

Appendix “B”

DISPOSAL AT SEA PERMIT



Environmental Stewardship Branch
6 Bruce Street
Mount Pearl NL A1N 4T3

Our Files: 4543-2-6935
4543-2-6936

March 28, 2017

Mr. Ryan McGuire
Project Manager
Public Works and Government Services Canada
P.O. Box 1268
Charlottetown, PEI C1A 7M8

Dear Mr. McGuire:

Re: Disposal at Sea Permits for DFO SCH's 2017 Maintenance Dredging Program, PEI

Enclosed please find Disposal at Sea Permits 4543-2-6935 and 4543-2-6936 authorizing the disposal of dredged sediment from various DFO Small Craft Harbour Facilities on Prince Edward Island. We have also included a copy of the *PEI Disposal Site Management Plan: 2017 Map Book and Mitigation* document referenced in Conditions 4, 5 and 14 of the Permits. This document should be provided to your contractor(s) along with the Permits.

Please be aware that condition 13.3 of the permit has been modified. The final report will now need to include the total number of hours of night dredging conducted at each loading site.

Please note that the granting of the Permits does not release you from the need to comply with any act, regulation, or by-law that may apply to the proposed activities.

If you wish to discuss any aspect of your Permits, please contact me at (709) 772-2161 or natasha.boyd@canada.ca.

Yours truly,

Natasha Boyd
Permit Officer
EPOD Atlantic

Enclosures

cc: K. Power, M. Dalton, J. Forrester (PWGSC)



Department of the Environment
Canadian Environmental Protection Act, 1999

Notice is hereby given that, pursuant to section 127 of the *Canadian Environmental Protection Act, 1999* (CEPA 1999), Disposal at Sea Permit No. 4543-2-06936 authorizing the loading for disposal and the disposal of waste or other matter at sea is approved. The permit is published on the CEPA Registry on Tuesday, March 21, 2017.

1. *Permittee*: Department of Public Works and Government Services, Charlottetown, Prince Edward Island.
2. *Waste or other matter to be disposed of*: Dredged material.
 - 2.1. *Nature of waste or other matter*: Dredged material consisting of gravel, sand, silt and clay.
3. *Duration of permit*: Permit is valid from April 1, 2017, to March 31, 2018.
4. *Loading site(s)*:
 - (a) Covehead Harbour, Prince Edward Island, at approximately 46.43273° N, 63.14635° W North American Datum of 1983 (NAD83);
 - (b) Darnley Basin (Malpeque), Prince Edward Island, at approximately 46.56083° N, 63.69333° W (NAD83);
 - (c) Fishing Cove, Prince Edward Island, at approximately 46.40727° N, 64.13510° W (NAD83);
 - (d) Hardys Channel, Prince Edward Island, at approximately 46.65362° N, 63.86050° W (NAD83);
 - (e) Howards Cove, Prince Edward Island, at approximately 46.73963° N, 64.37935° W (NAD83);
 - (f) New London Harbour, Prince Edward Island, at approximately 46.50450° N, 63.47050° W (NAD83);
 - (g) North Rustico Harbour, Prince Edward Island, at approximately 46.45683° N, 63.28638° W (NAD83);
 - (h) Skinners Pond, Prince Edward Island, at approximately 46.96617° N, 64.12600° W (NAD83); and

(i) West Point Harbour, Prince Edward Island, at approximately 46.61827° N, 64.37150° W (NAD83),

as described in the document titled "PEI Disposal Site Management Plan: 2017 Map Book and Mitigation".

5. *Disposal site(s)*:

(a) Covehead, Prince Edward Island - Site A, 46.43230° N, 63.14355° W (NAD83);

(b) Covehead, Prince Edward Island - Site B, 46.43117° N, 63.14517° W (NAD83);

(c) Darnley Basin, Prince Edward Island, bound by 46.56399° N, 63.70386° W; 46.56409° N, 63.68729° W; 46.56095° N, 63.70424° W; 46.55813° N, 63.68904° W; 46.55697° N, 63.68781° W; and 46.55681° N, 63.68522° W (NAD83);

(d) Fishing Cove (Cape Egmont), Prince Edward Island – Site A, 46.40727° N, 64.13510° W (NAD83);

(e) Fishing Cove (Cape Egmont), Prince Edward Island – Site B, 46.40207° N, 64.13510° W (NAD83);

(f) Hardys Channel, Prince Edward Island, 46.65150° N, 63.85910° W (NAD83);

(g) Howards Cove, Prince Edward Island, 46.73832° N, 64.38007° W (NAD83);

(h) New London Harbour, Prince Edward Island, at approximately 46.50450° N, 63.47050° W (NAD83);

(i) North Rustico Harbour, Prince Edward Island, at approximately 46.45500° N, 63.28700° W (NAD83);

(j) Skinners Pond, Prince Edward Island, 46.96401° N, 64.12967° W (NAD83); and

(k) West Point, Prince Edward Island, 46.62017° N, 64.37050° W (NAD83),

as described in the document titled "PEI Disposal Site Management Plan: 2017 Map Book and Mitigation" submitted in support of the permit application.

