# A-01-1

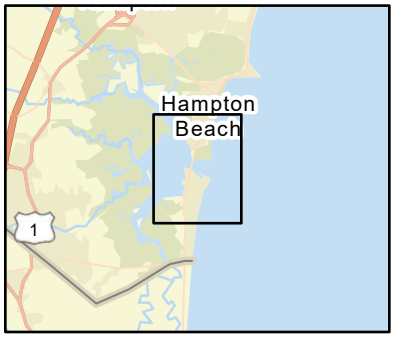
## Hampton Harbor and Blackwater River

## Hampton, NH

0 1,000 2,000 Feet

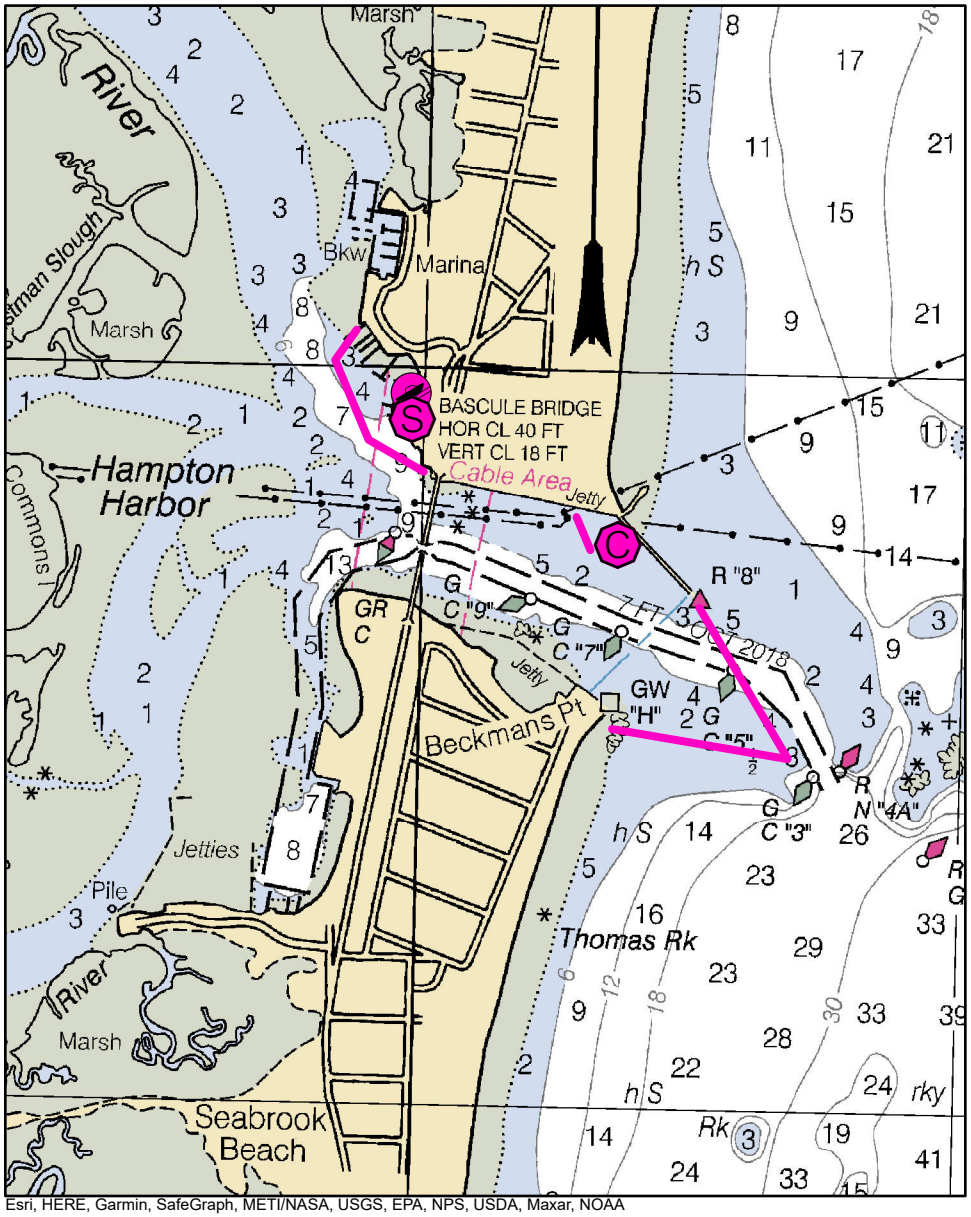
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-01-1 Hampton Harbor and Blackwater River

**Town** Hampton, NH
**Latitude** 42° 53.645 N **Longitude** 70° 48.644 W
**Approx. Tidal Range (feet)** 0 - 9'
**Max Current (knots)** **Flood** 5 **Ebb** 2
**Source** Estimated

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13278_2
**ESI Map #** 57C, 56C
**EVI Map #** N/A
**DeLorme Map # (2019)** 31 (NH); 1 E3 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Salt to brackish marshes (10A)
**ESI Secondary Shoreline Type** Mixed sand and gravel beaches (5)

**Environmental Concerns** Extensive salt marsh, shellfish beds, diadromous fish runs, shorebird habitat

**Archaeological Conflicts**

## Strategy Information

**Strategy Purpose** To exclude oil from inner harbor and contain or exclude oil at New Hampshire State Fish Pier

**Staging Areas** Hampton River Marina boat ramp, 55 Harbor Road, Hampton NH on north side of harbor. Access via route 1A southbound.

**Site Access** Hampton River Marina boat ramp, 55 Harbor Road, Hampton, NH on north side of harbor. Access via route 1A southbound.

**Nearest Boat Ramp** Less than 1/4 mile. Hampton River Marina boat ramp on north side of harbor.

**Collection Points** Off the state park seawall in the natural eddy.

**Special Instructions**

**Work Assignment** This is a 2 piece exclusionary configuration totaling 4.600 feet with an additional 300 foot containment piece. Parts can be deployed alone or together as conditions/resources allow.

PRIORITY 1
1,500 foot section from Beckman's Point toward buoy C3.
1,500 foot section from end of Hampton Harbor inlet jetty to end of other boom near buoy

PRIORITY 2
Enclose State Fish Pier, north of the inlet.
1,600 foot of boom from the shore near the inside of the route 1A bridge to a point north of the last dock

PRIORITY 3
300 foot section off the state park seawall east of the natural eddy for collection.

## Recommended Equipment / Resources

**Length of Boom (feet)** 4900 **Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
5 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 -6 laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 8/26/2003 **Last Field Test:**

# A-01-2

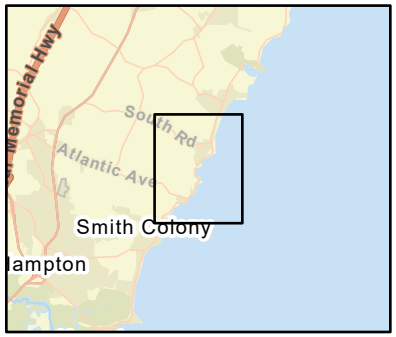
## Little River, North Hampton to Jenness Beach, Rye

## North Hampton / Rye, NH

0 2,500 5,000 Feet

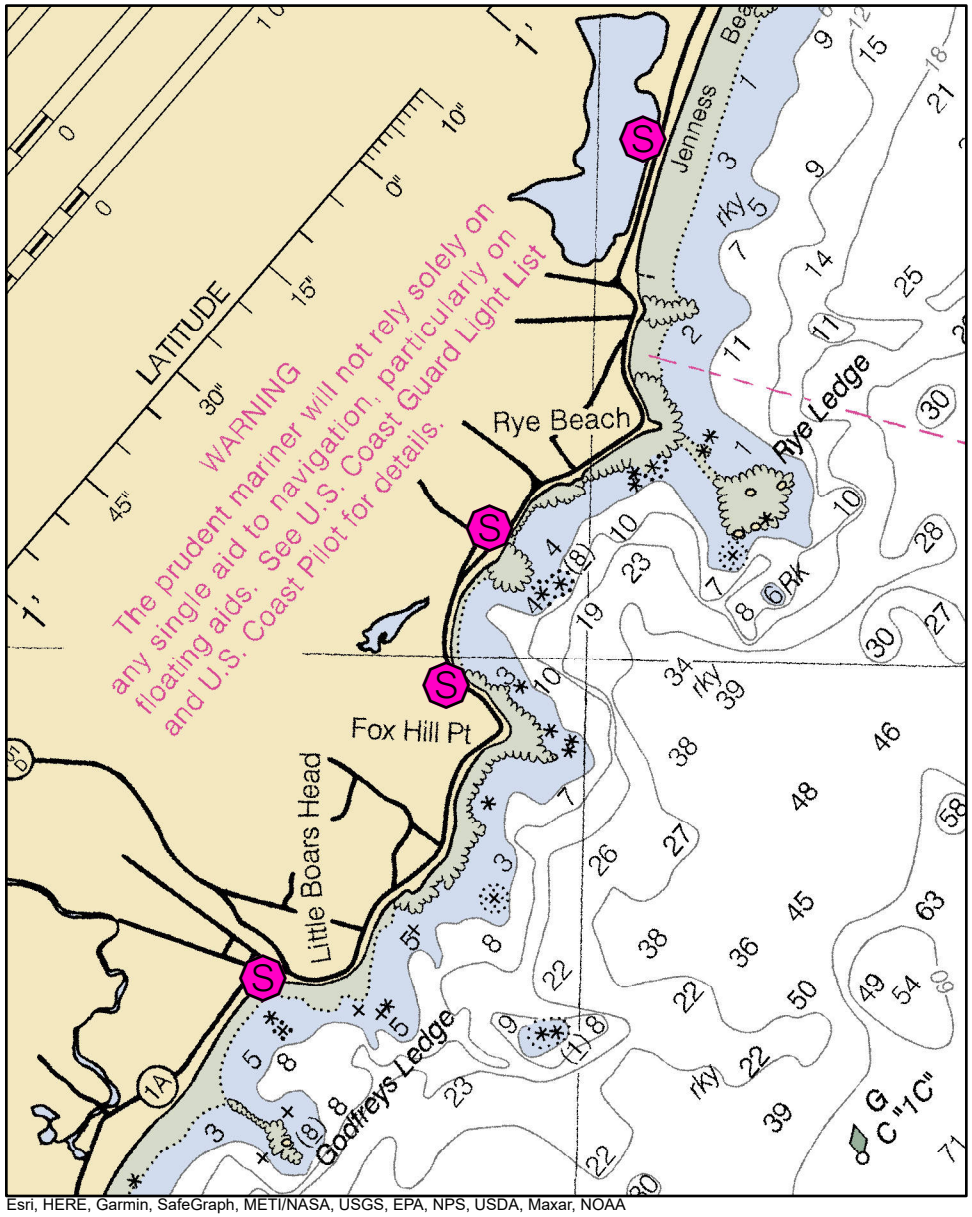
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-01-2 Little River North Hampton to Jenness Beach, Rye

**Town** North Hampton and Rye, NH
**Latitude** varies **Longitude** varies
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13274_2
**ESI Map #** 56B, 56C
**EVI Map #** N/A
**DeLorme Map # (2019)** 31, 30 (NH); 1 D3 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Mixed sand and gravel beaches (5)
**ESI Secondary Shoreline Type** Riprap (6B)

**Environmental Concerns** Extensive salt marsh, shorebird and waterfowl habitat, shellfish beds, sturgeon

**Archaeological Conflicts**

## Strategy Information

**Strategy Purpose** To prevent oil from entering marshes through culverts

**Staging Areas** All accessed by road along Route 1A

**Site Access** Route 1A

**Nearest Boat Ramp** N/A

**Collection Points** Via vac truck on Route 1A.

**Special Instructions** May need traffic control

**Work Assignment** Block the flow of oil at the culverts at inland and/or ocean side with boom or alternate method (plywood and poly for underflow dam or sand and poly)

## Recommended Equipment / Resources

**Length of Boom (feet)** 4 segments for culverts

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)** For each: One length of boom or plywood/poly, or sand with excavator or skid steer plus poly

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 10/29/2019 **Last Field Visit** **Last Field Test:**

