



GODERICH PORT MANAGEMENT CORPORATION WATER & LAND POLLUTION PREVENTION PLAN



BMROSS File No. 23081

**Goderich Port Management Corporation
Water and Land Pollution Prevention Plan**

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Approved by: Rowland Howe, President, Goderich Port Management Corporation

Issue Date: May 17, 2023

Revision History

Revision Number	Revision Date	Nature of Revision	Approval Signature
0	May 17, 2023	Document Issued	

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1.0 OBJECTIVE

1.0 Objective

1.1 Water and Land Pollution Prevention Plan (WLPPP)

The objective of this plan is to identify and document potential sources of water and land pollution on lands owned and operated by the Goderich Port Management Corporation (GPMC)/Town of Goderich. A map of the site is included as Figure 1.1. The plan also outlines best practices for pollution prevention that have been implemented and the procedures for a response in the event of a spill, leak or discharge. This WLPPP attempts to prevent/reduce the risks associated with pollutants spills and mitigate against adverse effects that could occur.

2.0 Water and Land Pollution Prevention Plan Team

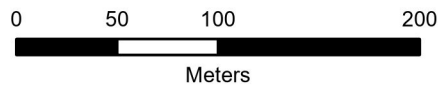
2.1 WLPPP Team Members

GPMC has established a team responsible for the development, implementation and updating the WLPPP. The team, roles, and responsibilities are summarized below:

Team Member	Role	Responsibilities
Rowland Howe	President, GPMC	<ul style="list-style-type: none">• Implementation of WLPPP.• Reviewing and revising the WLPPP.• Reporting on changes related to the WLPPP, including maintenance activities, installation of new pollution prevent equipment, spills etc.• Implementation of best practices for pollution control.• Coordination during an emergency.
Ian MacAdam	Port Master	<ul style="list-style-type: none">• Reporting on any changes to maintenance or operational activities that could impact the WLPPP.
Lisa Courtney	Planner, B. M. Ross and Associates	<ul style="list-style-type: none">• Development of WLPPP



- Town of Goderich Owned Parcels
- Privately Owned Parcels



GODERICH PORT MANAGEMENT CORPORATION
WATER AND LAND POLLUTION PREVENTION PLAN
SITE PLAN

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FIGURE No.
1.1

3.0 SITE PLANS

2.2 Contact Information

2.2.1 President, GPMC

Rowland Howe

PO Box 415, 245 North Harbour Road,
Goderich ON N7A 4C6
519-524-4247

presidentgpmc@gmail.com

2.2.2 Port Master

Ian MacAdam,
MacDonald Marine Ltd,
126 North Harbour Road,
Goderich, ON N7A 2W6
519-525-2945

3.0 Site Plans

A number of site plans have been prepared to identify current infrastructure and locations where materials are loaded/unloaded and stored on lands within the Goderich Harbour owned by the Town of Goderich. Facilities on privately owned land are not shown in the site plans included with this WLPPP.

3.1 Goderich Harbour

Figure 1.1 shows the general location of Goderich Harbour, Lake Huron, and the Maitland River. It also shows properties owned by the Town of Goderich and those held privately. It should be noted that property boundaries are approximate locations. Docks and major harbour facilities are shown in Figure 1.1.

3.2 Water Infrastructure

Figure 3.1 identifies the location of municipal water infrastructure at Goderich Harbour. The infrastructure in place is owned and maintained by the Town of Goderich.

3.3 Wastewater Infrastructure

The wastewater infrastructure located within the vicinity of the Goderich Harbour is shown in Figure 3.2 Wastewater from the Harbour is conveyed through forcemains

3.0 SITE PLANS

and gravity sewers to the Goderich Water Pollution Control Plant, located south of the harbour. There is a watercraft sewage dumping station located at Dock 2. Wastewater from the dumping station is conveyed to the Main Beach Sewage Pumping Station.

3.4 Stormwater Infrastructure

Stormwater infrastructure within Goderich Harbour is shown in Figure 3.3. The Town of Goderich is the owner of the stormwater infrastructure shown in Figure 3.3.