6. *Method of loading*: Dredging will be carried out using a suction dredge, a barge-mounted excavator or land-based heavy equipment.

7. *Route to disposal site(s) and method of transport*: Most direct route from the loading site to the disposal site via pipeline, dump trucks or sidcasting.

8. *Method of disposal*: Disposal will be carried out by pipeline, dump trucks, or sidecasting.

9. *Total quantity to be disposed of*:

(a) Covehead: Not to exceed 10 000 cubic metres, place measure.

(b) Darnley Basin: Not to exceed 45 000 cubic metres, place measure.

(c) Fishing Cove: Not to exceed 10 000 cubic metres, place measure.

(d) Hardys Channel: Not to exceed 10 000 cubic metres, place measure.

(e) Howards Cove: Not to exceed 10 000 cubic metres, place measure.

(f) New London: Not to exceed 10 000 cubic metres, place measure.

(g) North Rustico: Not to exceed 15 000 cubic metres, place measure.

(h) Skinners Pond: Not to exceed 10 000 cubic metres, place measure.

(i) West Point: Not to exceed 10 000 cubic metres, place measure.

9.1. The Permittee shall submit the procedures to measure or estimate quantities of dredged material disposed of at each disposal site to Ms. Natasha Boyd, identified in paragraph 13.1.(a). The Department of the Environment shall approve the procedures prior to the commencement of the first dredging operation to be conducted under this permit.

10. *Fees*: The fee prescribed by the *Disposal at Sea Permit Fee Regulations* shall be paid by the Permittee in accordance with those regulations.

11. *Inspection*: By accepting this permit, the Permittee and its contractors accept that they are subject to inspection pursuant to Part 10 of CEPA 1999.

12. *Contractors*:

12.1. The loading or disposal at sea referred to under this permit shall not be carried out by any person without written authorization from the Permittee.

12.2. The Permittee shall ensure that all persons involved in the loading, transport or disposal activities authorized by this permit conduct these activities in accordance with the relevant permit conditions.

13. *Reporting and notification*:

13.1. The Permittee shall provide the following information no later than 48 hours before loading and disposal activities commence and no sooner than 7 days before loading and disposal activities commence: name of the contractor, including corporate and on-site contact information; and expected period of loading and disposal activities. The above-noted information shall be submitted to

(a) Ms. Natasha Boyd, Environmental Protection Operations Directorate, Department of the Environment, Atlantic Region, 6 Bruce Street, Mount Pearl, NL A1M 3E7, 709-772-5097 (fax), natasha.boyd@canada.ca (email);

(b) Mr. Mark Dalton, Environmental Enforcement Directorate, Department of the Environment, Atlantic Region, Queen Square, 16th Floor, 45 Alderney Drive, Dartmouth, NS B2Y 2N6, 902-426-7924 (fax), mark.dalton@canada.ca (email);

(c) Mr. Joshua Mailhiot, Canadian Wildlife Service, Department of the Environment, Atlantic Region, 6 Bruce Street, Mount Pearl, NL A1N 4T3, 709-772-5097 (fax), joshua.mailhiot@canada.ca (email);

(d) Mr. George Brown, Department of Fisheries and Oceans, 343 Université Avenue, Moncton, NB E1C 9B6, 506-851-6579 (fax), george.brown@dfo-mpo.gc.ca (email); and

(e) For Covehead, New London and North Rustico only, Mr. Paul Giroux, Parks Canada Agency, 2 Palmers Lane, Charlottetown, PE C1A 5V6, 902-672-6370 (fax), paul.giroux@pc.gc.ca (email).

13.2. The Canadian Coast Guard Marine Communication and Traffic Services (MCTS) of Sydney (notshipssyd@dfo-mpo.gc.ca) is to be notified in advance of the commencement of work so that appropriate "Notices to Shipping/Mariners" may be issued.

13.3. The Permittee shall submit a written report to the Minister, as represented by the Regional Director of the Environmental Protection Operations Directorate, Atlantic Region, care of Ms. Natasha Boyd, as identified in paragraph 13.1.(a), within 30 days after the expiry of the permit. This report shall contain the following information: a list of all work completed pursuant to the permit, including the location of the loading and disposal sites used, the total number of hours of night dredging conducted at each loading site, the quantity of matter disposed of at the disposal site(s) and the dates on which disposal activities occurred.

13.4. At all times, a copy of this permit and of documents and drawings referenced in this permit shall be available at the loading site and on all powered ships directly engaged in the loading and disposal operations.

14. *Special precautions:*

14.1. The loading and disposal at sea activities referred to under this permit shall

be carried out in accordance with all restrictions and mitigation measures outlined in the document titled "PEI Disposal Site Management Plan: 2017 Map Book and Mitigation". Modifications to the document shall be made only with the written approval of the Department of the Environment.



