killarney ON POM2A0

Database:
GEN

Generator No: ON9766198
SIC Code: 212317
SIC Description: SANDSTONE MINING AND QUARRYING
Approval Years: 2016
PO Box No:
Country: Canada

Status:
Co Admin: Anthony Rossi
Choice of Contact: CO_OFFICIAL
Phone No Admin: 416-633-9670 Ext.1063
Contam. Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Site: *Coco Paving Inc.*
Killarney Killarney ON

Database:
GEN

Generator No: ON9766198
SIC Code: 212317
SIC Description: SANDSTONE MINING AND QUARRYING
Approval Years: 2013
PO Box No:
Country:

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

Detail(s)

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Site: *Coco Paving Inc.*
Killarney Killarney ON

Database:
GEN

Generator No: ON9766198
SIC Code: 212317
SIC Description: Sandstone Mining and Quarrying
Approval Years: 2012
PO Box No:
Country:

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

Site: *Coco Paving Inc. Badgeley Island Aggregates Inc.*
Killarney Killarney ON POM2A0

Database:
GEN

Generator No: ON9766198
SIC Code:
SIC Description:
Approval Years: As of Jul 2020
PO Box No:
Country: Canada

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

Detail(s)

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

Site: *Coco Paving Inc.*
Killarney Killarney ON POM2A0

Database:
GEN

Generator No: ON9766198
SIC Code: 212317
SIC Description: SANDSTONE MINING AND QUARRYING
Approval Years: 2015
PO Box No:
Country: Canada

Status:
Co Admin: Anthony Rossi
Choice of Contact: CO_OFFICIAL
Phone No Admin: 416-633-9670 Ext.1063
Contam. Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Site: *Coco Paving Inc. Badgeley Island Aggregates Inc.*
Killarney Killarney ON POM2A0

Database:
[GEN](#)

Generator No: ON9766198
SIC Code:
SIC Description:
Approval Years: As of Nov 2021
PO Box No:
Country: Canada

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

Detail(s)

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

Site: *Coco Paving Inc. Badgeley Island Aggregates Inc.*
Killarney Killarney ON POM2A0

Database:
[GEN](#)

Generator No: ON9766198
SIC Code:
SIC Description:
Approval Years: As of Dec 2018
PO Box No:
Country: Canada

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

Detail(s)

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

Site: *Coco Paving Inc.*
Killarney Killarney ON POM2A0

Database:
[GEN](#)

Generator No: ON9766198
SIC Code: 212317
SIC Description: SANDSTONE MINING AND QUARRYING
Approval Years: 2014
PO Box No:
Country: Canada

Status:
Co Admin: Anthony Rossi
Choice of Contact: CO_OFFICIAL
Phone No Admin: 416-633-9670 Ext.1063
Contam. Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Site: *Coco Paving Inc. Badgeley Island Aggregates Inc.*
Killarney Killarney ON POM2A0

Database:
[GEN](#)

Generator No: ON9766198
SIC Code:
SIC Description:

Status: Registered
Co Admin:
Choice of Contact:

Approval Years: As of Apr 2022
PO Box No:
Country: Canada

Phone No Admin:
Contam. Facility:
MHSW Facility:

Detail(s)

Waste Class: 252 L
Waste Class Desc: WASTE OILS & LUBRICANTS

Site: 510091 ONTARIO INC SPORTSMAN'S INN
CHANNEL ST KILLARNEY ON

Database:
PRT

Location ID: 18177
Type: retail
Expiry Date: 1995-08-31
Capacity (L): 5000
Licence #: 0000019935

Site: SPORTSMAN'S INN
GEORGIAN BAY, SPORTSMAN'S INN MARINA, KILLARNEY MUNICIPALITY ON P0M 2A0

Database:
SPL

Ref No:	228262	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	6/14/2002	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	PIPE/HOSE LEAK	Sector Type:	
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	POSSIBLE	Site Municipality:	88411
Nature of Impact:	Water course or lake	Site Lot:	
Receiving Medium:	WATER	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	6/14/2002	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:	UNKNOWN	Source Type:	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	SPORTSMAN'S INN: A FEW L GASOLINE TO BAY, PIPE LEAK, EVAPORATING		
Contaminant Qty:			

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. **Note:** Databases denoted with " * " indicates that the database will no longer be updated. See the individual database description for more information.