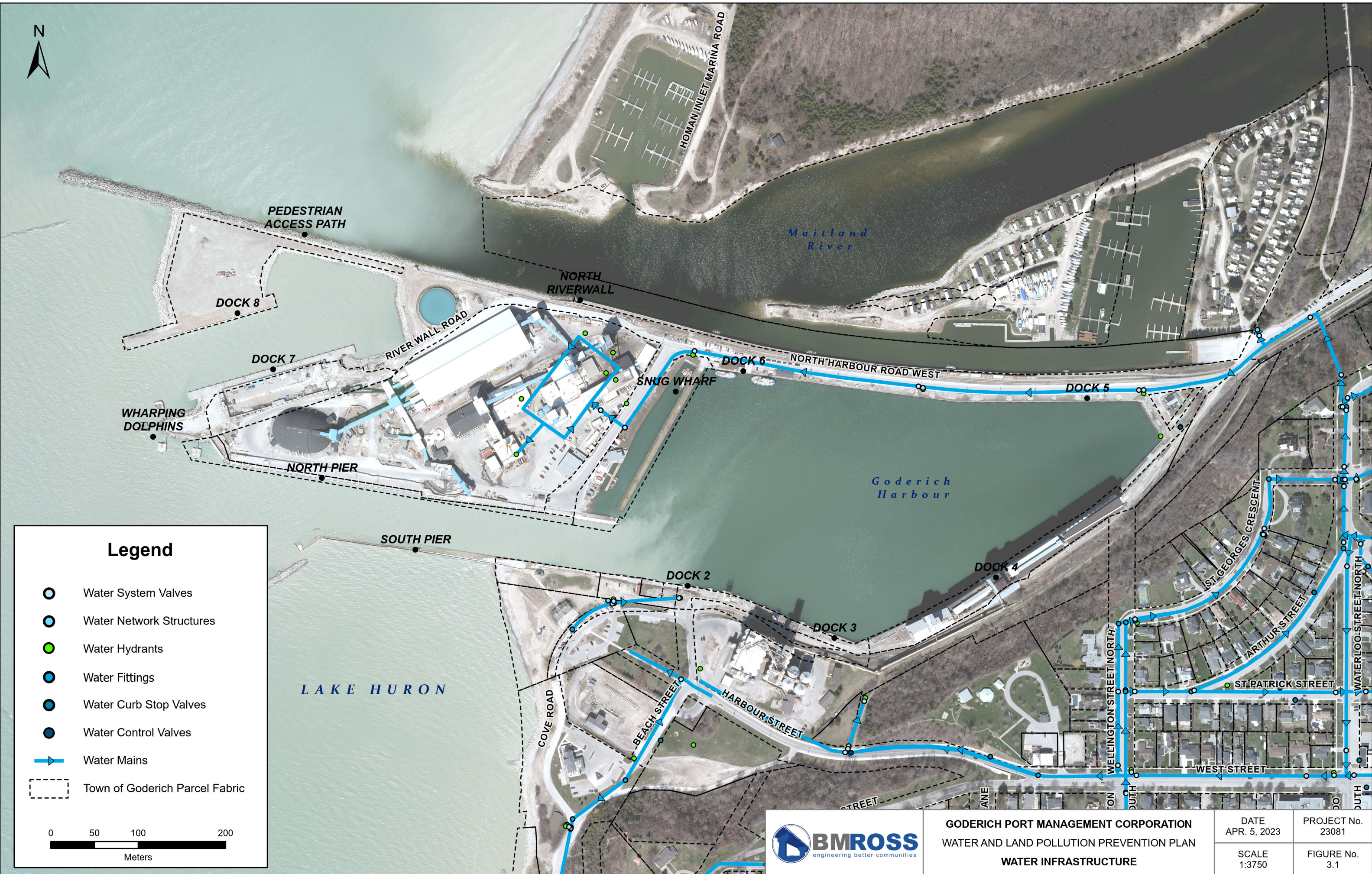
Stormwater management infrastructure in the vicinity of Goderich Harbour includes storm sewers, stormwater outlets and ditches. Lake Huron is the stormwater receiver.