Jeffrey L. Corkum
Regional Director
Environmental Protection Operations Directorate
Atlantic Region

On behalf of the Minister of Environment and Climate Change

Signed on: 15 March 2017



Department of the Environment

Canadian Environmental Protection Act, 1999

Notice is hereby given that, pursuant to section 127 of the *Canadian Environmental Protection Act, 1999* (CEPA 1999), Disposal at Sea Permit No. 4543-2-06935 authorizing the loading for disposal and the disposal of waste or other matter at sea is approved. The permit is published on the CEPA Registry on Tuesday, March 21, 2017.

1. *Permittee*: Department of Public Works and Government Services, Charlottetown, Prince Edward Island.

2. *Waste or other matter to be disposed of*: Dredged material.

2.1. *Nature of waste or other matter*: Dredged material consisting of gravel, sand, silt and clay.

3. *Duration of permit*: Permit is valid from April 1, 2017, to March 31, 2018.

4. *Loading site(s)*:

(a) Grahams Pond, Prince Edward Island, at approximately 46.09622° N, 62.45114° W North American Datum of 1983 (NAD83);

(b) Launching Pond, Prince Edward Island, at approximately 46.22053° N, 62.40978° W (NAD83);

(c) Naufrage Harbour, Prince Edward Island, at approximately 46.46922° N, 62.41660° W (NAD83);

(d) North Lake Harbour, Prince Edward Island, at approximately 46.46905° N, 62.06824° W (NAD83);

(e) Savage Harbour, Prince Edward Island, at approximately 46.43564° N, 62.83266° W (NAD83);

(f) St. Peter's Bay (Red Head), Prince Edward Island, at approximately 46.44494° N, 62.73763° W (NAD83); and

(g) Tracadie Harbour, Prince Edward Island, at approximately 46.40830° N, 63.02927° W or 46.41223° N, 63.03998° W (NAD83),

as described in the document titled "PEI Disposal Site Management Plan: 2017 Map Book and Mitigation".

5. *Disposal site(s)*:

- (a) Grahams Pond, Prince Edward Island, 46.09485° N, 62.45215° W (NAD83);
- (b) Launching Pond, Prince Edward Island, 46.21883° N, 62.41083° W (NAD83);
- (c) Naufrage, Prince Edward Island, 46.46850° N, 62.41417° W (NAD83);
- (d) North Lake, Prince Edward Island – Site A, 46.46917° N, 62.06168° W (NAD83);
- (e) North Lake, Prince Edward Island – Site B, 46.46839° N, 62.06797° W (NAD83);
- (f) Savage Harbour, Prince Edward Island, 46.43383° N, 62.82700° W (NAD83);
- (g) St. Peter's Bay (Red Head), Prince Edward Island, 46.44972° N, 62.72632° W (NAD83);
- (h) Tracadie Harbour, Prince Edward Island – Site B, 46.40667° N, 63.02233° W (NAD83);
- (i) Tracadie Harbour, Prince Edward Island – Site C, 46.41567° N, 63.03367° W (NAD83);

as described in the document titled "PEI Disposal Site Management Plan: 2017 Map Book and Mitigation".

6. *Method of loading:* Dredging will be carried out using a suction dredge and land-based heavy equipment.

7. *Route to disposal site(s) and method of transport:* Most direct route from the loading site to the disposal site via pipeline, sidecasting or dump trucks.

8. *Method of disposal:* Disposal will be carried out by pipeline, sidecasting or dump trucks.

9. *Total quantity to be disposed of.*

- (a) Grahams Pond: Not to exceed 10 000 cubic metres, place measure.
- (b) Launching Pond: Not to exceed 15 000 cubic metres, place measure.
- (c) Naufrage: Not to exceed 20 000 cubic metres, place measure.
- (d) North Lake: Not to exceed 10 000 cubic metres, place measure.
- (e) Savage Harbour: Not to exceed 10 000 cubic metres, place measure.

(f) St. Peter's Bay: Not to exceed 10 000 cubic metres, place measure.

(g) Tracadie Harbour Site B: Not to exceed 2000 cubic metres, place measure.

(h) Tracadie Harbour Site C: Not to exceed 15 000 cubic metres, place measure.

9.1. The Permittee shall submit the procedures to measure or estimate quantities of dredged material disposed of at each disposal site to Ms. Natasha Boyd, identified in paragraph 13.1.(a). The Department of the Environment shall approve the procedures prior to the commencement of the first dredging operation to be conducted under this permit.

10. *Fees:* The fee prescribed by the *Disposal at Sea Permit Fee Regulations* shall be paid by the Permittee in accordance with those regulations.

11. *Inspection:* By accepting this permit, the Permittee and its contractors accept that they are subject to inspection pursuant to Part 10 of CEPA 1999.

12. *Contractors:*

12.1. The loading or disposal at sea referred to under this permit shall not be carried out by any person without written authorization from the Permittee.

12.2. The Permittee shall ensure that all persons involved in the loading, transport or disposal activities authorized by this permit conduct these activities in accordance with the relevant permit conditions.