Abandoned Aggregate Inventory:

Provincial

[AAGR](#)

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.*

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial

[AGR](#)

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Nov 2021

Abandoned Mine Information System:

Provincial

[AMIS](#)

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

Government Publication Date: 1800-Mar 2022

Anderson's Waste Disposal Sites:

Private

[ANDR](#)

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

Aboveground Storage Tanks:

Provincial

[AST](#)

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

Private

[AUWR](#)

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

Government Publication Date: 1999-May 31, 2022

Borehole:

Provincial

[BORE](#)

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

Government Publication Date: 1875-Jul 2018

Certificates of Approval:

Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities:

Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

Government Publication Date: Jan 2004-Dec 2020

Commercial Fuel Oil Tanks:

Provincial CFOT

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

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

Government Publication Date: Feb 28, 2022

Chemical Manufacturers and Distributors:

Private CHEM

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

Government Publication Date: 1999-Jan 31, 2020

Chemical Register:

Private CHM

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

Government Publication Date: 1999-May 31, 2022

Compressed Natural Gas Stations:

Private CNG

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

Government Publication Date: Dec 2012 -Apr 2022

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial COAL

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.*

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:

Provincial CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

Government Publication Date: 1989-Jun 2022

Certificates of Property Use:

Provincial CPU

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

Government Publication Date: 1994 - Jul 31, 2022

Drill Hole Database:Provincial [DRL](#)

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Government Publication Date: 1886 - Sep 2020**Delisted Fuel Tanks:**Provincial [DTNK](#)

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

Government Publication Date: Feb 28, 2022**Environmental Activity and Sector Registry:**Provincial [EASR](#)

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

Government Publication Date: Oct 2011- Jul 31, 2022**Environmental Registry:**Provincial [EBR](#)

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

Government Publication Date: 1994 - Jul 31, 2022**Environmental Compliance Approval:**Provincial [ECA](#)

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

Government Publication Date: Oct 2011- Jul 31, 2022**Environmental Effects Monitoring:**Federal [EEM](#)

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Government Publication Date: 1992-2007***ERIS Historical Searches:**Private [EHS](#)

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Government Publication Date: 1999-Jul 31, 2022**Environmental Issues Inventory System:**Federal [EIIS](#)

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial **EMHE**

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

Government Publication Date: Apr 30, 2022

Environmental Penalty Annual Report:

Provincial **EPAR**

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land / water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

Government Publication Date: Jan 1, 2011 - Dec 31, 2021

List of Expired Fuels Safety Facilities:

Provincial **EXP**

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

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

Government Publication Date: Feb 28, 2022

Federal Convictions:

Federal **FCON**

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal **FCS**

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government. Includes fire training sites and sites at which Per- and Polyfluoroalkyl Substances (PFAS) are a concern.

Government Publication Date: Jun 2000-Jun 2022

Fisheries & Oceans Fuel Tanks:

Federal **FOFT**

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal **FRST**

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

Government Publication Date: May 31, 2018

Fuel Storage Tank:

Provincial **FST**

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.

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

Government Publication Date: Feb 28, 2022

Fuel Storage Tank - Historic:

Provincial

[FSTH](#)

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

[GEN](#)

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Government Publication Date: 1986-Apr 30, 2022

Greenhouse Gas Emissions from Large Facilities:

Federal

[GHG](#)

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

Government Publication Date: 2013-Dec 2019

TSSA Historic Incidents:

Provincial

[HINC](#)

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

[IAFT](#)

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks:

Provincial

[INC](#)

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

Government Publication Date: Feb 28, 2022

Landfill Inventory Management Ontario:

Provincial

[LIMO](#)

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

Government Publication Date: Mar 21, 2022

Canadian Mine Locations:

Private

[MINE](#)

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

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial [MNR](#)

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

Government Publication Date: 1846-Feb 2022

National Analysis of Trends in Emergencies System (NATES):

Federal [NATE](#)

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial [NCPL](#)

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

Government Publication Date: Dec 31, 2020

National Defense & Canadian Forces Fuel Tanks:

Federal [NDFT](#)

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal [NDSP](#)

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites:

Federal [NDWD](#)

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal [NEBI](#)

Locations of pipeline incidents from 2008 to present, made available by the Canada Energy Regulator (CER) - previously the National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells:

Federal [NEBP](#)

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory:

Federal

NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory:

Federal

NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

Government Publication Date: 1993-May 2017

Oil and Gas Wells:

Private

OGWE

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Government Publication Date: 1988-May 31, 2022

Ontario Oil and Gas Wells:

Provincial

OOGW

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

Government Publication Date: 1800-Jan 2021

Inventory of PCB Storage Sites:

Provincial

OPCB

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013

Orders:

Provincial

ORD

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

Government Publication Date: 1994 - Jul 31, 2022

Canadian Pulp and Paper:

Private

PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

Parks Canada Fuel Storage Tanks:

Federal

PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

Government Publication Date: Oct 2011- Jul 31, 2022

Pipeline Incidents:

Provincial PINC

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

Government Publication Date: Feb 28, 2021

Private and Retail Fuel Storage Tanks:

Provincial PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial PTTW

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

Government Publication Date: 1994 - Jul 31, 2022

Ontario Regulation 347 Waste Receivers Summary:

Provincial REC

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

Government Publication Date: 1986-1990, 1992-2019

Record of Site Condition:

Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.

RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Jul 2022

Retail Fuel Storage Tanks:

Private RST

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

Government Publication Date: 1999-May 31, 2022

Scott's Manufacturing Directory:

Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial SPL

List of spills and incidents made available the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X. The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

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

Wastewater Discharger Registration Database:

Provincial [SRDS](#)

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

Government Publication Date: 1990-Dec 31, 2020

Anderson's Storage Tanks:

Private [TANK](#)

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal [TCFT](#)

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970 - Dec 2020

Variations for Abandonment of Underground Storage Tanks:

Provincial [VAR](#)

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.

Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Waste Disposal Sites - MOE CA Inventory:

Provincial [WDS](#)

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

Government Publication Date: Oct 2011- Jul 31, 2022

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial [WDSH](#)

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30th, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial [WWIS](#)

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Government Publication Date: Jan 31, 2022

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

Appendix E - Regulatory Documents

Regulatory Framework

PROVINCIAL STATUTES

Technical Standards and Safety Act, 2000

Fuel Oil Regulation 213/01

The applicable sections of the Fuel Oil Code include installation requirements for underground storage tanks (USTs), all pressure testing, and abandonment of tanks if connected to an ignition source (past or present). Also described is the requirement for contaminated soil removal, if this is identified while tank removal is being undertaken.

Liquid Fuels Regulation 217/01

Outlines the requirements for installation, protection, containment and abandonment of above-ground storage tanks (ASTs) and USTs. Also outlines the requirement for cleanup of any soil surrounding the tank which may be contaminated.

Occupational Health and Safety Act, 1990

Regulation respecting Asbestos, Ontario Regulation 837/90, (as amended by Ontario Regulation 509/92); and Regulation respecting Asbestos on Construction Projects and in Buildings and Repair Operations, Ontario Regulation 838/90, (as amended by Ontario Regulation 510/92)

Regulation 837/90 (formerly 570/82) is primarily concerned with the mining of asbestos and its use in industrial processes. However, if an asbestos management program was developed under this regulation prior to the filing of Regulation 838 (formerly 654) (December 16, 1985), this regulation still applies to building owners.

Regulation 838/90 was developed to address friable asbestos-containing material. A friable material is one that can be crumbled, pulverized, or powdered by hand pressure when dry. It has the potential for asbestos to become airborne. Materials of concern include insulation used on pipe, boilers, or sprayed on roofs. These applications have been banned by the regulations. Automotive and elevator system brake pads are examples of other asbestos materials that may become friable.

Regulation 838/90 requires that a management program be established in buildings where friable asbestos is known to be present. This program includes training of workers who may disturb the materials containing asbestos. The program must also include a program of inspection and maintenance of the materials. This regulation is designed to prevent worker exposure to airborne asbestos fibers.

Although asbestos is not considered a hazardous waste, Regulation 347, made under the Ontario Environmental Protection Act, does define specific requirements for the disposal of materials containing friable asbestos at landfills. These requirements include notification of the landfill site, labeling and containment of the material.

Bill 208

Bill 208, an Act to amend the Occupational Health and Safety Act and the Workers Compensation Act, requires the building owner to report to contractors and subcontractors any "Designated Substances" present, especially before any construction work is undertaken on the owner's building/property. The Designated Substances, identifying hazardous materials which are subject to Ontario Ministry of Labour regulations, include the following:

Acrylonitrile	Arsenic	Asbestos
Benzene	Coke Oven Emissions	Ethylene Oxide
Isocyanates	Lead	Mercury
Silica	Vinyl Chloride	

Although PCB is not a designated substance, the building is required to be surveyed for its identification as required under O.R. 362.

Ontario Environmental Protection Act, 1990

Key Regulations

Ontario Regulation 101/94 - Recycling and composting of municipal waste

Ontario Regulation 102/94 - Waste Audits and Waste Reduction Work Plans

Ontario Regulation 103/94 - Industrial, Commercial and Institutional Source Separation Programs

Ontario Regulation 104/94 - Packaging Audits and Packaging Reduction Work Plans

Ontario Regulation 105/94 - Amendments to Ontario Reg. 347 to accommodate recyclable materials

Air Pollution - General, RSO 1990, Regulation 346

Controls the certification of air discharges to the Environment. Further outlines contaminants and quantities which may be discharged through air emissions. Requires all air emissions to have a Certificate of Approval (C of A) with few exceptions. The C of A must be gained prior to installation of the air discharge vent or aperture.

