

# **Appendix E**

## **Consultation Records**

## Bhavika Laxman

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**From:** FPP.CA / PPP.CA (DFO/MPO) <fisheriesprotection@dfo-mpo.gc.ca>  
**Sent:** Friday, 21 August 2020 9:06 AM  
**To:** Bhavika Laxman  
**Subject:** RE: Sarnia Expanded Dock Facility Class Environmental Assessment - Information Package

Hello Bhavika,

Thank you for your email.

Fisheries and Oceans Canada (DFO) does not generally comment on Environmental Assessments. Prior to construction of the new facility, we request that you visit our website at <http://www.dfo-mpo.gc.ca/pnw-ppe/reviews-revues/request-review-demande-d-examen-001-eng.html> to determine whether DFO needs to review your project. If your project involves work in water, cannot implement [Measures to Protect Fish and Fish Habitat](#), takes place in an area mapped for Species at Risk distribution or critical habitat, is not in one of the listed exempted waterbody types, or does not fall within any of the standards and codes of practice, we recommend that you submit a Request for Review before proceeding further.

The *Fisheries Act* requires that projects avoid causing any harmful alteration, disruption or destruction of fish and/or fish habitat unless authorized by the Minister of Fisheries and Oceans Canada. The Fish and Fish Habitat Protection Program of Fisheries and Oceans Canada reviews projects to ensure compliance with the *Fisheries Act* and the *Species at Risk Act*. It is the proponent's responsibility to meet all requirements of federal, provincial and municipal agencies.

Sincerely,

**Deborah Silver**

**Biologist | Biologiste**

Fisheries and Oceans Canada | Pêches et Océans Canada

Fish and Fish Habitat Protection Program | Programme de protection du poisson et de son habitat

*Fisheries and Oceans Canada has changed the way new project proposals (referrals), reports of potential Fisheries Act violations (occurrences) and information requests are managed. Please be advised that general information regarding the management of impacts to fish and fish habitat (e.g. Measures to Protect Fish and Fish Habitat) that enable you to determine Fisheries Act requirements are available at DFO's "Projects Near Water" website at [www.dfo-mpo.gc.ca/pnw-ppe/index-eng.html](http://www.dfo-mpo.gc.ca/pnw-ppe/index-eng.html). For all occurrence reports, or project proposals where you have determined that you cannot avoid impacts to fish and fish habitat, please submit to [fisheriesprotection@dfo-mpo.gc.ca](mailto:fisheriesprotection@dfo-mpo.gc.ca). For general inquiries, call 1-855-852-8320.*

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**From:** Bhavika Laxman <Bhavika.Laxman@ghd.com>  
**Sent:** Thursday, August 20, 2020 9:46 AM  
**To:** FPP.CA / PPP.CA (DFO/MPO) <fisheriesprotection@dfo-mpo.gc.ca>  
**Subject:** Sarnia Expanded Dock Facility Class Environmental Assessment - Information Package

Hello,

On behalf of the City of Sarnia, I am following up on an information package that was sent out in July regarding the Phases 1 and 2 Municipal Class Environmental Assessment that is being carried out for proposed expansion of the existing Sarnia Dock Facility (Project).

My email today is to confirm that you have no comments regarding the proposed expansion. I have attached the information package to this email for easy reference.

Should you have any comments or concerns please do not hesitate to provide them so that they can be appropriately considered in the Project.

Thank-you,

**Bhavika Laxman**

**BEnvMan Honours (Sustainable Development)  
Environmental Planner**

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T: 416 866 2357 | V: 886357 | E: [bhavika.laxman@ghd.com](mailto:bhavika.laxman@ghd.com)  
184 Front Street East Suite 302 Toronto Ontario M5A 4N3 Canada | [www.ghd.com](http://www.ghd.com)

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4 September 2020

Reference No. 11209875

Deborah Silver  
Biologist  
Fisheries and Oceans Canada

[fisheriesprotection@dfo-mpo.gc.ca](mailto:fisheriesprotection@dfo-mpo.gc.ca)

Dear Deborah Silver:

**Re: Sarnia Expanded Dock Facility Class EA – Responses to DFO's Comments on the Preliminary Findings Information Package**

Thank you for the Department of Fisheries and Oceans Canada (DFO) comments provided in your August 21, 2020 email on the proposed expansion of the Sarnia Dock Facility (the Project).

Please find attached Table 1 providing our responses to DFO's comments for your information.

Please contact me at 416 721 8206 or [ian.dobrindt@ghd.com](mailto:ian.dobrindt@ghd.com) if you have any questions on the preceding information.

Sincerely,

GHD

A handwritten signature in blue ink, appearing to read 'Ian Dobrindt', with a long horizontal flourish extending to the right.

Ian Dobrindt, MCIP, RPP, EP  
Senior EA & Approvals Practice Lead

Encl.

cc: [Christine.Pritchard@ghd.com](mailto:Christine.Pritchard@ghd.com)

[lyle.johnson@sarnia.ca](mailto:lyle.johnson@sarnia.ca)



**Table 1 Responses to DFO's Comments on the Preliminary Information Package**

Comments	Responses
<p>Fisheries and Oceans Canada (DFO) does not generally comment on Environmental Assessments. Prior to construction of the new facility, we request that you visit our website at <a href="http://www.dfo-mpo.gc.ca/pnw-ppe/reviews-revues/request-review-demande-d-examen-001-eng.html">http://www.dfo-mpo.gc.ca/pnw-ppe/reviews-revues/request-review-demande-d-examen-001-eng.html</a> to determine whether DFO needs to review your project.</p> <p>If your project involves work in water, cannot implement Measures to Protect Fish and Fish Habitat, takes place in an area mapped for Species at Risk distribution or critical habitat, is not in one of the listed exempted waterbody types, or does not fall within any of the standards and codes of practice, we recommend that you submit a Request for Review before proceeding further.</p>	<p>GHD has reviewed the information provided on the Fisheries and Oceans Canada website and has determined that the Project will require review by DFO. Through an initial review of DFO Aquatic Species at Risk online mapping, we have identified records for the following Federal SAR in the vicinity of the Study Area:</p> <ul style="list-style-type: none"> <li>• Silver lamprey (Special Concern)</li> <li>• Spotted sucker (Special Concern)</li> <li>• Northern madtom (Endangered)</li> <li>• Channel darter (Endangered)</li> </ul> <p>GHD has officially submitted a Request for Review to DFO on August 11, 2020 and has received confirmation that the Project Information has been sent to the Fish and Fish Habitat Protection Program Regulatory Review.</p> <p>The DFO File number for your reference is: 20-HCAA-01638.</p>
<p>The <i>Fisheries Act</i> requires that projects avoid causing any harmful alteration, disruption or destruction of fish and/or fish habitat unless authorized by the Minister of Fisheries and Oceans Canada. The Fish and Fish Habitat Protection Program of Fisheries and Oceans Canada reviews projects to ensure compliance with the <i>Fisheries Act</i> and the <i>Species at Risk Act</i>. It is the proponent's responsibility to meet all requirements of federal, provincial and municipal agencies.</p>	<p>Noted.</p>

## Bhavika Laxman

---

**From:** Christine Pritchard  
**Sent:** Wednesday, 14 October 2020 12:10 PM  
**To:** Cho, Steve  
**Cc:** Jennifer Penton; Ian Dobrindt; Bhavika Laxman  
**Subject:** RE: Dock Extension, St. Clair River, Sarnia (20-HCAA-01638)  
**Attachments:** 11209875\_Bathymetry\_0520\_GIS001.pdf

**CompleteRepository:** 11209875  
**Description:** Sarnia Dock Facility Services  
**JobNo:** 11209875  
**OperatingCentre:** 662  
**RepoEmail:** 11209875@ghd.com  
**RepoType:** Project

Hi Steve,

Sorry for the delay. I took some vacation time before camping season ended.

In addition to Jen Penton's response, I have also attached a bathymetry figure for the area, if this helps you with the details about the channel profile. Please let me know if this is sufficient, or if you require us to extract cross sections.

When the geotechnical report is ready, I will forward you the information as soon as possible.

**Christine Pritchard, B.Sc., CAN-CISEC**  
**Ecologist/Habitat Technician**

### GHD

T: +1 905 814 4393 | F: +1 905 890 8499 | V: 881393 | C: +1 416 859 2033 | E: [christine.pritchard@ghd.com](mailto:christine.pritchard@ghd.com)  
6705 Millcreek Drive Unit 1 Mississauga ON L5N 5M4 Canada | [www.ghd.com](http://www.ghd.com)

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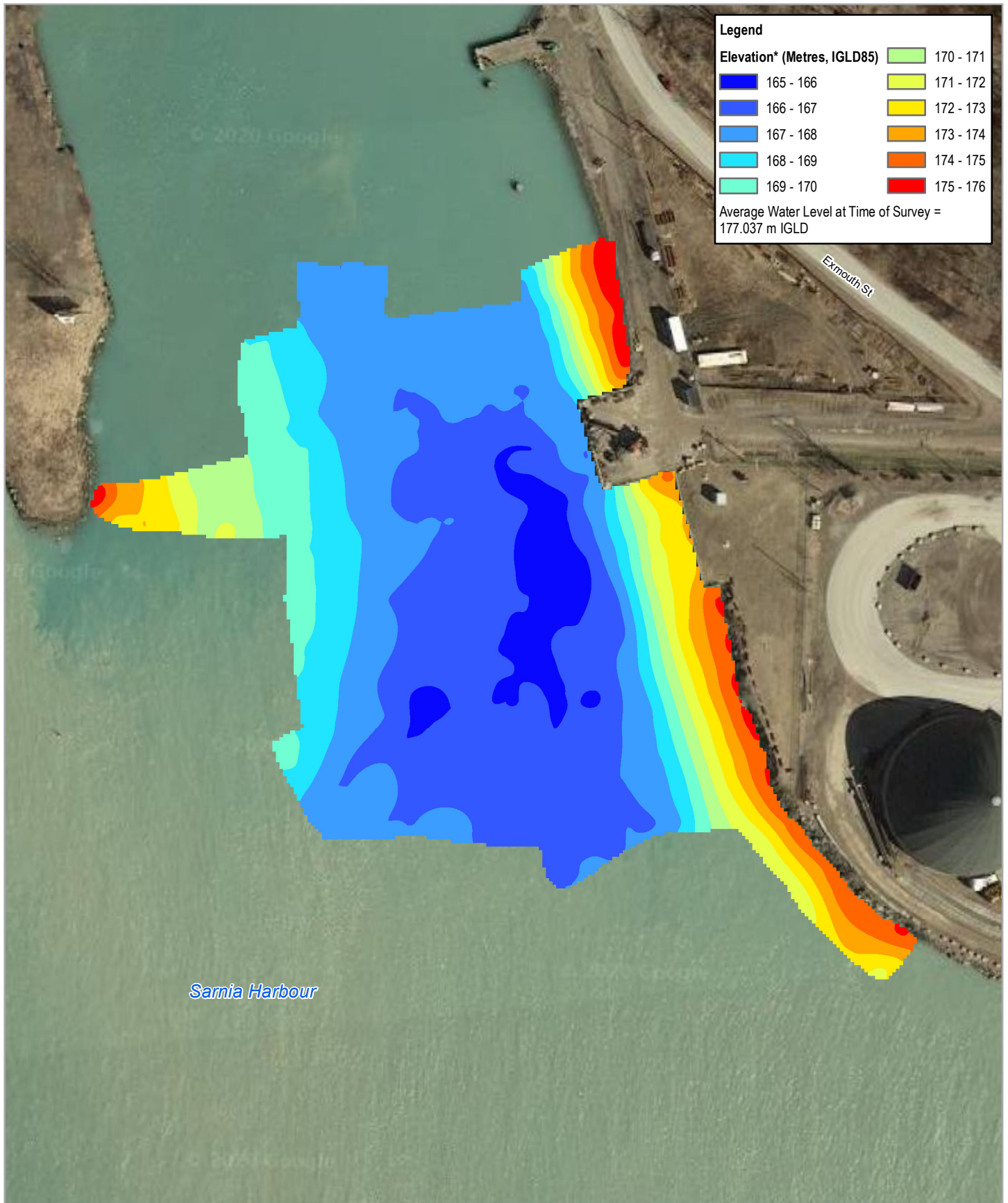
**From:** Cho, Steve <Steve.Cho@dfo-mpo.gc.ca>  
**Sent:** Wednesday, October 07, 2020 6:17 PM  
**To:** Christine Pritchard <Christine.Pritchard@ghd.com>  
**Cc:** Jennifer Penton <Jennifer.Penton@ghd.com>; Ian Dobrindt <Ian.Dobrindt@ghd.com>; Bhavika Laxman <Bhavika.Laxman@ghd.com>  
**Subject:** RE: Dock Extension, St. Clair River, Sarnia (20-HCAA-01638)

Hi Christine,

Could you give me an update on the details of geotechnical investigation that was expected to be completed in October? Will this include details about the channel profile at the location? I'm trying to get more information on the depth profile of the nearshore and substrate composition as we spoke about earlier.

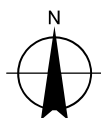
Once I have received this information and have had a chance to review it I would like to schedule a site visit with you.

Thanks,  
Steve



Paper Size ANSI A  
0 10 20 30 40  
Meters

Map Projection: Transverse Mercator  
Horizontal Datum: North American 1983  
Grid: NAD 1983 UTM Zone 17N



**CITY OF SARNIA  
UNDERWATER ASSESSMENT OF  
EXISTING MINI DOCK A**

**BATHYMETRIC SURVEY**

Project No. 11209875  
Revision No. -  
Date Jun 8, 2020

**FIGURE 1**

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**From:** Christine Pritchard <[Christine.Pritchard@ghd.com](mailto:Christine.Pritchard@ghd.com)>  
**Sent:** Tuesday, September 22, 2020 12:05 PM  
**To:** Cho, Steve <[Steve.Cho@dfo-mpo.gc.ca](mailto:Steve.Cho@dfo-mpo.gc.ca)>  
**Cc:** Jennifer Penton <[Jennifer.Penton@ghd.com](mailto:Jennifer.Penton@ghd.com)>; Ian Dobrindt <[Ian.Dobrindt@ghd.com](mailto:Ian.Dobrindt@ghd.com)>; Bhavika Laxman <[Bhavika.Laxman@ghd.com](mailto:Bhavika.Laxman@ghd.com)>  
**Subject:** RE: Dock Extension, St. Clair River, Sarnia (20-HCAA-01638)

Hi Steve,

So, as the living wall along Face D will tie into the eroding shoreline and stabilize the shore up to the slight bend at the fence line, the 30 m of shoreline improvement is the approximate length between Face D and the fence line – indicated by the red line on the attached figure.

As the proposed design has been described to me, currently the plan is to have a SSP wall on face D with the living buttress in front of it. As we get further into the design process, we will be able to provide detailed drawings on this.

**Christine Pritchard, B.Sc., CAN-CISEC**  
**Ecologist/Habitat Technician**

**GHD**

T: +1 905 814 4393 | F: +1 905 890 8499 | V: 881393 | C: +1 416 859 2033 | E: [christine.pritchard@ghd.com](mailto:christine.pritchard@ghd.com)  
6705 Millcreek Drive Unit 1 Mississauga ON L5N 5M4 Canada | [www.ghd.com](http://www.ghd.com)

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**From:** Cho, Steve <[Steve.Cho@dfo-mpo.gc.ca](mailto:Steve.Cho@dfo-mpo.gc.ca)>  
**Sent:** Tuesday, September 22, 2020 9:20 AM  
**To:** Christine Pritchard <[Christine.Pritchard@ghd.com](mailto:Christine.Pritchard@ghd.com)>  
**Cc:** Jennifer Penton <[Jennifer.Penton@ghd.com](mailto:Jennifer.Penton@ghd.com)>; Ian Dobrindt <[Ian.Dobrindt@ghd.com](mailto:Ian.Dobrindt@ghd.com)>; Bhavika Laxman <[Bhavika.Laxman@ghd.com](mailto:Bhavika.Laxman@ghd.com)>  
**Subject:** RE: Dock Extension, St. Clair River, Sarnia (20-HCAA-01638)

Hi Chrstine,

Thanks for the answer.

I'm a little confused about the "living shoreline" still. The plan drawing says Face D is approx. 14 m but the description for the project says it will improve 30 m of shoreline. Could you clarify this?

Also, could you confirm that there will be a SSP wall on Face D and then the living buttress in front of it?

Thanks,  
Steve Cho

---

**From:** Christine Pritchard <[Christine.Pritchard@ghd.com](mailto:Christine.Pritchard@ghd.com)>  
**Sent:** Monday, September 21, 2020 1:39 PM  
**To:** Cho, Steve <[Steve.Cho@dfo-mpo.gc.ca](mailto:Steve.Cho@dfo-mpo.gc.ca)>  
**Cc:** Jennifer Penton <[Jennifer.Penton@ghd.com](mailto:Jennifer.Penton@ghd.com)>; Ian Dobrindt <[Ian.Dobrindt@ghd.com](mailto:Ian.Dobrindt@ghd.com)>; Bhavika Laxman <[Bhavika.Laxman@ghd.com](mailto:Bhavika.Laxman@ghd.com)>  
**Subject:** RE: Dock Extension, St. Clair River, Sarnia (20-HCAA-01638)



Hi Steve,

Thank you for your response in regards to our DFO submission for the Sarnia Dock Expansion project. Please see below responses in green.

**Christine Pritchard, B.Sc., CAN-CISEC**  
**Ecologist/Habitat Technician**

**GHD**

T: +1 905 814 4393 | F: +1 905 890 8499 | V: 881393 | C: +1 416 859 2033 | E: [christine.pritchard@ghd.com](mailto:christine.pritchard@ghd.com)  
6705 Millcreek Drive Unit 1 Mississauga ON L5N 5M4 Canada | [www.ghd.com](http://www.ghd.com)

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**From:** Cho, Steve <[Steve.Cho@dfo-mpo.gc.ca](mailto:Steve.Cho@dfo-mpo.gc.ca)>  
**Sent:** Friday, September 11, 2020 2:34 PM  
**To:** Christine Pritchard <[Christine.Pritchard@ghd.com](mailto:Christine.Pritchard@ghd.com)>  
**Subject:** Dock Extension, St. Clair River, Sarnia (20-HCAA-01638)

Hello Christine,

My name is Steve Cho and I am the Biologist that has been assigned to review the Dock Extension, St. Clair River, Sarnia (20-HCAA-01638), on behalf of the department.

Just a few questions to start:

1. I want to confirm that the area that is outlined in Figure 2 is approx 1400 m2 and what is proposed to be enclosed. **Correct.**
2. What is planned for the "living shoreline" on Face D of the shoreline? **This would be developed during the preliminary and detailed design stages with full details provided to DFO, however at this time we are picturing something along the lines of a vegetated rock buttress in front of the sheet pile wall along Face D, that would incorporate living shrub vegetation overhanging along the water's edge and rock crevices that would add to fish cover and habitat opportunities beyond what the existing eroding bank provides. This would tie into the adjacent shoreline where it is currently eroding, and thus stabilize that shoreline up to the property fence line as well. Cargill, owners of the adjacent property, have installed a revetment to stop this erosion, as it is an issue. We hope to address this issue with a more nature-friendly approach.**
3. What are the existing substrates present within the river bottom? I understand that the shoreline is made up of sheet steel wall, riprap, and concrete rubble but I'm not sure what's in the river itself within the proposed enclosure. **Riprap transitions to sand and gravel at the shoreline, and then a clay-mud consistency at deeper depths where it is dredged every 5 years. A geotechnical investigation is currently being completed as part of the design process to further investigate the composition below the riverbed. Results are pending and can be provided in October 2020, if required.**

Site isolation and fish relocation will likely be required. **We will anticipate incorporating this into the detailed design.** If you have any questions please do not hesitate to contact me.

Regards,  
Steve Cho

Steve Cho  
Fisheries Biologist  
Regulatory Review  
[Steve.Cho@dfo-mpo.gc.ca](mailto:Steve.Cho@dfo-mpo.gc.ca)  
Office: 905-336-6248  
Mobile: 289-253-7952

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August 10, 2020

Reference No. 11209875

Department of Fisheries and Oceans  
Fisheries Protection Program Office  
867 Lakeshore Road  
Burlington, ON L7S 1A1

To Whom It May Concern,

**Re: Port of Sarnia Dock Expansion  
DFO Request for Review  
St. Clair River; City of Sarnia, Ontario**

## **1. Introduction**

GHD has been retained by the City of Sarnia (City) to provide engineering services for the proposed expansion of their existing dock facility at the Port of Sarnia. The City is carrying out the Project in support of the Oversized Load Corridor (OLC). The OLC is a designated protected route on existing roadways connecting fabricators to the Port of Sarnia for the unimpeded import/export and transshipment of oversized product to and from fabricators' locations and Sarnia-Lambton's industrial base. The expanded dock facility and OLC will improve the competitiveness of local fabricators and large industry by reducing shipping costs, creating new jobs, and increasing the potential for the export of valuable locally manufactured vessels, reactors and modules. The OLC is in partnership with the City of Sarnia, the County of Lambton, St. Clair Township, and the Sarnia-Lambton Industrial Alliance (SLIA).

This letter and associated attachments outline the general design, approach and considerations related to the dock expansion. Attachments include:

1. Attachment A - DFO Request for Review Form
2. Attachment B – Project Location Figures
3. Attachment C – Site Photographs of Existing Aquatic Conditions

It is noted that this project is currently progressing through a Provincial Schedule B Class Environmental Assessment process, with preliminary and detailed design to follow in late 2020/early 2021. Preliminary and detailed design drawings will be forwarded to the DFO as soon as they are available, and GHD is committed to incorporating DFO comments into the proposed project, as this schedule progresses.

## **2. Proposed Works**

The City is proposing to expand their existing dock facility (Mini Dock A) located at the western limit of Exmouth Street and provide access to the St. Clair River via the Port of Sarnia (Figure 1, attached). The existing dock facilities were not designed or constructed to accommodate the loading and unloading of



large equipment. This requires temporary accommodations and limits the type and number of pieces that can currently be handled in each load. The Project will provide direct and cost effective access to the waterways of the Great Lakes and St. Lawrence Seaway system providing fabricators and constructors cost competitive transport to National and International markets directly supporting the "Making Ontario Open for Business" campaign.

The Project will include an expanded dock, mooring facilities, storage area, and laydown areas suitable for ship to shore loading/offloading and roll on/roll off barge loading. Based on the expansion, the dock will attain an additional 112 m of dock face, offering approximately 1,400 m<sup>2</sup> of additional shipping and storage area. It is anticipated that the new dock faces will consist of concrete covered sheet pile walls, with exception of the southernmost dock face (Face "D", Figure 2), which will incorporate a living shoreline in order to offer habitat opportunities for local flora and fauna. The expanded dock will be able to birth ships up to 35,000 DWT, and will offer a significant increase to Sarnia Port's potential client base. The current dredge regimen of the harbour will be maintained, in which maintenance dredging to 8.2 m below Chart Datum (IGLD 1985) is undertaken every 5 years.

### **3. Existing Conditions**

The site was visited by a GHD ecologist on May 27, 2020. Existing land use is shown on Figure 3. Site photographs have been included as an attachment. The proposed dock expansion area is within the existing maintenance dredging footprint. A gravel access road, boat launch area and small dock area currently exist. The boat launch area has an approximate 5 m long riprap ramp, followed by a steep drop off. The dock area is lined by sheet pile walls, with a steep drop off. There was no vegetation or woody debris in these areas. Schools of fish identified as emerald shiner were seen congregating along the sheet pile wall near the water's surface. The shoreline to the south of the existing dock was eroding, with rip rap and concrete rubble along its slope. Minimal riparian vegetation, consisting of willow shrubs, a cottonwood tree and mowed grass, surrounded the shoreline.

Correspondence with MNRF has identified a warm water thermal regime; with an in-water work restriction between March 15 and July 15; as well as the following fish community: bluegill, bluntnose minnow, brook silverside, chinook salmon, common carp, common shiner, emerald shiner, freshwater drum, gizzard shad, golden shiner, largemouth bass, logperch, *Moxostoma* sp., Northern pike, rainbow trout, rock bass, round boby, smallmouth bass, spottail shiner, spotted sucker, tubenose goby, white perch, white sucker, and yellow perch.

Through an initial review of DFO Aquatic Species at Risk online mapping, we have identified records for the potential of following Federal SAR in the vicinity of the Study Area:

- Silver lamprey (Special Concern)
- Spotted sucker (Special Concern)
- Northern madtom (Endangered)



- Channel darter (Endangered)

There was no critical habitat identified by the DFO mapping.

## **4. Measures to Protect Fish and Fish Habitat**

Detailed design is pending, however GHD is committed to minimizing impacts to fish and fish habitat as part of the proposed design. The following are confirmed measures that will be taken as part of the project's implementation.

### **4.1 Prevent the Death of Fish**

The death of fish will be prevented by planning in water work to respect timing windows to protect fish. In-water work will be limited to between July 16 and March 14 of any given year.

### **Maintain Riparian Vegetation**

Current riparian vegetation is limited within the proposed work area. Tree removal is anticipated to be limited to a few young trees and a small patch of willow shrubs. Riparian vegetation would be incorporated into the living shoreline component of the project in an effort to improve the quality of riparian vegetation, concentrated at the south end of the project site.

### **Carry out Works, Undertakings and Activities on Land**

Placing of fill or permanent structures below the high water mark cannot be avoided for this proposed project, however, the project has been located within the footprint of the existing maintenance dredging area where habitat and substrate is already regularly impacted and the adjacent shoreline is eroding. Works will be planned and staged so that in-water work areas are minimized. The eroding shoreline will be stabilized.