13. *Reporting and notification:*

13.1. The Permittee shall provide the following information no later than 48 hours before loading and disposal activities commence and no sooner than 7 days before loading and disposal activities commence: name of the contractor, including corporate and on-site contact information; and expected period of loading and disposal activities. The above-noted information shall be submitted to

(a) Ms. Natasha Boyd, Environmental Protection Operations Directorate, Department of the Environment, Atlantic Region, 6 Bruce Street, Mount Pearl, NL A1M 3E7, 709-772-5097 (fax), natasha.boyd@canada.ca (email);

(b) Mr. Mark Dalton, Environmental Enforcement Directorate, Department of the Environment, Atlantic Region, Queen Square, 16th Floor, 45 Alderney Drive, Dartmouth, NS B2Y 2N6, 902-426-7924 (fax), mark.dalton@canada.ca (email);

(c) Mr. Joshua Mailhiot, Canadian Wildlife Service, Department of the Environment, Atlantic Region, 6 Bruce Street, Mount Pearl, NL A1N 4T3, 709-772-5097 (fax), joshua.mailhiot@canada.ca (email);

(d) Mr. George Brown, Department of Fisheries and Oceans, 343 Université Avenue, Moncton, NB E1C 9B6, 506-851-6579 (fax), george.brown@dfo-mpo.gc.ca (email); and

(e) For Savage Harbour, St Peter's Bay and Tracadie Harbour only, Mr. Paul Giroux, Parks Canada Agency, 2 Palmers Lane, Charlottetown, PE C1A 5V6, 902-672-6370 (fax), paul.giroux@pc.gc.ca (email).

13.2. The Canadian Coast Guard Marine Communication and Traffic Services (MCTS) of Sydney (notshipssyd@dfo-mpo.gc.ca) is to be notified in advance of the commencement of work so that appropriate "Notices to Shipping/Mariners" may be issued.

13.3. The Permittee shall submit a written report to the Minister, as represented by the Regional Director of the Environmental Protection Operations Directorate, Atlantic Region, care of Ms. Natasha Boyd, as identified in paragraph 13.1.(a), within 30 days after the expiry of the permit. This report shall contain the following information: a list of all work completed pursuant to the permit, including the location of the loading and disposal sites used, the total number of hours of night dredging conducted at each loading site, the quantity of matter disposed of at the disposal site(s) and the dates on which disposal activities occurred.

13.4. At all times, a copy of this permit and of documents and drawings referenced in this permit shall be available at the loading site and on all powered ships directly engaged in the loading and disposal operations.

14. *Special precautions:*

14.1. The loading and disposal at sea referred to under this permit shall be carried out in accordance with all restrictions and mitigation measures summarized in the document titled "PEI Disposal Site Management Plan: 2017 Map Book and Mitigation". Modifications to the document shall be made only with the written approval of the Department of the Environment.



Jeffrey L. Corkum
Regional Director
Environmental Protection Operations Directorate
Atlantic Region

On behalf of the Minister of Environment and Climate Change

Signed on: 15 March 2017



Environment and
Climate Change Canada

Environnement et
Changement climatique Canada

PEI Disposal Site Management Plan: 2017 Map Book and Mitigation

Entrance Channel Maintenance Dredging Program
Select DFO Small Craft Harbours, Eastern and Western PEI

Prepared by
Environment and Climate Change Canada
Environmental Protection Operations Directorate – Atlantic Region
Environmental Assessment and Marine Programs
March 28, 2017

Western PEI Sites

Standard Mitigation

1. Bulky debris such as wooden beams, scrap metal, cable, and fishing gear recovered during dredging operations shall not be returned to the marine environment.
2. Food scraps and all vessel related solid wastes shall not be released to the marine environment.
3. Basic petroleum spill clean-up equipment, e.g., a 250 L oil spill clean-up kit, shall be stored on-site and available for use during dredging operations.
4. Disposal activities shall be restricted to the area within the boundaries illustrated and that portion of the seabed lying below the Lower Low Water, Large Tide elevation.
5. Dredge crews, dredging related vehicles or other dredging related equipment shall not access beaches, sand spits, dunes, mud flats, or sand flats during any stage of the project.

Additional Mitigation

1. Disposal (sidecast) activities shall be restricted to the east side of the channel within the boundaries illustrated.
2. Piping Plover presence or absence shall be confirmed by Parks Canada prior to the commencement of any dredging activities. If plovers are present, the contractor shall receive notification of their presence, a summary of legal protection provided to the plovers, and a description of the penalties for violating relevant prohibitions under the *Migratory Bird Convention Act* or the *Species at Risk Act*.

Standard Mitigation

1. Bulky debris such as wooden beams, scrap metal, cable, and fishing gear recovered during dredging operations shall not be returned to the marine environment.
2. Food scraps and all vessel related solid wastes shall not be released to the marine environment.
3. Basic petroleum spill clean-up equipment, e.g., a 250 L oil spill clean-up kit, shall be stored on-site and available for use during dredging operations.
4. Dredge crews, dredging related vehicles or other dredging related equipment shall not access beaches, sand spits, dunes, mud flats, or sand flats during any stage of the project.