# A-02-1

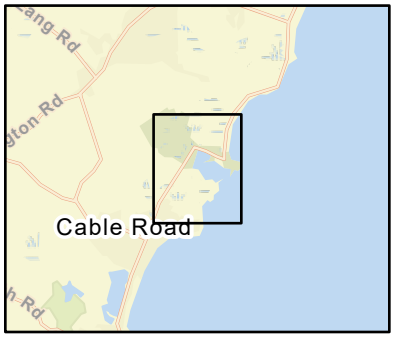
## Rye Harbor

## Rye, NH

0 1,000 2,000 Feet

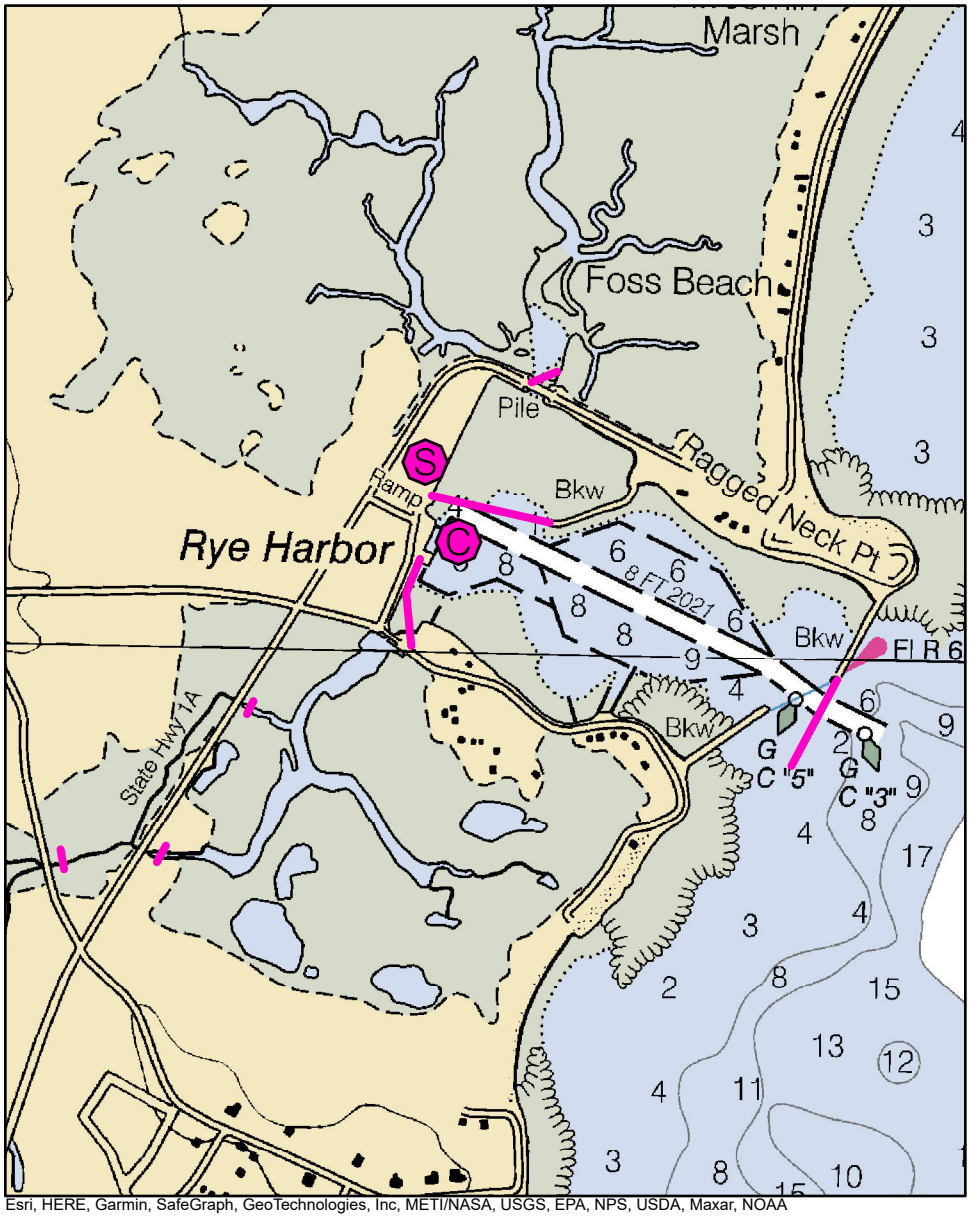
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-02-1 Rye Harbor

**Town** Rye, NH
**Latitude** 43° 0.056' N **Longitude** 70° 44.944' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13283_1
**ESI Map #** 56B
**EVI Map #** N/A
**DeLorme Map # (2019)** 30 (NH); 1 C3,C4,D3,D4 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Exposed tidal flats (7)
**ESI Secondary Shoreline Type** Mixed sand and gravel beaches (5)

**Environmental Concerns** Salt marsh, smelt run, shorebirds and waterfowl, softshell clam (special concern)

**Archaeological Conflicts**

## Strategy Information

**Strategy Purpose** To prevent oil from entering Rye Harbor and adjacent salt marsh

**Staging Areas** Parking lot at Rye Harbor, 1730 Ocean Boulevard, Rye, NH

**Site Access** Rye Harbor

**Nearest Boat Ramp** Rye Harbor

**Collection Points** At boat ramp for Priority 1 and from Harbor Road for Priority 3

**Special Instructions**

**Work Assignment** This is a multi part set of strategies with backup measures to the south and north of the harbor. Parts can be deployed alone or together as conditions/resources allow.

PRIORITY 1 Deploy 600 feet between the north end of the boat ramp and the end of the inner jetty.
PRIORITY 2 Deploy 500 feet across the south creek inside the harbor.
PRIORITY 3 Deploy 500 feet from north jetty to a point between can buoys #3 & 5.
PRIORITY 4 Deploy 150 feet across the north creek upriver of Rt. 1A bridge.
PRIORITY 5 Protect south creek in 3 locations where it passes under Rt. 1A and at Locke Rd.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1750

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

Priorities 1 ,2, 4 and 5:

1 workboat, with minimum 90 hp
1 - skimmer and storage
1 - boat operator
4 -6 laborers

Priority 1: 2 shoreside connections
Priority 2: 3 shoreside connections
Priority 4: 2 shoreside connections
Priority 5: 6 shoreside connections or other means of blocking culverts (plywood/poly or sand and poly using excavator or skid steer)

Priority 3:

2 - workboats: 1 to connect close to jetty and 1 towing vessel, 250 hp minimum
2 - anchor sets, 45 lb. minimum and line for 3:1 scope plus tag line with buoys, or 1 anchor set and 1 shoreside connection

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 10/29/2019 **Last Field Visit** 8/26/2003 **Last Field Test:** 10/12/2016

# A-03-1

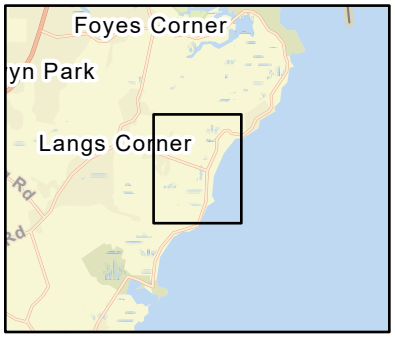
## Parson's Creek at Concord Point

## Rye, NH

0 1,000 2,000 Feet

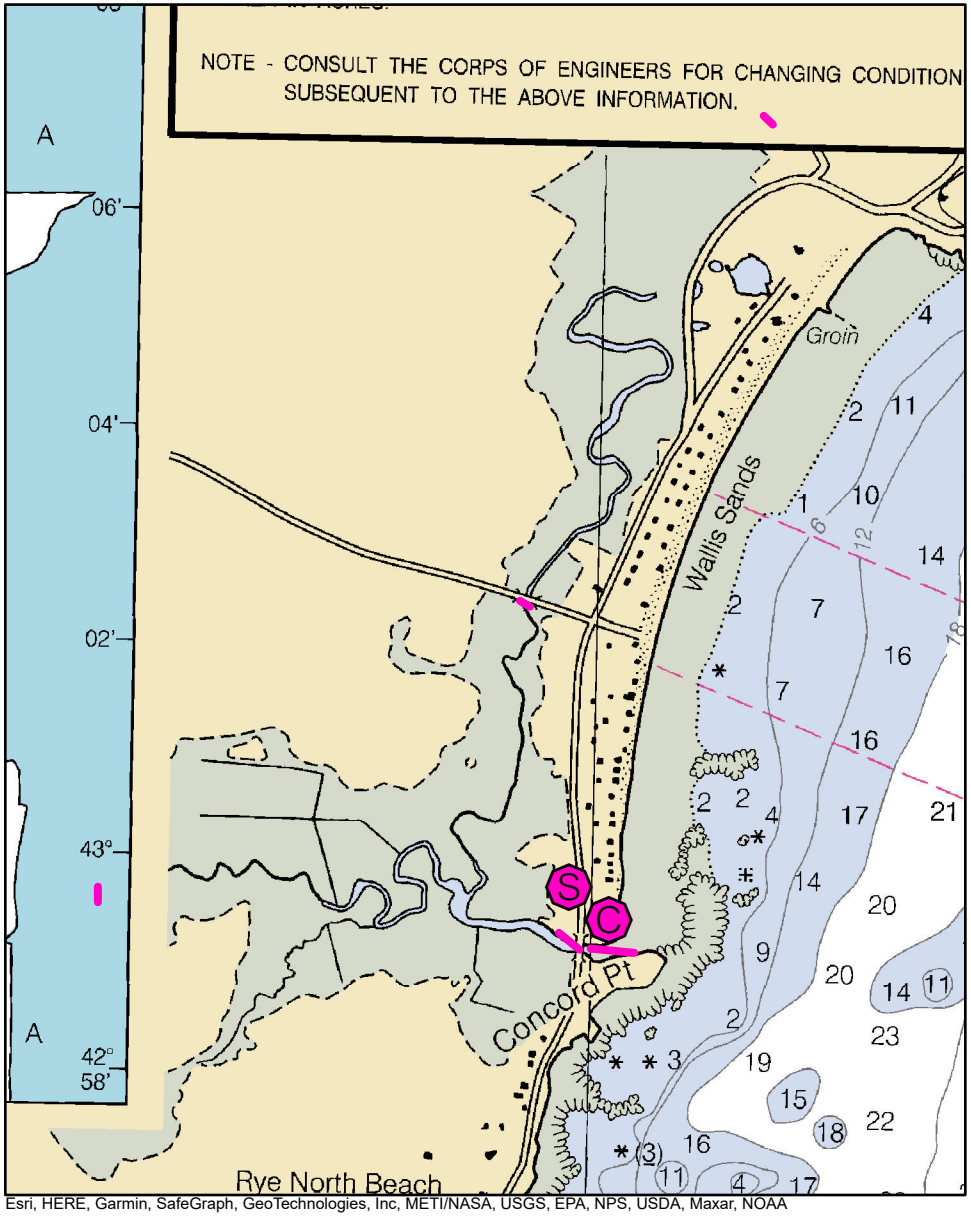
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




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# A-03-1 Parson's Creek at Concord Point

**Town** Rye, NH
**Latitude** 43° 01.007 N **Longitude** 70° 43.992 W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13283_1
**ESI Map #** 56B
**EVI Map #** 2 (Part)
**DeLorme Map # (2019)** 30 (NH); 1 C4 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Riprap (6B)
**ESI Secondary Shoreline Type** Salt- and brackish-water marshes (10A)

**Environmental Concerns** Extensive saltmarsh and shorebird habitat

**Archaeological Conflicts**

## Strategy Information

**Strategy Purpose** To prevent oil from entering Parson's Creek and adjoining salt marsh

**Staging Areas** Rt. 1A Road Side at Petey's Summertime Seafood & Bar Telephone: 603-433-1937

**Site Access** Route 1A to Concord Point Road shore side access

**Nearest Boat Ramp** Concord Point Road shore side access or Rye Harbor ramp 1-1/3 miles south.

**Collection Points** At Route 1A

**Special Instructions** May need traffic control

**Work Assignment**
This is a 5 part diversion /exclusion strategy; deploy all or parts as conditions/resources allow.
PRIORITY 1: Deploy 250 feet across mouth of river at roughly a 45 degree angle.
On the north side, near the bridge, connect to permanent pole anchor pin.
Dump the boom over the bridge into the river.
Run a line across the bridge on south side and walk the boom away from the bridge toward the ocean.
Connect to permanent pole anchor pin 10 feet from the steps in front of the stone wall.
PRIORITY 2: Deploy 150 feet across mouth of river just inland of the bridge at roughly a 45 degree angle.
Connect on shore on the south side, near the bridge.
Dump the boom over the bridge into the river.
Run a line across the bridge to the north side and walk the boom away from the bridge toward the back parking lot of the restaurant.
PRIORITY 3: Place secondary sorbent booms at 2 culverts under Wallis Road 3/10 of a mile north of the mouth of Parson's Creek.
PRIORITY 4: Protect culvert to the west under Bracket Rd. at 43 01.045 N and 70 44.034 W
PRIORITY 5: Consider protecting a culvert to the north on Marsh Road at 43 01.774 N and 070 43.765 W.