### **Maintain Fish Passage**

Fish passage will not be impacted at any time within the St. Clair River.

### **4.2 Ensure Proper Sediment Control**

A comprehensive erosion and sediment control (ESC) plan will be developed as part of the detailed design stage of this project. The ESC plan will aim to avoid introducing sediment in the water through incorporation of Best Management Practices.

### **4.3 Prevent Entry of Deleterious Substance in Water**

Additional requirements will be incorporated into the project to ensure deleterious substances are prevented from entering the watercourse, such as requirements for refueling locations, storage, and emergency spill response protocols.



## 5. Closing

The City of Sarnia is looking to proceed with the proposed dock expansion works during the warm water timing window of July 16 to March 14, most likely occurring during the winter months of 2021/2022. Please contact the undersigned with any questions regarding the information provided. Thank you for your prompt attention to this file.

Sincerely,

GHD

A handwritten signature in blue ink, appearing to read "J. Penton", written over a light blue horizontal line.

Jennifer Penton, Ph.D  
Project Manager, Maritime & Coastal

CP/cc/1

Encl.

cc: Lyle Johnson, OLC Project Manager, City of Sarnia

A handwritten signature in blue ink, appearing to read "C. Pritchard", written over a light blue horizontal line.

Christine Pritchard, B.Sc., CAN-CISEC  
Aquatic Ecologist

## **Attachments**

# **Attachment A**

## **DFO Request Review Form**





## Request for Review

Please note that Guidance on Submitting a Request for Review is available at the end of this form. This guidance explains the requirements for a Request for Review by DFO under the fish and fish habitat protection provisions of the *Fisheries Act*. All information requested must be provided. If you attach documents to your application with additional information, you must still provide appropriate summaries in the spaces provided on the application document or your application will be considered incomplete.

### A) Contact information

Name of Business/Company:

City of Sarnia

Name of Proponent:

Lyle Johnson  
OLC Project Manager

Mailing address:

255 Christina St N

City/Town:

Sarnia

Province/Territory:

Ontario

Postal Code:

N7T 7N2

Tel. No. :

N7T 7N2

Fax No.:

Email:

lyle.johnson@sarnia.ca

Is the Proponent the main/primary contact? ☐ Yes ☒ No

Select additional contact:

Contractor/Agency/Consultant (if applicable):

Christine Pritchard  
Aquatic Ecologist  
GHD

Mailing address:

6705 Millcreek Drive, Unit 1

City/Town:

Mississauga

Province/Territory:

Ontario

Postal Code:

L5N 5M4

Tel. No. :

905-814-4393

Fax No.:

905-890-8499

Email:

christine.pritchard@ghd.com



If no, please enter information for the primary contact or any additional contact.

Christine Pritchard of GHD will be leading the environmental permitting for the project.

## B) Description of Project

If your project has a title, please provide it.

Port of Sarnia Dock Expansion

Is the project in response to an emergency circumstance\*? ☐ Yes ☒ No

Does your project involve work in water? ☒ Yes ☐ No

If yes, is the work below the High Water Mark\*? ☒ Yes ☐ No

What are you planning to do? Briefly describe all project components you are proposing in or near water.

The City is proposing to expand their existing dock facility (Mini Dock A) located at the western limit of Exmouth Street and provide access to the St. Clair River via the Port of Sarnia (Figure 1, attached). The existing dock facilities were not designed or constructed to accommodate the loading and unloading of large equipment. This requires temporary accommodations and limits the type and number of pieces that can currently be handled in each load. The Project will provide direct and cost effective access to the waterways of the Great Lakes and St. Lawrence Seaway system providing fabricators and constructors cost competitive transport to National and International markets directly supporting the "Making Ontario Open for Business" campaign.

The Project will include an expanded dock, mooring facilities, storage area, and laydown areas suitable for ship to shore loading/offloading and roll on/roll off barge loading. Based on the expansion, the dock will attain an additional 112 m of dock face, offering approximately 1,400 m<sup>2</sup> of additional shipping and storage area. It is anticipated that the new dock faces will consist of concrete covered sheet pile walls, with exception of the southernmost dock face (Face "D", Figure 1), which will incorporate a living shoreline in order to offer habitat opportunities for local flora and fauna. The expanded dock will be able to birth ships up to 35,000 DWT, and will offer a significant increase to Sarnia Port's potential client base. The current dredge regimen of the harbour will be maintained, in which maintenance dredging to 8.2 m below Chart Datum (IGLD 1985) is undertaken every 5 years.

The City is carrying out the Project in support of the Oversized Load Corridor (OLC). The OLC is a designated protected route on existing roadways connecting fabricators to the Port of Sarnia for the unimpeded import/export and transshipment of oversized product to and from fabricators' locations and Sarnia-Lambton's industrial base. The expanded dock facility and OLC will improve the competitiveness of local fabricators and large industry by reducing shipping costs, creating new jobs, and increasing the potential for the export of valuable locally manufactured vessels, reactors and modules.

How are you planning to do it? Briefly describe the construction materials, methods and equipment that you plan to use.

We are currently within the Environmental Assessment stage of the project and anticipate having a preliminary design available by late November 2020, with 90% detailed design by February 2021. At this time, we anticipate that the new dock faces will consist of concrete covered sheet pile walls, with exception of the southernmost dock face, which will incorporate a living shoreline in order to offer habitat opportunities for local flora and fauna.

The general construction methodology would include:

- Contractor mobilized to site and install turbidity curtain around our work area.
- Install steel sheet piling using a template as a guide to help keep the alignment of the wall; piles are installed in pairs.
- Install wale and anchor system (tie rods and precast concrete anchor blocks).
- Backfill with stones to waterline or to specified elevations. Backfill around anchorage system.
- Place reinforcing steel and pour concrete parapet using a pump truck
- Grade the site to specified grades/elevations.

Equipment used would include a crane with a vibro hammer or an impact hammer depending on soil properties; an excavator to salvage stones and boulders for reuse and the spreading and placing of backfill materials; and a pump truck.



Include a site plan (figure/drawing) showing all project components in and near water.

Are details attached? ☒ Yes ☐ No

Identify which work categories apply to your project.

- |   |  |
|---|--|
| <input type="checkbox"/> Aquaculture Operations           | <input type="checkbox"/> Log Handling / Dumps                      |
| <input type="checkbox"/> Aquatic Vegetation Removal       | <input type="checkbox"/> Log Removal                               |
| <input type="checkbox"/> Beaches                          | <input type="checkbox"/> Moorings                                  |
| <input type="checkbox"/> Berms                            | <input type="checkbox"/> Open Water Disposal                       |
| <input type="checkbox"/> Blasting / Explosives            | <input type="checkbox"/> Piers                                     |
| <input type="checkbox"/> Boat Houses                      | <input checked="" type="checkbox"/> Riparian Vegetation Removal    |
| <input type="checkbox"/> Boat Launches / Ramps            | <input type="checkbox"/> Seismic Work                              |
| <input type="checkbox"/> Breakwaters                      | <input checked="" type="checkbox"/> Shoreline Protection           |
| <input type="checkbox"/> Bridges                          | <input type="checkbox"/> Stormwater Management Facilities          |
| <input type="checkbox"/> Cable Crossings                  | <input type="checkbox"/> Surface Water Taking                      |
| <input type="checkbox"/> Causeways                        | <input type="checkbox"/> Tailings Impoundment Areas                |
| <input type="checkbox"/> Culverts                         | <input type="checkbox"/> Temporary Structures                      |
| <input type="checkbox"/> Dams                             | <input type="checkbox"/> Turbines                                  |
| <input type="checkbox"/> Dewatering / Pumping             | <input type="checkbox"/> Water Control Structures                  |
| <input checked="" type="checkbox"/> Docks                 | <input type="checkbox"/> Water Intakes / Fish Screens              |
| <input checked="" type="checkbox"/> Dredging / Excavation | <input type="checkbox"/> Water Outfalls                            |
| <input type="checkbox"/> Dykes                            | <input type="checkbox"/> Watercourse Realignment                   |
| <input type="checkbox"/> Fishways / Ladders               | <input type="checkbox"/> Weirs                                     |
| <input type="checkbox"/> Flow Modification (hydro)        | <input type="checkbox"/> Wharves                                   |
| <input type="checkbox"/> Groundwater Extraction           | <input type="checkbox"/> Wind Power Structures                     |
| <input type="checkbox"/> Groynes                          |  |
| <input type="checkbox"/> Habitat Restoration              |  |
| <input type="checkbox"/> Ice Bridges                      | <input type="checkbox"/> Other Please Specify <input type="text"/> |

Was your project submitted for review to another federal or provincial department or agency? ☒ Yes ☐ No

If yes, indicate to whom and associated file number(s).

We are currently working through a Provincial Schedule B Class Environmental Assessment process. The Impact Assessment Agency of Canada has determined that the Impact Assessment Act does not apply to the project. Once we reach the detailed design stage of the project, we will be submitting a permit application to the St. Clair Region Conservation Authority (SCRCA), the Ministry of Natural Resources and Forestry (MNRF) Work Permit, and a Navigation Act Approval. We have initiated consultation with the Ministry of Environment, Conservation and Parks (MECP) to determine if any approvals under the Endangered Species Act, 2007 will be required. At this time, a response has not yet been received.

## C) Location of the Project

Coordinates of the proposed project Latitude  N Longitude  W

OR UTM zone  ;  Easting  
 Northing

Include a map clearly indicating the location of the project as well as surrounding features.



Name of Nearest Community (City, Town, Village):

City of Sarnia

Municipality, District, Township, County, Province:

Lambton County, Ontario

Name of watershed (if applicable):

St. Clair River

Name of watercourse(s) or waterbody(ies) near the proposed project:

St. Clair River

Provide detailed directions to access the project site:

The existing dock facility is located at the western limit of Exmouth Street in Sarnia, Ontario.

## D) Description of the Aquatic Environment

Identify the predominant type of aquatic habitat where the project will take place.

- ☐ Estuary (Estuarine)
- ☐ Lake (Lacustrine)
- ☐ On the bank/shore at the interface between land and water (Riparian)
- ☒ River or stream (Riverine)
- ☐ Salt water (Marine)
- ☐ Wetlands (Palustrine)

Provide a detailed description of biological and physical characteristics of the proposed project site. This description should include information on aquatic species at risk\* (<https://www.canada.ca/en/environment-climate-change/services/species-risk-public-registry.html>), their residence\* and critical habitat\* if found in the area. An overview of the distribution of aquatic species at risk and the presence of their critical habitat within Canadian waters can be found here <http://dfo-mpo.gc.ca/species-especes/sara-lep/map-carte/index-eng.html>

The site was visited by a GHD ecologist on May 27, 2020. Site photographs have been included as an attachment. The proposed dock expansion area is within the existing maintenance dredging footprint. A gravel access road, boat launch area and small dock area currently exist. The boat launch area has an approximate 5 m long riprap ramp, followed by a steep drop off. The dock area is lined by sheet pile walls, with a steep drop off. There was no vegetation or woody debris in these areas. Schools of fish identified as emerald shiner were seen congregating along the sheet pile wall near the water's surface. The shoreline to the south of the existing dock was eroding, with rip rap and concrete rubble along its slope. Minimal riparian vegetation, consisting of willow shrubs, a cottonwood tree and mowed grass, surrounded the shoreline.

Correspondence with MNRF has identified a warm water thermal regime; with an in-water work restriction between March 15 and July 15; as well as the following fish community: bluegill, bluntnose minnow, brook silverside, chinook salmon, common carp, common shiner, emerald shiner, freshwater drum, gizzard shad, golden shiner, largemouth bass, logperch, Moxostoma sp., Northern pike, rainbow trout, rock bass, round boby, smallmouth bass, spottail shiner, spotted sucker, tubenose goby, white perch, white sucker, and yellow perch.

Through an initial review of DFO Aquatic Species at Risk online mapping, we have identified records for the following Federal SAR to have the potential to be in the vicinity of the Study Area:

- Silver lamprey (Special Concern)
- Spotted sucker (Special Concern)
- Northern madtom (Endangered)
- Channel darter (Endangered)

No critical habitat was identified by DFO mapping.



Include representative photos of affected area (including upstream and downstream area) and clearly identify the location of the project.

## E) Potential Effects of the Proposed Project

Have you reviewed the Pathways of Effects (PoE) diagrams (<http://www.dfo-mpo.gc.ca/pnw-ppe/pathways-sequences/index-eng.html>) that describe the type of cause-effect relationships that apply to your project?

☒ Yes ☐ No

If yes, select the PoEs that apply to your project.

- |   |  |
|---|--|
| <input type="checkbox"/> Addition or removal of aquatic vegetation              | <input checked="" type="checkbox"/> Placement of material or structures in water |
| <input type="checkbox"/> Change in timing, duration and frequency of flow       | <input checked="" type="checkbox"/> Riparian Planting                            |
| <input type="checkbox"/> Cleaning or maintenance of bridges or other structures | <input type="checkbox"/> Streamside livestock grazing                            |
| <input type="checkbox"/> Dredging   | <input type="checkbox"/> Structure removal                                       |
| <input checked="" type="checkbox"/> Excavation                                  | <input type="checkbox"/> Use of explosives                                       |
| <input type="checkbox"/> Fish passage issues                                    | <input checked="" type="checkbox"/> Use of industrial equipment                  |
| <input checked="" type="checkbox"/> Grading                                     | <input checked="" type="checkbox"/> Vegetation Clearing                          |
| <input type="checkbox"/> Marine seismic surveys                                 | <input type="checkbox"/> Wastewater management                                   |
| <input type="checkbox"/> Organic debris management                              | <input type="checkbox"/> Water extraction  |
| <input type="checkbox"/> Placement of marine finfish aquaculture site           |  |

Will there be changes (i.e., alteration) in the fish habitat\*? ☒ Yes ☐ No ☐ Unknown

If yes, provide a description.

The dock expansion would result in the filling in of a 1,400m<sup>2</sup> area within the existing footprint of the maintenance dredging area. The footprint of the dock expansion would eliminate the 68m length of currently eroding shoreline south of Mini Dock A. The incorporation into the design of the living shoreline along Face D and southern extent of the site would result in approximately 30m of habitat improvement. As shown in the attached photo appendix, the existing shoreline is eroding, with very minimal riparian vegetation. In-water cover opportunities are currently minimal, and would be improved upon.

Is there likely to be a harmful alteration, disruption or destruction of habitat used by fish? ☒ Yes ☐ No ☐ Unknown

Is there likely to be destruction or loss of habitat used by fish? ☒ Yes ☐ No ☐ Unknown

What is the footprint (area in square meters) of your project that will take place below the high water mark\*?

1,400m<sup>2</sup>

Is your project likely to change water flows or water levels? ☐ Yes ☒ No ☐ Unknown

If your project includes withdrawing water, provide source, volume, rate and duration.

N/A

If your project includes a water control structure, provide the % of flow reduction.

N/A

If your project includes discharge of water, provide source, volume and rate.

N/A

Will your project cause death of fish? ☐ Yes ☒ No ☐ Unknown

If yes, how many fish will be killed (for multi-year project, provide average)? What species and lifestages?

N/A

Dewatering is currently not anticipated and fish should move away from the work area following initiation of sheet pile installation. If necessary, a fish rescue could be conducted prior to any in-water works within the sheet pile area. Captured fish would be relocated outside



of any isolated in-water work areas prior to backfill.

What is the time frame of your project?

The construction will start on 07/16/2021 and end by 02/28/2023

If applicable, the operation will start on MM/DD/YYYY and end by MM/DD/YYYY

If applicable, provide schedule for the maintenance

Maintenance dredging occurs every five years. This will continue, with no increase in footprint.

If applicable, provide schedule for decommissioning

N/A

Are there additional effects to fish and fish habitat that will occur outside of the time periods identified above? ☐ Yes ☒ No

(If yes, provide details)

There will be a permanent loss of access to this in-water area; however stabilization of an existing eroding shoreline and incorporation of living shoreline creation south of the dock will provide compensating habitat benefits, improving the quality and diversity of the existing shoreline conditions.

Can you follow appropriate Timing Windows (<http://www.dfo-mpo.gc.ca/pnw-ppe/timing-periodes/index-eng.html>) for ☒ Yes ☐ No all your project activities below the High Water Mark\*?

(If no, provide explanations.)

N/A

Have you considered and incorporated all options for redesigning and relocating your project to avoid negative effects to fish and fish habitat?

☐ Yes ☐ No

If yes, describe.

During initial stages of the project planning, various site locations were considered. There are no other locations available without requiring entirely new construction and the destruction of a greater area of fish habitat. The proposed project location minimizes impacts by taking advantage of the existing dock area, minimal riparian vegetation and terrestrial habitat, and staying within the existing dredging footprint of the dock facility.

Have you consulted DFO's Fish and Fish Habitat Protection Measures Habitat (<https://www.dfo-mpo.gc.ca/pnw-ppe/measures-mesures-eng.html>) to determine which measures apply to your project? ☒ Yes ☐ No

Will you be incorporating applicable measures into your project? ☒ Yes ☐ No

If yes, identify which ones. If No, identify which ones and provide reasons.

The following applicable measures to protect fish and fish habitat are anticipated to be incorporated into the detailed design of this project. The death of fish will be prevented by planning in water work to respect timing windows to protect fish. In-water work will be limited to between July 16 and March 14 of any given year. If applicable, a fish rescue would be conducted within the sheet pile isolated work area prior to backfilling with stone, allowing works to occur without impact to fish.

Current riparian vegetation is limited within the proposed work area. Tree removal is anticipated to be limited to a few young trees and a small patch of willow shrubs. Riparian vegetation would be incorporated into the living shoreline component of the project in an effort to improve the quality of riparian vegetation, concentrated at the south end of the project site.

Placing of fill or permanent structures below the high water mark cannot be avoided for this proposed project, however, the project has been located within the footprint of the existing maintenance dredging area where habitat and substrate is already regularly impacted and the adjacent shoreline is eroding. Works will be planned and staged so that in-water work areas are minimized. The eroding shoreline will be



stabilized.

Fish passage will not be impacted at any time within the St. Clair River.

A comprehensive erosion and sediment control (ESC) plan will be developed as part of the detailed design stage of this project. The ESC plan will aim to avoid introducing sediment in the water by:

- installing effective erosion and sediment control measures to stabilize all erodible and exposed areas
- regularly inspecting and maintaining the erosion and sediment control measures during all phases of the project
- keeping the erosion and sediment control measures in place until all disturbed ground has been permanently stabilized
- managing site runoff
- heeding weather advisories and scheduling work to avoid wet, windy and rainy periods that may result in high flow volumes and/ or increase erosion and sedimentation
- regularly monitoring the watercourse for signs of sedimentation during all phases of the work, and taking corrective action if required
- using biodegradable erosion and sediment control materials whenever possible and removing all exposed non-biodegradable erosion and sediment control materials once site is stabilized
- operating machinery on land in stable dry areas
- stopping work and containing sediment-laden water to prevent dispersal
- limiting the impacts to shoreline banks

Additional measures will be prescribed to prevent entry of deleterious substances in water by:

- avoiding depositing any deleterious substances in the watercourse
- developing a response plan to be implemented immediately in the event of a spill of a deleterious substance
- keeping an emergency spill kit on site
- stopping work and containing deleterious substances to prevent dispersal
- reporting any spills of deleterious material whether near or directly into a water body
- ensuring clean-up measures are suitably applied so as not to result in further alteration of the bed and/or banks of the watercourse
- cleaning up and appropriately disposing of the deleterious substances
- planning activities near water such that materials and chemicals don't enter the watercourse
- maintaining all machinery on site in a clean condition and free of fluid leaks to prevent any deleterious substances from entering the water
- washing, refueling and servicing machinery and store fuel and other materials a minimum of 30 m from the watercourse
- disposing all waste materials above the high water mark
- ensuring that building material used in the watercourse is handled and treated in a manner to prevent the release or leaching of substances into the water that may be deleterious to fish

Have you considered whether DFO standards and codes of practice apply to your project?

☐ No ☒ Yes

If Yes, include a list.

Current codes of practice are not applicable to the proposed dock expansion.

Have you considered other avoidance and mitigation measures?

☐ No ☒ Yes

If Yes, include a list.

The proposed project site has been selected to minimize potential impacts on the environment by taking advantage of existing disturbances (existing dock facility; within footprint of existing maintenance dredging; minimal terrestrial habitat; eroding riverbank requiring stabilization).

Are there any relevant measures that you are unable to incorporate?

☐ Yes ☒ No

(If yes, identify which ones.)





What harmful effects to fish and fish habitat do you foresee after taking into account the avoidance and mitigation measures described above?

The dock expansion would result in the loss of a 1,400m<sup>2</sup> aquatic area within the existing maintenance dredging footprint. Habitat quality within this area is not high due to the regular 5 year maintenance dredging, minimal in-water cover opportunities, eroding shoreline and sparse riparian vegetation. Elimination of the eroding shoreline and incorporation of a living shoreline at the south end of the project site would help to offset harmful effects.

Do these include effects on aquatic species at risk\*?

☒ Yes ☐ No

If yes, please describe, including how many individuals will be harmed, harassed, or otherwise affected by the project, and how?

The DFO has confirmed that there is the potential for the following SAR species to be in the vicinity of the project area:

- Silver lamprey (Special Concern)
- Spotted sucker (Special Concern)
- Northern madtom (Endangered)
- Channel darter (Endangered)

The habitat assessed within the footprint of the proposed works does not appear to provide critical or high quality habitat for these species.

Do these include effects on areas identified as their residence or critical habitat?

☐ Yes ☒ No

If yes, please describe

Online DFO aquatic species at risk mapping indicates that there is no critical habitat within or adjacent to the project area.

Are there any aquatic invasive species in the vicinity of your project area?

☒ Yes ☐ No

(If yes, identify which ones.)

The MNRF provided a Fish Species Summary for the project area which included common carp, round goby and tubenose goby.

Does your project aim to, or will it be likely to, effect any of these aquatic invasive species?

☐ Yes ☒ No

If yes, how?





## F) Signature

I,

(print name) certify that the information given on this form is to the best of my knowledge, correct and completed.

Signature

MM/DD/YYYY

Date

Information about the above-noted proposed work or undertaking is collected by DFO under the authority of the *Fisheries Act* for the purpose of administering the Fish and Fish Habitat protection provisions of the *Fisheries Act*. Personal information will be protected under the provisions of the *Privacy Act* and will be stored in the Personal Information Bank DFO-PPU-680. Under the *Privacy Act*, Individuals have a right to, and on request shall be given access to any personal information about them contained in a personal information bank. Instructions for obtaining personal information are contained in the Government of Canada's Info Source publications available at [www.infosource.gc.ca](http://www.infosource.gc.ca) or in Government of Canada offices. Information other than "personal" information may be accessible or protected as required by the provision of the *Access to Information Act*.

*\*All definitions are provided in Section G of the Guidance on Submitting a Request for Review*



## Guidance on Submitting a Request for Review

This document explains the requirements for a Request for Review by DFO under the fish and fish habitat protection provisions of the *Fisheries Act*. To determine whether you should request a review, visit DFO's Projects Near Water webpage (<http://www.dfo-mpo.gc.ca/pnw-ppe/index-eng.html>).

Incomplete Requests for Review will be returned to the applicant without review by DFO. All information requested must be provided. If you attach documents to your application with additional information, you must still provide appropriate summaries in the spaces provided on the application document or your application will be considered incomplete.

### Section A: Contact Information

Provide the full legal name of the proponent and primary mailing address for the proponent. When the proponent is a company, identify the full legal registered name of the company.

If applicable, also provide the contact information of the duly authorized representative of the proponent. Please note that a copy of correspondence to Contractor/Agency/Consultant will also be sent to the Proponent.

### Section B: Description of Project

This information is meant to provide background about the proposed project. All components of the proposed project in or near water, must be described.

Proponents should provide information about all appropriate phases of the project, i.e., the construction, operation, maintenance and closure phases for the proposed project.

All details about the construction methods to be used, associated infrastructure, permanent and temporary structure, structure type (e.g. corrugated steel pipe vs box culvert), structures dimension, building materials to be used, machinery and equipment to be used must also be provided. For example, the construction of **permanent structures** may require the construction of temporary structures such as temporary dikes, in conjunction with other associated activities like the withdrawal of water, land clearing, excavation, grading, infilling, blasting, dredging, installing structures, draining or removing debris from water. Similarly, the equipment and materials to be used may include hand tools, backhoes, gravel, blocks or armor stone (provide the average diameter), concrete (indicate if pre-cast or poured in-water), steel beams or wood.

When physical structures in or near water are proposed, provide the plan and specifications of those works which would require a review.

### Section C: Location of the Project

The purpose for this information is to describe and illustrate the location of the proposed project, and to provide geographical and spatial context. The information should also facilitate an understanding of how the project will be situated in relation to existing structures.

The details to be provided must include:

- Coordinates of the project (e.g., Latitude and Longitude or Universal Transverse Mercator Grid coordinates);
- A map(s), site plan, or diagrams indicating the high water mark and the location, size and nature of proposed and existing structures (e.g., floating or fixed), landmarks and proposed activities. In a marine setting, it may be helpful to depict the approximate location of the proposed development on a nautical chart or showing the relation of the site to sea marks or other navigational aids. These plans, maps or diagrams should be at an appropriate scale to help determine the relative size of the proposed structures and activities, the proximity to the watercourse or waterbody and the distance from existing structures;
- The community nearest to the location of the proposal as means to provide a general reference point. When possible, proponents should use geographical names recognized by the Geographical Names Board of Canada (<http://www.nrcan.gc.ca/earth-sciences/geography-boundary/geographical-name/11680>).
- If available, provide aerial photographs or satellite imagery of the water source(s) and waterbody(ies);
- Names of the watershed(s), water source(s) and/or waterbody(ies) likely to be affected by the proposal; and
- Brief directions to access the proposed project site.