3.5 Facilities, Cargo and Storage Locations








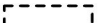
The locations of facilities, cargo loading, unloading and storage areas are shown in Figure 3.4. Table 3.1 summarizes the presence of features identified in Figure 3.4.

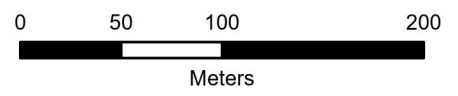
Table 3.1 Facilities, Cargo and Storage Area Locations

Feature	Presence/Location
Cargo loading and unloading areas	Shown in Figure 3.4. Docks 1-8, Snug Harbour.
Cargo storage and handling areas	Shown in Figure 3.4
Location of underground and above ground tanks	Shown in Figure 3.4 – Da-Lee tanks
Location of past major spills or leaks (if applicable)	Not applicable
Location of fueling, maintenance, repairs and washing of vehicles and equipment, vessel maintenance, repair, washing and painting, sanding, blasting, welding metal fabrication	Shown in Figure 3.4
Location of bulk piles	Shown in Figure 3.4
Location of storage areas of cargo residues, spent sandblasting grit or other industrial waste	Not applicable
Location of hazardous material storage area(s)	Shown in Figure 3.4
Location of vehicles, machinery, fixed equipment	Not applicable
Location of storage areas for portable and mobile equipment	Not applicable



Legend

-  Water System Valves
-  Water Network Structures
-  Water Hydrants
-  Water Fittings
-  Water Curb Stop Valves
-  Water Control Valves
-  Water Mains
-  Town of Goderich Parcel Fabric



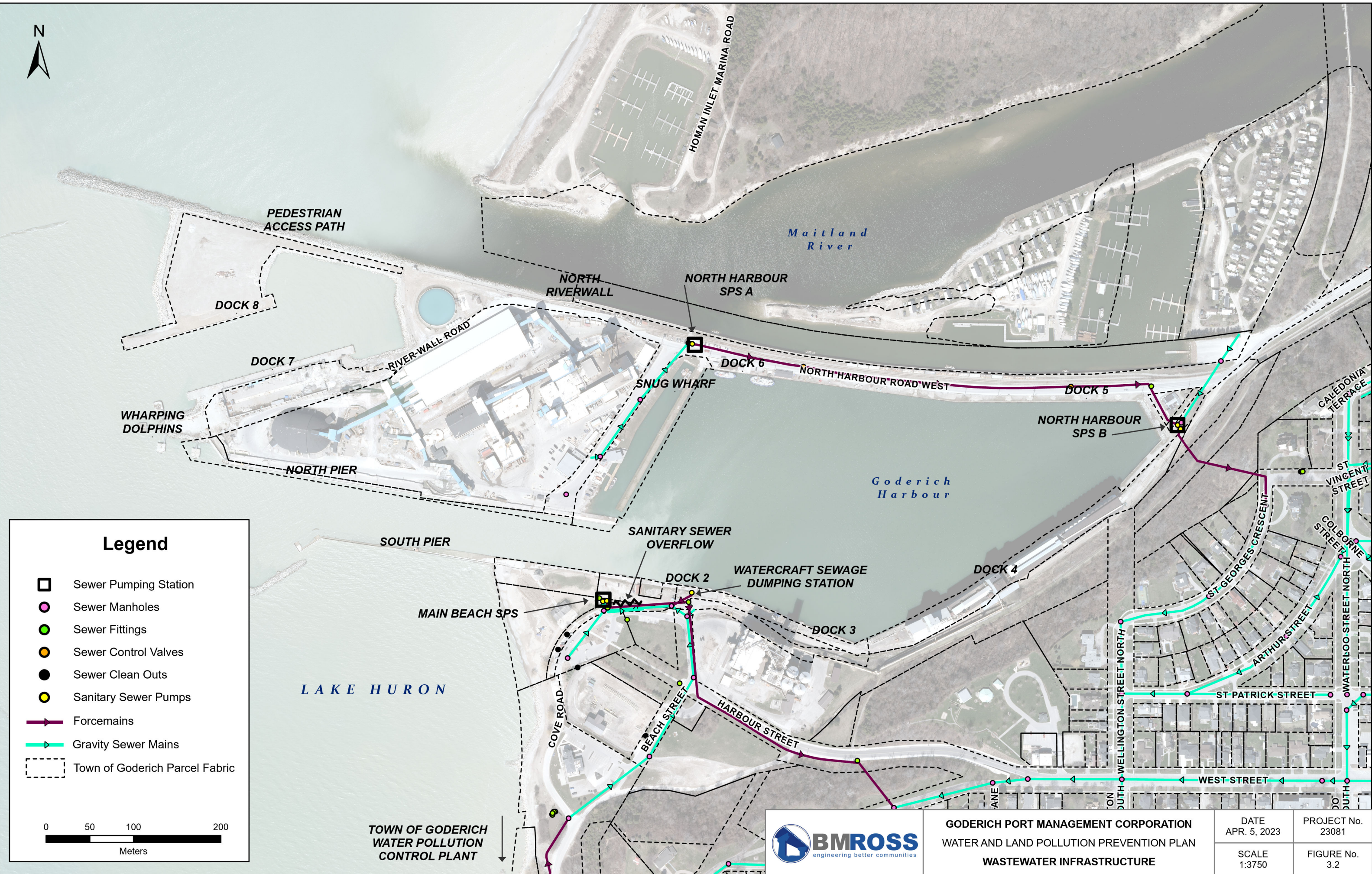
GODERICH PORT MANAGEMENT CORPORATION
WATER AND LAND POLLUTION PREVENTION PLAN
WATER INFRASTRUCTURE