## Recommended Equipment / Resources

**Length of Boom (feet)** 350
**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
1-2 vehicle(s) with boom
4 - laborers
All shoreside connections, or 4 shoreside connections with alternate means of blocking culverts for Priorities 3, 4 and 5

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 10/29/2019 **Last Field Visit** 8/26/2003 **Last Field Test:** 9/13/2004

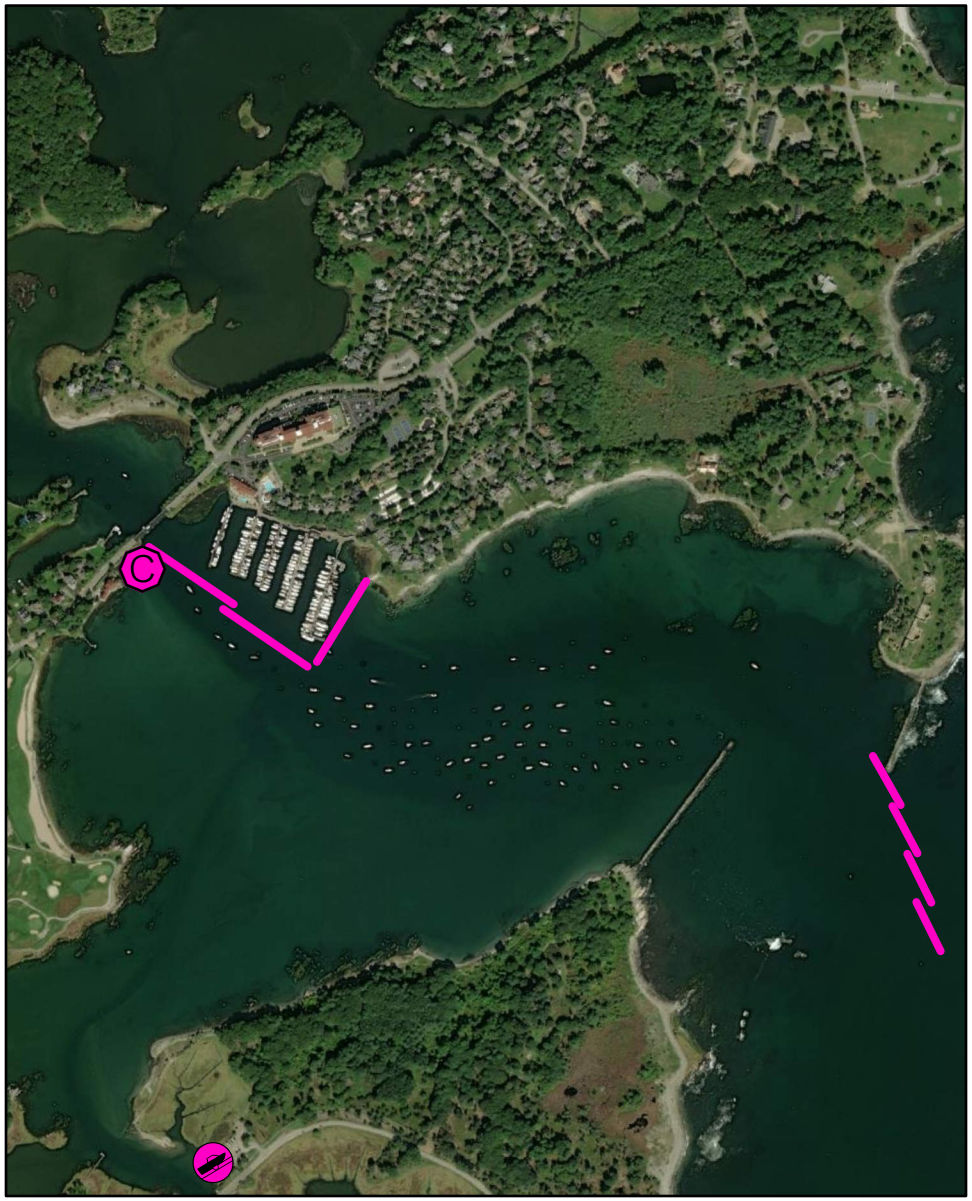
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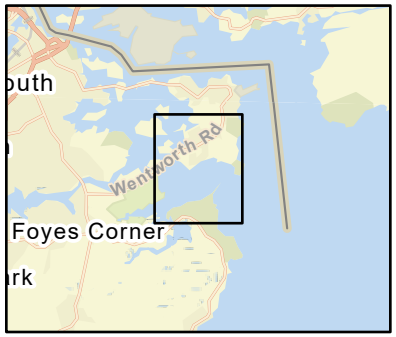
## Little Harbor

## Rye, NH

0 1,000 2,000 Feet

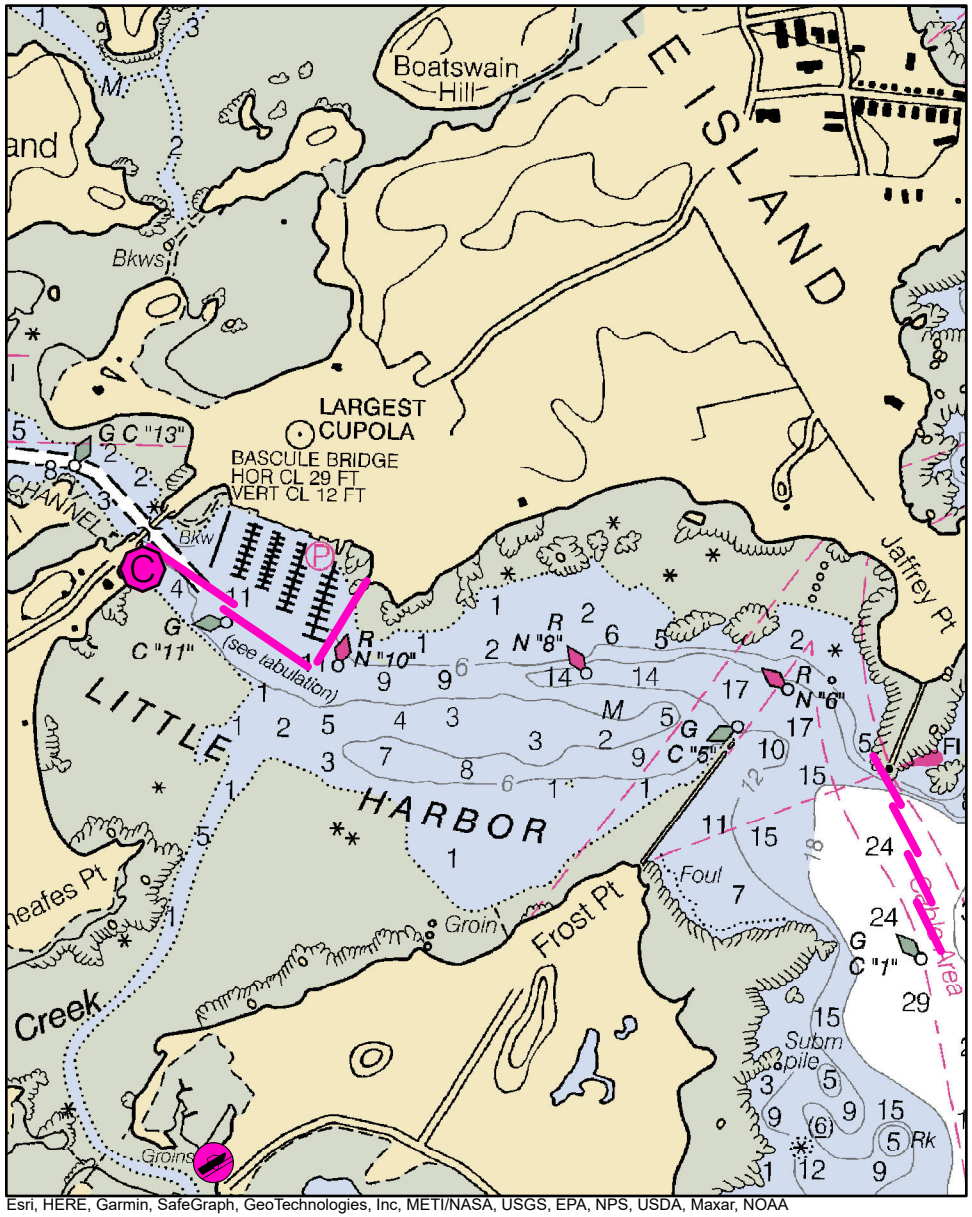
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**Legend**

- Boat Launches
- Collection Point
- Permanent Mooring
- Skimmer
- Staging Area
- Water Treatment Intake
- Response Vessel
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-04-1 Little Harbor

**Town** New Castle, NH
**Latitude** 43° 03.327 N **Longitude** 70° 43.321 W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** 0.70 **Ebb** 1.1
**Source** NOAA current data (at mouth)

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13283_1
**ESI Map #** 56B
**EVI Map #** 2
**DeLorme Map # (2019)** 30 (NH); 1 C4 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Riprap (6B)
**ESI Secondary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)

**Environmental Concerns** Extensive tidal flats with salt marsh behind, shellfish beds, shorebird and waterfowl habitat

**Archaeological Conflicts** Wreck in area. Deviations from GRS design for eastern boom spread will require historical review. Contact NHDHR at (603)-271-3484 or MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To prevent oil from entering Little Harbor and Sagamore Creek

**Staging Areas** Coast Guard Station, 25 Wentworth Road, New Castle, NH

**Site Access** By water from Coast Guard Station or possibly from Route 1B (Wentworth Road)

**Nearest Boat Ramp** U.S. Coast Guard Station, Wentworth Road, New Castle, NH

**Collection Points** Boom at jetty for exclusion only. Collection from Route 1B for boom at Sagamore Creek.

**Special Instructions** Will need traffic control if accessing from Route 1B

**Work Assignment** Primary: Deploy four 300' sections of boom from the Jaffrey Point jetty across the harbor entrance.

Secondary: Deploy one 500 foot and two 600 foot sections of boom from Wentworth Marina across the channel of Sagamore Creek.

## Recommended Equipment / Resources

**Length of Boom (feet)** Primary: 1200 Secondary: 1700

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

Primary:

7 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
1 - shoreside connection or additional anchor
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

Secondary:

4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 10/29/2019 **Last Field Visit** 7/31/2003 **Last Field Test:** 10/2/2007