## Section D: Description of the Aquatic Environment

Proponents must describe the environmental context and aquatic resources present at the proposed site. The information must identify the current state of the fish and fish habitat prior to the carrying on of the project.

It is important to include information about the fish species present, the biological, chemical, physical features present (habitat characteristics), and the fish life-cycle functions (fish characteristics).

The spatial scope for assessing fish and fish habitat should encompass the direct physical footprint of the project, and the upstream and downstream areas affected.

As an example, the following is a non-exhaustive and non-prescriptive list of some common attributes which may characterize the aquatic environment:

- Type of water source or watercourse (groundwater, river, lake, marine, estuary, etc.);
- Characteristics of the water source or waterbody could include:
  - Substrate characterization - describe the types of substrate (e.g., bedrock, boulder, cobble, gravel etc.), identify the predominant substrate type (e.g., 80% cobble, 20% gravel etc.) and provide maps of the substrate;
  - Aquatic and riparian vegetation characterization - identify the prevalent types of vegetation (e.g. rooted, submerged, emergent, etc.), identify the relative abundance of the vegetation (e.g., 10% cattails, 80% grass, 10% sedge) , indicate the predominant vegetation (e.g., by species or types) and identify the vegetation densities (e.g., type of vegetation/ area);
  - Flow characterization - specify if the flow is controlled or if it is natural, identify if the flow is permanent or intermittent, identify the current and tide (marine environment) etc.;
  - Physical waterbody characterization - identify the average depth of water for water bodies, identify bathymetry of water bodies, provide bathymetric maps where available, channel width ( determine the width of the channel from the high water mark), slope ;
  - Water quality characterization - (e.g., annual or average pH, salinity, alkalinity, total dissolved solids, turbidity, temperature etc.);
  - Biological water quality characterization - (e.g., benthic macro-invertebrates, zooplankton, phytoplankton, etc.)
- Fish species characterization - identify the fish species (including molluscs, crustaceans, etc.) known or suspected to be in the area, predator prey relationships etc. Identify what source of information was used to determine the presence of fish in that area; and
- Estimate the fish abundance - estimate the number of fish present, estimate the year class for each species etc.

There are many different methods and attributes available to characterize fish and fish habitat. Proponents must describe all sources of information used, all fish and environment sampling techniques used, all modelling techniques used and all other approaches used to define the fish and fish habitat. Proponents are encouraged to use recognized fisheries inventory methods such as those approved by DFO or provinces and territories, and/or scientifically defensible methodologies and techniques whenever possible.

Whenever possible, proponents should support descriptions of the aquatic environment with the use of detailed drawings, such as plans or maps and photographs of the habitat features. In an offshore marine setting, photos may not be useful to depict the proposed development site. Instead describe and/or sketch the specific features of the sea floor which may include the presence of submarine features such as canyons, cliffs, caverns, etc.

## Section E: Potential Effects of the Proposed Project

The objective of this section is to identify all anticipated effects on fish and fish habitat likely to be caused by the project. Proponents should consider all mitigation or avoidance techniques.

The description must include qualitative and/or quantitative information about the predicted/potential effects to fish species and fish habitat. Some examples of likely effects may include mortality to fish, area of habitat loss, change to flow, changes to habitat function, reduction in prey availability etc.



The spatial scope of the aquatic effects assessment would include the direct physical "footprint" of the proposed project, and any areas indirectly affected, such as downstream or upstream areas. The footprint of each component of the project below the higher water mark should be provided individually. This may also include areas in or on the water, on the shoreline, coast or bank(s) (i.e., in the riparian zone).

The assessment must include the following attributes:

- Identification of all fish species affected by the proposed project as well as their life stages (e.g., juvenile, yearling, adult, etc.);
- Identification of the type of fish habitat affected (e.g., spawning habitat - gravel and cobble, feeding and rearing areas - side channel slough, small tributaries, etc.), estimate of the affected area (e.g., square meters or hectares);
- Description of the effect (e.g., mortality to fish from entrapment, delayed migration of spawning adults, reduction in prey availability, etc.);
- Probability of the effect - this is the likelihood of the effect occurring (e.g., probability of fish strike from turbines for specific fish sizes, probability of sediment plume within a distance from source, etc., or qualitative assessment: low, medium, high)
- Magnitude of the effect - this is the intensity or severity of the effect (e.g., total number of fish affected, or qualitatively assessment: low, medium, high).
- Geographic extent of the effect - this is the spatial range of the effect (e.g., localized to 100m from the work, channel reach or lake region, entire watershed etc.); and
- Duration of the effect - this is the temporal period for which the effect will persist (e.g., duration of delay to fish migration in hours, days, months or years).

The information to be provided must also describe the methods and techniques used to conduct the assessment. As much as possible, methods and techniques used should be scientifically defensible.

The schedule should, at minimum, identify the proposed start and end dates for carrying out each proposed activity, and where applicable, identify the respective phase of the proposal; i.e., the construction, operation, maintenance and closure phases. In some cases, in order to provide additional context, it may be relevant to identify other information such as the expected life span of permanent and temporary structures.

Proponents must provide comprehensive information about all available measures that are proposed to avoid or mitigate potential harmful alteration, disruption or destruction of fish habitat, or death of fish (e.g., in standards or codes of practice).

Residual harmful impacts that remain after the application of such measures.

It is important to clearly describe and quantify harmful impacts because DFO will use this information as part of its decision making on whether harmful alteration, disruption or destruction of fish habitat or death of fish is likely and an authorization is required under subsection 35(2)(b) or 34.4(2)(b) of the *Fisheries Act*.

## Section F: Submission and Signature

The proponent must sign their application. A signed original of the Request for Review must be provided to the regional DFO office (<http://www.dfo-mpo.gc.ca/pnw-ppe/contact-eng.html>), even if an electronic copy was sent by email. Should the review of your project indicate that harmful alteration, disruption or destruction of fish habitat or death of fish is likely, the information provided in the Request for Review document can be referred to in the subsequent application for an authorization under Paragraphs 35(2)(b) or 34.4 of the *Fisheries Act*.

## Section G: Definitions

**Aquatic Species at Risk:** an extirpated, endangered, threatened species, or a species of special concern. A non-exhaustive list of aquatic species at risk found in Canadian waters can be found here (<http://www.dfo-mpo.gc.ca/species-especes/sara-lep/identify-eng.html>).

### Aquatic Species at Risk Critical Habitat

the habitat that is necessary for the survival or recovery of a listed wildlife species and that is identified as the species critical habitat in the recovery strategy or in an action plan for the species.



**Aquatic Species at Risk Residence:** the specific dwelling place, such as a den, nest or other similar area or a place that is occupied or habitually occupied by one or more individuals during all or part of their life cycles, including breeding, rearing, staging, wintering, feeding, or hibernating.

**Aquatic invasive species:** are fish, invertebrate or plant species that have been introduced into a new aquatic environment, outside of their natural range. Once introduced, aquatic invasive species populations can grow quickly because they don't have natural predators in their new environment. As a result, they can outcompete and harm native species. They can even alter habitats to make them inhospitable for the native species. A non-exhaustive list of aquatic invasive species can be found here (<http://www.dfo-mpo.gc.ca/species-especes/ais-eae/identify-eng.html>).

**Emergency circumstance:** If your project must be conducted in response to an emergency, you may apply for an Emergency Authorization. The emergency situations are:

- The project is required as a matter of national security
- The project is being conducted in response to a national emergency where special temporary measures are being taken under the federal *Emergencies Act*
- The project is required to address an emergency that poses a risk to public health or safety or to the environment or property.

**Fish habitat:** means habitat that can directly or indirectly support life processes. This includes but is not limited to: spawning grounds, nursery, rearing, food supply and migration areas.

**Harmful alteration, disruption or destruction** means any temporary or permanent change to fish habitat that directly or indirectly impairs the habitat's capacity to support one or more life processes of fish.

**High Water Mark:** The usual or average level to which a body of water rises at its highest point and remains for sufficient time so as to leave a mark on the land.

# **Attachment B**

## **Project Location Figures**





Paper Size: ANSI B  
 Scale: 1:1,200  
 Map Projection: UTM 217 North  
 Horizontal Datum: NAD83  
 GNS: NAD83 Web Mercator Auxiliary Sphere

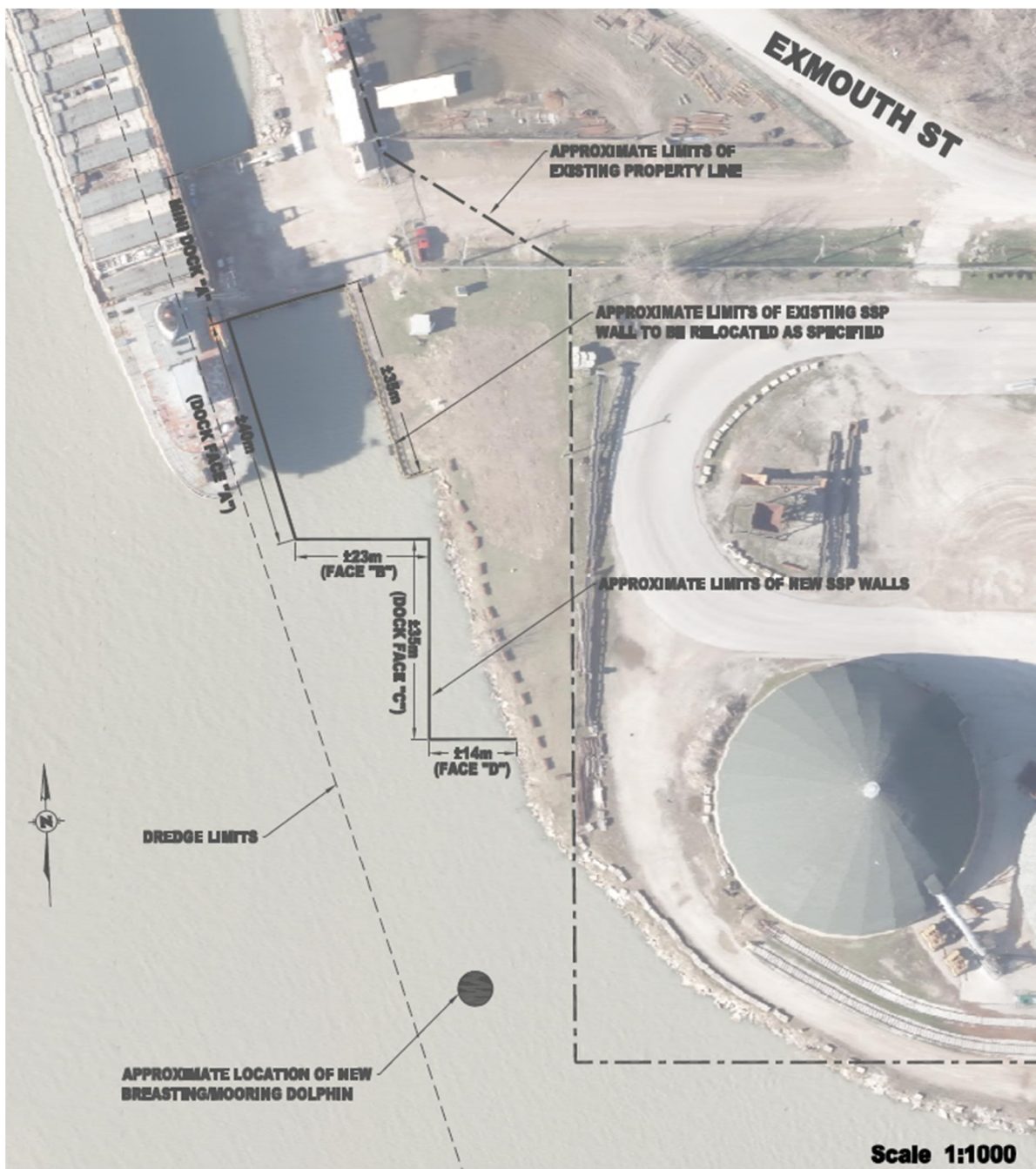


City of Sarnia  
 Sarnia Lambton Oversized Load Corridor  
 Dock Facility Engineering Services

**LOCATION OF MINI  
DOCK A IN THE PORT  
OF SARNIA**

Project No. **11209875-01**  
 Revision No. **001**  
 Date **May 4, 2020**

**FIGURE 1**



CITY OF SARNIA  
UNDERWATER ASSESSMENT OF  
EXISTING MINI DOCK A

PROPOSED GENERAL LAYOUT  
OF DOCK EXPANSION

Project No. 11209875  
Revision No. -

FIGURE 2





# **Attachment C**

## **Site Photographs**





Photo 1 - View of existing gravel access road, boat launch area and dock, facing south.



Photo 2 - View of proposed dock expansion area, facing south from existing dock.



## Site Photographs





Photo 3 - View of existing eroding shoreline within proposed dock expansion footprint, facing south.



Photo 4 - View of existing eroding shoreline within proposed dock expansion footprint, facing north.



## Site Photographs

## Bhavika Laxman

---

**From:** Slattery, Barbara (MECP) <barbara.slattery@ontario.ca>  
**Sent:** Monday, 24 August 2020 2:12 PM  
**To:** Bhavika Laxman  
**Subject:** RE: Sarina Expanded Dock Facility Class EA

Apologies for the delay, volume of work is a bit overwhelming for our Sr. Advisors. Here is the list

- Kettle and Stony Point First Nation
- Aamjiwnaang First Nation
- Bkejwanong (Walpole Island First Nation)
- Chippewas of the Thames First Nation
- Caldwell First Nation
- Oneida Nation of the Thames

Barb Slattery, EA/Planning Coordinator  
**Ministry of the Environment, Conservation and Parks**  
Project Review Unit, Environmental Assessment Branch  
(905) 521-7864

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---

**From:** Bhavika Laxman <Bhavika.Laxman@ghd.com>  
**Sent:** August 18, 2020 1:38 PM  
**To:** Slattery, Barbara (MECP) <barbara.slattery@ontario.ca>  
**Cc:** EA Notices to SWRegion (MECP) <eanotification.swregion@ontario.ca>  
**Subject:** Sarina Expanded Dock Facility Class EA

**CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.**

Dear Ms. Slattery

I am following up on an email previously sent to MECP regarding the proposed project at the Sarina Dock Facility. The Project team is yet to contact Indigenous communities regarding the proposed Project. It is my understanding that MECP provides the list of communities which need to be contacted, however we have not received any correspondence yet.

I have attached the information package that would have previously been sent as part of our initial reach out to MECP.

If there is anything I can do to assist the process please let me know.

Kind regards,

**Bhavika Laxman**

**BEnvMan Honours (Sustainable Development)**  
**Environmental Planner**  
**GHD Proudly employee owned** | [ghd.com](http://ghd.com)

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## Bhavika Laxman

---

**From:** Ian Dobrindt  
**Sent:** Thursday, 3 September 2020 10:35 AM  
**To:** Slattery, Barbara (MECP); Bhavika Laxman  
**Subject:** RE: Sarnia Expanded Dock Facility

**CompleteRepository:** 11209875  
**Description:** Sarnia Dock Facility Services  
**JobNo:** 11209875  
**OperatingCentre:** 662  
**RepoEmail:** 11209875@ghd.com  
**RepoType:** Project

Thx Barb for the list of communities.

**Ian Dobrindt, MCIP, RPP, EP**  
**Senior EA & Approvals Practice Lead**

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### Connect



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---

**From:** Slattery, Barbara (MECP) <barbara.slattery@ontario.ca>  
**Sent:** Thursday, September 3, 2020 10:31 AM  
**To:** Ian Dobrindt <Ian.Dobrindt@ghd.com>; Bhavika Laxman <Bhavika.Laxman@ghd.com>  
**Subject:** RE: Sarnia Expanded Dock Facility

Based on the information available for the Sarnia Expanded Dock Facility Class EA, we have identified that the following communities be included in the Class EA notification and consultative process.

- Kettle and Stony Point First Nation
- Aamjiwnaang First Nation
- Bkejwanong (Walpole Island First Nation)
- Chippewas of the Thames First Nation
- Caldwell First Nation
- Oneida Nation of the Thames

Barb Slattery, EA/Planning Coordinator  
**Ministry of the Environment, Conservation and Parks**  
Project Review Unit, Environmental Assessment Branch  
(905) 521-7864

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---

**From:** Ian Dobrindt <[lan.Dobrindt@ghd.com](mailto:lan.Dobrindt@ghd.com)>  
**Sent:** September 03, 2020 10:03 AM  
**To:** Slattery, Barbara (MECP) <[barbara.slattery@ontario.ca](mailto:barbara.slattery@ontario.ca)>  
**Cc:** Bhavika Laxman <[Bhavika.Laxman@ghd.com](mailto:Bhavika.Laxman@ghd.com)>  
**Subject:** RE: Sarnia Expanded Dock Facility

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Good morning Barb

As confirmed between us, the Sarnia Expanded Dock Facility Class EA (Project) is being carried out in accordance with MEA's MCEA as a Schedule 'B' Class EA activity. As a result, there are two mandatory points of contact for the Project:

- **First mandatory point of contact** with public to review and obtain input about the problem or opportunity, environmental issues, alternative solutions and preliminary determination of a preferred solution (Page A-29 of the *MEA MCEA*, October 2000, as amended in 2007, 2011, & 2015). This first mandatory point of contact is during Class EA Phase 2 - Step 5. Although the MEA MCEA process allows for a discretionary point of contact during Class EA Phase 1 – Step 2 (e.g., Notice of Study Commencement), it is up to the proponent to decide whether this discretionary point of contact is acted upon. This proponent related decision is reflected in the Sample Notice given for a Schedule B project where the title includes "Public Comment Invited" with brackets provided underneath as "(OR Notice of Study Commencement)" (Appendix 6, Page 6-5 of the *MEA MCEA*, October 2000, as amended in 2007, 2011, & 2015). This flexibility allows a proponent to tailor the first sample notice to be issued either at Class EA Phase 1 (Notice of Study Commencement) or Class EA Phase 2 – Step 5 (Public Comment Invited).

In light of this direction, we prepared a Preliminary Findings Information Package addressing each of these 4 specified areas and issued it to review agencies and the public. In terms of what constitutes the 'public', the MEA MCEA specifies that in all cases property owners adjacent to the project site and potentially affected members of the public should be contacted (Appendix 3, Page 3-3 of the *MEA MCEA*, October 2000, as amended in 2007, 2011, & 2015). With this in mind, the public was defined as adjacent/area property owners (composed of government or industry ownership) based on the following for this Project:

- Expansion of an existing dock facility in the Port of Sarnia (surrounded by industrial/open space uses)
- Types of and range of potential adverse environmental effects (limited to short-term construction related effects in the immediate vicinity of the existing dock facility)
- Nearest residences are situated approximately 1 km to the northeast, which is on the other side of Highway 402 (well outside of the area of potential adverse environmental effects)

The Preliminary Findings Information Package was issued directly to all review agencies and the 'public' (adjacent/area property owners) and placed on the City of Sarnia's municipal website vs publishing a notice in the local papers based on what constituted the 'public' for this Project and in accordance with the guidance provided to proponents in the *MEA Companion Guide for the MCEA Manual* (2018). The guidance states that a proponent can choose to use a municipal website and mail to directly impacted (adjacent) owners instead of the traditional "two notices in a local newspaper" (page 46).

With MECP providing the list of Indigenous communities, we'll now issue the Preliminary Findings Information Package to them for review and comment offering them each the opportunity to meet with us in accordance with the guidance provided to proponents in the *MEA Companion Guide for the MCEA Manual* (2018) (Page 46)

- **Second mandatory point of contact** with public is to allow comment and input on the Project File for a period of 30 calendar days as communicated through a Notice of Completion issued (Page A-30 of the *MEA MCEA*, October 2000, as amended in 2007, 2011, & 2015).

Please contact me if you would like to discuss the preceding information further.

Thx.

**Ian Dobrindt, MCIP, RPP, EP**  
**Senior EA & Approvals Practice Lead**

**GHD**

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**From:** Bhavika Laxman <[Bhavika.Laxman@ghd.com](mailto:Bhavika.Laxman@ghd.com)>  
**Sent:** Thursday, August 27, 2020 8:57 AM  
**To:** Ian Dobrindt <[ian.Dobrindt@ghd.com](mailto:ian.Dobrindt@ghd.com)>  
**Subject:** FW: Sarnia Expanded Dock Facility

Good Morning Ian,

Please see email from Barb for follow up.

Cheers,  
Bhavika

---

**From:** Slattery, Barbara (MECP) <[barbara.slattery@ontario.ca](mailto:barbara.slattery@ontario.ca)>  
**Sent:** Tuesday, 25 August 2020 4:28 PM  
**To:** Bhavika Laxman <[Bhavika.Laxman@ghd.com](mailto:Bhavika.Laxman@ghd.com)>  
**Subject:** RE: Sarnia Expanded Dock Facility

This we have and it is being reviewed. However it is not a Notice of Commencement of an EA. Was that issued and was it forwarded to the ministry and posted in local papers, on the municipal website?

Barb Slattery, EA/Planning Coordinator  
**Ministry of the Environment, Conservation and Parks**  
Project Review Unit, Environmental Assessment Branch  
(905) 521-7864

*We want to hear from you. How was my service? You can provide feedback at 1-888-745-8888.*

---

**From:** Bhavika Laxman <[Bhavika.Laxman@ghd.com](mailto:Bhavika.Laxman@ghd.com)>  
**Sent:** August 25, 2020 3:50 PM  
**To:** Slattery, Barbara (MECP) <[barbara.slattery@ontario.ca](mailto:barbara.slattery@ontario.ca)>  
**Cc:** Ian Dobrindt <[ian.Dobrindt@ghd.com](mailto:ian.Dobrindt@ghd.com)>  
**Subject:** RE: Sarnia Expanded Dock Facility

**CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.**

Hi Barb,

I have attached the original email that was sent for the notification of the EA process. Please let me know if you need anything else.

Kind regards,

**Bhavika Laxman**

**BEnvMan Honours (Sustainable Development)**

**Environmental Planner**

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184 Front Street East Suite 302 Toronto Ontario M5A 4N3 Canada | [www.ghd.com](http://www.ghd.com)

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**From:** Slattery, Barbara (MECP) <[barbara.slattery@ontario.ca](mailto:barbara.slattery@ontario.ca)>

**Sent:** Tuesday, 25 August 2020 1:22 PM

**To:** Bhavika Laxman <[Bhavika.Laxman@ghd.com](mailto:Bhavika.Laxman@ghd.com)>

**Subject:** Sarnia Expanded Dock Facility

Hello Bhavika,

I am having some difficulty in finding the email that provided notification to the ministry of the commencement of this EA. Would you please resend to me? Thank you very much.

Barb Slattery, EA/Planning Coordinator

**Ministry of the Environment, Conservation and Parks**

Project Review Unit, Environmental Assessment Branch

(905) 521-7864

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## Bhavika Laxman

---

**From:** Harvey, Joseph (MHSTCI) <Joseph.Harvey@ontario.ca>  
**Sent:** Monday, 14 September 2020 12:47 PM  
**To:** Bhavika Laxman  
**Cc:** Barboza, Karla (MHSTCI); Kirzati, Katherine (MHSTCI)  
**Subject:** RE: Sarnia Expanded Dock Facility Class Environmental Assessment - Information Package

Bhavika Laxman,

Thank you for your reply. We look forward to reviewing the project file report. Do not hesitate to contact Katherine Kirzati with any further questions or concerns.

Joseph Harvey  
*On behalf of*

Katherine Kirzati  
Heritage Planner  
Heritage Planning Unit  
[Katherine.Kirzati@Ontario.ca](mailto:Katherine.Kirzati@Ontario.ca)

---

**From:** Bhavika Laxman <Bhavika.Laxman@ghd.com>  
**Sent:** September 4, 2020 9:06 AM  
**To:** Kirzati, Katherine (MHSTCI) <Katherine.Kirzati@ontario.ca>  
**Cc:** Ian Dobrindt <Ian.Dobrindt@ghd.com>; Barboza, Karla (MHSTCI) <Karla.Barboza@ontario.ca>; Harvey, Joseph (MHSTCI) <Joseph.Harvey@ontario.ca>; Lyle Johnson <lyle.johnson@sarnia.ca>; Jennifer Penton <Jennifer.Penton@ghd.com>  
**Subject:** RE: Sarnia Expanded Dock Facility Class Environmental Assessment - Information Package

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Good morning Katherine,

Thank you for the Ministry of Heritage, Sport, Tourism and Culture Industries' (MHSTCI's) comments provided (attached to this email). On behalf of Ian Dobrindt, please also find attached a response to the comments provided by MHSTCI.

If you have any further comments or concerns please contact me.

Kind regards,

**Bhavika Laxman**

**BEnvMan Honours (Sustainable Development)  
Environmental Planner**  
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184 Front Street East Suite 302 Toronto Ontario M5A 4N3 Canada | [www.ghd.com](http://www.ghd.com)

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**From:** Harvey, Joseph (MHSTCI) <[Joseph.Harvey@ontario.ca](mailto:Joseph.Harvey@ontario.ca)>  
**Sent:** Wednesday, August 5, 2020 12:33 PM  
**To:** Ian Dobrindt <[Ian.Dobrindt@ghd.com](mailto:Ian.Dobrindt@ghd.com)>

**Cc:** Barboza, Karla (MHSTCI) <[Karla.Barboza@ontario.ca](mailto:Karla.Barboza@ontario.ca)>; Kirzati, Katherine (MHSTCI) <[Katherine.Kirzati@ontario.ca](mailto:Katherine.Kirzati@ontario.ca)>

**Subject:** Sarnia Expanded Dock Facility Class Environmental Assessment - Information Package

Dear Ian Dobrindt,

Please find attached MHSTCI's comments for the above referenced project. Contact Katherine Kirzati with any further questions or concerns.