Additional Mitigation

1. The existing access road shall be used to access the pipeline deployment area. Vegetated areas shall be avoided where possible.
2. All dredging-related vehicles or other dredging-related equipment and extra pipeline segments shall be stored in the DFO-SCH parking area.
3. Both dredging and disposal activities shall be restricted to the area within the boundaries illustrated by Zones 1 & 2 and that portion of the seabed lying below the Lower Low Water, Large Tide elevation.
4. The disposal volume per dredge event shall not exceed 15,000 m³ place measure.
5. Piping Plover presence or absence shall be confirmed by qualified observers two to three days prior to initiating dredging activities. If plovers are present, the contractor shall receive notification of their presence, a summary of legal protection provided to the plovers, and a description of the penalties for violating relevant prohibitions under the *Migratory Bird Convention Act* or the *Species at Risk Act*.

Standard Mitigation

1. Bulky debris such as wooden beams, scrap metal, cable, and fishing gear recovered during dredging operations shall not be returned to the marine environment.
2. Food scraps and all vessel related solid wastes shall not be released to the marine environment.
3. Basic petroleum spill clean-up equipment, e.g., a 250 L oil spill clean-up kit, shall be stored on-site and available for use during dredging operations.
4. Disposal activities shall be restricted to the area within the boundaries illustrated and that portion of the seabed lying below the Lower Low Water, Large Tide elevation.
5. Dredge crews, dredging related vehicles or other dredging related equipment shall not access beaches, sand spits, dunes, mud flats, or sand flats during any stage of the project.

DISPOSAL SITE MANAGEMENT SUMMARY

DISPOSAL SITE

Site Name Hardys Channel
 Site Code CA-AT-D056

RELATED HARBOUR OR CHANNEL

Site Name Milligans Shore Harbour
 Site User PWGSC, Charlottetown

ANNUAL QUANTITY RESTRICTION

10,000 m³ place measure

**SITE WITHIN 300 m of
CRITICAL HABITAT**

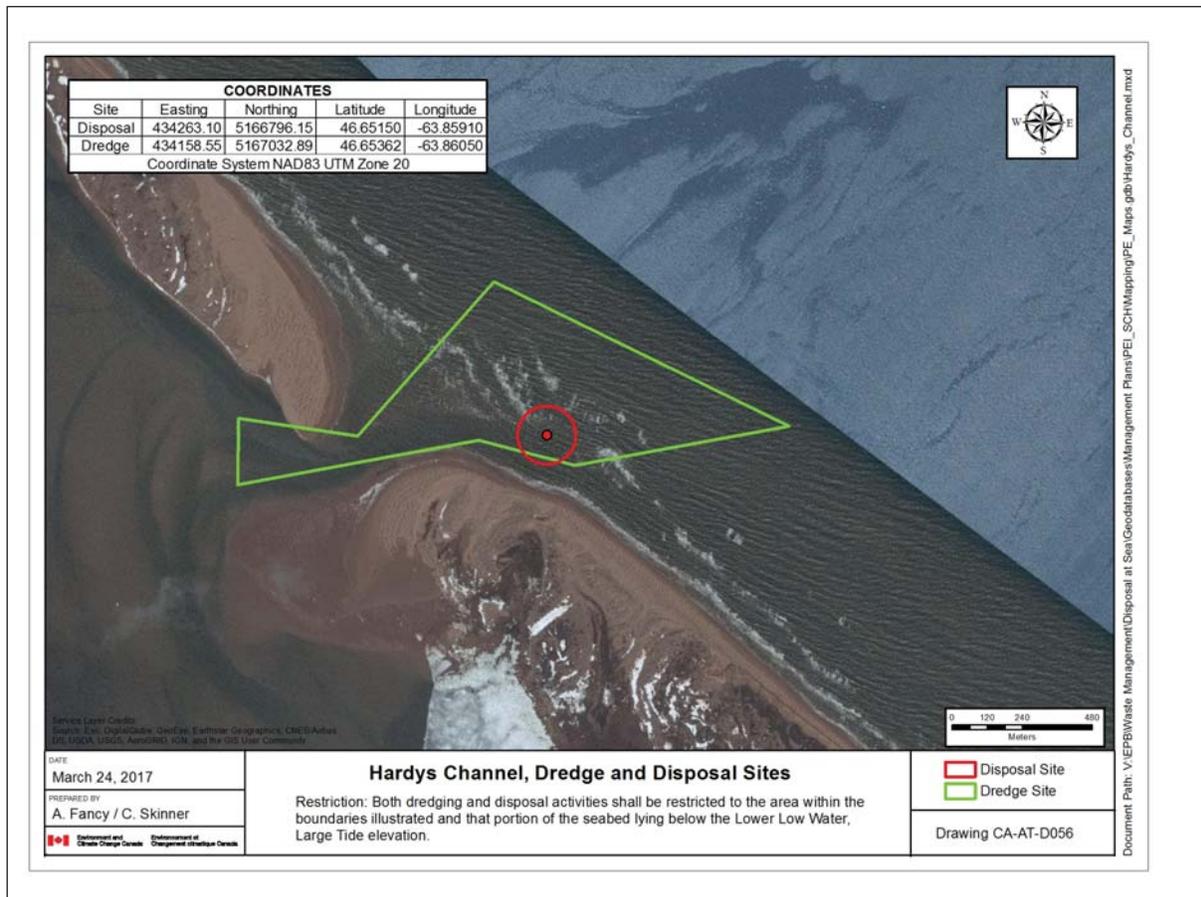
EQUIPMENT RESTRICTIONS

Suction Dredge
 Barge-mounted Excavator
 Land-based Heavy Equipment

REQUIRED MITIGATION
 (see page 2)