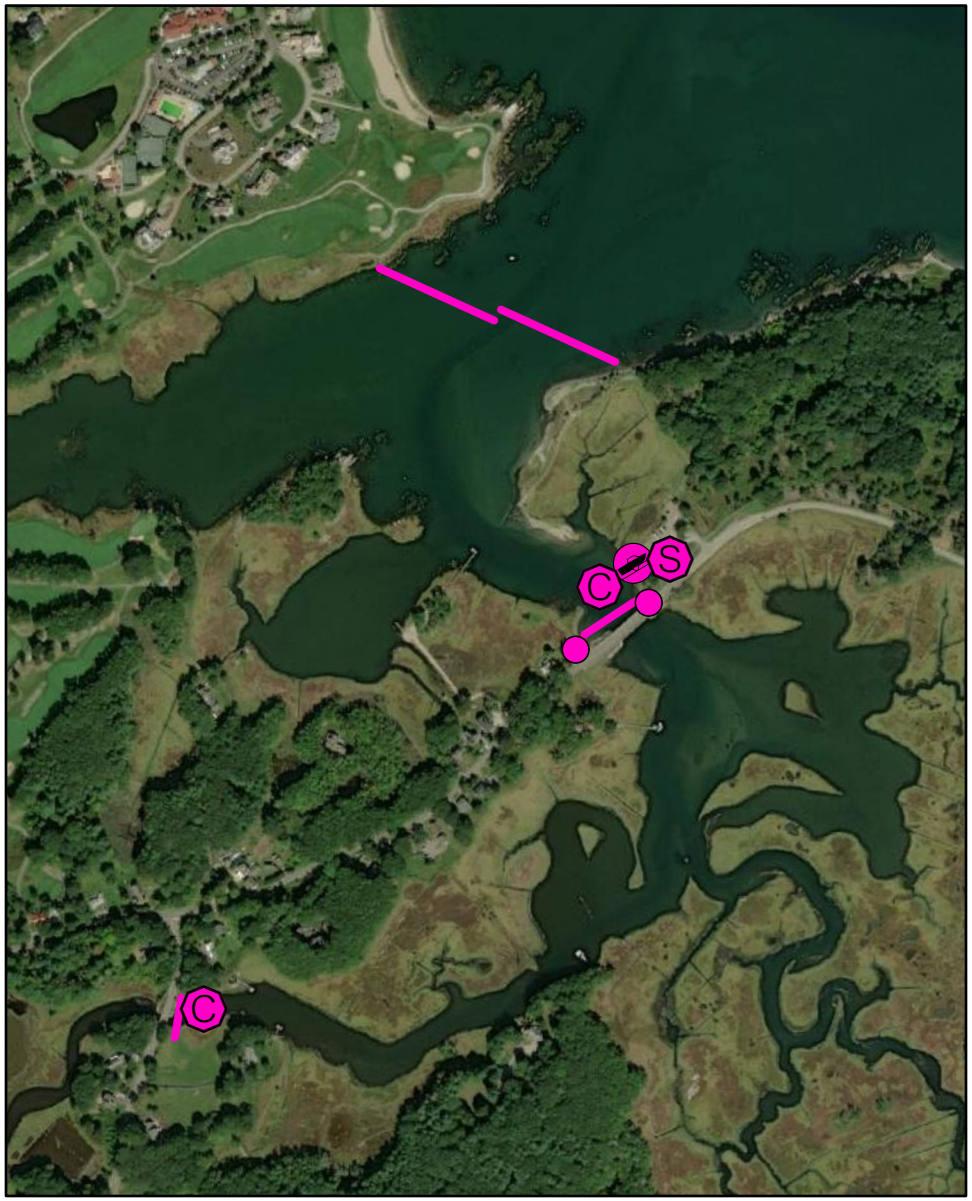
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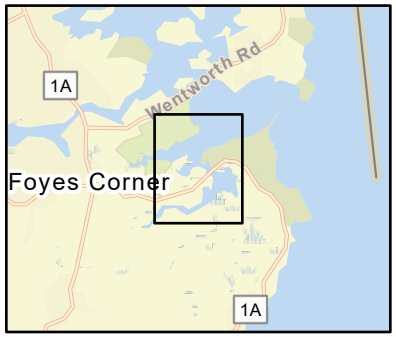
## Witch Creek, Seavey Creek, and Berrys Brook

## Rye, NH

0 925 1,850 Feet

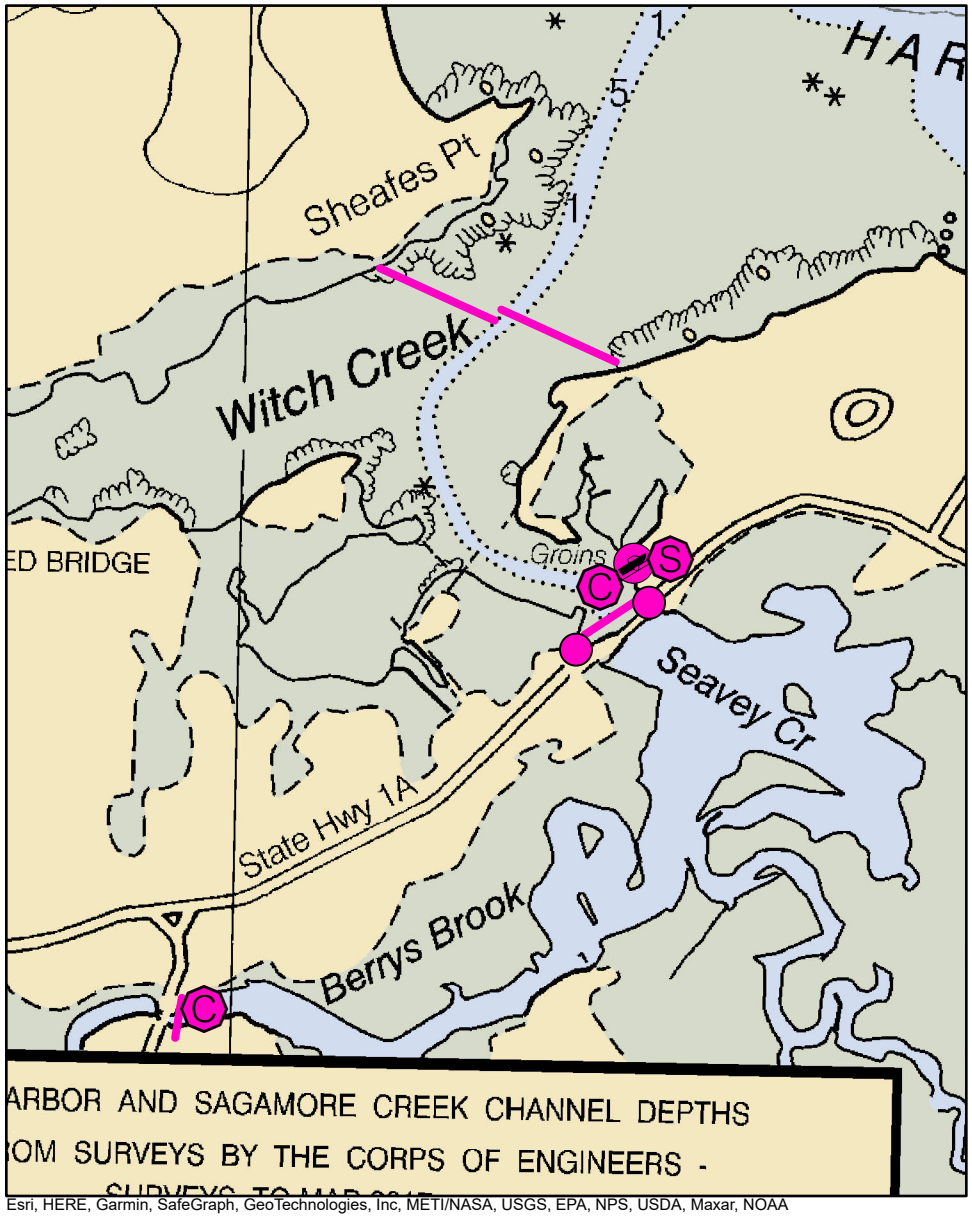
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-04-2 Witch Creek, Seavey Creek and Berrys Brook

**Town** Rye, NH
**Latitude** 43° 02.974' N **Longitude** 70° 43.793' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** **Ebb** 1.1
**Source** Estimated

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13283_1
**ESI Map #** 56B
**EVI Map #** 2
**DeLorme Map # (2019)** 30 (NH); 1 C4 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Riprap (6B)
**ESI Secondary Shoreline Type** Salt- and brackish-water marshes (10A)

**Environmental Concerns** Extensive salt marsh and tidal flats. Shellfish beds. Shorebird and waterfowl habitat.

**Archaeological Conflicts**

## Strategy Information

**Strategy Purpose** To prevent oil from entering Witch Creek, Seavey Creek and Berrys Brook.

**Staging Areas** Odiorne Point State Park boat launch at Seavey Creek on Route 1A

**Site Access** Same as staging area

**Nearest Boat Ramp** Route 1A Odiornes Point Boat Ramp (on site)

**Collection Points** On water collection if possible at Witch Creek. East shore of bridge at Seavey Creek, Brackett Road

**Special Instructions** May need traffic control at roadways

**Work Assignment** Primary: Deploy two 500 foot sections of boom across Witch Creek.

Secondaries: (1) Deploy 150 feet of boom across Seavey Creek at Route 1A attaching to permanent anchor points on site. (2) Protect culvert under Brackett Road at bridge using 50 foot segment of boom or alternate means of blocking flow through culvert (plywood and poly for underdam or sand and poly using excavator or skid steer).

## Recommended Equipment / Resources

**Length of Boom (feet)** Primary: 1000 Secondaries: 250

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

Primary:

2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
2 - shoreside connections
1 - skimmer and storage
1 - workboats with minimum 90 hp
1 - boat operators
2 - laborers

Secondary:

1 - vehicle with boom
2 - vacuum truck or skimmer and storage
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 10/29/2019 **Last Field Visit** 7/31/2003 **Last Field Test:** 8/11/2004

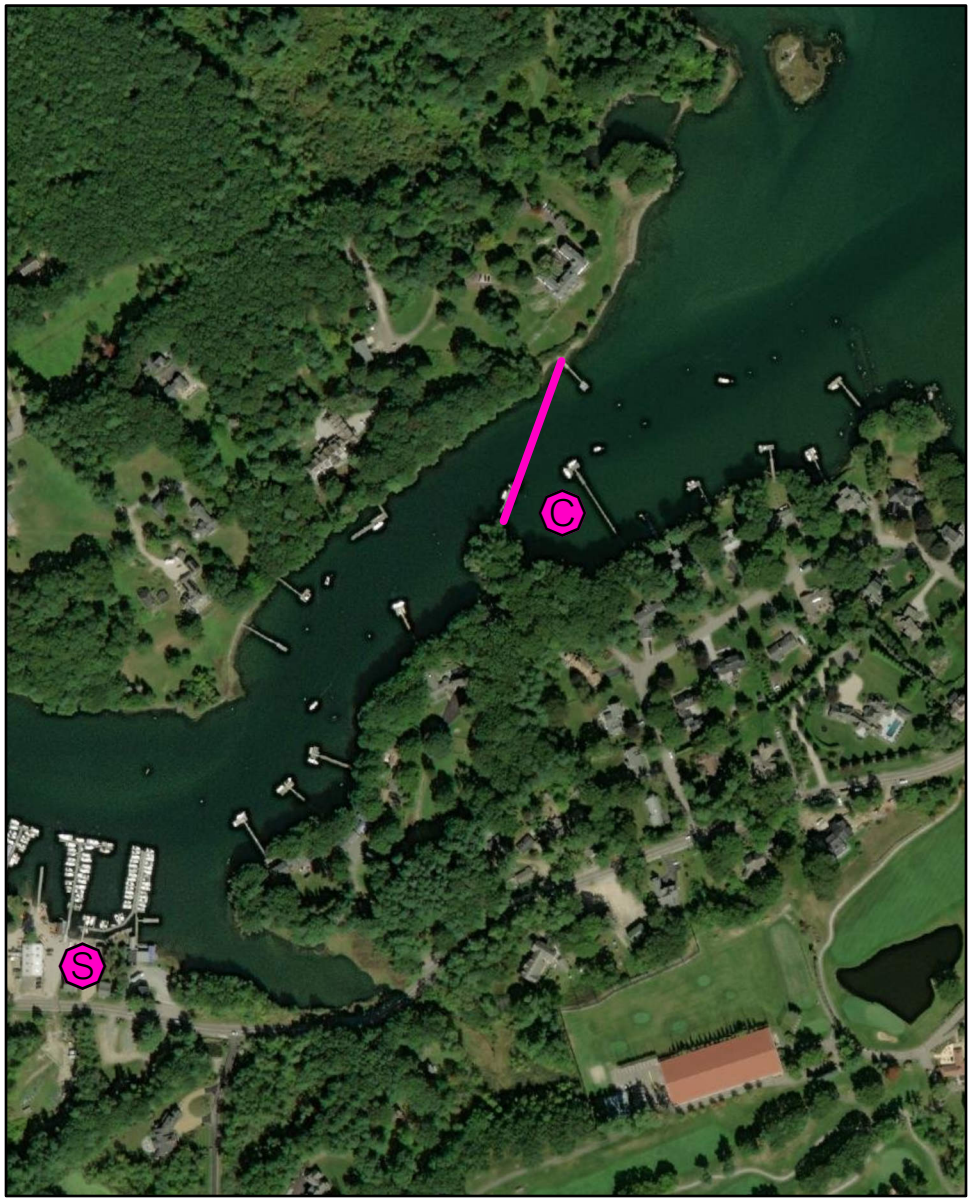
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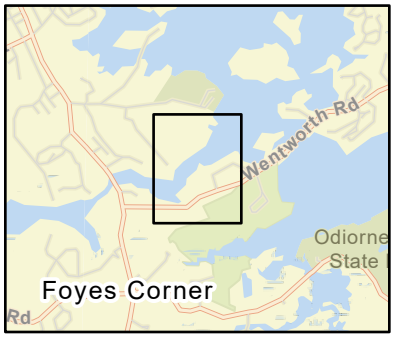
## Upper Sagamore Creek