Joseph Harvey

*On behalf of*

Katherine Kirzati  
Heritage Planner  
Heritage Planning Unit  
[Katherine.Kirzati@Ontario.ca](mailto:Katherine.Kirzati@Ontario.ca)

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**Ministry of Heritage, Sport,  
Tourism and Culture Industries**

Programs and Services Branch  
401 Bay Street, Suite 1700  
Toronto, ON M7A 0A7  
Tel: 416.314.7643

**Ministère des Industries du Patrimoine,  
du Sport, du Tourisme et de la Culture**

Direction des programmes et des services  
401, rue Bay, Bureau 1700  
Toronto, ON M7A 0A7  
Tél: 416.314.7643



August 5<sup>th</sup>, 2020

EMAIL ONLY

Ian Dobrindt, MCIP, RPP, EP  
Senior Environmental Planner  
GHD Ltd.  
140 Allstate Parkway, Unit 210  
Markham, ON L3R 5Y8  
[Ian.Dobrindt@ghd.com](mailto:Ian.Dobrindt@ghd.com)

**MHSTCI File : 0011786**  
**Proponent : The City of Sarnia**  
**Subject : Preliminary Findings Information Package**  
**Project : Sarnia Expanded Dock Facility**  
**Location : The City of Sarnia**

---

Dear Ian Dobrindt:

Thank you for providing the Ministry of Heritage, Sport, Tourism and Culture Industries (MHSTCI) with the preliminary findings information package for the above-referenced project. MHSTCI's interest in this Environmental Assessment (EA) project relates to its mandate of conserving Ontario's cultural heritage, which includes:

- Archaeological resources, including land and marine;
- Built heritage resources, including bridges and monuments; and,
- Cultural heritage landscapes.

Under the EA process, the proponent is required to determine a project's potential impact on cultural heritage resources.

### **Project Summary**

The Corporation of the City of Sarnia (City) is proposing to expand their existing dock facility (Mini Dock A) located at the western limit of Exmouth Street to support the Oversized Load Corridor (OLC) and provide access to the St. Clair River via the Port of Sarnia. The Project is classified as a Schedule 'B' activity in accordance with the requirements of MCEA.

### **Identifying Cultural Heritage Resources**

While some cultural heritage resources may have already been formally identified, others may be identified through screening and evaluation. Indigenous communities may have knowledge that can contribute to the identification of cultural heritage resources, and we suggest that any engagement with Indigenous communities includes a discussion about known or potential cultural heritage resources that are of value to these communities. Municipal Heritage Committees, historical societies and other local heritage organizations may also have knowledge that contributes to the identification of cultural heritage resources.

**Archaeological Resources**

This EA project may impact archaeological resources and should be screened using the MHSTCI [Criteria for Evaluating Archaeological Potential](#) to determine if an archaeological assessment is needed. MHSTCI archaeological sites data are available at [archaeology@ontario.ca](mailto:archaeology@ontario.ca). If the EA project area exhibits archaeological potential, then an archaeological assessment (AA) should be undertaken by an archaeologist licenced under the *OHA*, who is responsible for submitting the report directly to MHSTCI for review.

**Built Heritage and Cultural Heritage Landscapes**

The MHSTCI [Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscapes](#) should be completed to help determine whether this EA project may impact cultural heritage resources. If potential or known heritage resources exist, MHSTCI recommends that a Heritage Impact Assessment (HIA), prepared by a qualified consultant, should be completed to assess potential project impacts. Our Ministry's [Info Sheet #5: Heritage Impact Assessments and Conservation Plans](#) outlines the scope of HIAs. Please send the HIA to MHSTCI for review and make it available to local organizations or individuals who have expressed interest in review.

**Environmental Assessment Reporting**

All technical cultural heritage studies and their recommendations are to be addressed and incorporated into EA projects. Please advise MHSTCI whether any technical cultural heritage studies will be completed for this EA project, and provide them to MHSTCI before issuing a Notice of Completion or commencing any work on the site. If screening has identified no known or potential cultural heritage resources, or no impacts to these resources, please include the completed checklists and supporting documentation in the EA report or file.

Thank you for consulting MHSTCI on this project and please continue to do so throughout the EA process. If you have any questions or require clarification, do not hesitate to contact Katherine Kirzati.

Sincerely,

Joseph Harvey  
*On behalf of*

Katherine Kirzati  
Heritage Planner  
Heritage Planning Unit  
[Katherine.Kirzati@Ontario.ca](mailto:Katherine.Kirzati@Ontario.ca)

It is the sole responsibility of proponents to ensure that any information and documentation submitted as part of their EA report or file is accurate. MHSTCI makes no representation or warranty as to the completeness, accuracy or quality of the any checklists, reports or supporting documentation submitted as part of the EA process, and in no way shall MHSTCI be liable for any harm, damages, costs, expenses, losses, claims or actions that may result if any checklists, reports or supporting documents are discovered to be inaccurate, incomplete, misleading or fraudulent.

Please notify MHSTCI if archaeological resources are impacted by EA project work. All activities impacting archaeological resources must cease immediately, and a licensed archaeologist is required to carry out an archaeological assessment in accordance with the *Ontario Heritage Act* and the *Standards and Guidelines for Consultant Archaeologists*.

If human remains are encountered, all activities must cease immediately and the local police as well as the Registrar, Burials of the Ministry of Government and Consumer Services (416-326-8800) must be contacted. In situations where human remains are associated with archaeological resources, MHSTCI should also be notified to ensure that the site is not subject to unlicensed alterations which would be a contravention of the *Ontario Heritage Act*.





4 September 2020

Reference No. 11209875

Katherine Kirzati  
Ministry of Heritage, Sport, Tourism and Culture Industries  
401 Bay Street, Suite 1700  
Toronto ON M7A 0A7  
[Katherine.Kirzati@Ontario.ca](mailto:Katherine.Kirzati@Ontario.ca)

Dear Katherine Kirzati:

**Re: Sarnia Expanded Dock Facility Class EA – Responses to MHSTCI's Comments on the Preliminary Findings Information Package**

Thank you for the Ministry of Heritage, Sport, Tourism and Culture Industries' (MHSTCI's) comments provided in your August 5, 2020 letter on the proposed expansion of the Sarnia Dock Facility (the Project).

Please find attached Table 1 providing our responses to MHSTCI's comments for your information.

Please contact me at 416 721 8206 or [ian.dobrindt@ghd.com](mailto:ian.dobrindt@ghd.com) if you have any questions on the preceding information.

Sincerely,

GHD

A handwritten signature in blue ink, appearing to read 'Ian Dobrindt', with a long horizontal flourish extending to the right.

Ian Dobrindt, MCIP, RPP, EP  
Senior EA & Approvals Practice Lead



**Table 1 Responses to MHSTCI's Comments on the Preliminary Information Package**

Comments	Responses
<p><b>Identifying Cultural Heritage Resources</b></p> <p>While some cultural heritage resources may have already been formally identified, others may be identified through screening and evaluation. Indigenous communities may have knowledge that can contribute to the identification of cultural heritage resources, and we suggest that any engagement with Indigenous communities includes a discussion about known or potential cultural heritage resources that are of value to these communities. Municipal Heritage Committees, historical societies and other local heritage organizations may also have knowledge that contributes to the identification of cultural heritage resources.</p>	<p>Indigenous communities are being notified of the Project for their input including knowledge of known or potential cultural heritage resources.</p>
<p><b>Archaeological Resources</b></p> <p>This EA project may impact archaeological resources and should be screened using the MHSTCI <a href="#">Criteria for Evaluating Archaeological Potential</a> to determine if an archaeological assessment is needed. MHSTCI archaeological sites data are available at <a href="mailto:archaeology@ontario.ca">archaeology@ontario.ca</a>. If the EA project area exhibits archaeological potential, then an archaeological assessment (AA) should be undertaken by an archaeologist licenced under the OHA, who is responsible for submitting the report directly to MHSTCI for review.</p>	<p>As suggested, the Project area has been screened using the MHSTCI Criteria for Evaluating Archaeological Potential has been completed. No archaeological assessment is required based on the completed screening because the Project area has been subject to recent, extensive and intensive disturbance. The completed screening will be appended to the Class EA Project File Report.</p> <p>As part of completing the screening, GHD reached out to <a href="mailto:archaeology@ontario.ca">archaeology@ontario.ca</a> who confirmed that there are no known archaeological sites recorded within the Project area.</p>
<p><b>Built Heritage and Cultural Heritage Landscapes</b></p> <p>The MHSTCI <a href="#">Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscapes</a> should be completed to help determine whether this EA project may impact cultural heritage resources. If potential or known heritage resources exist, MHSTCI recommends that a Heritage Impact Assessment (HIA), prepared by a qualified consultant, should be completed to assess potential project impacts. Our Ministry's <a href="#">Info Sheet #5: Heritage Impact Assessments and Conservation Plans</a> outlines the</p>	<p>As suggested, the Project area has been screened using the MHSTCI Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscapes. No HIA is required based on the completed screening because no potential or known heritage resources exist within the Project area. The completed screening will be appended to the Class EA Project File Report.</p>



Comments	Responses
scope of HIAs. Please send the HIA to MHSTCI for review and make it available to local organizations or individuals who have expressed interest in review.	
<b>Environmental Assessment Reporting</b> All technical cultural heritage studies and their recommendations are to be addressed and incorporated into EA projects. Please advise MHSTCI whether any technical cultural heritage studies will be completed for this EA project, and provide them to MHSTCI before issuing a Notice of Completion or commencing any work on the site. If screening has identified no known or potential cultural heritage resources, or no impacts to these resources, please include the completed checklists and supporting documentation in the EA report or file.	As requested, the completed screenings for both Archaeological Resources and Built Heritage and Cultural Heritage Landscape values will be included in the Project File Report along with supporting information. As concluded in the completed screenings, no technical cultural heritage studies will be completed as part of this Project.

## Bhavika Laxman

---

**From:** von Bitter, Robert (MHSTCI) <Robert.vonBitter@ontario.ca>  
**Sent:** Monday, 17 August 2020 8:37 AM  
**To:** Bhavika Laxman  
**Subject:** RE: Request for Information

Bhavika,

I checked our GIS and currently no archaeological sites reported by licensed archaeologists are mapping within your area of interest.

The fact there are no sites reported by licensed archaeologists on these lands at this time in no way precludes the presence of archaeological resources there. Archaeological sites are only reported to this office as they are discovered by licensed archaeologists in the course of their activities in the field. The paucity of archaeological sites at these locations could reflect the fact that a licensed archaeologist has never surveyed any of the lands in question.

I hope this helps.

Robert von Bitter

Robert von Bitter  
Archaeological Data Co-Ordinator  
Archaeology Program Unit  
Heritage, Tourism and Culture Division  
Ministry of Heritage, Sport, Tourism and Culture Industries  
401 Bay Street Suite 1700  
Toronto, Ontario M7A 0A7  
416-314-7161  
Robert.vonBitter@ontario.ca

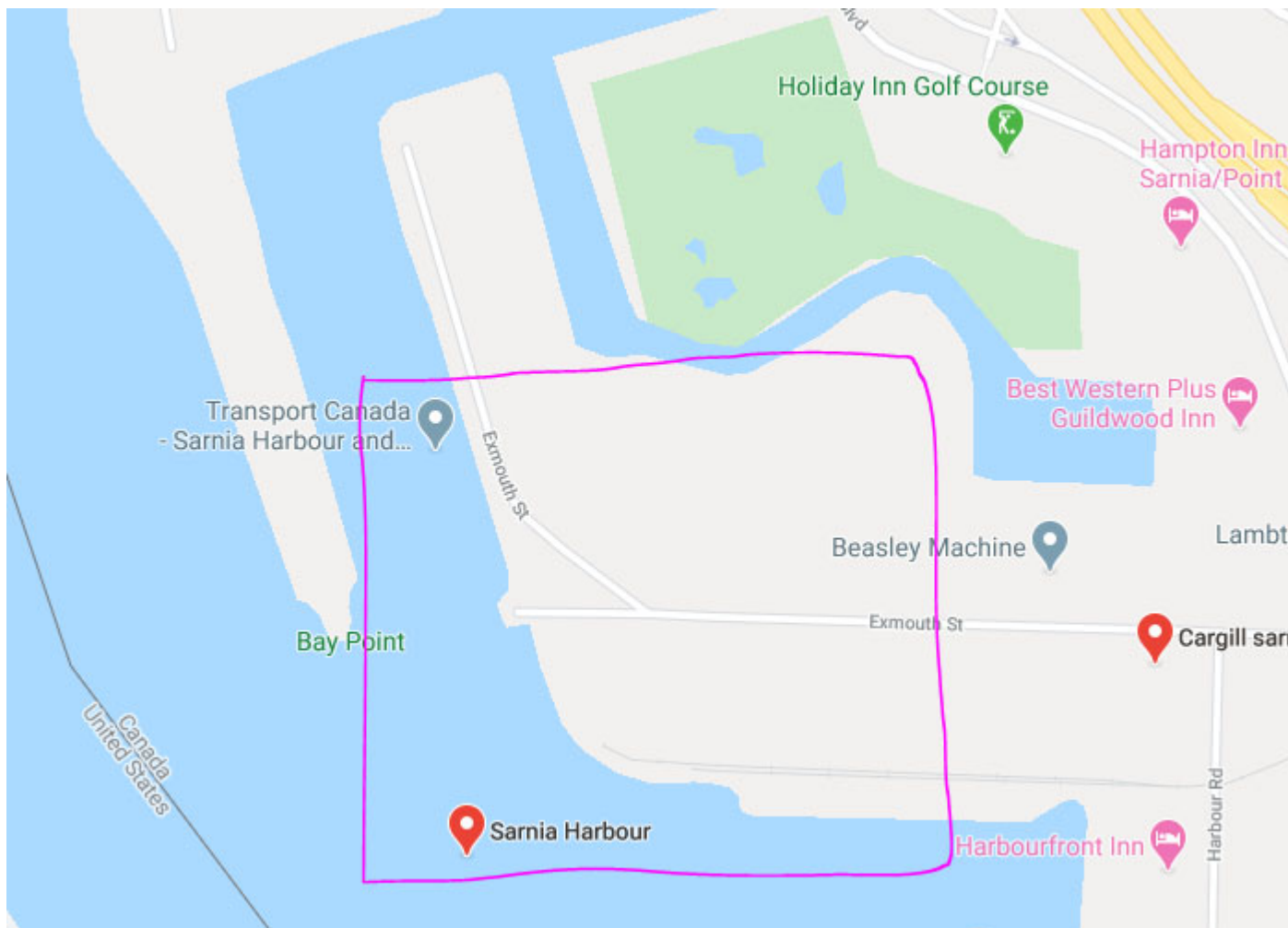
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**From:** Bhavika Laxman <[Bhavika.Laxman@ghd.com](mailto:Bhavika.Laxman@ghd.com)>  
**Sent:** August 14, 2020 11:32 AM  
**To:** Archaeology (MHSTCI) <[archaeology@ontario.ca](mailto:archaeology@ontario.ca)>  
**Subject:** Request for Information

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Hi,

I would like to know if there are any known Archaeological Sites identified around the Sarnia Dock Facility, Sarnia City. I have attached a copy of the site I am interested in below (outlined in pink)



Kind regards,

**Bhavika Laxman**

**BEnvMan Honours (Sustainable Development)  
Environmental Planner**

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T: 416 866 2357 | V: 886357 | E: [bhavika.laxman@ghd.com](mailto:bhavika.laxman@ghd.com)  
184 Front Street East Suite 302 Toronto Ontario M5A 4N3 Canada | [www.ghd.com](http://www.ghd.com)

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**From:** Buck, Kathleen (MNRF) <Kathleen.Buck@ontario.ca>  
**Sent:** Monday, 11 May 2020 2:11 PM  
**To:** Christine Pritchard  
**Cc:** Jordan Widmaier  
**Subject:** RE: Information Request - Port of Sarnia  
**Attachments:** NHGuide\_MNRF\_2019-04-01.pdf

**Follow Up Flag:** FollowUp  
**Flag Status:** Flagged

Good afternoon Christine,

I've reviewed the request for available background data for the Port of Sarnia dock expansion project located at UTM Coordinates 17T 384530.49m E 4760219.99m N in Sarnia, Ontario.

Designated Natural Areas

- There are currently no Provincially Significant Wetlands (PSWs) or Areas of Natural and Scientific Interest (ANSIs) identified within 120m of the project area.

Species of Conservation Concern & Significant Wildlife Habitat

The habitat of provincially rare (S1-S3, SH) and Special Concern species is considered Significant Wildlife Habitat under the category of 'Special Concern and Rare Wildlife Species' in the Significant Wildlife Habitat Technical Guide Ecoregion Criteria Schedules. Therefore, consideration should be given to these species and whether their habitat occurs on or within 120 m of the proposed development area.

The following species are known to occur within the general project area. **Please note, this list does not include species that are protected under the *Endangered Species Act (ESA)*.** The Ministry of Environment, Conservation and Parks (MECP) has now assumed responsibility for the ESA, including species at risk (SAR) in Ontario. To ensure access to reliable and up to date information, please contact [SAROntario@ontario.ca](mailto:SAROntario@ontario.ca).

- Spotted Sucker (S2 & Special Concern)
- Greater Redhorse (S3)
- American Brook Lamprey (S3)
- Silver Lamprey (Great Lakes - Upper St. Lawrence populations) (S3 & Special Concern)
- Eastern Wood-pewee (S4B & Special Concern)
- Wood Thrush (S4B & Special Concern)
- Canada Warbler (S4B & Special Concern)
- Red-headed Woodpecker (S4B & Special Concern)
- Peregrine Falcon (S3B & Special Concern)
- Short-eared Owl (S2N,S4B & Special Concern)
- Great Black-backed Gull (S2B)
- Horned Grebe (S1B,S4N & Special Concern)
- Monarch (S2N,S4B & Special Concern)
- Snapping Turtle (S4 & Special Concern)

Fish and Fish Habitat

There are no known spawning/rearing/refuge/feeding habitats within the project area according to MNRF data. However, MNRF highly recommends contacting MECP and Fisheries and Oceans Canada (DFO) for possible aquatic SAR spawning areas.

The following fish information is available for the Sarnia harbour within the St. Clair River (please note, this list does **not** include species listed on the ESA. The MECP has now assumed responsibility for the ESA, including SAR in Ontario. To ensure access to reliable and up to date information, please contact [SAROntario@ontario.ca](mailto:SAROntario@ontario.ca)):

- Fish Species Summary: Bluegill, Bluntnose Minnow, Brook Silverside, Chinook Salmon, Common Carp, Common Shiner, Emerald Shiner, Freshwater Drum, Gizzard Shad, Golden Shiner, Largemouth Bass, Logperch, Moxostoma sp., Northern Pike, Rainbow Trout, Rock Bass, Round Goby, Smallmouth Bass, Spottail Shiner, Spotted Sucker, Tubenose Goby, White Perch, White Sucker, Yellow Perch
- Thermal Regime: Warm
- Restricted In-Water Work Timing Window: March 15-July 15

The attached *Natural Heritage Information Request Guide* has been developed to assist you with accessing additional natural heritage data and values from convenient online sources.

It remains the proponent's responsibility to complete a preliminary screening for each project, to obtain available information from multiple sources, to conduct any necessary field studies, and to consider any potential environmental impacts that may result from an activity. We wish to emphasize the need for the proponents of development activities to complete screenings prior to contacting the Ministry or other agencies for more detailed technical information and advice.

The Ministry continues to work on updating data housed by Lands Information Ontario and the Natural Heritage Information Centre, and ensuring this information is accessible through online resources. Species at risk data is regularly being updated. To ensure access to reliable and up to date information, please contact [SAROntario@ontario.ca](mailto:SAROntario@ontario.ca).

This information will assist in scoping the necessary field assessments for an area if development or site alteration is proposed. This information is not meant to circumvent the responsibility of the proponent to undertake species and / or habitat surveys. Surveys or additional site level assessment are often required to confirm presence or absence of natural heritage features and values. Environmental consulting firms have the professional and technical expertise to assess sites for natural heritage features and can gauge the potential for such features to exist.

Absence or lack of information for a given geographic area does not necessarily mean the absence of natural heritage features. Many areas in Ontario have never been surveyed and new plant and animal species records are still being discovered for many localities. In addition, new species may be listed and new natural heritage features may be defined over time. For these reasons, the Ministry cannot provide a definitive statement on the presence, absence or condition of natural heritage features in all parts of Ontario.

Thank you for your inquiry.

**Kathleen Buck, Management Biologist**

Ministry of Natural Resources and Forestry, Aylmer District  
615 John St. N. Aylmer, ON N5H 2S8  
519-773-4785  
[kathleen.buck@ontario.ca](mailto:kathleen.buck@ontario.ca)



---

**From:** Christine Pritchard <Christine.Pritchard@ghd.com>

**Sent:** April-16-20 11:40 AM

**To:** Buck, Kathleen (MNRF) <Kathleen.Buck@ontario.ca>; Webb, Jason (MNRF) <Jason.Webb@ontario.ca>

**Cc:** Jordan Widmaier <Jordan.Widmaier@ghd.com>

**Subject:** Information Request - Port of Sarnia

**CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.**

Good afternoon,



GHD has been retained by the City of Sarnia (City) to provide engineering services for the proposed expansion of their existing dock facility at the Port of Sarnia (Project). At present, we are confirming the environmental assessment and permitting requirements and Study Area conditions. As part of this confirmation exercise, GHD is requesting current background information for Species-at-Risk and natural heritage information within and surrounding the Study Area. Please find attached a .KMZ file and mapping of the Study Area location.

UTM Coordinates: 17T 384530.49 m E 4760219.99 m N

Through an initial review of NHIC and LIO databases, we have identified records for the following SAR and Natural Heritage features in the vicinity of the Study Area:

- Monarch
- Bank swallow
- Barn swallow
- Chimney swift
- Common nighthawk
- Eastern wood-pewee
- Peregrine falcon
- Channel darter (Lake Erie population)
- Northern madtom
- Silver lamprey (Great Lakes - Upper St. Lawrence River population)
- Spotted sucker
- Wavy-rayed lampmussel
- Blanding's turtle - Great Lakes/St. Lawrence population
- Butler's gartersnake
- Five-lined skink - (Carolinian Population)
- Snapping turtle

We are requesting any additional relevant available information including the following:

#### Aquatic

- Fish communities and species
- Confirmed or potential spawning/rearing/refuge/feeding habitat
- Mapping/thermal regimes of associated watercourses and tributaries (if no information available, the closest creek/feature would be helpful)
- Fish sampling stations for watercourses at or within proximity of the Study Area, if available
- Natural Resource and Values Information System (NRVIS) data

#### Terrestrial

- Site District Reports
- Records of SAR (both terrestrial and aquatic flora and fauna) - if possible, UTM's/accuracy codes, etc.
- Records of other wildlife (including road mortality)
- Designated areas (i.e., Areas of Natural and Scientific Interest (ANSI), Environmentally Significant Areas (ESA), Provincially Significant Wetlands (PSW))
- Sensitive avian nesting/over-wintering/foraging habitat
- NRVIS data (i.e., heronries, deer yards, etc.)

Please provide us with the requested information by no later than May 25, 2020 so it can be appropriately considered in the Project. In the meantime, please contact me if you have any questions on the preceding request or require any further information.

Thank you in advance,

**Christine Pritchard, B.Sc., CAN-CISEC**  
**Ecologist/Habitat Technician**

**GHD**

T: +1 905 814 4393 | F: +1 905 890 8499 | V: 881393 | C: +1 416 859 2033 | E: [christine.pritchard@ghd.com](mailto:christine.pritchard@ghd.com)  
6705 Millcreek Drive Unit 1 Mississauga ON L5N 5M4 Canada | [www.ghd.com](http://www.ghd.com)

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**From:** MNRF Ayl Planners (MNRF) <MNRF.Ayl.Planners@ontario.ca>

**Sent:** Friday, August 7, 2020 10:33 AM

**To:** Ian Dobrindt <Ian.Dobrindt@ghd.com>

**Cc:** Nigel Joyce <Nigel.Joyce@ghd.com>

**Subject:** RE: Sarnia Expanded Dock Facility Class Environmental Assessment - Information Package

**Ministry of Natural  
Resources and Forestry**

615 John Street North  
Aylmer, ON N5H 2S8  
Tel: 519-773-9241  
Fax: 519-773-9014

**Ministère des Richesses  
naturelles et des Forêts**

615, rue John Nord  
Aylmer ON N5H 2S8  
Tél: 519-773-9241  
Télé: 519-773-9014

August 7, 2020

Ian Dobrindt, MCIP, RPP, EP

Senior EA & Approvals Practice Lead

GHD

140 Allstate Parkway Suite 210 Markham, Ontario L3R 5Y8 Canada

Phone: 416-721-8206

Email: [ian.dobrindt@ghd.com](mailto:ian.dobrindt@ghd.com)

**Subject: Sarnia Expanded Dock Facility Class Environmental Assessment - Information Package**

The Ministry of Natural Resources and Forestry (MNRF) Aylmer District received the attached information package for the proposed Expanded Dock Facility project in the City of Sarnia on July 20<sup>th</sup>, 2020. Thank you for circulating this information to our office, however, please note that we have not completed a screening of natural heritage or other resource values for the project at this time. Please also note that it is your responsibility to be aware of and comply with all relevant federal or provincial legislation, municipal by-laws or other agency approvals.