SITE MOBILIZATION NOTIFICATIONS

Standard
 Parks Canada Agency



Standard Mitigation

1. Bulky debris such as wooden beams, scrap metal, cable, and fishing gear recovered during dredging operations shall not be returned to the marine environment.
2. Food scraps and all vessel related solid wastes shall not be released to the marine environment.
3. Basic petroleum spill clean-up equipment, e.g., a 250 L oil spill clean-up kit, shall be stored on-site and available for use during dredging operations.
4. Dredge crews, dredging related vehicles or other dredging related equipment shall not access beaches, sand spits, dunes, mud flats, or sand flats during any stage of the project.

Additional Mitigation

1. Both dredging and disposal activities shall be restricted to the area within the boundaries illustrated and that portion of the seabed lying below the Lower Low Water, Large Tide elevation.
2. Piping Plover presence or absence shall be confirmed by qualified observers two to three days prior to initiating dredging activities. If plovers are present, the contractor shall receive notification of their presence, a summary of legal protection provided to the plovers, and a description of the penalties for violating relevant prohibitions under the *Migratory Birds Convention Act* of the *Species at Risk Act*.

Standard Mitigation

1. Bulky debris such as wooden beams, scrap metal, cable, and fishing gear recovered during dredging operations shall not be returned to the marine environment.
2. Food scraps and all vessel related solid wastes shall not be released to the marine environment.
3. Basic petroleum spill clean-up equipment, e.g., a 250 L oil spill clean-up kit, shall be stored on-site and available for use during dredging operations.
4. Disposal activities shall be restricted to the area within the boundaries illustrated and that portion of the seabed lying below the Lower Low Water, Large Tide elevation.
5. Dredge crews, dredging related vehicles or other dredging related equipment shall not access beaches, sand spits, dunes, mud flats, or sand flats during any stage of the project.

Standard Mitigation

1. Bulky debris such as wooden beams, scrap metal, cable, and fishing gear recovered during dredging operations shall not be returned to the marine environment.
2. Food scraps and all vessel related solid wastes shall not be released to the marine environment.
3. Basic petroleum spill clean-up equipment, e.g., a 250 L oil spill clean-up kit, shall be stored on-site and available for use during dredging operations.
4. Disposal activities shall be restricted to the area within the boundaries illustrated and that portion of the seabed lying below the Lower Low Water, Large Tide elevation.
5. Dredge crews, dredging related vehicles or other dredging related equipment shall not access beaches, sand spits, dunes, mud flats, or sand flats during any stage of the project.

Additional Mitigation

1. Disposal (sidecast) activities shall be restricted to the south west side of the channel within the boundaries illustrated.
2. Piping Plover presence or absence shall be confirmed by Parks Canada prior to the commencement of any dredging activities. If plovers are present, the contractor shall receive notification of their presence, a summary of the legal protection provided to the plovers, and a description of the penalties for violating relevant prohibitions under the *Migratory Bird Convention Act* or the *Species at Risk Act*.

Standard Mitigation

1. Bulky debris such as wooden beams, scrap metal, cable, and fishing gear recovered during dredging operations shall not be returned to the marine environment.
2. Food scraps and all vessel related solid wastes shall not be released to the marine environment.
3. Basic petroleum spill clean-up equipment, e.g., a 250 L oil spill clean-up kit, shall be stored on-site and available for use during dredging operations.
4. Disposal activities shall be restricted to the area within the boundaries illustrated and that portion of the seabed lying below the Lower Low Water, Large Tide elevation.
5. Dredge crews, dredging related vehicles or other dredging related equipment shall not access beaches, sand spits, dunes, mud flats, or sand flats during any stage of the project.

Additional Mitigation

1. Piping Plover presence or absence shall be confirmed by Parks Canada prior to the commencement of any dredging activities. If plovers are present, the contractor shall receive notification of their presence, a summary of the legal protection provided to the plovers, and a description of the penalties for violating relevant prohibitions under the *Migratory Bird Convention Act* or the *Species at Risk Act*.

Standard Mitigation

1. Bulky debris such as wooden beams, scrap metal, cable, and fishing gear recovered during dredging operations shall not be returned to the marine environment.
2. Food scraps and all vessel related solid wastes shall not be released to the marine environment.
3. Basic petroleum spill clean-up equipment, e.g., a 250 L oil spill clean-up kit, shall be stored on-site and available for use during dredging operations.
4. Disposal activities shall be restricted to the area within the boundaries illustrated and that portion of the seabed lying below the Lower Low Water, Large Tide elevation.
5. Dredge crews, dredging related vehicles or other dredging related equipment shall not access beaches, sand spits, dunes, mud flats, or sand flats during any stage of the project.