## Portsmouth / Rye, NH

0 620 1,240 Feet

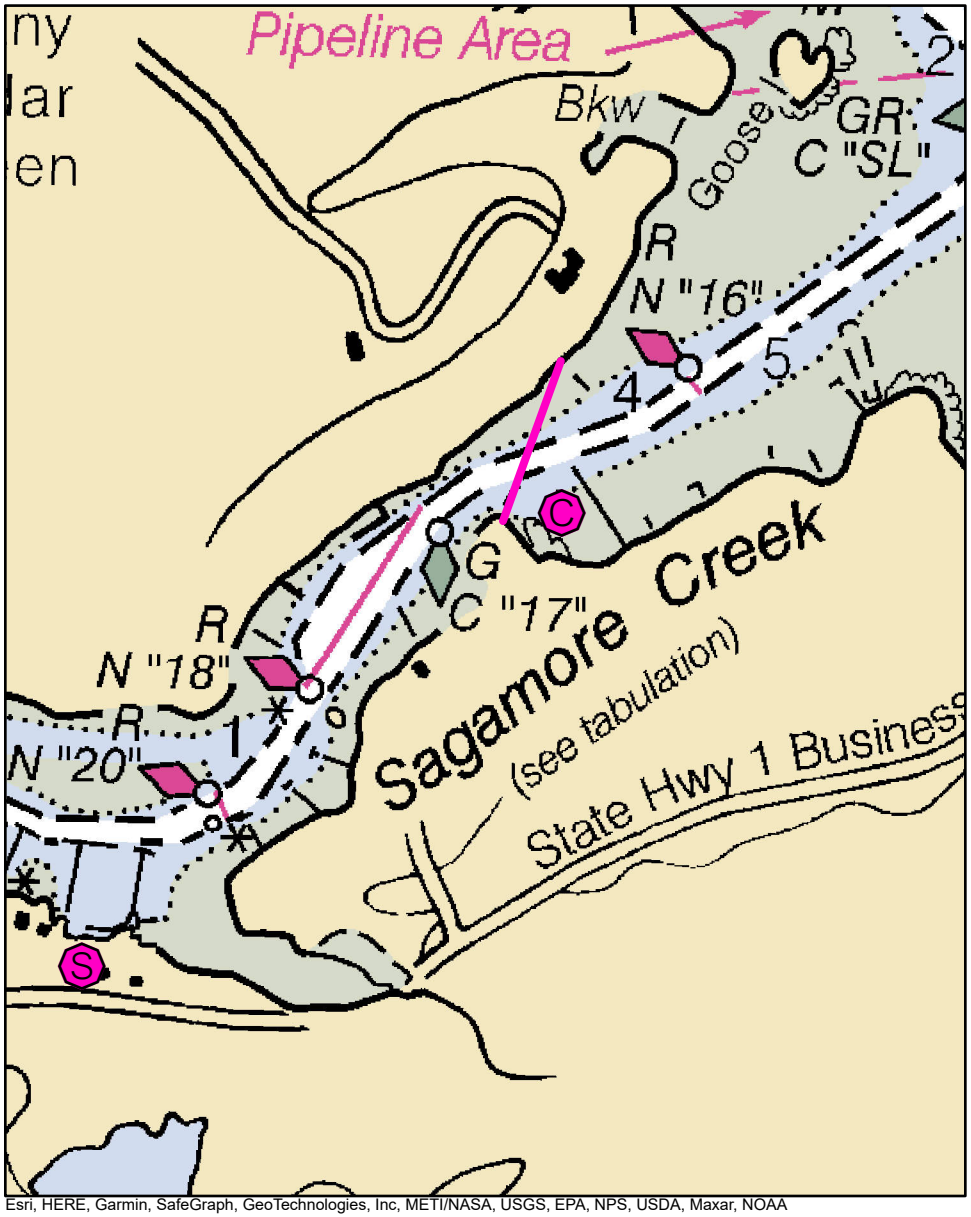
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-04-3 Upper Sagamore Creek

**Town** Portsmouth / Rye, NH
**Latitude** 43° 03.412' N **Longitude** 70° 44.381' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13283_1
**ESI Map #** 56B
**EVI Map #** 2
**DeLorme Map # (2019)** 30 (NH); 1 C4 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Vegetated low banks (9B)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Tidal flats, shorebird and waterfowl habitat, diadromous fish runs. Salt marsh at head of creek

**Archaeological Conflicts**

## Strategy Information

**Strategy Purpose** To prevent oil from entering Upper Sagamore Creek

**Staging Areas** BG's Boat House Restaurant & Marina, 191 Wentworth Road, Portsmouth, NH

**Site Access** Same as staging area

**Nearest Boat Ramp** BG's Boat House Restaurant & Marina, 191 Wentworth Road, Portsmouth, NH

**Collection Points** Possibly via skimmer on water

**Special Instructions** Very shallow at low tide.

**Work Assignment** Deploy 500 feet of boom across Sagamore Creek

## Recommended Equipment / Resources

**Length of Boom (feet)** 500

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
2 - shoreside connections
1 - skimmer and storage
1 - workboats with minimum 90 hp
1 - boat operators
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 10/29/2019 **Last Field Visit** 7/31/2003 **Last Field Test:** 9/29/2004

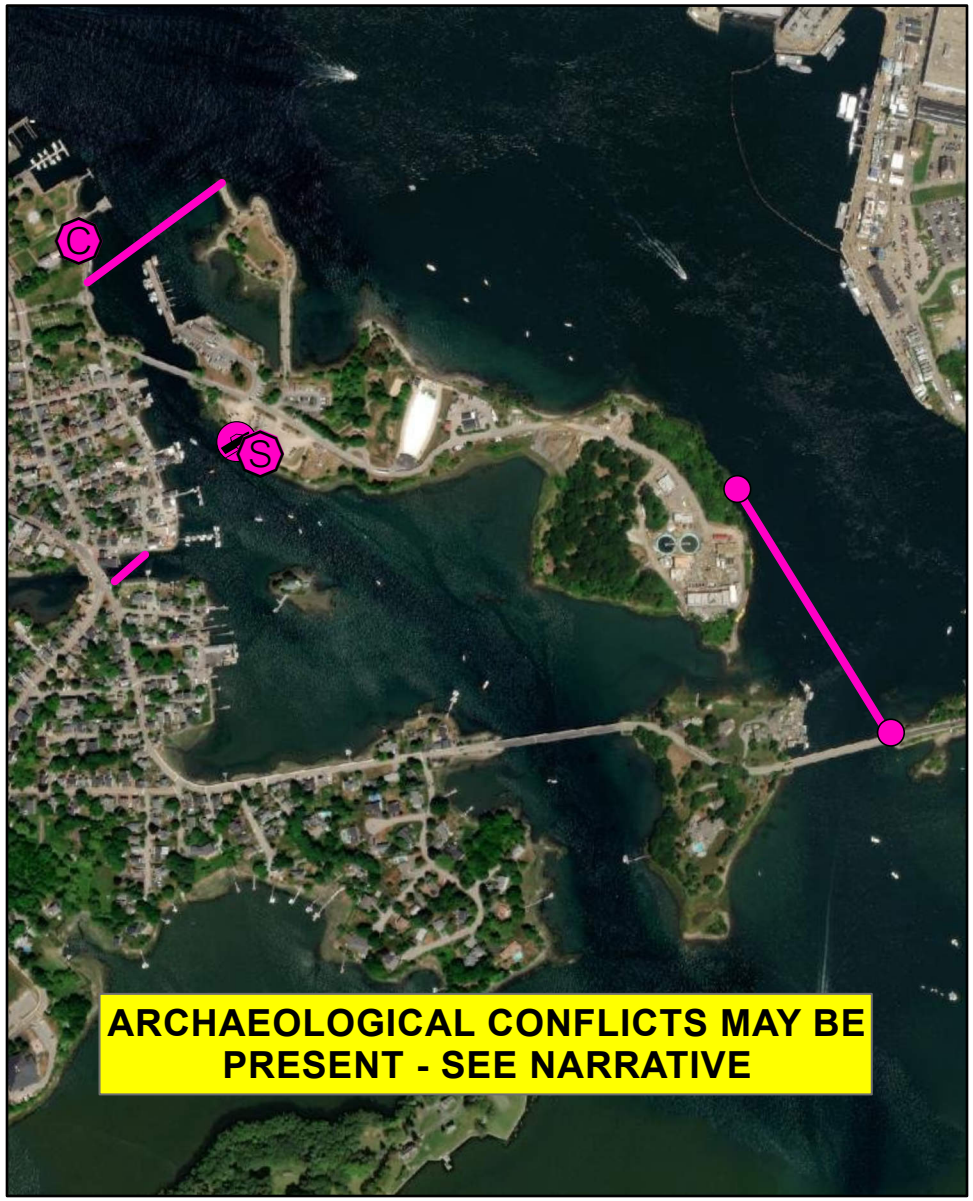
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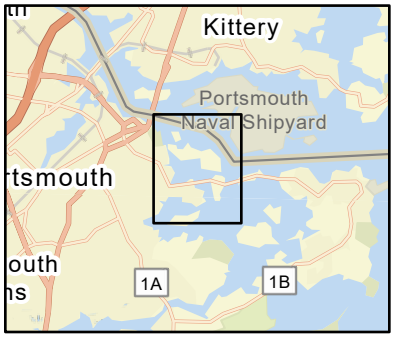
## Prescott Park, Peirce Is, Goat Is, So. Mill Pond

## Portsmouth, NH

0 1,000 2,000 Feet

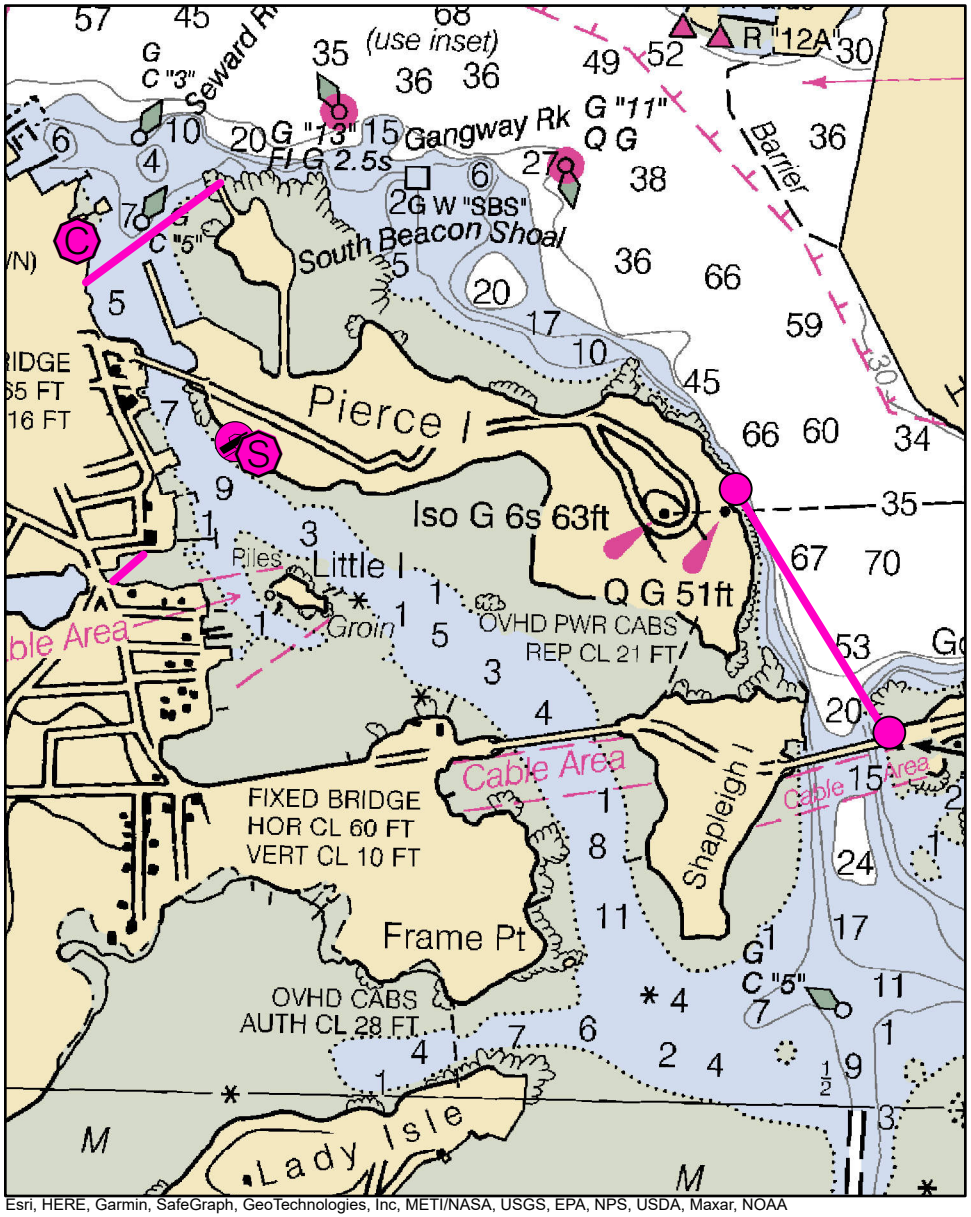
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-05-1 Prescott Park, Peirce Is, Goat Is, So. Mill Pond