This response provides information to guide you in identifying and assessing natural features and resources as required by applicable policies and legislation, and engaging with MNRF Aylmer District for advice as needed.

### **Natural Heritage & Endangered Species Act**

In order to provide the most efficient service possible, the attached Natural Heritage Information Request Guide has been developed to assist you with accessing natural heritage data and values from convenient online sources.

It remains the proponent's responsibility to complete a preliminary screening for each project, to obtain available information from multiple sources, to conduct any necessary field studies, and to consider any potential environmental impacts that may result from an activity. We wish to emphasize the need for the proponents of development activities to complete screenings prior to contacting the Ministry or other agencies for more detailed technical information and advice.

The Ministry continues to work on updating data housed by Land Information Ontario and the Natural Heritage Information Centre, and ensuring this information is accessible through online resources. Species at risk data is regularly being updated. To ensure access to reliable and up to date information, please contact the Ministry of the Environment, Conservation and Parks at [SAROntario@ontario.ca](mailto:SAROntario@ontario.ca).

### **Petroleum Wells & Oil, Gas and Salt Resource Act**

There may be petroleum wells within the proposed project area. Please consult the Ontario Oil, Gas and Salt Resources Library website ([www.ogsrlibrary.com](http://www.ogsrlibrary.com)) for the best known data on any wells recorded by MNRF. Please reference the 'Definitions and Terminology Guide' listed in the publications on the Library website in order to better understand the well information available. Any oil and gas wells in your project area are regulated by the *Oil, Gas and Salt Resource Act*, and the supporting regulations and operating standards. If any unanticipated wells are encountered during development of the project, or if the proponent has questions regarding petroleum operations, the proponent should contact the Petroleum Operations Section at [POSRecords@ontario.ca](mailto:POSRecords@ontario.ca) or 519-873-4634.

### **Public Lands Act**

The attached information package did not provide details related to the ownership of the relevant parcels, including the bed of the watercourse. Commercial docking facilities operating on Crown lands, including over the bed of Crown owned lands, require occupational authority under the *Public Lands Act*. **Please confirm ownership, including the bed of the watercourse, for the entire extent of the proposed project for MNRF review.**

In Ontario, the use of Crown land and shore lands is regulated under the *Public Lands Act*. By law, you must obtain a work permit from the Ministry of Natural Resources and Forestry for certain activities on Crown and shore lands before any work can take place.

- This applies to any public land managed by the Ministry of Natural Resources and Forestry, including: the beds of most lakes and rivers, and shore lands covered or seasonally inundated by the water of a lake, river, stream or pond. It does not apply to: federal lands and water bodies (e.g., the Trent-Severn and Rideau Canal waterways) and private land, unless the work potentially affects Crown land, such as shore lands.
- **Please provide details regarding potential impacts to Crown lands, including works on private shore lands, for Ministry review and determination of work permit requirements under the *Public Lands Act*.**

The following websites provide additional information per the above for your reference:

- *Public Lands Act* – Ontario Regulation 161/17: Occupation of Public Lands: <https://www.ontario.ca/laws/regulation/170161?search=public+lands+act>
- *Public Lands Act* – Crown Land Work Permits: <https://www.ontario.ca/page/crown-land-work-permits>

If you have any questions or concerns, please feel free to contact me.

Sincerely,  
Karina

---

Karina Cerniavskaja  
District Planner  
Ministry of Natural Resources and Forestry, Aylmer District  
615 John St. N. Aylmer, ON, N5H 2S8  
E-mail: [MNRF.Ayl.Planners@ontario.ca](mailto:MNRF.Ayl.Planners@ontario.ca)

---

**From:** Nigel Joyce <[Nigel.Joyce@ghd.com](mailto:Nigel.Joyce@ghd.com)>  
**Sent:** July-20-20 4:24 PM  
**Cc:** Ian Dobrindt <[Ian.Dobrindt@ghd.com](mailto:Ian.Dobrindt@ghd.com)>  
**Subject:** Sarnia Expanded Dock Facility Class Environmental Assessment - Information Package

**CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.**

Hello,

On behalf of the City of Sarnia, please find attached an Information Package summarizing Phases 1 and 2 of the Municipal Class Environmental Assessment being carried out for proposed expansion of the existing Sarnia Dock Facility (Project) for your information and review.

We respectfully request that you provide any comments you may have back to us by no later than **August 10, 2020** so that they can be appropriately considered in the Project.

Please contact me at [ian.dobrindt@ghd.com](mailto:ian.dobrindt@ghd.com) or by phone at 416 721 8206 if you have any questions on the attached information.

Thank-you.

**Ian Dobrindt, MCIP, RPP, EP**  
**Senior EA & Approvals Practice Lead**

**GHD**

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M: +1 416 721 8206 | E: [ian.dobrindt@ghd.com](mailto:ian.dobrindt@ghd.com)

140 Allstate Parkway Suite 210 Markham, Ontario L3R 5Y8 Canada | [www.ghd.com](http://www.ghd.com)

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4 September 2020

Reference No. 11209875

Karina Cerniavskaja  
Ministry of Natural Resources and Forestry, Aylmer District  
615 John Street North  
Aylmer, Ontario, N5H 2S8  
[MNRF.Ayl.Planners@ontario.ca](mailto:MNRF.Ayl.Planners@ontario.ca)

Dear Karina Cerniavskaja:

**Re: Sarnia Expanded Dock Facility Class EA - Responses to MNRF's Comments on the Preliminary Findings Information Package**

Thank you for the Ministry of Natural Resources and Forestry's (MNRF's) comments provided in your August 7, 2020 email on the proposed expansion of the Sarnia Dock Facility (the Project).

Please find attached Table 1 providing our responses to MNRF's comments for your information.

Please contact me at 416 721 8206 or [ian.dobrindt@ghd.com](mailto:ian.dobrindt@ghd.com) if you have any questions on the preceding information.

Sincerely,

GHD

A handwritten signature in blue ink, appearing to read 'Ian Dobrindt', with a long, sweeping horizontal line extending to the right.

Ian Dobrindt, MCIP, RPP, EP  
Senior EA & Approvals Practice Lead






**Table 1 Responses to MNRF's Comments on the Preliminary Information Package**

Comments	Responses																
<p><b><u>Natural Heritage &amp; Endangered Species Act</u></b></p> <p>In order to provide the most efficient service possible, the attached Natural Heritage Information Request Guide has been developed to assist you with accessing natural heritage data and values from convenient online sources.</p> <p>It remains the proponent's responsibility to complete a preliminary screening for each project, to obtain available information from multiple sources, to conduct any necessary field studies, and to consider any potential environmental impacts that may result from an activity. We wish to emphasize the need for the proponents of development activities to complete screenings prior to contacting the Ministry or other agencies for more detailed technical information and advice.</p> <p>The Ministry continues to work on updating data housed by Land Information Ontario and the Natural Heritage Information Centre, and ensuring this information is accessible through online resources. Species at risk data is regularly being updated. To ensure access to reliable and up to date information, please contact the Ministry of the Environment, Conservation and Parks at <a href="mailto:SAROntario@ontario.ca">SAROntario@ontario.ca</a>.</p>	<p>As part of our standard background review process for projects, GHD first reviewed various available information sources for the Project area, prior to conducting review agency consultations. Available secondary sources of information were collected and reviewed to determine existing natural environment conditions for the Project area. The sources reviewed are outlined in <b>Table 1.1</b>.</p> <table border="1"> <caption><b>Table 1.2 Secondary Source Information Reviewed</b></caption> <thead> <tr> <th>Source</th><th>Information Reviewed</th></tr> </thead> <tbody> <tr> <td>Ministry of Natural Resources and Forestry (MNRF)</td><td> <ul style="list-style-type: none"> <li>Natural Heritage Features data layers from Land Information Ontario and the NHIC database</li> </ul> </td></tr> <tr> <td>Ministry of Environment, Conservation and Parks (MECP)</td><td> <ul style="list-style-type: none"> <li>Species at Risk (SAR) records from the NHIC database</li> </ul> </td></tr> <tr> <td>Fisheries and Oceans Canada</td><td> <ul style="list-style-type: none"> <li>Aquatic Species at Risk Maps (2019)</li> </ul> </td></tr> <tr> <td>Species at Risk in Ontario List (SARO)</td><td> <ul style="list-style-type: none"> <li>Referenced range maps for SAR species not included in other atlases</li> </ul> </td></tr> <tr> <td>Ontario Reptile and Amphibian Atlas</td><td> <ul style="list-style-type: none"> <li>Species records for the Site</li> </ul> </td></tr> <tr> <td>Ontario Breeding Bird Atlas</td><td> <ul style="list-style-type: none"> <li>Breeding bird data for the Site</li> </ul> </td></tr> <tr> <td>Ontario Butterfly Atlas</td><td> <ul style="list-style-type: none"> <li>Species records for the Site</li> </ul> </td></tr> </tbody> </table>	Source	Information Reviewed	Ministry of Natural Resources and Forestry (MNRF)	<ul style="list-style-type: none"> <li>Natural Heritage Features data layers from Land Information Ontario and the NHIC database</li> </ul>	Ministry of Environment, Conservation and Parks (MECP)	<ul style="list-style-type: none"> <li>Species at Risk (SAR) records from the NHIC database</li> </ul>	Fisheries and Oceans Canada	<ul style="list-style-type: none"> <li>Aquatic Species at Risk Maps (2019)</li> </ul>	Species at Risk in Ontario List (SARO)	<ul style="list-style-type: none"> <li>Referenced range maps for SAR species not included in other atlases</li> </ul>	Ontario Reptile and Amphibian Atlas	<ul style="list-style-type: none"> <li>Species records for the Site</li> </ul>	Ontario Breeding Bird Atlas	<ul style="list-style-type: none"> <li>Breeding bird data for the Site</li> </ul>	Ontario Butterfly Atlas	<ul style="list-style-type: none"> <li>Species records for the Site</li> </ul>
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Comments	Responses
	<div data-bbox="940 277 1810 378"> <div data-bbox="940 277 1205 378">St. Clair Region Conservation Authority</div> <div data-bbox="1209 277 1810 378"> <ul style="list-style-type: none"> <li>• Applicable regulations and policies</li> <li>• Regulated Areas</li> </ul> </div> </div> <p data-bbox="940 410 1793 472">Through an initial review of available data, GHD identified records for the following Species at Risk (SAR) within the vicinity of the Project area:</p> <ul data-bbox="982 508 1688 1133" style="list-style-type: none"> <li>• Monarch</li> <li>• Bank swallow</li> <li>• Barn swallow</li> <li>• Chimney swift</li> <li>• Common nighthawk</li> <li>• Eastern wood-pewee</li> <li>• Peregrine falcon</li> <li>• Channel darter (Lake Erie population)</li> <li>• Northern madtom</li> <li>• Silver lamprey (Great Lakes - Upper St. Lawrence River population)</li> <li>• Spotted sucker</li> <li>• Wavy-rayed lampmussel</li> <li>• Blanding's turtle - Great Lakes/St. Lawrence population</li> <li>• Butler's gartersnake</li> <li>• Five-lined skink - (Carolinian Population)</li> <li>• Snapping turtle</li> </ul> <p data-bbox="940 1166 1793 1227">No significant Natural Heritage features were identified within the Project area based on available data.</p>
<p data-bbox="233 1255 789 1330"><b><u>Petroleum Wells &amp; Oil, Gas and Salt Resource Act</u></b></p> <p data-bbox="233 1365 833 1437">There may be petroleum wells within the proposed project area. Please consult the</p>	<p data-bbox="926 1255 1818 1382">As directed, GHD reviewed the data available on the Ontario Oil, Gas and Salt Resources Library and confirmed that there are no existing wells within the Project area. For your information, the closest existing well (King's Grist-Mill Well) is located approximately 570 m away from Mini Dock A (see</p>

Comments	Responses
<p>Ontario Oil, Gas and Salt Resources Library website (<a href="http://www.ogsrlibrary.com">www.ogsrlibrary.com</a>) for the best known data on any wells recorded by MNRF. Please reference the 'Definitions and Terminology Guide' listed in the publications on the Library website in order to better understand the well information available. Any oil and gas wells in your project area are regulated by the <i>Oil, Gas and Salt Resource Act</i>, and the supporting regulations and operating standards. If any unanticipated wells are encountered during development of the project, or if the proponent has questions regarding petroleum operations, the proponent should contact the Petroleum Operations Section at <a href="mailto:POSRecords@ontario.ca">POSRecords@ontario.ca</a> or 519-873-4634.</p>	<p>Figure 1). There are three licences associated with this well, all of which are identified as natural gas wells.</p>  <p>Figure 1 Location of wells</p> <p>No direct or indirect impacts to these existing wells are anticipated from the Project. However, should any wells be encountered during development of the project, then the Petroleum Operations Section will be contacted as suggested.</p>
<p><b><u>Public Lands Act</u></b></p> <p>The attached information package did not provide details related to the ownership of the relevant parcels, including the bed of the watercourse. Commercial docking facilities operating on Crown lands, including over the bed of Crown owned lands, require occupational authority under the <i>Public Lands Act</i>. <b>Please confirm ownership, including the bed of the watercourse, for the entire</b></p>	<p>The Project will likely extend over two property parcels (Figures 2 and 3). The Corporation of the City of Sarnia owns both of these properties.</p>

**extent of the proposed project for MNRF review.**

In Ontario, the use of Crown land and shore lands is regulated under the *Public Lands Act*. By law, you must obtain a work permit from the Ministry of Natural Resources and Forestry for certain activities on Crown and shore lands before any work can take place.

- This applies to any public land managed by the Ministry of Natural Resources and Forestry, including: the beds of most lakes and rivers, and shore lands covered or seasonally inundated by the water of a lake, river, stream or pond. It does not apply to: federal lands and water bodies (e.g., the Trent-Severn and Rideau Canal waterways) and private land, unless the work potentially affects Crown land, such as shore lands.
- **Please provide details regarding potential impacts to Crown lands, including works on private shore lands, for Ministry review and determination of work permit requirements under the *Public Lands Act*.**

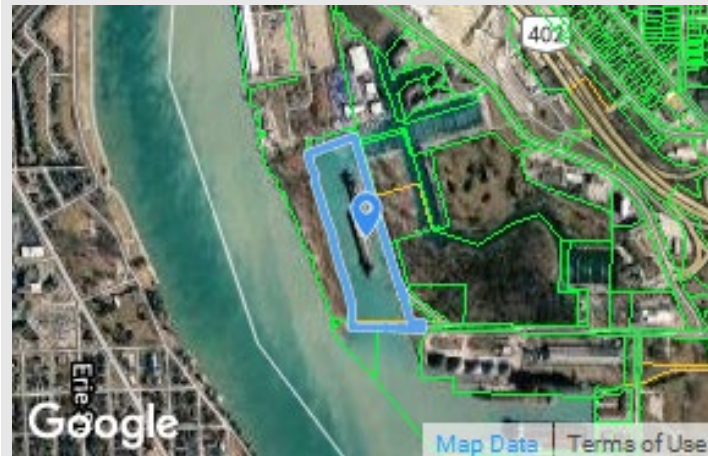


Figure 2 Property Parcel 1

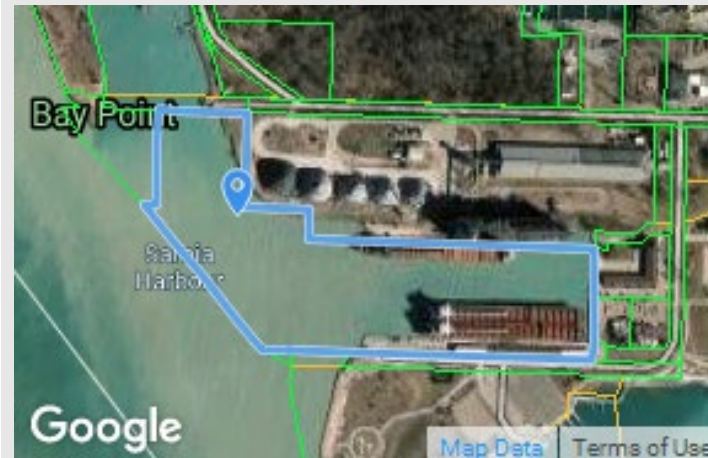


Figure 3 Property Parcel 2

The bed of Sarina Harbour is owned by the Corporation of the City of Sarnia. With this in mind, it should be noted that there will be no potential impacts of the Project on Crown Land.

## Bhavika Laxman

---

**From:** Sarah Hodgkiss <shodgkiss@scrca.on.ca>  
**Sent:** Tuesday, 7 July 2020 3:01 PM  
**To:** Christine Pritchard  
**Subject:** RE: Information Request - Port of Sarnia

Hello Christine,

As we noted in our response back in April, SCRCA has not done any monitoring in that area, so we do not have any species information available. DFO would have any available data regarding the aquatic communities, while MNRF and MECP would have the data on the terrestrial communities.

SCRCA's mapping can be viewed through our website here: <https://www.scrca.on.ca/planning-and-regulations/map-your-property/>. The port area has been identified as being regulated under Ontario Regulation 171/06. The policies of the Authority regulate development including: construction/reconstruction of a structure; placement or removal of fill; regrading; altering a watercourse; altering/developing a shoreline; or interfering with the function of a wetland. Written approval from this Authority will be required in order to undertake any of these activities within the regulated area.

The above mapping shows the woodland north of Exmouth Street. There are no other natural heritage features mapped in the vicinity.

### Sarah Hodgkiss

Planning Ecologist  
St. Clair Region Conservation Authority  
[shodgkiss@scrca.on.ca](mailto:shodgkiss@scrca.on.ca)

519-245-3710 ext. 234  
205 Mill Pond Crescent, Strathroy  
[www.scrca.on.ca](http://www.scrca.on.ca)

---

**From:** Christine Pritchard <Christine.Pritchard@ghd.com>  
**Sent:** July 6, 2020 9:39 AM  
**To:** SCRCA General Inbox <stclair@scrca.on.ca>; Sarah Hodgkiss <shodgkiss@scrca.on.ca>  
**Cc:** Jordan Widmaier <Jordan.Widmaier@ghd.com>  
**Subject:** RE: Information Request - Port of Sarnia

Hello,

I am following up on the information request below for the Port of Sarnia area, as we are progressing with an Environmental Assessment for the proposed dock expansion at this location. We have also contacted the MNRF, MECP and DFO for data on the project as well, and we understand not all of the data we are seeking is held with the St. Clair Region Conservation Authority. We are seeking any information of the below that is held by SCRCA.

Thank you in advance for any assistance that you may be able to provide.

**Christine Pritchard, B.Sc., CAN-CISEC**  
**Ecologist/Habitat Technician**

**GHD**

T: +1 905 814 4393 | F: +1 905 890 8499 | V: 881393 | C: +1 416 859 2033 | E: [christine.pritchard@ghd.com](mailto:christine.pritchard@ghd.com)  
6705 Millcreek Drive Unit 1 Mississauga ON L5N 5M4 Canada | [www.ghd.com](http://www.ghd.com)

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**From:** Christine Pritchard

**Sent:** Monday, June 22, 2020 10:46 AM

**To:** 'stclair@scrca.on.ca' <[stclair@scrca.on.ca](mailto:stclair@scrca.on.ca)>; 'shodgkiss@scrca.on.ca' <[shodgkiss@scrca.on.ca](mailto:shodgkiss@scrca.on.ca)>

**Cc:** Jordan Widmaier <[Jordan.Widmaier@ghd.com](mailto:Jordan.Widmaier@ghd.com)>

**Subject:** RE: Information Request - Port of Sarnia

Hello,

I am following up on the information request below for the Port of Sarnia area. We have also contacted the MNRF, MECP and DFO for data on the project as well, and we understand not all of the data we are seeking is held with the St. Clair Region Conservation Authority. We are seeking any information of the below that is held by SCRCA.

Thank you in advance for any assistance that you may be able to provide.

**Christine Pritchard, B.Sc., CAN-CISEC**  
**Ecologist/Habitat Technician**

**GHD**

T: +1 905 814 4393 | F: +1 905 890 8499 | V: 881393 | C: +1 416 859 2033 | E: [christine.pritchard@ghd.com](mailto:christine.pritchard@ghd.com)  
6705 Millcreek Drive Unit 1 Mississauga ON L5N 5M4 Canada | [www.ghd.com](http://www.ghd.com)

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**From:** Christine Pritchard

**Sent:** Thursday, April 16, 2020 11:41 AM

**To:** [stclair@scrca.on.ca](mailto:stclair@scrca.on.ca); [shodgkiss@scrca.on.ca](mailto:shodgkiss@scrca.on.ca)

**Cc:** Jordan Widmaier <[Jordan.Widmaier@ghd.com](mailto:Jordan.Widmaier@ghd.com)>

**Subject:** Information Request - Port of Sarnia

Good afternoon,

GHD has been retained by the City of Sarnia (City) to provide engineering services for the proposed expansion of their existing dock facility at the Port of Sarnia (Project). At present, we are confirming the environmental assessment and permitting requirements and Study Area conditions. As part of this confirmation exercise, GHD is requesting current background information for Species-at-Risk and natural heritage information within and surrounding the Study Area. Please find attached a .KMZ file and mapping of the Study Area location.

UTM Coordinates: 17T 384530.49 m E 4760219.99 m N

Through an initial review of NHIC and LIO databases, we have identified records for the following SAR and Natural Heritage features in the vicinity of the Study Area:

- Monarch
- Bank swallow



- Barn swallow
- Chimney swift
- Common nighthawk
- Eastern wood-pewee
- Peregrine falcon
- Channel darter (Lake Erie population)
- Northern madtom
- Silver lamprey (Great Lakes - Upper St. Lawrence River population)
- Spotted sucker
- Wavy-rayed lampmussel
- Blanding's turtle - Great Lakes/St. Lawrence population
- Butler's gartersnake
- Five-lined skink - (Carolinian Population)
- Snapping turtle

We are requesting any additional relevant available information including the following:

#### Aquatic

- Fish communities and species
- Confirmed or potential spawning/rearing/refuge/feeding habitat
- Mapping/thermal regimes of associated watercourses and tributaries (if no information available, the closest creek/feature would be helpful)
- Fish sampling stations for watercourses at or within proximity of the Study Area, if available
- Natural Resource and Values Information System (NRVIS) data

#### Terrestrial

- Site District Reports
- Records of SAR (both terrestrial and aquatic flora and fauna) - if possible, UTM's/accuracy codes, etc.
- Records of other wildlife (including road mortality)
- Designated areas (i.e., Areas of Natural and Scientific Interest (ANSI), Environmentally Significant Areas (ESA), Provincially Significant Wetlands (PSW))
- Sensitive avian nesting/over-wintering/foraging habitat
- NRVIS data (i.e., heronries, deer yards, etc.)

Please provide us with the requested information by no later than May 25, 2020 so it can be appropriately considered in the Project. In the meantime, please contact me if you have any questions on the preceding request or require any further information.

Thank you in advance,

**Christine Pritchard, B.Sc., CAN-CISEC**  
**Ecologist/Habitat Technician**

#### GHD

T: +1 905 814 4393 | F: +1 905 890 8499 | V: 881393 | C: +1 416 859 2033 | E: [christine.pritchard@ghd.com](mailto:christine.pritchard@ghd.com)  
 6705 Millcreek Drive Unit 1 Mississauga ON L5N 5M4 Canada | [www.ghd.com](http://www.ghd.com)

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## Bhavika Laxman

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**From:** Bhavika Laxman  
**Sent:** Wednesday, 7 October 2020 3:30 PM  
**To:** shodgkiss@scrca.on.ca  
**Cc:** Ian Dobrindt; Jennifer Penton; Lyle Johnson  
**Subject:** RE: Sarnia Expanded Dock Facility Class Environmental Assessment - Information Package  
**Attachments:** 11209875-St.Clair CA\_response to comments.pdf

**CompleteRepository:** 11209875  
**Description:** Sarnia Dock Facility Services  
**JobNo:** 11209875  
**OperatingCentre:** 662  
**RepoEmail:** 11209875@ghd.com  
**RepoType:** Project

Good afternoon Sarah,

On behalf of Ian Dobrindt, thank you for your comments on the Sarnia Expanded Dock Facility Project. Please find attached our response to your comments.

If you have any further questions please do not hesitate to reach out.

Kind regards,

**Bhavika Laxman**

**BEnvMan Honours (Sustainable Development)**

**Environmental Planner**

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T: 416 866 2357 | V: 886357 | E: [bhavika.laxman@ghd.com](mailto:bhavika.laxman@ghd.com)  
184 Front Street East Suite 302 Toronto Ontario M5A 4N3 Canada | [www.ghd.com](http://www.ghd.com)

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**From:** Sarah Hodgkiss <[shodgkiss@scrca.on.ca](mailto:shodgkiss@scrca.on.ca)>  
**Sent:** Wednesday, September 30, 2020 5:20 PM  
**To:** Ian Dobrindt <[ian.Dobrindt@ghd.com](mailto:ian.Dobrindt@ghd.com)>  
**Subject:** Sarnia Expanded Dock Facility Class Environmental Assessment - Information Package

EA#2020-009

Hello Ian,

I know we have had several staff contact the City and various GHD staff about the Sarnia Dock Facility Class EA over the last few months. We received a follow up email from Bhavika Laxman with the preliminary findings at the end of August, and I apologize for our delayed response to that email.

We had discussions with GHD's ecology staff over the spring and summer, and we have no additional data to add to DFO and MNRF's natural heritage data.