General Waste Management, RSO 1990, Regulation 347

Formerly known as Regulation 309, RSO 1980, this regulation outlines the registration and disposal requirements for generators of hazardous and liquid industrial waste. The regulation requires that all waste identified in any of the associated schedules be given a generator number which applies to the site, and may not be transferred.

PCB Waste Management - RSO 1990, Regulation 362

Formerly known as Ontario Regulation 11/82, this regulation details the management of PCB waste. Also defines what is considered PCB waste and the requirements for storage.

Ozone Depleting Substances - General, Regulation 356/90, (as amended by Ontario Regulation 851/93; and Ontario Regulation 189/94, Refrigerants).

Regulation 356/90 is concerned with the use of ozone depleting substances in the making of pressurized containers, flexible foams and rigid insulation foams. It restricts the amounts of ozone depleting substances used to make these products over a period of time.

Ontario Regulation 189/94 is concerned with the discharge of a refrigerant into the natural environment, the use and disposal of refrigeration equipment, the sale of refrigerant, the use and disposal of refrigerant containers and the certification in use of refrigerants and refrigeration equipment.

Spills, Regulation 360/90-Part X RSO 1990. This regulation defines a spill, outlines compensation procedures, and give exemption to the regulation. The spill may be broadly termed an event or release which may cause, or is likely to cause, adverse effects on human health or the natural environment.

Ontario Water Resources Act

The Act governs surface water bodies and ground water. The MOE Reasonable Use Policy 15-08 and Notice 3/87 incorporate this Act and are used to determine suitable levels for discharges to specific receiving bodies.

Ontario Regulation 903 well Abandonment to protect groundwater quality.

Municipal Statutes

Ontario Ministry of Environmental Model and Municipal Sewer Use By-Laws

Each Municipality has its own version of both sanitary and storm sewer use regulations. However, under the Municipal Industrial Strategy for Abatement (MISA), a Model Sewer Use By-Law has been developed. The vast majority of municipalities have adopted the values and parameters outlined by the MISA Model. In general, the MISA Model is an important comparison as a Municipality will generally be working towards this as a discharge goal.

The City of Toronto has approved a new By-law for discharge to storm and sanitary sewers that includes a significant test of parameters. Testing requirements are based on the current and historical knowledge at the site.

FEDERAL STATUTES

Canadian Environmental Protection Act:

In general, a more broadly based guideline which outlines objectives of environmental protection. CEPA is much more goal oriented than Provincial or Municipal regulations, which are more directed at quantitative discharge limits. Although Provincial and Municipal regulations are generally more comprehensive and stricter, CEPA must be complied within all cases.

Chlorobiphenyls Regulation, SOR/91-152, February 1991.

Extract from Canada Gazette, Part II, Department of the Environment. This regulation outlines prohibition, quantities which may be released, and defined PCB as a waste.

Storage of PCB Material Regulation (SOR/92-507)

This regulation defines PCBs, outlines access to site, storage requirements, maintenance and inspection and record keeping requirements. This regulation is outlined in Ontario by Provincial PCB regulation (O.R. 362) with comparable enforceable requirements and effect.

Atomic Energy Control Act

Exposure to radioactive materials is regulated by the Atomic Energy Control Board. Exposure to radon is regulated by Health and Welfare Canada.

Other Guidelines

Canada Mortgage and Housing Corporation (CMHC) Mortgage Insurance

Policy for managing environmental risks, June 1993, from Canada Mortgage and Housing Corporation (CMHC).

CMHC identifies requirements for environmental site assessments to be conducted for all mortgage insurance applications or potential claims involving more than six housing units.

Canadian Standards Association (CSA)

CSA Standard Z-768 Phase I Environmental Site Assessment.

The Canadian Standards Association prepared a comprehensive document (Z-768) to provide standard reporting formats for documenting information necessary to assess environmental liability on a property.

Canadian Council for Ministries of the Environment (CCME)

Criteria used by CMHC to define soil and groundwater contamination, where provinces or territories do not have such criteria defined for residential/parkland use.

Guideline for use at contaminated Sites in Ontario - Revised 1997, 1998

Provides criteria to define soil and groundwater contamination at sites to various land and groundwater uses.

Legal Notification

This report was prepared by EXP Services Inc. for the account of the Municipality of Killarney.

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