**Town** Portsmouth, NH
**Latitude** 43° 04.328 N **Longitude** 70° 44.316 W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** 0.8 **Ebb** 0.7
**Source** NOAA current data

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13283_1
**ESI Map #** 54D, 56B
**EVI Map #** 2
**DeLorme Map # (2019)** 30 (NH); 1 C4 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Riprap (6B)
**ESI Secondary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)

**Environmental Concerns** tidal flats, shellfish beds, shorebirds and waterfowl

**Archaeological Conflicts** ME: None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

NH: Contact NHDHR at (603)-271-3484

## Strategy Information

**Strategy Purpose** To prevent oil from entering South Mill Pond and sheltered area inside of islands.

**Staging Areas** Peirce Island boat ramp, Portsmouth

**Site Access** Prescott Park: 105 Marcy St., Portsmouth
Peirce Island: Peirce Island Road, off of Marcy St., Portsmouth
Goat Island: New Castle Ave (Route 1B), Portsmouth / New Castle

**Nearest Boat Ramp** Peirce Island

**Collection Points** Prescott Park and Goat Island

**Special Instructions**

**Work Assignment**

1. Deploy 700 feet of boom from point of Four Tree Island to Prescott Park in Portsmouth (esp. for outgoing tide)

2. Deploy 1,250 feet of boom between permanent anchor pins on Goat and Peirce Island. Goat Island pin is just after the bridge coming from Portsmouth near the high tide line. Peirce Island pin is located on a large ledge below a utility pole, just below the high tide line on the shore of the wastewater treatment plant.

3. Close tidal gate at entrance to South Mill Pond and deploy sorbent boom along mud flat.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1950 **Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
4 - shoreside connections
2 - vacuum truck or skimmers and storage
1 - workboats with minimum 90 hp
1 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 10/29/2019 **Last Field Visit** 7/31/2003 **Last Field Test:** 5/20/2004

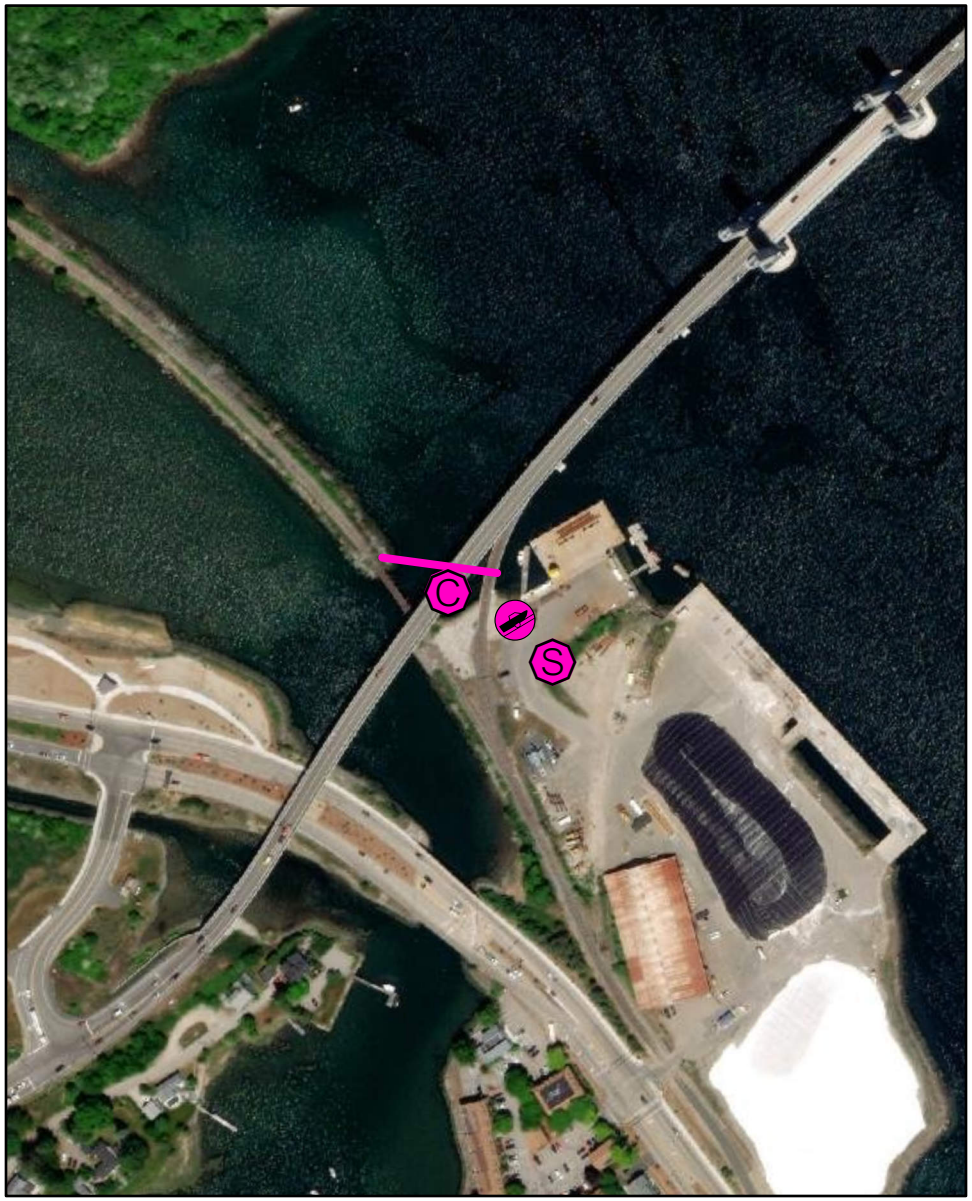
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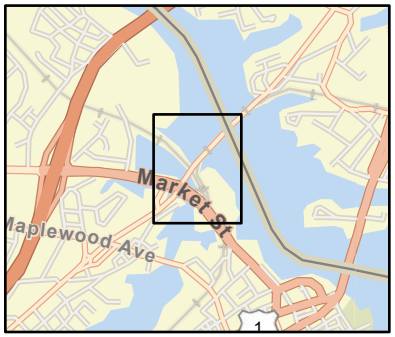
## North Mill Pond

## Portsmouth, NH

0 410 820 Feet

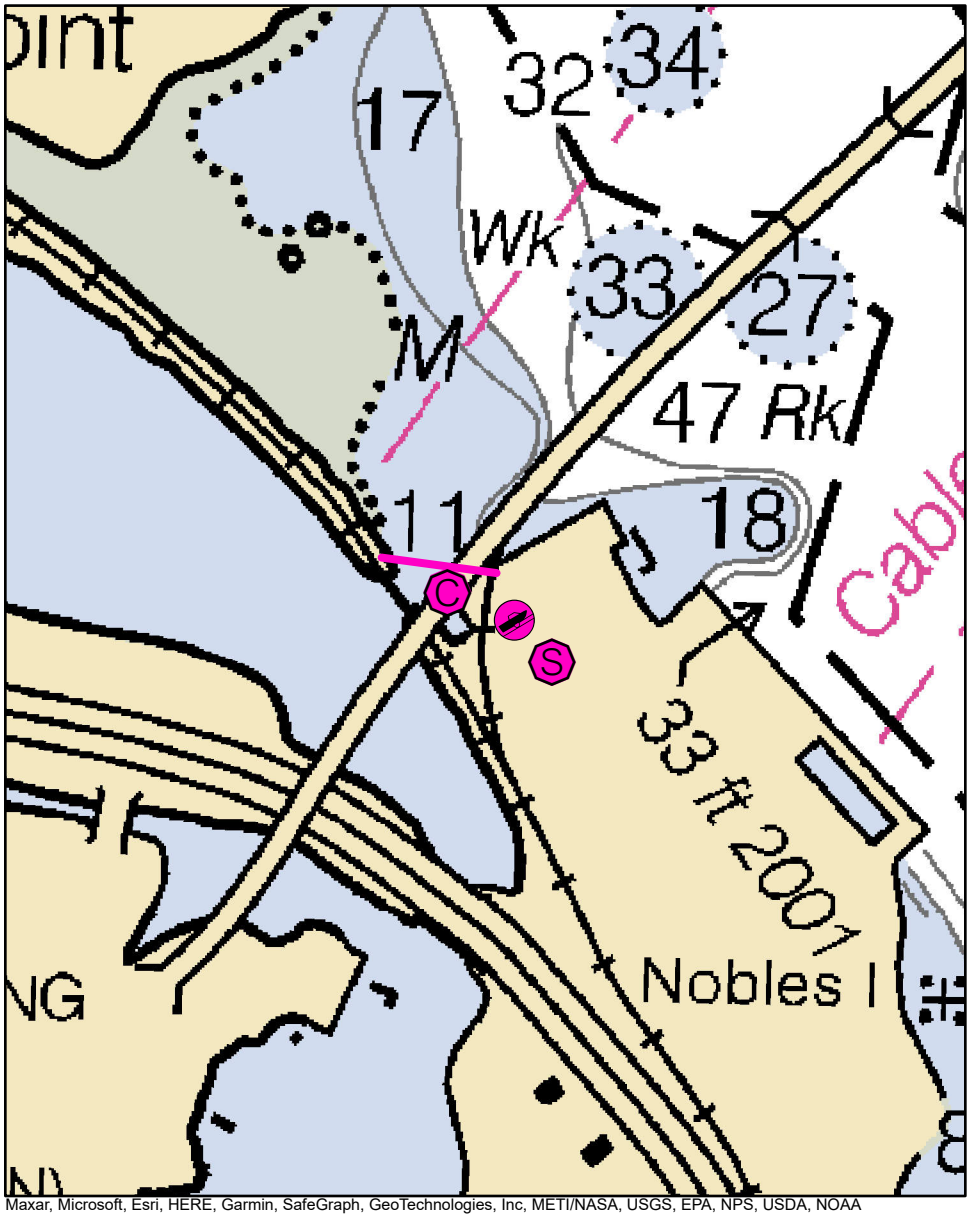
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Maxar, Microsoft, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, NOAA

# A-06-1 North Mill Pond

**Town** Portsmouth, NH
**Latitude** 43° 05.08 N **Longitude** 70° 45.822 W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13285_1
**ESI Map #** 54D
**EVI Map #** 2
**DeLorme Map # (2019)** 30 (NH); 1 C3, B3 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered riprap (8C)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Fringing salt marsh and tidal flats in North Mill Pond. Shellfish beds, shorebird and waterfowl habitat

**Archaeological Conflicts** ME: None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

NH: Contact NHDHR at (603)-271-3484

## Strategy Information

**Strategy Purpose** To prevent oil from entering North Mill Pond

**Staging Areas** NH Port Authority: 555 Market Street, Portsmouth

**Site Access** NH Port Authority: 555 Market Street, Portsmouth

**Nearest Boat Ramp** On site at NH Port Authority

**Collection Points** Boat ramp at NH Port Authority

**Special Instructions** Contact NH Port Authority: 603-436-8500

**Work Assignment** Deploy 200 feet of boom from boat launch at NH Port Authority (Nobles Island) to railroad bed on opposite side

## Recommended Equipment / Resources

**Length of Boom (feet)** 200 **Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
2 - shoreside connections
1 - vacuum truck or skimmer and storage
1 - workboats with minimum 90 hp
1 - boat operators
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 10/29/2019 **Last Field Visit** 7/31/2003 **Last Field Test:** 8/12/2004