We assume as part of the EA process a coastal assessment will be conducted to address flood and erosion concerns, and any upstream/downstream impacts. SCRCA is happy to assist with review of any of the studies, as well as review of the design of the SSP wall.

SCRCA has been involved in the review of contaminated sediment in the St. Clair River. It is expected that there is any contamination in the dredgeate for this project?

Our Director of Water Resources, Girish Sankar, would be happy to discuss the above information with you. His contact information is [gsankar@scrca.on.ca](mailto:gsankar@scrca.on.ca), or he is available at 519-245-3710, ext. 247.

Thank you,

**Sarah Hodgkiss**

Planning Ecologist  
St. Clair Region Conservation Authority  
[shodgkiss@scrca.on.ca](mailto:shodgkiss@scrca.on.ca)

519-245-3710 ext. 234  
205 Mill Pond Crescent, Strathroy  
[www.scrca.on.ca](http://www.scrca.on.ca)

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7 October 2020

Reference No. 11209875

Sarah Hodgkiss  
St. Clair Region Conservation Authority  
250 Mill Pond Crescent, Strathroy  
ON, N7G 3R1

Dear Sarah:

**Re: Sarnia Expanded Dock Facility Class EA  
Response to St. Clair Region Conservation Authority's Comments**

Thank you for the St. Clair Region Conservation Authority's comments provided in your September 30, 2020 email on the proposed expansion of the Sarnia Dock Facility (the Project).

Please find attached Table 1 providing our responses to your comments for your information.

Please contact me at 416 721 8206 or [ian.dobrindt@ghd.com](mailto:ian.dobrindt@ghd.com) if you have any questions on the preceding information.

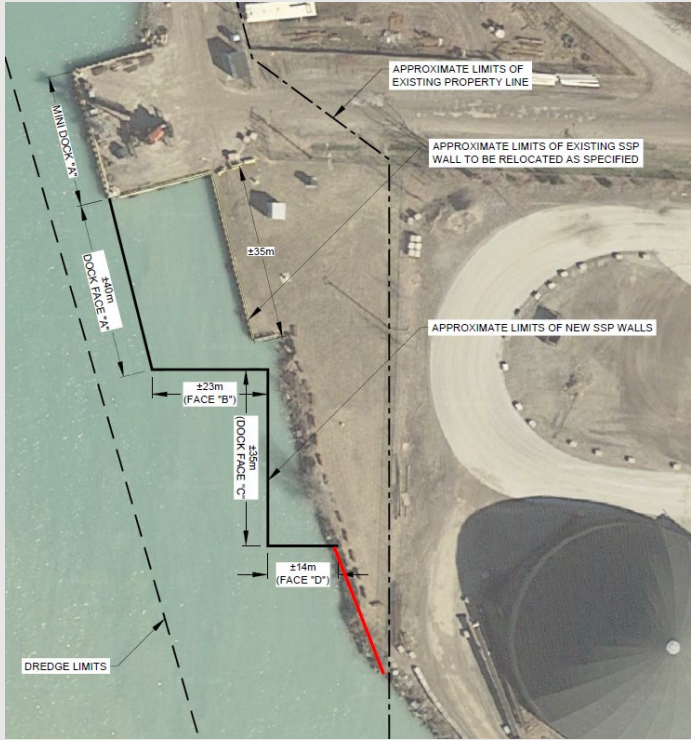
Ian Dobrindt, MCIP, RPP, EP  
Senior EA & Approvals Practice Lead

A handwritten signature in blue ink, appearing to read 'Ian Dobrindt', with a stylized flourish extending to the right.

Encl.

cc: [Jennifer.Penton@ghd.com](mailto:Jennifer.Penton@ghd.com)  
[lyle.johnson@sarnia.ca](mailto:lyle.johnson@sarnia.ca)

**Table 1 Responses to SCRCA's Comments on the Preliminary Information Package**

Comments	Responses
<p>We had discussions with GHD's ecology staff over the spring and summer, and we have no additional data to add to DFO and MNRF's natural heritage data.</p>	<p>Comment noted.</p>
<p>We assume as part of the EA process a coastal assessment will be conducted to address flood and erosion concerns, and any upstream/downstream impacts. SCRCA is happy to assist with review of any of the studies, as well as review of the design of the SSP wall.</p>	<p>A coastal assessment is not being conducted as part of the Class EA process because it is not required based on the nature and extent of the Project. Notwithstanding this, the City is proposing to mitigate approximately 30 m of visible erosion along the south-western shoreline of the Project area. The living wall along Face D will tie into the eroding shoreline and stabilize the shore up to the slight bend at the fence line, the 30 m of shoreline improvement is the approximate length between Face D and the fence line – indicated by the red line on the figure below.</p> 
<p>SCRCA has been involved in the review of contaminated sediment in the St. Clair River. It is expected that there is any contamination in the dredgeate for this project?</p>	<p>The Project does not propose any dredging; therefore, no dredgeate will be produced.</p>



Comments	Responses
Our Director of Water Resources, Girish Sankar, would be happy to discuss the above information with you. His contact information is <a href="mailto:gsankar@scrca.on.ca">gsankar@scrca.on.ca</a> , or he is available at 519-245-3710, ext. 247.	Comment noted.

---

**From:** EnviroOnt <EnviroOnt@tc.gc.ca>  
**Sent:** Friday, August 7, 2020 5:31 PM  
**To:** Nigel Joyce <Nigel.Joyce@ghd.com>  
**Subject:** Sarnia Expanded Dock Facility Class Environmental Assessment - Information Package

Greetings,

Thank you for your correspondence.

Please note Transport Canada **does not** require receipt of all individual or Class EA related notifications. We are requesting project proponents self-assess if their project:

1. Will interact with a federal property and/or waterway by reviewing the Directory of Federal Real Property, available at [www.tbs-sct.gc.ca/dfrp-rbif/](http://www.tbs-sct.gc.ca/dfrp-rbif/); and
2. Will require approval and/or authorization under any Acts administered by Transport Canada\* available at <http://www.tc.gc.ca/eng/acts-regulations/menu.htm>.

Projects that will occur on federal property prior to exercising a power, performing a function or duty in relation to that project, will be subject to a determination of the likelihood of significant adverse environmental effects, per Section 82 of the *Impact Assessment Act, 2019*.

If the aforementioned does not apply, the Environmental Assessment program should not be included in any further correspondence and future notifications will not receive a response. If there is a role under the program, correspondence should be forwarded *electronically* to: [EnviroOnt@tc.gc.ca](mailto:EnviroOnt@tc.gc.ca) with a **brief description of Transport Canada's expected role**.

\*Below is a summary of the most common Acts that have applied to projects in an Environmental Assessment context:

- **Canadian Navigable Waters Act (CNWA)** – the Act applies primarily to works constructed or placed in, on, over, under, through, or across navigable waters set out under the Act. The Navigation Protection Program administers the CNWA through the review and authorization of works affecting navigable waters. Information about the Program, CNWA and approval process is available at: <http://www.tc.gc.ca/eng/programs-621.html>. Enquiries can be directed to [NPPONT-PPNONT@tc.gc.ca](mailto:NPPONT-PPNONT@tc.gc.ca) or by calling (519) 383-1863.



- **Railway Safety Act (RSA)** – the Act provides the regulatory framework for railway safety, security, and some of the environmental impacts of railway operations in Canada. The Rail Safety Program develops and enforces regulations, rules, standards and procedures governing safe railway operations. Additional information about the Program is available at: <https://www.tc.gc.ca/eng/railsafety/menu.htm>. Enquiries can be directed to [RailSafety@tc.gc.ca](mailto:RailSafety@tc.gc.ca) or by calling (613) 998-2985.
- **Transportation of Dangerous Goods Act (TDGA)** – the transportation of dangerous goods by air, marine, rail and road is regulated under the TDGA. Transport Canada, based on risks, develops safety standards and regulations, provides oversight and gives expert advice on dangerous goods to promote public safety. Additional information about the transportation of dangerous goods is available at: <https://www.tc.gc.ca/eng/tdg/safety-menu.htm>. Enquiries can be directed to [TDG-TMDOntario@tc.gc.ca](mailto:TDG-TMDOntario@tc.gc.ca) or by calling (416) 973-1868.
- **Aeronautics Act** – Transport Canada has sole jurisdiction over aeronautics, which includes aerodromes and all related buildings or services used for aviation purposes. Aviation safety in Canada is regulated under this Act and the Canadian Aviation Regulations (CARs). Elevated Structures, such as wind turbines and communication towers, would be examples of projects that must be assessed for lighting and marking requirements in accordance with the CARs. Transport Canada also has an interest in projects that have the potential to cause interference between wildlife and aviation activities. One example would be waste facilities, which may attract birds into commercial and recreational flight paths. The *Land Use In The Vicinity of Aerodromes* publication recommends guidelines for and uses in the vicinity of aerodromes, available at: <https://www.tc.gc.ca/eng/civilaviation/publications/tp1247-menu-1418.htm>. Enquires can be directed to at [tc.aviationservicesont-servicesaviationont.tc@tc.gc.ca](mailto:tc.aviationservicesont-servicesaviationont.tc@tc.gc.ca) or by calling 1 (800) 305-2059 / (416) 952-0230.

Please advise if additional information is needed.

Thank you,

**Environmental Assessment Program**, Ontario Region

Transport Canada / Government of Canada / 4900 Yonge St., Toronto, ON M2N 6A5

[EnviroOnt@tc.gc.ca](mailto:EnviroOnt@tc.gc.ca) / Facsimile : (416) 952-0514 / TTY: 1-888-675-6863

**Programme d'évaluation environnementale**, Région de l'Ontario

Transports Canada / Gouvernement du Canada / 4900, rue Yonge, Toronto, ON, M2N 6A5

[EnviroOnt@tc.gc.ca](mailto:EnviroOnt@tc.gc.ca) / télécopieur: (416) 952-0514

---

**From:** Nigel Joyce [<mailto:Nigel.Joyce@ghd.com>]

**Sent:** Monday, July 20, 2020 4:24 PM

**Cc:** Ian Dobrindt <[Ian.Dobrindt@ghd.com](mailto:Ian.Dobrindt@ghd.com)>

**Subject:** Sarnia Expanded Dock Facility Class Environmental Assessment - Information Package

Hello,

On behalf of the City of Sarnia, please find attached an Information Package summarizing Phases 1 and 2 of the Municipal Class Environmental Assessment being carried out for proposed expansion of the existing Sarnia Dock Facility (Project) for your information and review.

We respectfully request that you provide any comments you may have back to us by no later than **August 10, 2020** so that they can be appropriately considered in the Project.

Please contact me at [ian.dobrindt@ghd.com](mailto:ian.dobrindt@ghd.com) or by phone at 416 721 8206 if you have any questions on the attached information.

Thank-you.

**Ian Dobrindt, MCIP, RPP, EP**  
**Senior EA & Approvals Practice Lead**

**GHD**

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4 September 2020

Reference No. 11209875

Transport Canada  
4900 Young Street  
Toronto ON M2N 6A5  
[EnviroOnt@tc.gc.ca](mailto:EnviroOnt@tc.gc.ca)

Dear Transport Canada:

**Re: Sarnia Expanded Dock Facility Class EA – Responses to Transport Canada’s Comments on the Preliminary Findings Information Package**

Thank you for Transport Canada’s comments provided in your August 7, 2020 email on the proposed expansion of the Sarnia Dock Facility (the Project).

Please find attached Table 1 providing our responses to Transport Canada’s comments for your information.

Please contact me at 416 721 8206 or [ian.dobrindt@ghd.com](mailto:ian.dobrindt@ghd.com) if you have any questions on the preceding information.

Sincerely,

GHD


A handwritten signature in blue ink, appearing to read 'Ian Dobrindt', with a long horizontal flourish extending to the right.

Ian Dobrindt, MCIP, RPP, EP  
Senior EA & Approvals Practice Lead



**Table 1 Responses to Transport Canada's Comments on the Preliminary Information Package**

Comments	Responses
<p>Please note Transport Canada <b>does not</b> require receipt of all individual or Class EA related notifications. We are requesting project proponents self-assess if their project:</p> <ol style="list-style-type: none"> <li>1. Will interact with a federal property and/or waterway by reviewing the Directory of Federal Real Property, available at <a href="http://www.tbs-sct.gc.ca/dfrp-rbif/">www.tbs-sct.gc.ca/dfrp-rbif/</a>; <b>and</b></li> <li>2. Will require approval and/or authorization under any Acts administered by Transport Canada* available at <a href="http://www.tc.gc.ca/eng/acts-regulations/menu.htm">http://www.tc.gc.ca/eng/acts-regulations/menu.htm</a>.</li> </ol> <p>Projects that will occur on federal property prior to exercising a power, performing a function or duty in relation to that project, will be subject to a determination of the likelihood of significant adverse environmental effects, per Section 82 of the <i>Impact Assessment Act, 2019</i>.</p> <p>If the aforementioned does not apply, the Environmental Assessment program should not be included in any further correspondence and future notifications will not receive a response. If there is a role under the program, correspondence should be forwarded <i>electronically</i> to: <a href="mailto:EnviroOnt@tc.gc.ca">EnviroOnt@tc.gc.ca</a> with a <b>brief description of Transport Canada's expected role</b>.</p>	<p>Transport Canada was initially notified because the Municipal Class Environmental Assessment (MCEA) identified them as a review agency to be contacted due to the nature of the Project. Notwithstanding this, we have undertaken the requested self-assessment to determine whether the Project would:</p> <ol style="list-style-type: none"> <li>1. Interfere with Federal property and/or waterways. With this in mind, a review of the Directory of Federal Property data was undertaken as suggested. The following items were noted within the Project vicinity: <ol style="list-style-type: none"> <li>a. Transport Canada (Port Programs) are the nominated Federal custodian for Sarina Harbour (Property number 32971) (area extent identified in green as per the figure below). No direct construction activities are proposed within the identified area. In addition, no indirect impacts from the proposed construction activities are anticipated to affect the flow of the St Clair River. The harbour bottom is owned by the Corporation of the City of Sarnia.</li> </ol> </li> </ol>

Comments	Responses
	 <p>2. Require either approval and/or authorization under any Acts administered by Transport Canada:</p> <ol style="list-style-type: none"> <li><b>Canadian Navigable Waters Act (CNWA)</b> – The proposed works are located within the Act’s scheduled waters and meet the requirements of the “Major Works” category. As such, an application to the Navigation Protection Program (NPP) will be prepared as part of the Project.</li> </ol> <p>In light of the preceding, we anticipate Transport Canada’s role on the Project to be providing approval under CNWA upon receipt of the NPP application.</p>
<p>*Below is a summary of the most common Acts that have applied to projects in an Environmental Assessment context:</p> <ul style="list-style-type: none"> <li>• <b>Canadian Navigable Waters Act (CNWA)</b> – the Act applies primarily to works constructed or placed in, on, over, under, through, or across navigable waters set out under the Act. The Navigation Protection Program administers the CNWA through the review and authorization of works affecting navigable waters.</li> </ul>	<p>As stated in the preceding response, the CNWA is applicable to the Project and an application under the NPP is currently underway.</p>



Comments	Responses
<p>Information about the Program, CNWA and approval process is available at:  <a href="http://www.tc.gc.ca/eng/programs-621.html">http://www.tc.gc.ca/eng/programs-621.html</a>. Enquiries can be directed to NPPONT-PPNONT@tc.gc.ca or by calling (519) 383-1863.</p>	
<ul style="list-style-type: none"> <li>• <b>Railway Safety Act (RSA)</b> – the Act provides the regulatory framework for railway safety, security, and some of the environmental impacts of railway operations in Canada. The Rail Safety Program develops and enforces regulations, rules, standards and procedures governing safe railway operations. Additional information about the Program is available at:  <a href="https://www.tc.gc.ca/eng/railsafety/menu.htm">https://www.tc.gc.ca/eng/railsafety/menu.htm</a>. Enquiries can be directed to RailSafety@tc.gc.ca or by calling (613) 998-2985.</li> </ul>	<p>This Act is not applicable to this Project because the proposed works do not interfere with any railways.</p>
<ul style="list-style-type: none"> <li>• <b>Transportation of Dangerous Goods Act (TDGA)</b> – the transportation of dangerous goods by air, marine, rail and road is regulated under the TDGA. Transport Canada, based on risks, develops safety standards and regulations, provides oversight and gives expert advice on dangerous goods to promote public safety. Additional information about the transportation of dangerous goods is available at: <a href="https://www.tc.gc.ca/eng/tdg/safety-menu.htm">https://www.tc.gc.ca/eng/tdg/safety-menu.htm</a>. Enquiries can be directed to TDG-TMDOntario@tc.gc.ca or by calling (416) 973-1868.</li> </ul>	<p>This Act is not applicable to this Project because the proposed works do not require the transportation of dangerous goods.</p>
<ul style="list-style-type: none"> <li>• <b>Aeronautics Act</b> – Transport Canada has sole jurisdiction over aeronautics, which includes aerodromes and all related buildings or services used for aviation purposes. Aviation safety in Canada is regulated under this Act and the Canadian Aviation Regulations (CARs). Elevated Structures, such as wind turbines and communication towers, would be examples of projects that must be assessed for lighting and marking requirements in accordance with the CARs. Transport Canada also has an interest in projects that have the</li> </ul>	<p>This Act is not applicable to this Project because the proposed works do not interfere with any aeronautics.</p>



Comments	Responses
<p>potential to cause interference between wildlife and aviation activities. One example would be waste facilities, which may attract birds into commercial and recreational flight paths. The <i>Land Use In The Vicinity of Aerodromes</i> publication recommends guidelines for and uses in the vicinity of aerodromes, available at: <a href="https://www.tc.gc.ca/eng/civilaviation/publications/tp1247-menu-1418.htm">https://www.tc.gc.ca/eng/civilaviation/publications/tp1247-menu-1418.htm</a>. Enquires can be directed to at <a href="mailto:tc.aviationservicesont-servicesaviationont.tc@tc.gc.ca">tc.aviationservicesont-servicesaviationont.tc@tc.gc.ca</a> or by calling 1 (800) 305-2059 / (416) 952-0230.</p>	



## Bhavika Laxman

---

**From:** Peters, John <john.peters@bell.ca>  
**Sent:** Thursday, 20 August 2020 3:31 PM  
**To:** Bhavika Laxman  
**Subject:** RE: Sarnia Expanded Dock Facility Class Environmental Assessment - Information Package

Hi Bhavika,

We do not have any issues with this.

Thanks,



John Peters  
Specialist, Network Provisioning  
153 Scott St  
Strathroy, On N7G 1J6  
Office: 519-850-5981  
Cell: 519-317-4807  
[john.peters@bell.ca](mailto:john.peters@bell.ca)

---

**From:** Bhavika Laxman <Bhavika.Laxman@ghd.com>  
**Sent:** August-20-20 10:10 AM  
**To:** Peters, John <john.peters@bell.ca>  
**Subject:** [EXT]Sarnia Expanded Dock Facility Class Environmental Assessment - Information Package

Hello,

On behalf of the City of Sarnia, I am following up on an information package that was sent out in July regarding the Phases 1 and 2 Municipal Class Environmental Assessment that is being carried out for proposed expansion of the existing Sarnia Dock Facility (Project).

My email today is to confirm that you have no comments regarding the proposed expansion. I have attached the information package to this email for easy reference.

Should you have any comments or concerns please do not hesitate to provide them so that they can be appropriately considered in the Project.

Thank-you,

**Bhavika Laxman**

**BEnvMan Honours (Sustainable Development)  
Environmental Planner**

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## Bhavika Laxman

---

**From:** Domenic Pinelli <DPinelli@bluewaterpower.com>  
**Sent:** Tuesday, 8 September 2020 11:52 AM  
**To:** Bhavika Laxman  
**Cc:** Lyle Johnson; Brad Gray; Jennifer Penton; Ian Dobrindt  
**Subject:** RE: [EXT] RE: [EXT] Sarnia Expanded Dock Facility Class Environmental Assessment - Information Package

Hi Bhavika,

Thanks for providing the summary.

Once you are ready to proceed with any type of required relocation or design that may be needed, please contact myself to coordinate details.

Regards,

Domenic Pinelli  
Manager of Design Services  
Bluewater Power Distribution Corp.  
(519) 337-8201 Ext. 2223

---

**From:** Bhavika Laxman <Bhavika.Laxman@ghd.com>  
**Sent:** September-04-20 9:04 AM  
**To:** Domenic Pinelli <DPinelli@bluewaterpower.com>  
**Cc:** Lyle Johnson <lyle.johnson@sarnia.ca>; Brad Gray <BGray@bluewaterpower.com>; Jennifer Penton <Jennifer.Penton@ghd.com>; Ian Dobrindt <Ian.Dobrindt@ghd.com>  
**Subject:** [EXT] RE: [EXT] Sarnia Expanded Dock Facility Class Environmental Assessment - Information Package

Good morning Domenic,

In response to the comments received from Brad below, please find attached our response.

If you have any further comments or concerns please let me know.

Kind regards,

**Bhavika Laxman**

**BEnvMan Honours (Sustainable Development)**  
**Environmental Planner**  
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**From:** Brad Gray <[BGray@bluewaterpower.com](mailto:BGray@bluewaterpower.com)>  
**Sent:** Friday, 21 August 2020 11:28 AM  
**To:** Bhavika Laxman <[Bhavika.Laxman@ghd.com](mailto:Bhavika.Laxman@ghd.com)>  
**Cc:** Domenic Pinelli <[DPinelli@bluewaterpower.com](mailto:DPinelli@bluewaterpower.com)>; Lyle Johnson <[lyle.johnson@sarnia.ca](mailto:lyle.johnson@sarnia.ca)>  
**Subject:** RE: [EXT] Sarnia Expanded Dock Facility Class Environmental Assessment - Information Package

Hi Bhavika,

I have copied Domenic Pinelli, Bluewater Power Manager of Engineering and Lyle Johnson OLC Project Manager.

Bluewater Power is aware of the planned installation of a new dock and the environmental assessment taking place at the west end of Exmouth.

Please note: Bluewater Power has high voltage distribution equipment that will have to be re-located at the proposed site. City of Sarnia also has electrical infrastructure at this location.

Please contact Domenic Pinelli on any future correspondence in regard to Bluewater Power design, cost estimates and build timelines.

Thank You,

Brad Gray,

Project Manager  
Bluewater Power  
(519) 381-5815

---

**From:** Bhavika Laxman [<mailto:Bhavika.Laxman@ghd.com>]  
**Sent:** Thursday, August 20, 2020 10:09 AM  
**To:** Brad Gray <[BGray@bluewaterpower.com](mailto:BGray@bluewaterpower.com)>  
**Subject:** [EXT] Sarnia Expanded Dock Facility Class Environmental Assessment - Information Package

Hello,

On behalf of the City of Sarnia, I am following up on an information package that was sent out in July regarding the Phases 1 and 2 Municipal Class Environmental Assessment that is being carried out for proposed expansion of the existing Sarnia Dock Facility (Project).

My email today is to confirm that you have no comments regarding the proposed expansion. I have attached the information package to this email for easy reference.

Should you have any comments or concerns please do not hesitate to provide them so that they can be appropriately considered in the Project.

Thank-you,

**Bhavika Laxman**

**BEnvMan Honours (Sustainable Development)**

**Environmental Planner**

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4 September, 2020

Reference No. 11209875

Domenic Pinelli  
Bluewater Power  
855 Confederation Street,  
Sarnia, ON  
N7T 2E4  
[DPinelli@bluewaterpower.com](mailto:DPinelli@bluewaterpower.com)

Dear Domenic Pinelli:

**Re: Sarnia Expanded Dock Facility Class EA – Responses to MHSTCI's Comments on the Preliminary Findings Information Package**

Thank you for Bluewater Power's comments provided in Mr. Brad Gray's August 21, 2020 email on the proposed expansion of the Sarnia Dock Facility (the Project).

As requested by Mr. Gray, please find attached Table 1 providing our responses to Bluewater Power's comments for your information.

Please contact me at 416 721 8206 or [ian.dobrindt@ghd.com](mailto:ian.dobrindt@ghd.com) if you have any questions on the preceding information.

Sincerely,

GHD

A handwritten signature in blue ink, appearing to read 'Ian Dobrindt', with a stylized flourish extending to the right.

Ian Dobrindt, MCIP, RPP, EP  
Senior EA & Approvals Practice Lead



**Table 1 Responses to Bluewater Power's Comments on the Preliminary Information Package**

Comments	Responses
Bluewater Power is aware of the planned installation of a new dock and the environmental assessment taking place at the west end of Exmouth.	Comment noted.
Bluewater Power has high voltage distribution equipment that will have to be re-located at the proposed site. City of Sarnia also has electrical infrastructure at this location.	We understand that the City has discussed with Bluewater Power that a new location for the transformer and distribution building will be determined once the dock layout and construction plan have been finalized.
Please contact Domenic Pinelli on any future correspondence in regard to Bluewater Power design, cost estimates and build timelines.	As requested, all future correspondence with Bluewater Power regarding the Project will be directed to Mr. Domenic Pinelli.



## Bhavika Laxman

---

**From:** Todd Batson <todd.batson@cogeco.com>  
**Sent:** Thursday, 20 August 2020 10:17 AM  
**To:** Bhavika Laxman  
**Subject:** Re: Sarnia Expanded Dock Facility Class Environmental Assessment - Information Package

Good morning,

I've reviewed the attached package and have no comments on it.

Thanks,

On Thu, Aug 20, 2020 at 10:10 AM Bhavika Laxman <[Bhavika.Laxman@ghd.com](mailto:Bhavika.Laxman@ghd.com)> wrote:

Hello,

On behalf of the City of Sarnia, I am following up on an information package that was sent out in July regarding the Phases 1 and 2 Municipal Class Environmental Assessment that is being carried out for proposed expansion of the existing Sarnia Dock Facility (Project).