Standard Mitigation

1. Bulky debris such as wooden beams, scrap metal, cable, and fishing gear recovered during dredging operations shall not be returned to the marine environment.
2. Food scraps and all vessel related solid wastes shall not be released to the marine environment.
3. Basic petroleum spill clean-up equipment, e.g., a 250 L oil spill clean-up kit, shall be stored on-site and available for use during dredging operations.
4. Disposal activities shall be restricted to the area within the boundaries illustrated and that portion of the seabed lying below the Lower Low Water, Large Tide elevation.
5. Dredge crews, dredging related vehicles or other dredging related equipment shall not access beaches, sand spits, dunes, mud flats, or sand flats during any stage of the project.

Eastern PEI Sites

Standard Mitigation

1. Bulky debris such as wooden beams, scrap metal, cable, and fishing gear recovered during dredging operations shall not be returned to the marine environment.
2. Food scraps and all vessel related solid wastes shall not be released to the marine environment.
3. Basic petroleum spill clean-up equipment, e.g., a 250 L oil spill clean-up kit, shall be stored on-site and available for use during dredging operations.
4. Disposal activities shall be restricted to the area within the boundaries illustrated and that portion of the seabed lying below the Lower Low Water, Large Tide elevation.
5. Dredge crews, dredging related vehicles or other dredging related equipment shall not access beaches, sand spits, dunes, mud flats, or sand flats during any stage of the project.

Standard Mitigation

1. Bulky debris such as wooden beams, scrap metal, cable, and fishing gear recovered during dredging operations shall not be returned to the marine environment.
2. Food scraps and all vessel related solid wastes shall not be released to the marine environment.
3. Basic petroleum spill clean-up equipment, e.g., a 250 L oil spill clean-up kit, shall be stored on-site and available for use during dredging operations.
4. Disposal activities shall be restricted to the area within the boundaries illustrated and that portion of the seabed lying below the Lower Low Water, Large Tide elevation.
5. Dredge crews, dredging related vehicles or other dredging related equipment shall not access beaches, sand spits, dunes, mud flats, or sand flats during any stage of the project.

Standard Mitigation

1. Bulky debris such as wooden beams, scrap metal, cable, and fishing gear recovered during dredging operations shall not be returned to the marine environment.
2. Food scraps and all vessel related solid wastes shall not be released to the marine environment.
3. Basic petroleum spill clean-up equipment, e.g., a 250 L oil spill clean-up kit, shall be stored on-site and available for use during dredging operations.
4. Disposal activities shall be restricted to the area within the boundaries illustrated and that portion of the seabed lying below the Lower Low Water, Large Tide elevation.
5. Dredge crews, dredging related vehicles or other dredging related equipment shall not access beaches, sand spits, dunes, mud flats, or sand flats during any stage of the project.

Additional Mitigation

1. Piping Plover presence or absence shall be confirmed by qualified observers two to three days prior to initiating dredging activities. If plovers are present, the contractor shall receive notification of their presence, a summary of the legal protection provided to the plovers, and a description of the penalties for violating relevant prohibitions under the *Migratory Bird Convention Act* or the *Species at Risk Act*.