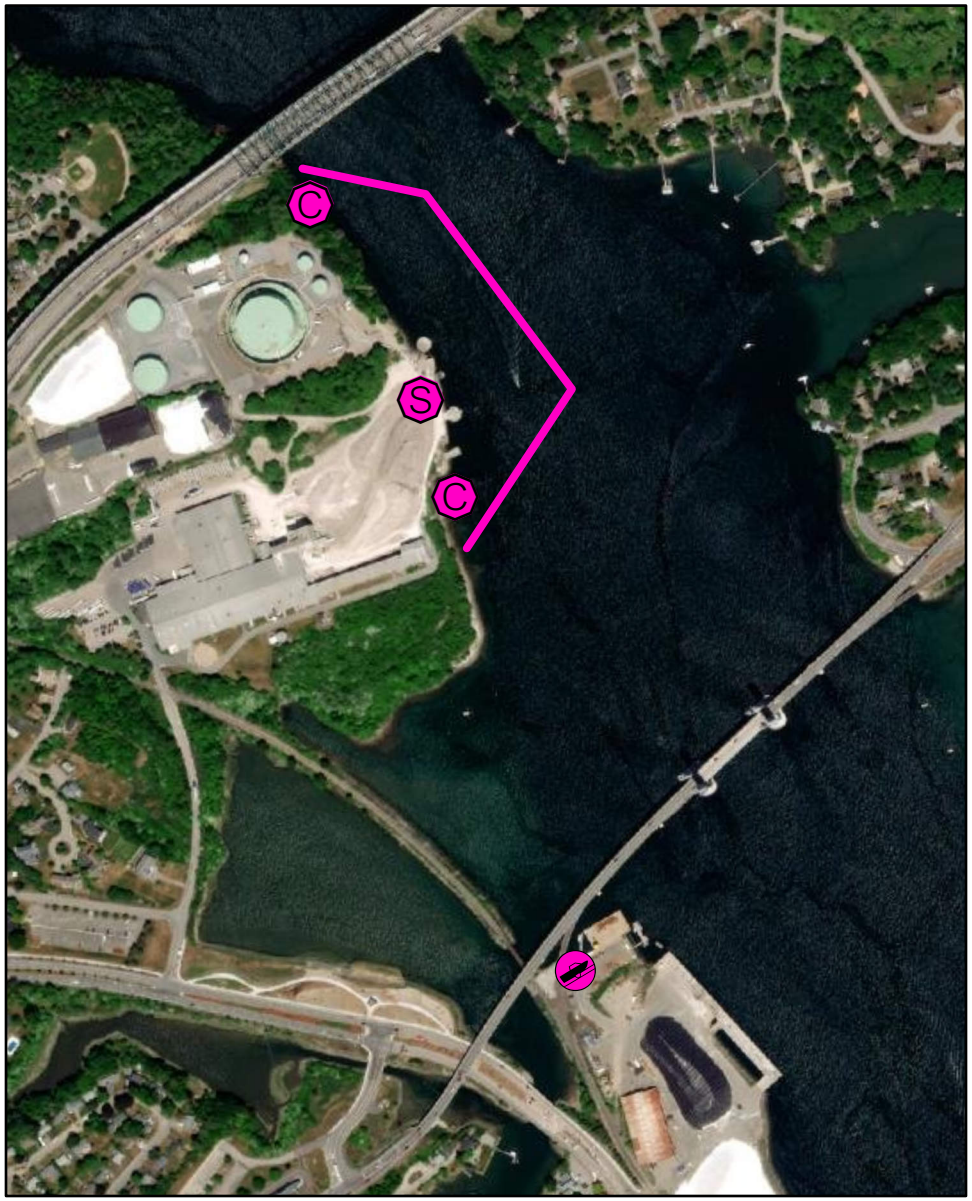
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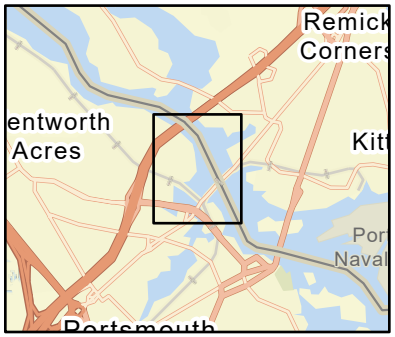
## Irving Oil Corporation Terminal (flood)

## Portsmouth, NH

0 825 1,650 Feet

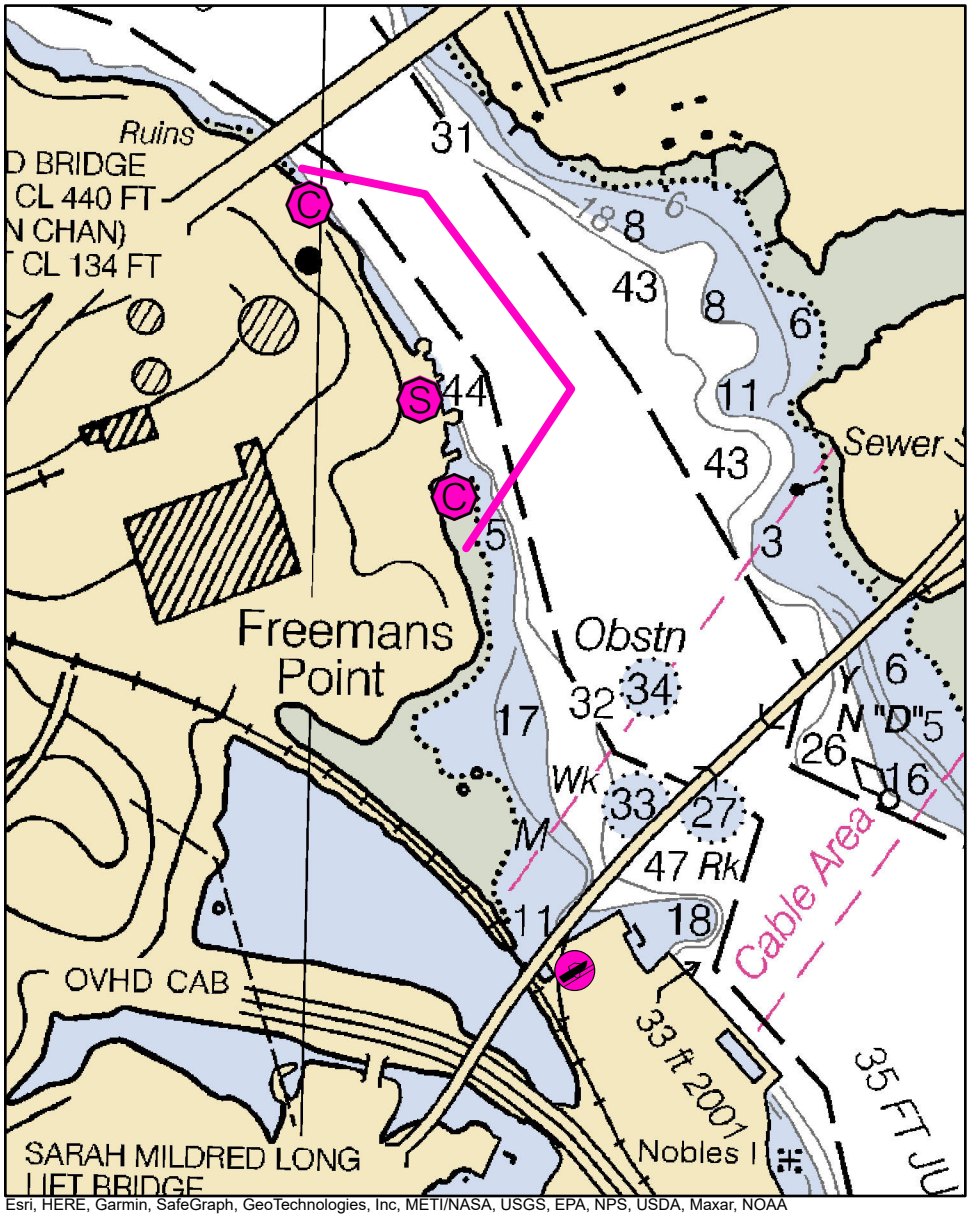
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-07-1 Irving Oil Corporation Terminal (flood)

**Town** Portsmouth, NH
**Latitude** 43° 05.400 N **Longitude** 70° 45.893 W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** 3.6 **Ebb** 5.5
**Source** Estimated

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13285_1
**ESI Map #** 54D
**EVI Map #** 2
**DeLorme Map # (2019)** 30 (NH); 1 B3,C3 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered, solid man-made structures (8B)
**ESI Secondary Shoreline Type** Vegetated low banks (9B)

**Environmental Concerns** Protects sensitive areas upstream of terminal

**Archaeological Conflicts** ME: None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

NH: Contact NHDHR at (603)-271-3484

## Strategy Information

**Strategy Purpose** Contain spill from terminal or docked tanker at facility

**Staging Areas** Irving Oil Terminal, 190 Commerce Way, Portsmouth. Boom is available on a reel on site

**Site Access** From terminal property or by boat from NH Port Authority, 555 Market Street, Portsmouth

**Nearest Boat Ramp** NH Port Authority boat ramp, 555 Market Street, Portsmouth

**Collection Points** Shore ends of deployment

**Special Instructions**

**Work Assignment** This is an Containment Configuration 2,500 feet long meant to contain a spill from the terminal or a vessel at the dock.

Deploy 450 feet of containment boom from north side of dock to a point in mid-channel of the river. Deploy 900 feet of containment boom parallel to the dock. Deploy 700 feet of containment boom back to the southern shoreline.

## Recommended Equipment / Resources

**Length of Boom (feet)** 2500

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys.
2 - shoreside connections.
1 - skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
6 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 6/19/2003 **Last Field Test:** 5/20/2004

# A-07-2

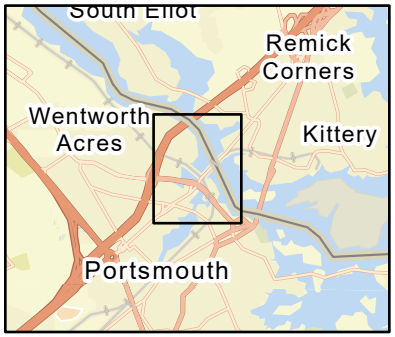
## Irving Oil Corporation Terminal (ebb)

## Portsmouth, NH

0 1,000 2,000 Feet

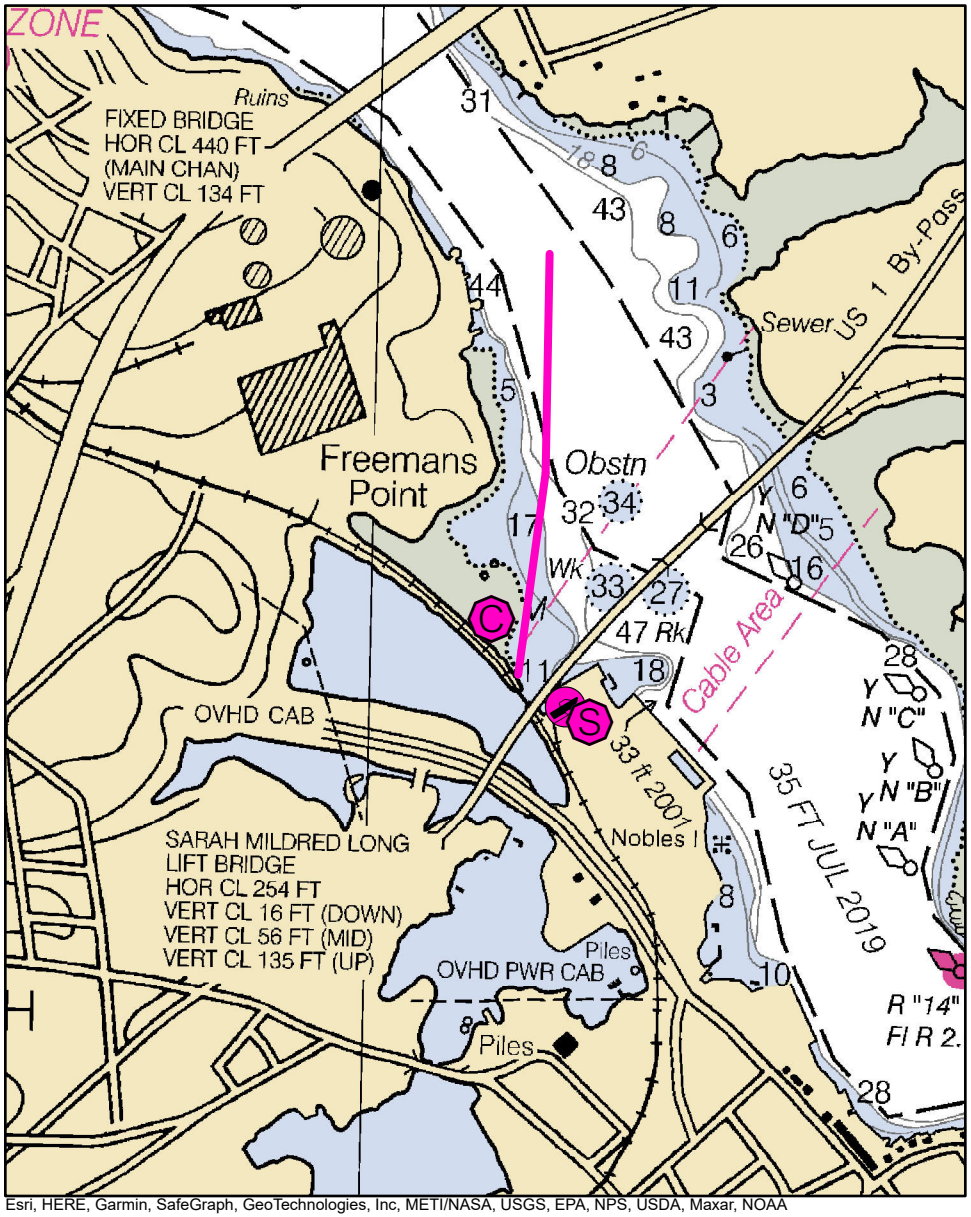
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-07-2 Irving Oil Corporation Terminal (ebb)