My email today is to confirm that you have no comments regarding the proposed expansion. I have attached the information package to this email for easy reference.

Should you have any comments or concerns please do not hesitate to provide them so that they can be appropriately considered in the Project.

Thank-you,

**Bhavika Laxman**

**BEnvMan Honours (Sustainable Development)**

**Environmental Planner**

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--

**TODD BATSON**

Network Planner  
Customer Network Delivery, Western Ontario  
T 519 336-0443 x8109  519 328-1968

1421 Confederation St  
Sarnia, Ontario N7S 5N9 Canada  
[cogeco.ca](http://cogeco.ca)



---

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## Bhavika Laxman

---

**From:** Sarnia-Harbour Master <harbourmaster@sarship.com>  
**Sent:** Thursday, 20 August 2020 10:33 AM  
**To:** Bhavika Laxman  
**Subject:** RE: Sarnia Expanded Dock Facility Class Environmental Assessment - Information Package

Good day  
This will confirm I have no comment  
Sarnia – Harbour Master  
Allan Columbus

---

**From:** Bhavika Laxman <Bhavika.Laxman@ghd.com>  
**Sent:** August 20, 2020 10:14  
**To:** harbourmaster@sarship.com  
**Subject:** Sarnia Expanded Dock Facility Class Environmental Assessment - Information Package

Hello,

On behalf of the City of Sarnia, I am following up on an information package that was sent out in July regarding the Phases 1 and 2 Municipal Class Environmental Assessment that is being carried out for proposed expansion of the existing Sarnia Dock Facility (Project).

My email today is to confirm that you have no comments regarding the proposed expansion. I have attached the information package to this email for easy reference.

Should you have any comments or concerns please do not hesitate to provide them so that they can be appropriately considered in the Project.

Thank-you,

**Bhavika Laxman**

**BEnvMan Honours (Sustainable Development)  
Environmental Planner**

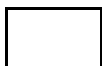
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4 September 2020

Reference No. 11209875

Chris Plain  
Aamjiwnaang First Nation  
978 Tashmoo Ave, Sarnia  
ON, N7T 7H5  
[chief.plain@aamjiwnaang.ca](mailto:chief.plain@aamjiwnaang.ca)

Dear Chris Plain:

**Re: Sarnia Expanded Dock Facility Class EA – Preliminary Findings Information Package**

The City of Sarnia (City) is proposing to expand their existing dock facility (Mini Dock A) located at the western limit of Exmouth Street to support the Oversized Load Corridor and provide access to the St. Clair River via the Port of Sarnia. With this in mind, please find attached an Information Package summarizing Phases 1 and 2 of the Municipal Class Environmental Assessment being carried out for proposed expansion of the existing Sarnia Dock Facility (Project) for your information and review.

We would appreciate receiving any comments you may have back to us by no later than **September 26, 2020** so that they can be appropriately considered in the Project. Alternatively, the City is available to meet with the Aamjiwnaang First Nation to discuss the Project further if interested.

Please contact me at [ian.dobrindt@ghd.com](mailto:ian.dobrindt@ghd.com) or by phone at 416 721 8206 if you have any questions on the attached information or to set up a meeting with the City.

Sincerely,

GHD

A handwritten signature in blue ink, appearing to read 'Ian Dobrindt', with a long horizontal flourish extending to the right.

Ian Dobrindt, MCIP, RPP, EP  
Senior EA & Approvals Practice Lead

Encl.

cc: [Jennifer.Penton@ghd.com](mailto:Jennifer.Penton@ghd.com)

[lyle.johnson@sarnia.ca](mailto:lyle.johnson@sarnia.ca)



4 September 2020

Reference No. 11209875

Oneida Nation of the Thames  
2212 Elm Avenue,  
Southwold, ON  
N0L 2G0

Dear Oneida Nation of the Thames:

**Re: Sarnia Expanded Dock Facility Class EA – Preliminary Findings Information Package**

On behalf of the City of Sarnia, please find attached an Information Package summarizing Phases 1 and 2 of the Municipal Class Environmental Assessment being carried out for proposed expansion of the existing Sarnia Dock Facility (Project) for your information and review.

We would appreciate receiving any comments you may have back to us by no later than **September 26, 2020** so that they can be appropriately considered in the Project. Alternatively, the City is available to meet with the Oneida Nation of the Thames to discuss the Project further if interested.

Please contact me at [ian.dobrindt@ghd.com](mailto:ian.dobrindt@ghd.com) or by phone at 416 721 8206 if you have any questions on the attached information or to set up a meeting with the City.

Sincerely,

GHD

A handwritten signature in blue ink, appearing to read 'Ian Dobrindt', with a long horizontal flourish extending to the right.

Ian Dobrindt, MCIP, RPP, EP  
Senior EA & Approvals Practice Lead

Encl.

cc: [Jennifer.Penton@ghd.com](mailto:Jennifer.Penton@ghd.com)

[lyle.johnson@sarnia.ca](mailto:lyle.johnson@sarnia.ca)



4 September 2020

Reference No. 11209875

Mary Duckworth  
Caldwell First Nation  
14 Orange Street,  
Leamington, ON  
N8H 1P5  
[chief@caldwellfirstnation.ca](mailto:chief@caldwellfirstnation.ca)

Dear Mary Duckworth:

**Re: Sarnia Expanded Dock Facility Class EA – Preliminary Findings Information Package**

The City of Sarnia (City) is proposing to expand their existing dock facility (Mini Dock A) located at the western limit of Exmouth Street to support the Oversized Load Corridor and provide access to the St. Clair River via the Port of Sarnia. With this in mind, please find attached an Information Package summarizing Phases 1 and 2 of the Municipal Class Environmental Assessment being carried out for proposed expansion of the existing Sarnia Dock Facility (Project) for your information and review.

We would appreciate receiving any comments you may have back to us by no later than **September 26, 2020** so that they can be appropriately considered in the Project. Alternatively, the City is available to meet with the Caldwell First Nation to discuss the Project further if interested.

Please contact me at [ian.dobrindt@ghd.com](mailto:ian.dobrindt@ghd.com) or by phone at 416 721 8206 if you have any questions on the attached information or to set up a meeting with the City.

Sincerely,

GHD

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Ian Dobrindt, MCIP, RPP, EP  
Senior EA & Approvals Practice Lead

Encl.

cc: [Jennifer.Penton@ghd.com](mailto:Jennifer.Penton@ghd.com)  
[lyle.johnson@sarnia.ca](mailto:lyle.johnson@sarnia.ca)



4 September 2020

Reference No. 11209875

Jacqueline French  
Chippewas of the Thames First Nation  
320 Chippewa Road,  
Mucey, ON  
N0L 1Y0  
[jfrench@cottfn.com](mailto:jfrench@cottfn.com)

Dear Jacqueline French:

**Re: Sarnia Expanded Dock Facility Class EA – Preliminary Findings Information Package**

The City of Sarnia (City) is proposing to expand their existing dock facility (Mini Dock A) located at the western limit of Exmouth Street to support the Oversized Load Corridor and provide access to the St. Clair River via the Port of Sarnia. With this in mind, please find attached an Information Package summarizing Phases 1 and 2 of the Municipal Class Environmental Assessment being carried out for proposed expansion of the existing Sarnia Dock Facility (Project) for your information and review.

We would appreciate receiving any comments you may have back to us by no later than **September 26, 2020** so that they can be appropriately considered in the Project. Alternatively, the City is available to meet with the Bkejwanong (Walpole Island First Nation) to discuss the Project further if interested.

Please contact me at [ian.dobrindt@ghd.com](mailto:ian.dobrindt@ghd.com) or by phone at 416 721 8206 if you have any questions on the attached information or to set up a meeting with the City.

Sincerely,

GHD

A handwritten signature in blue ink, appearing to read 'Ian Dobrindt', with a long horizontal flourish extending to the right.

Ian Dobrindt, MCIP, RPP, EP  
Senior EA & Approvals Practice Lead

Encl.

cc: [Jennifer.Penton@ghd.com](mailto:Jennifer.Penton@ghd.com)  
[lyle.johnson@sarnia.ca](mailto:lyle.johnson@sarnia.ca)





4 September 2020

Reference No. 11209875

Jason Henry  
Kettle and Stony Point First Nation  
6247 Indian Lane, Lambton Shores  
ON, N0N 1J1  
[fdesk@kettlepoint.org](mailto:fdesk@kettlepoint.org)

Dear Jason Henry:

**Re: Sarnia Expanded Dock Facility Class EA – Preliminary Findings Information Package**

The City of Sarnia (City) is proposing to expand their existing dock facility (Mini Dock A) located at the western limit of Exmouth Street to support the Oversized Load Corridor and provide access to the St. Clair River via the Port of Sarnia. With this in mind, please find attached an Information Package summarizing Phases 1 and 2 of the Municipal Class Environmental Assessment being carried out for proposed expansion of the existing Sarnia Dock Facility (Project) for your information and review.

We would appreciate receiving any comments you may have back to us by no later than **September 26, 2020** so that they can be appropriately considered in the Project. Alternatively, the City is available to meet with the Kettle and Stony Point First Nation to discuss the Project further if interested.

Please contact me at [ian.dobrindt@ghd.com](mailto:ian.dobrindt@ghd.com) or by phone at 416 721 8206 if you have any questions on the attached information or to set up a meeting with the City.

Sincerely,

GHD

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Ian Dobrindt, MCIP, RPP, EP  
Senior EA & Approvals Practice Lead

Encl.

cc: [Jennifer.Penton@ghd.com](mailto:Jennifer.Penton@ghd.com)

[lyle.johnson@sarnia.ca](mailto:lyle.johnson@sarnia.ca)



4 September 2020

Reference No. 11209875

Bkejwanong (Walpole Island First Nation)  
117 Tahgahoning Road,  
Walpole Island, ON  
N8A 4K9

Dear Walpole Island First Nation:

**Re: Sarnia Expanded Dock Facility Class EA – Preliminary Findings Information Package**

The City of Sarnia (City) is proposing to expand their existing dock facility (Mini Dock A) located at the western limit of Exmouth Street to support the Oversized Load Corridor and provide access to the St. Clair River via the Port of Sarnia. With this in mind, please find attached an Information Package summarizing Phases 1 and 2 of the Municipal Class Environmental Assessment being carried out for proposed expansion of the existing Sarnia Dock Facility (Project) for your information and review.

We would appreciate receiving any comments you may have back to us by no later than **September 26, 2020** so that they can be appropriately considered in the Project. Alternatively, the City is available to meet with the Bkejwanong (Walpole Island First Nation) to discuss the Project further if interested.

Please contact me at [ian.dobrindt@ghd.com](mailto:ian.dobrindt@ghd.com) or by phone at 416 721 8206 if you have any questions on the attached information or to set up a meeting with the City.

Sincerely,

GHD

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Ian Dobrindt, MCIP, RPP, EP  
Senior EA & Approvals Practice Lead

Encl.

cc: [Jennifer.Penton@ghd.com](mailto:Jennifer.Penton@ghd.com)  
[lyle.johnson@sarnia.ca](mailto:lyle.johnson@sarnia.ca)

**Attachments**

***Sarnia Expanded Dock Facility Class Environmental Assessment – Preliminary Findings  
Information Package***

*City of Sarnia*

## **1. Introduction**

This information package documents the preliminary findings from carrying out Phases One and Two of the Municipal Class Environmental Assessment (MCEA) for expanding the existing dock facility in the Port of Sarnia (Project) for your review and comments. The Corporation of the City of Sarnia (City) is proposing to expand their existing dock facility (Mini Dock A) located at the western limit of Exmouth Street to support the Oversized Load Corridor (OLC) and provide access to the St. Clair River via the Port of Sarnia (**Figure 1**). The port is actively maintained to conform to current St. Lawrence Seaway shipping standards and has the capacity to handle large loads.

The expanded dock will be able to birth ships up to 35,000 Dry Weight Tonnage (DWT) and will offer a significant increase to the Port of Sarnia's potential client base. The current dredge regimen of the harbour will be maintained, in which maintenance dredging to 8.2 m below Chart Datum is undertaken every five years.

The City is carrying out the Project in support of the OLC. The OLC is a designated protected route on existing roadways connecting fabricators to the Port of Sarnia for the unimpeded import/export and transshipment of oversized product to and from fabricators' locations and Sarnia-Lambton's industrial base.



**Figure 1 Location of Mini Dock A in the Port of Sarnia**

## 2. Municipal Class Environmental Assessment Process

The Project is classified as a Schedule 'B' activity in accordance with the requirements of MCEA<sup>1</sup>. The MCEA provides an approved process whereby specified municipal infrastructure projects can be planned, designed, constructed, operated, maintained, rehabilitated, and retired without having to obtain project-specific approval under the *Ontario Environmental Assessment Act (OEAA)*.

A project classified as Schedule 'B' activity needs to complete Phase 1 (Problem/ Opportunity Statement) and Phase 2 (Alternative Solutions) of the MCEA process including two mandatory points of contact with interested participants. The two points of contact are as follows:

- During Phase 2 of the MCEA so that input can be obtained in identifying the problem or opportunity and alternative solutions and assisting in the selection of the Preferred Solution (first mandatory point of contact)
- During the filing of the Project File Report (PFR) when a Notice of Completion is issued signaling that the MCEA process has been completed (second mandatory point of contact).

This Information Package is being made available to interested participants as part of satisfying the first mandatory point of contact during Phase 2 of the MCEA process.

<sup>1</sup> Municipal Engineers Association, Municipal Class Environmental Assessment, October 2000 (as amended in 2007, 2011 and 2015).

In addition, the Impact Assessment Agency of Canada has confirmed through correspondence that the Project is not subject to the Federal *Impact Assessment Act*.

### **3. Phase 1: Problem/ Opportunity**

As stated, the City is carrying out the Project in support of the OLC (Error! Reference source not found.). One of the City's primary mandates is to ensure that infrastructure, including roads and ports, are suitable for existing and future industry to grow and prosper. This will facilitate economic growth and increase exports. As this occurs, high skilled/highly paying jobs will be retained, and added, generating tax revenues for the municipal, provincial and federal governments so that all Canadians will benefit. The establishment of an OLC utilizing existing roads and the expansion of the dock facility will fulfill this mandate.

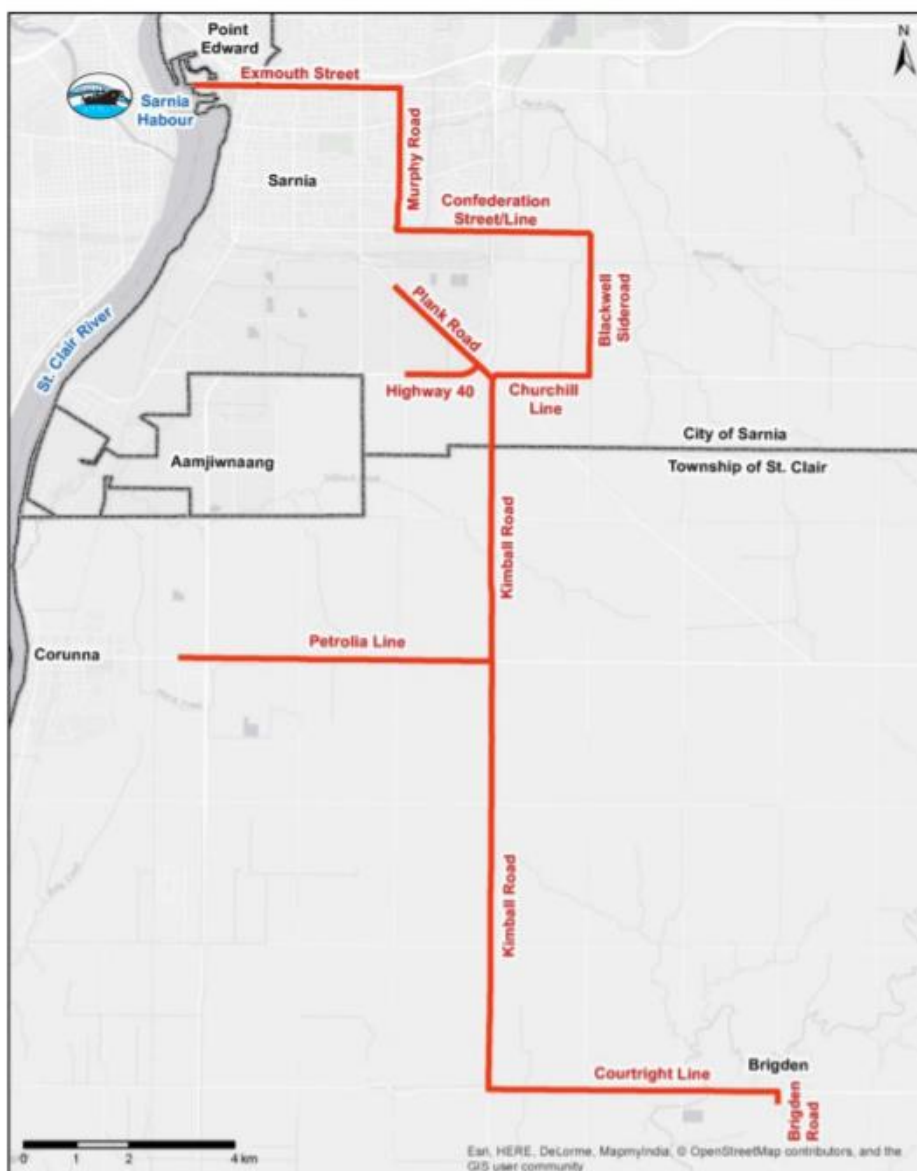
The OLC and expanded dock facility will improve the competitiveness of local fabricators and large industry by reducing shipping costs, create new jobs, and increase the potential for the export of valuable locally manufactured vessels, reactors and modules.

The OLC is in partnership with the City of Sarnia, the County of Lambton, St. Clair Township, and the Sarnia-Lambton Industrial Alliance (SLIA) and has received broad local support from the following:

- Sarnia-Lambton Economic Partnership (SLEP)
- Sarnia Lambton Chamber of Commerce
- Sarnia & District Labour Council
- Large Petrochemical and Refining Industries throughout Sarnia-Lambton
- Local Fabrication and Manufacturing Private Industries

#### ***Problem/ Opportunity Statement***

The existing dock facilities were not designed or constructed to accommodate the loading and unloading of large equipment. This requires temporary accommodations and limits the type and number of pieces that can currently be handled in each load. The Project will provide direct and cost effective access to the waterways of the Great Lakes and St. Lawrence Seaway system providing fabricators and constructors cost competitive transport to National and International markets directly supporting the "Making Ontario Open for Business" campaign.



**Figure 2 The Oversized Load Corridor Route**

## 4. Phase 2: Alternative Solutions

Three alternatives were established based on the loading/unloading methods that are specific to the oversized loads that will be transported from the Sarnia Harbour.

### 4.1 Alternative No. 1 Do Nothing

No changes to the existing dock facilities in the Sarnia Port would be undertaken to allow the unimpeded import/export and transshipment of oversized product to and from fabricators' locations and Sarnia-Lambton's industrial base.

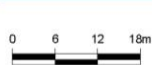
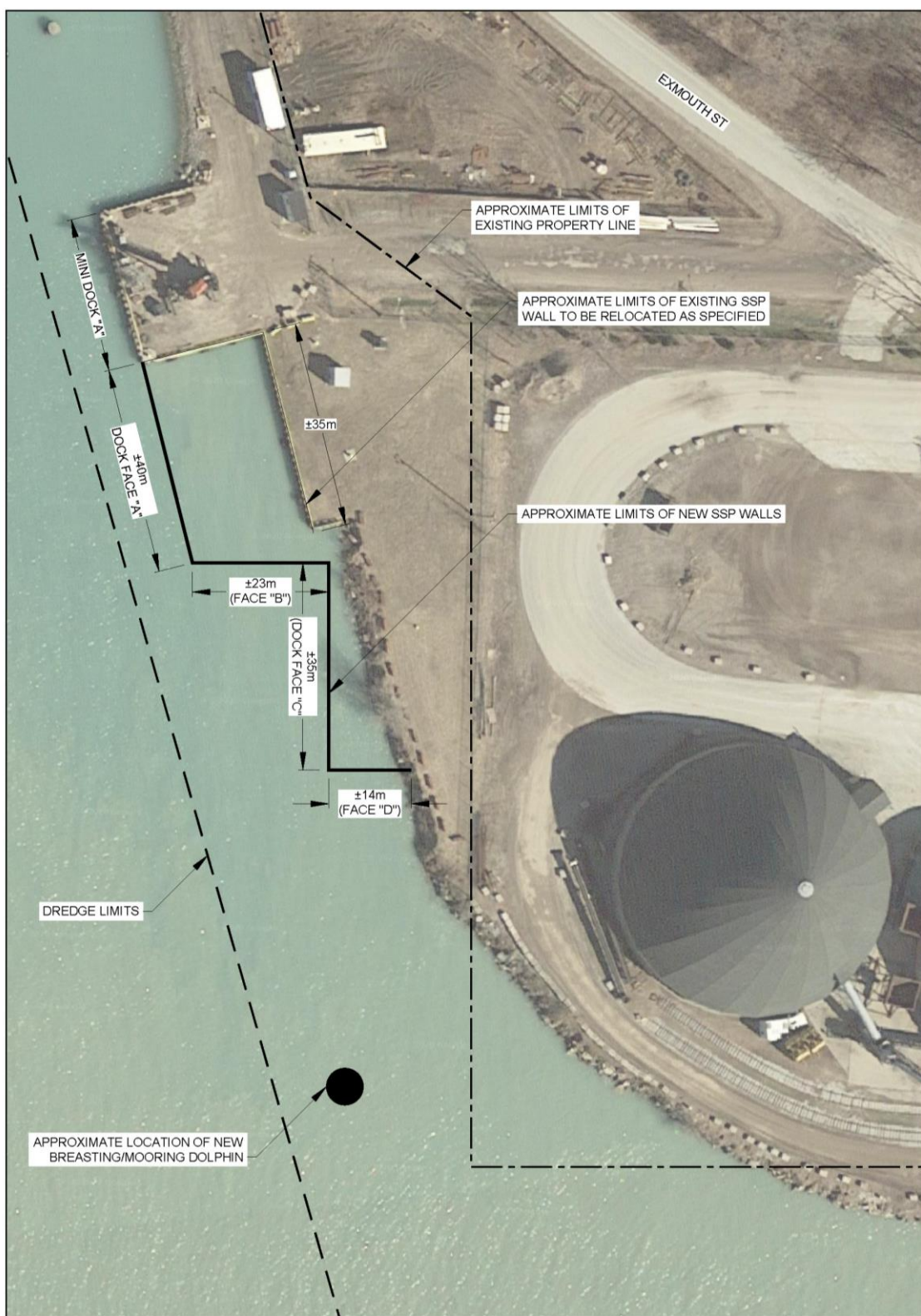
As per the MCEA, the "Do Nothing" alternative has been included for consideration because it provides a benchmark against which the benefits/consequences of the other alternatives can be measured.



## 4.2 Alternative No. 2 Expand Dock Facility

Expanding Mini Dock A would address the purpose of the Project allowing the unimpeded import/export and transshipment of oversized product to and from fabricators' locations and Sarnia-Lambton's industrial base. Mini Dock A was identified as the potential dock to expand for a number of reasons. First, Exmouth Street leads straight to Mini Dock A. The other mini dock locations would require the extension of Exmouth Street resulting in additional Project costs. In addition, the extension of Exmouth Street to all of the other mini dock locations would require a 90 degree turn to be made, which is not ideal for oversized vehicles. Furthermore, Mini Dock A is the closest dock to the shipping channel (other docks are further north); and therefore, will require the least amount of maintenance dredging. The expansion of an existing dock would provide a cost effective solution, which is technically feasible to implement, and would result in a shorter construction timeline compared to constructing a new dock facility.

The expanded dock facility would include a living shoreline aspect, mooring facilities, storage area, and laydown areas suitable for ship to shore loading/offloading and roll on/roll off barge loading. All of the proposed works would be situated within the City's existing property limits. The dock would attain an additional 112 meter (m) of dock face, offering approximately 1,400 square metres (m<sup>2</sup>) of additional shipping and storage area based on the proposed expansion (**Figure 3**).



CITY OF SARNIA  
SARNIA LAMBTON OVERSIZED LOAD CORRIDOR  
DOCK FACILITY ENGINEERING SERVICES

11209875-02  
May 4, 2020

**ALTERNATIVE No.2 EXPAND DOCK FACILITY**

**FIGURE 3**

CAD File: P:\drawings\11209000s\11209875\11209875-02(PRES001)\11209875-02(PRES001)\GN\11209875-02(PRES001)\GN-WA001.dwg

**Figure 3 Alternative No. 2 Expand Dock Facility**

### 4.3 Alternative No. 3 Construct New Dock Facility

Construction of a new dock facility would address the purpose of the Project allowing the unimpeded import/export and transshipment of oversized product to and from fabricators' locations and Sarnia-Lambton's industrial base. However, the alternative would have relatively high capital costs and would propose technical difficulties because there is limited space in the Sarnia Port for the construction of a new dock facility designed to accommodate ships of 35 000 DWT (**Figure 4**).

The only feasible way of implementing this alternative would be the removal of Mini Dock A, to make room for the construction of the new dock facility, which would not be cost effective because the existing dock facilities are structural sound. In addition, the alternative would have a longer construction period compared to the expansion of an existing dock facility, which would prolong the implementation of OLC and the positive benefits that it will have on local industries. Furthermore, the alternative would generate demolition waste through the removal of the existing dock facility.