DISPOSAL SITE MANAGEMENT SUMMARY

DISPOSAL SITE

Site Name North Lake

Site Code CA-AT-D100 & D102

RELATED HARBOUR OR CHANNEL

Site Name North Lake Harbour

Site User PWGSC, Charlottetown

ANNUAL QUANTITY RESTRICTION

10,000 m³ place measure

SITE WITHIN 300 m of CRITICAL HABITAT

EQUIPMENT RESTRICTIONS

Suction Dredge

Barge-mounted Excavator

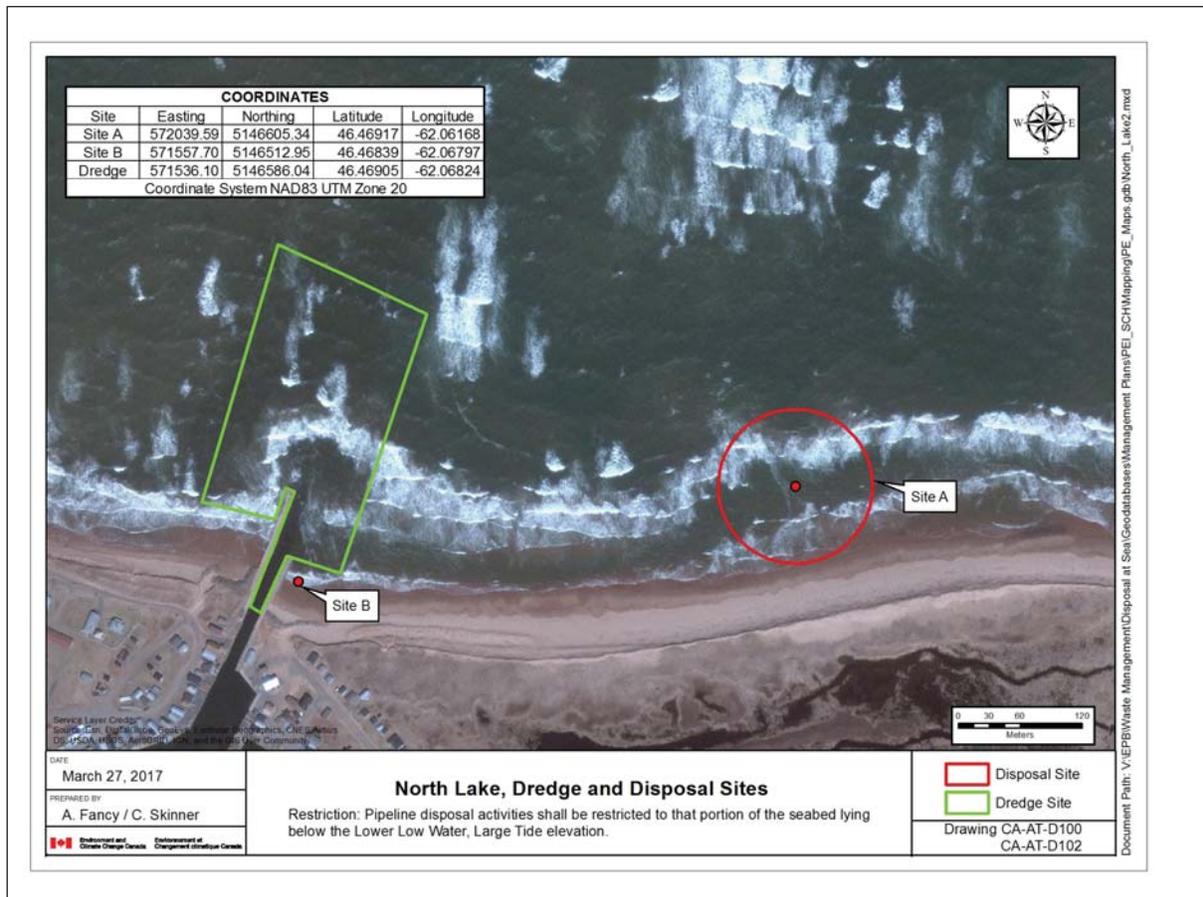
Land-based Heavy Equipment

REQUIRED MITIGATION
(see page 2)

SITE MOBILIZATION NOTIFICATIONS

Standard

Parks Canada Agency



Standard Mitigation

1. Bulky debris such as wooden beams, scrap metal, cable, and fishing gear recovered during dredging operations shall not be returned to the marine environment.
2. Food scraps and all vessel related solid wastes shall not be released to the marine environment.
3. Basic petroleum spill clean-up equipment, e.g., a 250 L oil spill clean-up kit, shall be stored on-site and available for use during dredging operations.

Additional Mitigation

1. With the exception of the Intertidal Disposal Site: Dredge crews, dredging related vehicles or other dredging related equipment shall not access beaches, sand spits, dunes, mud flats, or sand flats during any stage of the project.
2. For the Intertidal Disposal Site only: The existing access road shall be used to access the beach.
3. For the Intertidal Disposal Site only: Dredged material shall be placed and reworked to lie below the mid-tide line.
4. For the Pipeline Disposal Site only: Disposal activities shall be restricted to that portion of the seabed lying below the Lower Low Water, Large Tide elevation.

Standard Mitigation

1. Bulky debris such as wooden beams, scrap metal, cable, and fishing gear recovered during dredging operations shall not be returned to the marine environment.
2. Food scraps and all vessel related solid wastes shall not be released to the marine environment.
3. Basic petroleum spill clean-up equipment, e.g., a 250 L oil spill clean-up kit, shall be stored on-site and available for use during dredging operations.
4. Disposal activities shall be restricted to the area within the boundaries illustrated and that portion of the seabed lying below the Lower Low Water, Large Tide elevation.
5. Dredge crews, dredging related vehicles or other dredging related equipment shall not access beaches, sand spits, dunes, mud flats, or sand flats during any stage of the project.

Additional Mitigation

1. Piping Plover presence or absence shall be confirmed by qualified observers two to three days prior to initiating the dredging activities. If plovers are present, the contractor shall receive notification of their presence, a summary of the legal protection provided to the plovers, and a description of the penalties for violating relevant prohibitions under the *Migratory Bird Convention Act* or the *Species at Risk Act*.

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4. Disposal activities shall be restricted to the area within the boundaries illustrated and that portion of the seabed lying below the Lower Low Water, Large Tide elevation.
5. Dredge crews, dredging related vehicles or other dredging related equipment shall not access beaches, sand spits, dunes, mud flats, or sand flats during any stage of the project.

Additional Mitigation

1. Piping Plover presence or absence shall be confirmed by Parks Canada prior to the commencement of any dredging activities. If plovers are present, the contractor shall receive notification of their presence, a summary of the legal protection provided to the plovers, and a description of the penalties for violating relevant prohibitions under the *Migratory Bird Convention Act* or the *Species at Risk Act*.

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Additional Mitigation

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2. Tracadie Site B: Annual volume placed shall not exceed 2,000 m³ place measure.
3. Tracadie Site C: Annual volume placed shall not exceed 15,000 m³ place measure.