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

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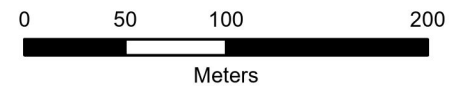
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FIGURE No.
3.1



Legend

-  Sewer Pumping Station
-  Sewer Manholes
-  Sewer Fittings
-  Sewer Control Valves
-  Sewer Clean Outs
-  Sanitary Sewer Pumps
-  Force mains
-  Gravity Sewer Mains
-  Town of Goderich Parcel Fabric



TOWN OF GODERICH
WATER POLLUTION
CONTROL PLANT



GODERICH PORT MANAGEMENT CORPORATION
 WATER AND LAND POLLUTION PREVENTION PLAN
 WASTEWATER INFRASTRUCTURE

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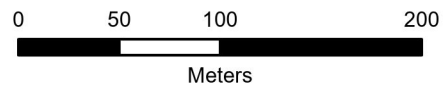
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FIGURE No.
3.2



Legend

-  Storm System Valves
-  Storm Manholes
-  Storm Inlets
-  Storm Fittings
-  Storm Discharge Points
-  Storm Gravity Mains
-  Storm Open Drains
-  Outfall Sub-catchments
-  Town of Goderich Parcel Fabric



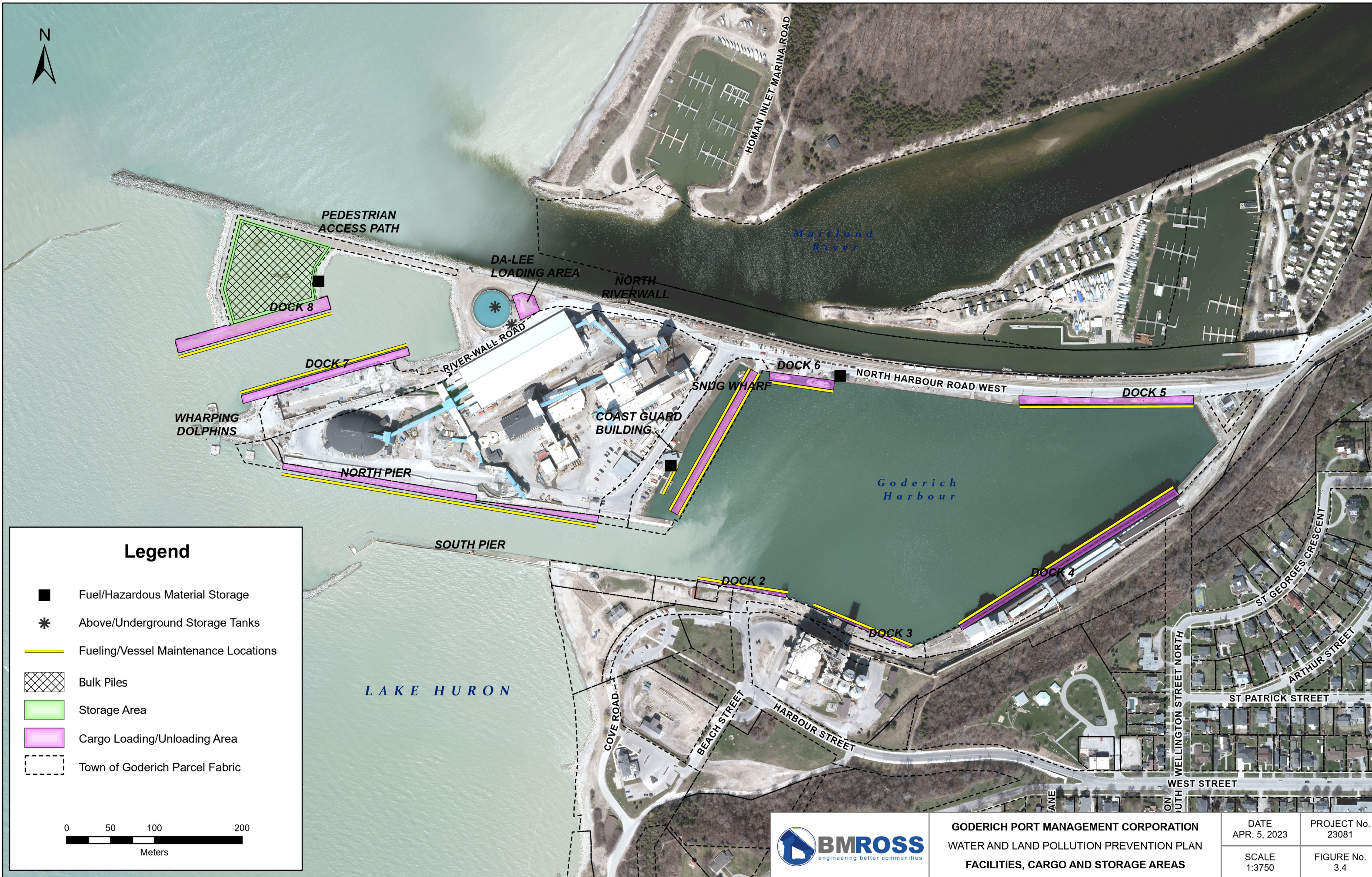
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WATER AND LAND POLLUTION PREVENTION PLAN
STORMWATER INFRASTRUCTURE

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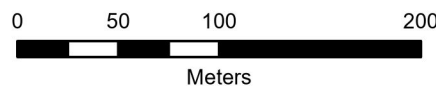
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FIGURE No.
3.3



Legend

- Fuel/Hazardous Material Storage
- Above/Underground Storage Tanks
- Fueling/Vessel Maintenance Locations
- Bulk Piles
- Storage Area
- Cargo Loading/Unloading Area
- Town of Goderich Parcel Fabric



GODERICH PORT MANAGEMENT CORPORATION
WATER AND LAND POLLUTION PREVENTION PLAN
FACILITIES, CARGO AND STORAGE AREAS

DATE
APR. 5, 2023

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FIGURE No.
3.4

4.0 POTENTIAL POLLUTANTS INVENTORY

4.0 Potential Pollutants Inventory

4.1 Vehicles, Machinery and Equipment

GPMC does not have any vehicles, machinery or equipment that is under the Port's direct control. Should any of the aforementioned be acquired by the Port, the WLPPP will be updated accordingly.

4.2 Potential Pollutants Inventory

Table 4.1 summarizes the potential pollutants are stored or used in quantities that could impact or contaminate the water and land.