### 4.4 Environment Potentially Affected

With the preceding alternatives in mind, a brief description of the potentially affected environment is provided based on existing available information sources reviewed and field investigations carried out (e.g., terrestrial and aquatic environmental investigation, geotechnical investigation, bathymetric and topographic studies). The description is based on addressing all aspects of the "environment" as defined by the OEAA: natural, built, economic, social, and cultural.

#### **Natural Environment**

##### *Aquatic*

The Sarnia Dock Facility is located within the Port Sarnia (harbour) which is identified by the Ministry of Natural Resources and Forestry (MNRF) Aquatic Resource Area Data as non sensitive for fish and fish habitat. Communication with MNRF confirmed that they did not have any record of known spawning/rearing/refuge/feeding habitats within the Project area. In addition, MNRF provided a fish community summary consisting of the following for the general Project vicinity: bluegill, bluntnose minnow, brook silverside, chinook salmon, common carp, common shiner, emerald shiner, freshwater drum, gizzard shad, golden shiner, largemouth bass, logperch, *Moxostoma sp.*, Northern pike, rainbow trout, rock bass, round goby, smallmouth bass, spottail shiner, spotted sucker, tubenose goby, white perch, white sucker, and yellow perch.

This section of the St. Clair River is within a warm water thermal regime with a Restricted In-Water Work Timing Window of March 15 to July 15. Every five years, the harbour is dredged to the maintained dredge depth of 8.2 meters below Char Datum (IGLD 1985). Site observations found that habitat diversity within the Project footprint was minimal, as a result of the regular disturbance.

Federal aquatic Species at Risk (SAR) listed as potentially within the broader Lake Huron/St. Clair River area, which includes the Port of Sarnia consist of the following: silver lamprey (Special Concern), spotted sucker (Special Concern), Northern madtom (Endangered) and channel darter (Endangered). However, communication with Department of Fisheries and Oceans, Canada (DFO) has confirmed that there is no "critical habitat" present within the broader area including within the immediate vicinity of the existing dock facility.

In addition, there are Provincial aquatic SAR records within the Natural Heritage Information Centre grid block (1 km<sup>2</sup>) that encompasses the existing dock facility. These include the spotted sucker (Special

Concern) and wavy-rayed lampmussel (Threatened). Confirmation of these records through communication with Ministry of Environment, Conservation and Parks (MECP) is pending.

#### *Terrestrial*

The majority of the study area is disturbed with limited terrestrial habitat. The limited habitat present is not believed to provide appropriate habitat for SAR. There are no provincially significant wetlands (PSWs) or areas of natural scientific interest (ANSI) within 120 m of the study area.

#### *Built Environment*

The existing facilities within Sarnia's Winter Basin consist of two mini docks and four piers. Exmouth Street begins at the Bridgeview Marina to the north and follows the facility south along the shore. At Mini Dock A the street turns east. Exmouth Street is the end of the OLC. East of the dock facility is the Cargill Sarnia Grain Terminal.

#### *Economic Environment*

As stated in Section 3, the proposed dock facility expansion is an integral part of the OLC and has the opportunity to improve the economic environment revenue of Sarnia-Lambton fabricators by an estimated \$9.5 million and provide an estimated 2613 new jobs.

#### *Social Environment*

The Sarnia Dock Facility is within the industrial area of the Sarnia Port. As such, there are no residences in the area that would be potentially affected by construction.

#### *Cultural Environment*

Considering that maintenance dredging takes place approximately every five years at the harbour, it is not anticipated that any archaeological findings would be discovered from any dock construction activities. It is unlikely that archeological findings of relevance would be buried within the reaches of the dock footprint and dredging depth, as the sediment down to the desired depth has been transported downstream from the river and as such is relatively young sediment.



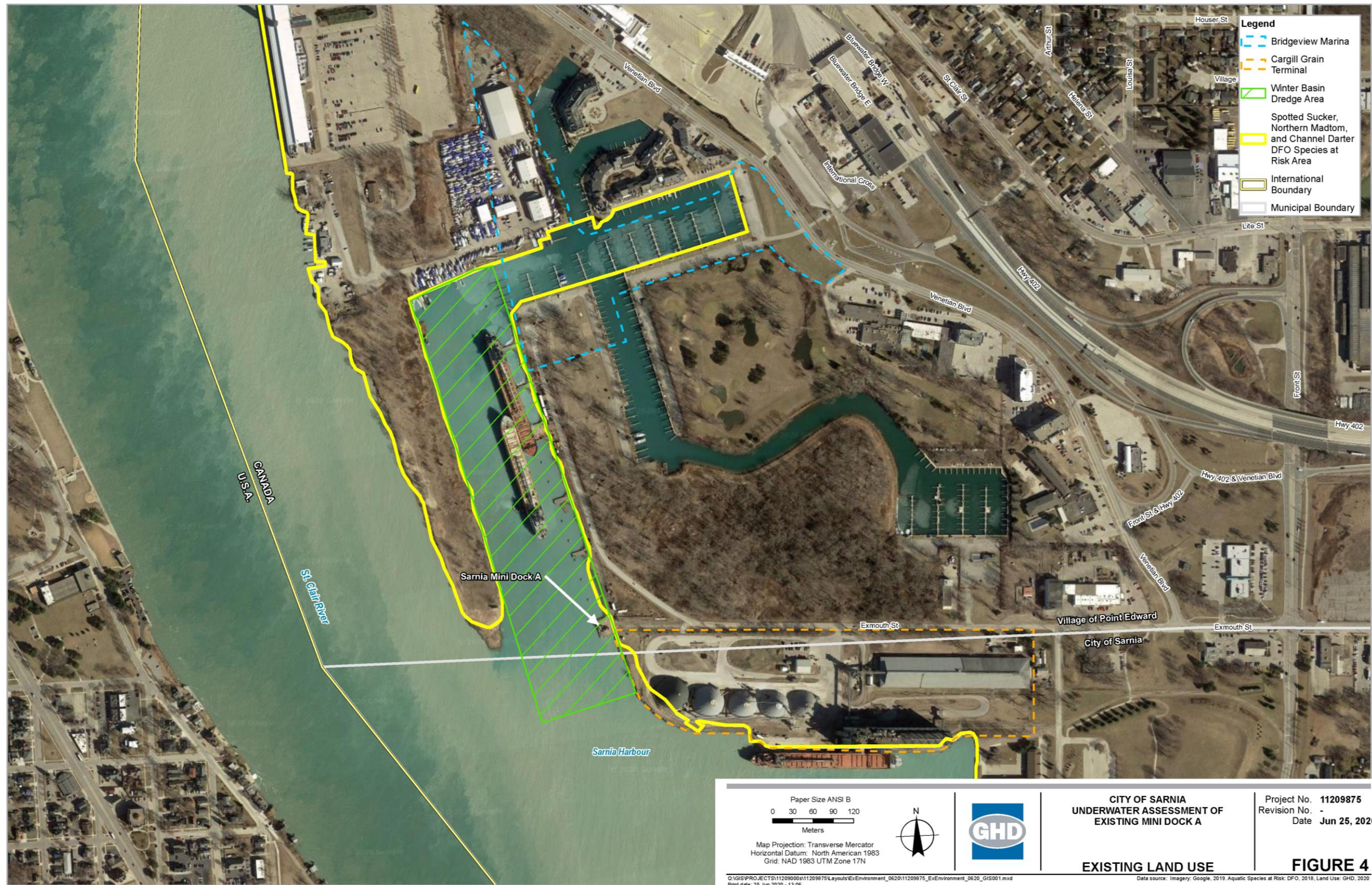


Figure 4 Existing Land Uses



#### 4.5 Evaluation Summary and Recommended Solution

The three alternatives were comparatively evaluated according to seven categories including technical, financial plus those aspects of the environment as defined in the OEAA (e.g., natural, built, etc.). Rankings were applied to each alternative (i.e., Most Preferred, Moderately Preferred or Least Preferred (includes Ties)) by individual category (i.e., Technical, Natural Environment, Built Environment, Social Environment, Economic Environment, Cultural Environment, and Financial). Table 1 summarizes the results of this preliminary comparative evaluation.

**Table 4.1 Summary of the Preliminary Comparative Evaluation of Alternatives**

Category	Alternative No. 1 Do Nothing	Alternative No. 2 Expand Existing Dock Facility	Alternative No. 3 Construct New Dock Facility
Technical	<ul style="list-style-type: none"> <li>- Does not accommodate the shipment of oversized loads</li> </ul>	<ul style="list-style-type: none"> <li>- Accommodates the shipment of oversized loads</li> <li>- Shorter construction period</li> </ul>	<ul style="list-style-type: none"> <li>- Accommodates the shipment of oversized loads</li> <li>- Longer construction period</li> </ul>
Natural Environment	<ul style="list-style-type: none"> <li>- No potential adverse effects</li> </ul>	<ul style="list-style-type: none"> <li>- In water constructing works, however expanded dock facility footprint within existing maintenance dredging area</li> <li>- Potential for adverse effects to aquatic Species at Risk</li> </ul>	<ul style="list-style-type: none"> <li>- In water demolition and construction works</li> <li>- Potential for adverse effects to aquatic Species at Risk</li> </ul>
Built Environment	<ul style="list-style-type: none"> <li>- No potential adverse effects</li> </ul>	<ul style="list-style-type: none"> <li>- Existing dock facility maintained</li> </ul>	<ul style="list-style-type: none"> <li>- Demolition of an existing dock facility and potential for adverse related environmental effects</li> </ul>
Social Environment	<ul style="list-style-type: none"> <li>- No potential adverse effects</li> </ul>	<ul style="list-style-type: none"> <li>- No potential adverse effects</li> </ul>	<ul style="list-style-type: none"> <li>- No potential adverse effects</li> </ul>
Economic Environment	<ul style="list-style-type: none"> <li>- Does not reduce shipping costs</li> <li>- Does not generate any new revenue</li> <li>- Does not create any new jobs</li> </ul>	<ul style="list-style-type: none"> <li>- Reduces shipping costs</li> <li>- Generates revenue of approximately \$9.5 million</li> <li>- Creates an estimated 2613 new jobs</li> </ul>	<ul style="list-style-type: none"> <li>- Reduces shipping costs</li> <li>- Generates revenue of approximately \$9.5 million</li> <li>- Creates an estimated 2613 new jobs</li> </ul>
Cultural Environment	<ul style="list-style-type: none"> <li>- No potential adverse effects</li> </ul>	<ul style="list-style-type: none"> <li>- No potential adverse effects</li> </ul>	<ul style="list-style-type: none"> <li>- No potential adverse effects</li> </ul>

Category	Alternative No. 1 Do Nothing	Alternative No. 2 Expand Existing Dock Facility	Alternative No. 3 Construct New Dock Facility
Financial	- No capital costs	- Lower capital costs	- Higher capital costs
Recommendation	<p><b>Alternative No. 2: Expand Existing Dock Facility</b> was selected as the <b>Recommended Solution</b> because it is the only Alternative to rank either Most Preferred or Moderately Preferred in every evaluation category. Expanding the Existing Dock Facility would accommodate the shipment of oversized loads in order to support the OLC unlike the 'Do Nothing' alternative and has a shorter construction timeline than constructing a new dock facility.</p> <p>Alternative No. 2 has limited effects to the Natural Environment due to the continuous disturbance of Sarnia Port's Winter Basin (including maintenance dredging activities). Alternative No. 2 is able to maintain the existing dock facility unlike Alternative No. 3, which requires its demolition.</p> <p>The economic benefits of the project, including the generation of an estimated \$9.5 million in revenues and the creation of approximately 2613 new jobs will be realized with Alternative No. 2 because it is able to accommodate the shipment of oversized loads unlike the Do Nothing alternative. Finally, expanding the existing dock facility will have lower capital costs compared to constructing a new dock facility.</p>		

Ranking Legend	
Most Preferred	
Moderately Preferred	
Least Preferred	

## 5. Next Steps

As mentioned, this Information Package is being provided to interested participants as part of satisfying the first mandatory point of contact during Phase 2 of the MCEA process. In particular, the City is looking for input back from those notified as part of identifying the problem/opportunity and alternative solutions and assisting in the selection of the Preferred Solution. With this in mind, the City is planning to carry out the following steps over the next several months:

- Review input received
- Issue responses to those participants who provided input
- Consider the input received in order to finalize the problem/opportunity and alternative solutions and select the Preferred Solution
- Prepare the Project File Report (PFR)



- Issue the Notice of Completion and file the PFR for the 30 calendar day review period

## COMMENTS

Consultation is an important part of the MCEA process and we want to hear from you. With this in mind, please feel free to contact the following project team member if you would like to provide comments, request additional information, and/or be added to the participant mailing list to receive future project-related notifications directly:

Ian Dobrindt, MCIP, RPP, EP  
Senior Environmental Planner  
GHD Limited  
140 Allstate Parkway, Unit 210  
Markham Ontario L3R 5Y8  
Phone: 416 721 8206  
Email: [Ian.Dobrindt@ghd.com](mailto:Ian.Dobrindt@ghd.com)

All personal information included in a submission – such as name, address, telephone number and property location – is collected, maintained and disclosed by the Ministry of the Environment, Conservation and Parks for the purpose of transparency and consultation. The information is collected under the authority of the *Environmental Assessment Act* or is collected and maintained for the purpose of creating a record that is available to the general public as described in s.37 of the *Freedom of Information and Protection of Privacy Act* (FIPPA). Personal information you submit will become part of a public record that is available to the general public unless you request that your personal information remain confidential. For more information, please contact the Ministry of the Environment, Conservation and Parks' Freedom of Information and Privacy Coordinator at (416) 327-1434.

## Bhavika Laxman

---

**From:** Bhavika Laxman  
**Sent:** Friday, 9 October 2020 11:03 AM  
**To:** fburch@cottfn.com  
**Cc:** kriley@cottfn.com; Lyle Johnson; Jennifer Penton  
**Subject:** RE: Sarnia Expanded Dock Facility Class Environmental Assessment - Information Package  
**Attachments:** 11209875\_Chippewas of the Thames First Nation\_response.pdf

**CompleteRepository:** 11209875  
**Description:** Sarnia Dock Facility Services  
**JobNo:** 11209875  
**OperatingCentre:** 662  
**RepoEmail:** 11209875@ghd.com  
**RepoType:** Project

Good morning Fallon,

Thank you for the Chippewas of the Thames First Nation's comments provided on September 29 on the proposed expansion of the Sarnia Dock Facility. On behalf of Ian Dobrindt, please find attached our response.

If you have any further comments or concerns please do not hesitate to reach out.

Kind regards,

**Bhavika Laxman**

**BEnvMan Honours (Sustainable Development)**

**Environmental Planner**

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T: 416 866 2357 | V: 886357 | E: [bhavika.laxman@ghd.com](mailto:bhavika.laxman@ghd.com)  
184 Front Street East Suite 302 Toronto Ontario M5A 4N3 Canada | [www.ghd.com](http://www.ghd.com)

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**From:** Fallon Burch <[fburch@cottfn.com](mailto:fburch@cottfn.com)>  
**Sent:** Tuesday, September 29, 2020 4:11 PM  
**To:** Ian Dobrindt <[ian.Dobrindt@ghd.com](mailto:ian.Dobrindt@ghd.com)>  
**Cc:** Kelly Riley <[kriley@cottfn.com](mailto:kriley@cottfn.com)>; [lyle.johnson@sarnia.ca](mailto:lyle.johnson@sarnia.ca)  
**Subject:** RE: Sarnia Expanded Dock Facility Class Environmental Assessment - Information Package

Good afternoon,

As you may or may not know, the Chippewas of the Thames First Nation Administration Office has re-opened as of September 8<sup>th</sup>. The office remains closed to the public until further notice.

Attached you will find a response in regards to the aforementioned project on behalf of Chippewas of the Thames First Nation.

If you have any questions, please feel free to contact me via email at this time as I continue to work from at this time.

Thank you,



**Fallon Burch**

**Consultation Coordinator, Chippewas of the Thames First Nation**

**320 Chippewa Rd Muncey, ON N0L 1Y0 | 519-289-5555 | [www.cottfn.com/consultation](http://www.cottfn.com/consultation)**

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**From:** Kelly Riley <[kriley@cottfn.com](mailto:kriley@cottfn.com)>

**Sent:** September 7, 2020 11:41 PM

**To:** Rochelle Smith <[rsmith@cottfn.com](mailto:rsmith@cottfn.com)>; Fallon Burch <[fburch@cottfn.com](mailto:fburch@cottfn.com)>

**Subject:** FW: Sarnia Expanded Dock Facility Class Environmental Assessment - Information Package

Hi Rochelle& Fallon

Mike forwarded this to me and asked that we review it.

Kind Regards



**Kelly Riley**

**Director of Treaties, Lands & Environment Department Chippewas of the Thames First Nation**

**320 Chippewa Rd Muncey, ON N0L 1Y0 | 519-289-5555 | [www.cottfn.com](http://www.cottfn.com)**

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**From:** Mike Deleary <[mike.deleary@cottfn.com](mailto:mike.deleary@cottfn.com)>

**Sent:** September 7, 2020 10:44 PM

**To:** Kelly Riley <[kriley@cottfn.com](mailto:kriley@cottfn.com)>

**Subject:** FW: Sarnia Expanded Dock Facility Class Environmental Assessment - Information Package

Hi Kelly,

Can you take a look at this and forward to your team. Please let me know once you have discussed it and have a response, thank you.

---

**From:** Jacqueline French <[jfrench@cottfn.com](mailto:jfrench@cottfn.com)>

**Sent:** September 4, 2020 2:28 PM

**To:** Mike Deleary <[mike.deleary@cottfn.com](mailto:mike.deleary@cottfn.com)>

**Subject:** Fwd: Sarnia Expanded Dock Facility Class Environmental Assessment - Information Package

Mike,

Can you forward to appropriate staff?

Thank you

Chief Jacqueline French

Sent from my iPad

Begin forwarded message:

**From:** Bhavika Laxman <[Bhavika.Laxman@ghd.com](mailto:Bhavika.Laxman@ghd.com)>  
**Date:** September 4, 2020 at 10:13:03 AM EDT  
**To:** "jfrench@cottfn.com" <[jfrench@cottfn.com](mailto:jfrench@cottfn.com)>  
**Cc:** Ian Dobrindt <[ian.Dobrindt@ghd.com](mailto:ian.Dobrindt@ghd.com)>, Jennifer Penton <[Jennifer.Penton@ghd.com](mailto:Jennifer.Penton@ghd.com)>, Lyle Johnson <[lyle.johnson@sarnia.ca](mailto:lyle.johnson@sarnia.ca)>  
**Subject:** Sarnia Expanded Dock Facility Class Environmental Assessment - Information Package

Good morning Jacqueline,

On behalf of the City of Sarnia, please find attached an Information Package summarizing Phases 1 and 2 of the Municipal Class Environmental Assessment being carried out for proposed expansion of the existing Sarnia Dock Facility (Project) for your information and review.

Please contact Ian Dobrindt at [ian.dobrindt@ghd.com](mailto:ian.dobrindt@ghd.com) or by phone at 416 721 8206 if you have any questions on the attached information.

Thank-you.

**Bhavika Laxman**

**BEnvMan Honours (Sustainable Development)**

**Environmental Planner**

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T: 416 866 2357 | V: 886357 | E: [bhavika.laxman@ghd.com](mailto:bhavika.laxman@ghd.com)  
184 Front Street East Suite 302 Toronto Ontario M5A 4N3 Canada | [www.ghd.com](http://www.ghd.com)

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9 October 2020

Reference No. 11209875

Fallon Burch  
Chippewas of the Thames First Nation  
320 Chippewa Road,  
Mucey, ON  
N0L 1Y0  
[fburch@cottfn.com](mailto:fburch@cottfn.com)

Dear Fallon Burch:

**Re: Sarnia Expanded Dock Facility Class EA  
Response to Chippewas of the Thames First Nation's Comments**

Thank you for the Chippewas of the Thames First Nation's comments provided in your September 29, 2020 email on the proposed expansion of the Sarnia Dock Facility (the Project).

As per your comments, we will inform the Chippewas of the Thames First Nation of any substantive changes to the Project. In addition, we have reviewed the Chippewas of the Thames First Nation's Consultation Protocol (2016) to ensure that appropriate consultation is undertaken for the Project.

For your information, the City of Sarnia will pay your invoice 0051 directly.

We look forward to continuing this open line of communication and positive working relationship with the Chippewas of the Thames First Nation on the Project.

Sincerely,

GHD

A handwritten signature in blue ink, appearing to read 'Ian Dobrindt', with a stylized flourish extending to the right.

Ian Dobrindt, MCIP, RPP, EP  
Senior EA & Approvals Practice Lead

Encl.

cc: [Jennifer.Penton@ghd.com](mailto:Jennifer.Penton@ghd.com)  
[lyle.johnson@sarnia.ca](mailto:lyle.johnson@sarnia.ca)

## Bhavika Laxman

---

**From:** Ian Dobrindt  
**Sent:** Friday, 30 October 2020 2:52 PM  
**To:** Micheal Lascelles  
**Subject:** RE: Sarnia Expanded Dock Facility Class Environmental Assessment - Information Package

**CompleteRepository** 11209875  
**Description:** Sarnia Dock Facility Services  
**JobNo:** 11209875  
**OperatingCentre:** 662  
**RepoEmail:** 11209875@ghd.com  
**RepoType:** Project

Great – thx Micheal – much appreciated.

Take care.

**Ian Dobrindt, MCIP, RPP, EP**  
**Senior EA & Approvals Practice Lead**

### GHD

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M: +1 416 721 8206 | E: [ian.dobrindt@ghd.com](mailto:ian.dobrindt@ghd.com)

140 Allstate Parkway Suite 210 Markham, Ontario L3R 5Y8 Canada | [www.ghd.com](http://www.ghd.com)

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**From:** Micheal Lascelles <[mlascelles@aamjiwnaang.ca](mailto:mlascelles@aamjiwnaang.ca)>  
**Sent:** Friday, October 30, 2020 2:41 PM  
**To:** Ian Dobrindt <[Ian.Dobrindt@ghd.com](mailto:Ian.Dobrindt@ghd.com)>  
**Subject:** RE: Sarnia Expanded Dock Facility Class Environmental Assessment - Information Package

Hello Ian,

I will respond to you as soon as I am able. Kind Regards, Micheal

Micheal Lascelles, Band Manager

Aamjiwnaang First Nation  
978 Tashmoo Avenue | Sarnia, ON N7T 7H5

519 336 8410 – Main, ext. 288

226 224 4569 – Cell / Text

[www.aamjiwnaang.ca](http://www.aamjiwnaang.ca)

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---

**From:** Ian Dobrindt <[Ian.Dobrindt@ghd.com](mailto:Ian.Dobrindt@ghd.com)>  
**Sent:** October 30, 2020 2:33 PM

**To:** Micheal Lascelles <[mlascelles@aamjiwnaang.ca](mailto:mlascelles@aamjiwnaang.ca)>

**Subject:** FW: Sarnia Expanded Dock Facility Class Environmental Assessment - Information Package

Hi again Micheal

As requested during our phone conversation this afternoon, please find attached the Project's information package for your information/review.

Please note it was sent off to Sharilyn.

Thx.

**Ian Dobrindt, MCIP, RPP, EP**  
**Senior EA & Approvals Practice Lead**

**GHD**

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M: +1 416 721 8206 | E: [ian.dobrindt@ghd.com](mailto:ian.dobrindt@ghd.com)

140 Allstate Parkway Suite 210 Markham, Ontario L3R 5Y8 Canada | [www.ghd.com](http://www.ghd.com)

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**From:** Bhavika Laxman <[Bhavika.Laxman@ghd.com](mailto:Bhavika.Laxman@ghd.com)>

**Sent:** Friday, October 30, 2020 1:58 PM

**To:** [sjohnston@aamjiwnaang.ca](mailto:sjohnston@aamjiwnaang.ca)

**Cc:** Ian Dobrindt <[ian.dobrindt@ghd.com](mailto:ian.dobrindt@ghd.com)>; Jennifer Penton <[Jennifer.Penton@ghd.com](mailto:Jennifer.Penton@ghd.com)>; Lyle Johnson <[lyle.johnson@sarnia.ca](mailto:lyle.johnson@sarnia.ca)>

**Subject:** Sarnia Expanded Dock Facility Class Environmental Assessment - Information Package

Good afternoon Sharilyn,

On behalf of the City of Sarnia, please find attached the Information Package summarizing Phases 1 and 2 of the Municipal Class Environmental Assessment (MCEA) process being carried out for proposed expansion of the existing Sarnia Dock Facility (Project) for your information and review. The information package was sent out via registered mail to the Aamjiwanaang First Nation on September 4, 2020 and to Chief Chris Plain via email on the same day as part of the MCEA process. We have received no reply to date. As a result, although we have reached out to Chief Chris Plain, Transport Canada's Aboriginal Consultations group recommended that we follow up with you directly.

Please provide us with any comments you may have as soon as you can so we can take them into consideration as part of the Project.

In the meantime, please contact Ian Dobrindt at [ian.dobrindt@ghd.com](mailto:ian.dobrindt@ghd.com) or by phone at 416 721 8206. if you have any questions on the attached information.

Thank-you.

**Bhavika Laxman**

**BEnvMan Honours (Sustainable Development)**

**Environmental Planner**

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T: 416 866 2357 | V: 886357 | E: [bhavika.laxman@ghd.com](mailto:bhavika.laxman@ghd.com)

184 Front Street East Suite 302 Toronto Ontario M5A 4N3 Canada | [www.ghd.com](http://www.ghd.com)



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