Table 4.1 Summary of Potential Pollutants and Locations

Potential Pollutant	Location
Diesel Fuel	<ul style="list-style-type: none">• Dock 8 – 1,340 L Diesel tank owned by Tomlinson (Fuel Handling and Storage Plan in place).• Coast Guard Building
Paint	<ul style="list-style-type: none">• Coast Guard Building
Various Greases	<ul style="list-style-type: none">• Coast Guard Building
Anti-Freeze	<ul style="list-style-type: none">• Coast Guard Building
Various Oils	<ul style="list-style-type: none">• Coast Guard Building
Waste Oils	<ul style="list-style-type: none">• Coast Guard Building
Waste Batteries	<ul style="list-style-type: none">• Coast Guard Building

4.3 Cargo Products

The following cargo is currently handled at the Goderich Harbour:

- Salt
 - Loading of salt occurs on the Compass Minerals site and policies and procedures related to salt handling are in place.
- Bulk aggregate
- Agricultural grains including: wheat, soy beans, and corn.
- Calcium Chloride

Calcium Chloride is stored in tanks with a 60 mm polyethylene liner for primary containment and a concrete structure for secondary containment. Da-Lee has a Spill Prevention Plan in place for loading/unloading and handling of calcium chloride.

5.0 BEST PRACTICES

Handling of agricultural material may on occasion generate grain dust that settles on the dock. As needed, the produce is swept up into containers for disposal.

Handling of bulk aggregate does not generate residues requiring any action.

5.0 Best Practices

The following best practices for activities undertaken by GPMC are summarized below:

Table 5.1 Best Practices for GPMC Activities

Activity	Best Practice
Regularly inspect near shore water and property to identify and immediate stop leaks from any source	Ensure regular inspections take place.
Have emergency spill kits on site for minor spills	Spill kits are available for use as needed. The spill kits are located in the following locations: <ul style="list-style-type: none">• West end of Dock 1• Spill Containment Trailer (at Coast Guard Station)• Tug adjacent to the GPMC office (2 spill kit drums)
Train employees to respond to small spills	GPMC employees are trained and advised on the use of spill kits and emergency procedures.
Coordinate with Port users on environmental protection measures	Meet with Port users and discuss policies and procedures in place to prevent pollution and spills.
Security patrols	Security team regularly patrols the Port and observe and report any unexpected conditions, including any onshore or in-water spills.

6.0 Response Procedures

GPMC has identified potential pollution sources and related pollutants from operation and maintenance activities undertaken by the Port. The following activities and pollution sources, summarized in Table 6.1 are limited to those undertaken by GPMC.

7.0 CONTINUAL IMPROVEMENT

Table 6.1 Potential Pollution Sources and Prevention Measures

Activity	Possible Sources of Pollution	Types of Pollutants	Pollution Prevention Measures
Maintenance	Spills or leaks during maintenance operations to Port infrastructure	<ul style="list-style-type: none"> • Oils • Lubricants • Hydraulic fluid • Paint • Anti-freeze 	<ul style="list-style-type: none"> • Ensuring Contractors have spill kits and spill prevention policies.
Operations	Exhaust emissions from building heating systems	<ul style="list-style-type: none"> • CO, CO2, Particulate matter 	<ul style="list-style-type: none"> • Control emissions through use of thermostat programming.
Operations	Loading/unloading of cargo	<ul style="list-style-type: none"> • Bulk aggregate • Agricultural cargo residue 	<ul style="list-style-type: none"> • Use of physical barriers to contain aggregate. • Sweeping of agricultural residue from docks.

6.1 Emergency Response Plan

GPMC is in the process of updating its Emergency Response Plan. The intent of the Emergency Response Plan is to provide guidance during emergencies to reduce risks to life, health, the environment and/or property.

6.2 Major Spills

There are no major spills that are still relevant to current operations that occurred on GPMC property.

7.0 Continual Improvement

GPMC will continue to monitor opportunities to further prevent water and land pollution and dust and work with Port Users to strengthen policies and procedures.

8.0 TRAINING

8.0 Training

GPMC policies and procedures are regularly communicated to visitors and users of the Port.

9.0 Plan Revision

GPMC will review the WLPPP every two years or following:

- A change in the facilities design, operation or maintenance procedures that may increase the risk of pollutant discharge;
- A spill, leak or accident discharge;
- Changes to prevention or response procedures; or
- If the plan proves to be inefficient in preventing water and land pollution.