**Town** Portsmouth, NH
**Latitude** 43° 05.400 N **Longitude** 70° 45.893 W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** 3.6 **Ebb** 5.5
**Source** Estimated

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13285_1
**ESI Map #** 54D
**EVI Map #** 2
**DeLorme Map # (2019)** 30 (NH); 1 B3,C3 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered riprap (8C)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Protects sensitive areas downstream of terminal

**Archaeological Conflicts** ME: None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

NH: Contact NHDHR at (603)-271-3484

## Strategy Information

**Strategy Purpose** Contain spill from terminal or docked tanker at facility

**Staging Areas** NH Port Authority, 555 Market Street, Portsmouth. 4,000 feet of boom on reel at Port Authority.

**Site Access** NH Port Authority, 555 Market Street, Portsmouth

**Nearest Boat Ramp** NH Port Authority boat ramp, 555 Market Street, Portsmouth

**Collection Points** Shore end of deployment at railroad bridge

**Special Instructions**

**Work Assignment** Deploy 1,000 feet of containment boom from shore at railroad bridge out into channel. Deploy a second 1,000 feet of boom from first leg out to mid-point of channel

## Recommended Equipment / Resources

**Length of Boom (feet)** 2000 **Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys.
1 - shoreside connections.
1 - skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 6/19/2003 **Last Field Test:** 5/20/2004

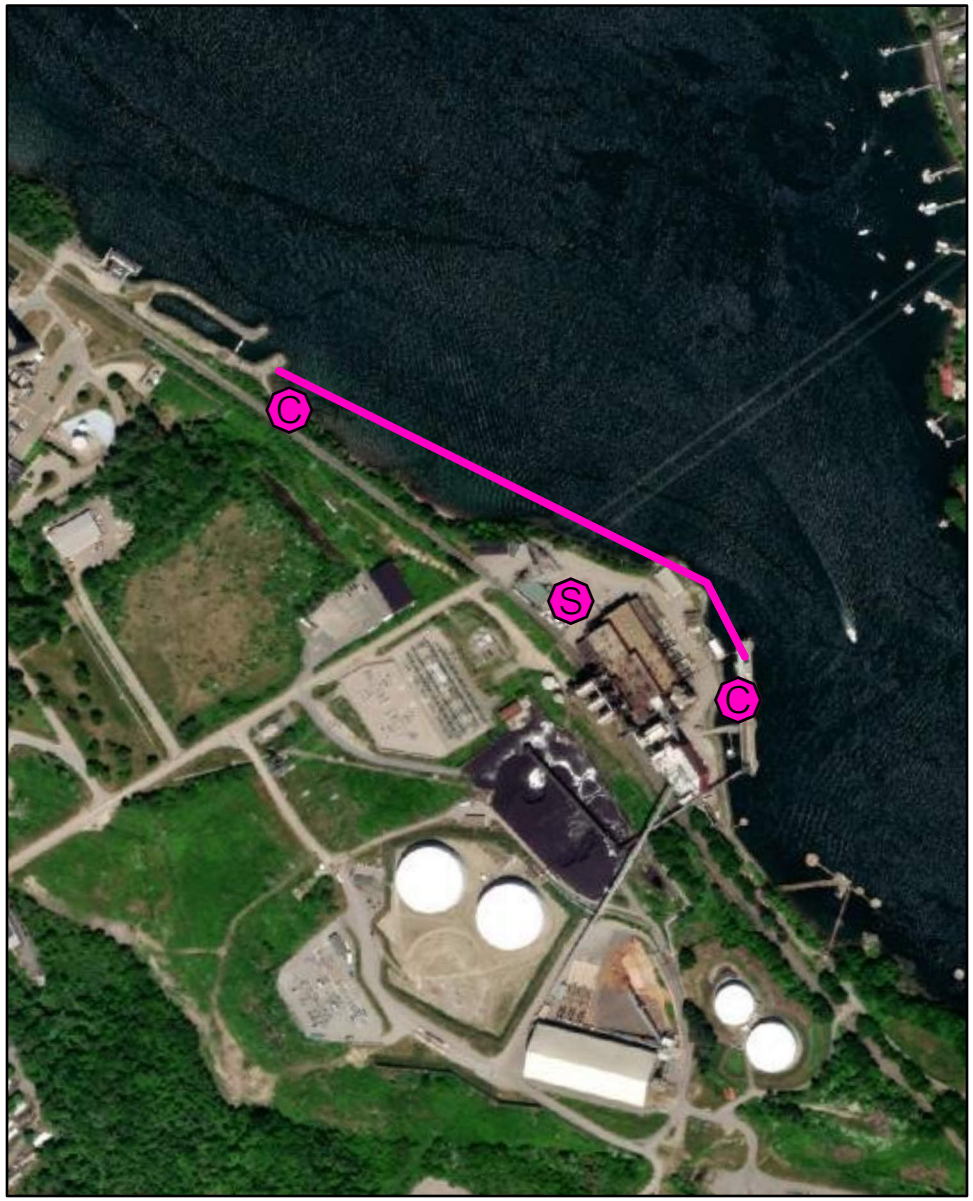
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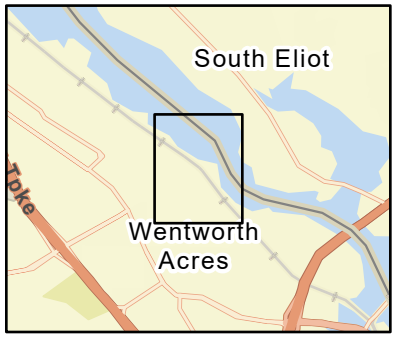
## Granite Shore Power Dock (flood)

## Portsmouth, NH

0 725 1,450 Feet

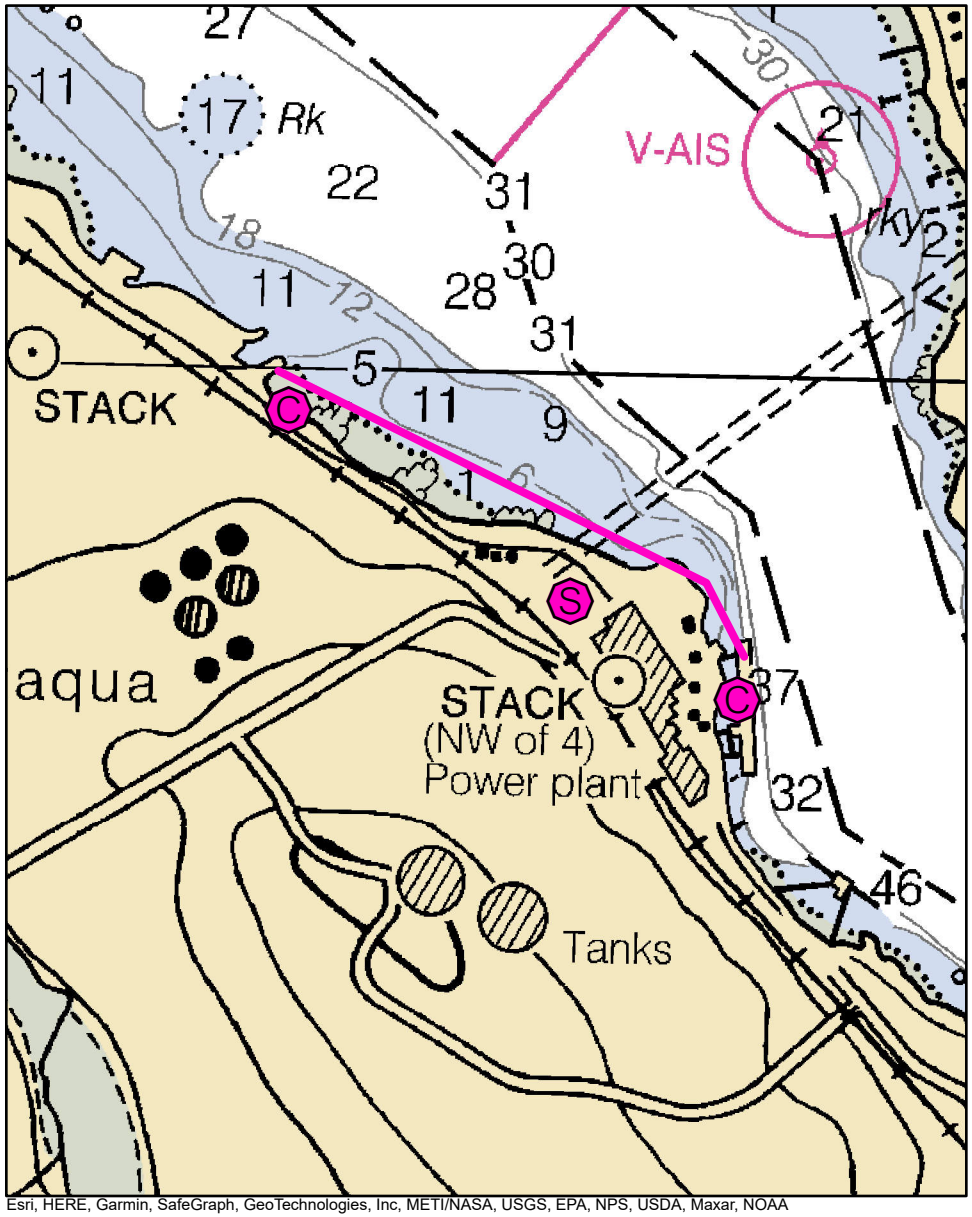
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-08-1 Granite Shore Power Dock (flood)

**Town** Portsmouth, NH
**Latitude** 43° 05.862 N **Longitude** 70° 46.950 N
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** 3.9 **Ebb** 4.1
**Source** Estimated

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13285_1
**ESI Map #** 55B, 54D
**EVI Map #** 2
**DeLorme Map # (2019)** 30 (NH); 1 B3 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered, solid man-made structures (8B)
**ESI Secondary Shoreline Type** Sheltered tidal flats (7)

**Environmental Concerns** Protects sensitive areas upstream of facility

**Archaeological Conflicts** ME: None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

NH: Contact NHDHR at (603)-271-3484

## Strategy Information

**Strategy Purpose** To contain a spill from facility or ship at site

**Staging Areas** Granite Shore Power Schiller Station, 400 Gosling Road, Portsmouth

**Site Access** Granite Shore Power Schiller Station, 400 Gosling Road, Portsmouth

**Nearest Boat Ramp** NH Port Authority boat ramp, 555 Market Street, Portsmouth

**Collection Points** Shore line eddies near each plant

**Special Instructions**

**Work Assignment**

Deploy 1700' of boom from boom reel on site. Connect one end to NT cooling water outfall. Connect other end to north dock or ship.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1700

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

1 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys.
2 - shoreside connections.
1 - skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 6/19/2003 **Last Field Test:** 9/8/2004

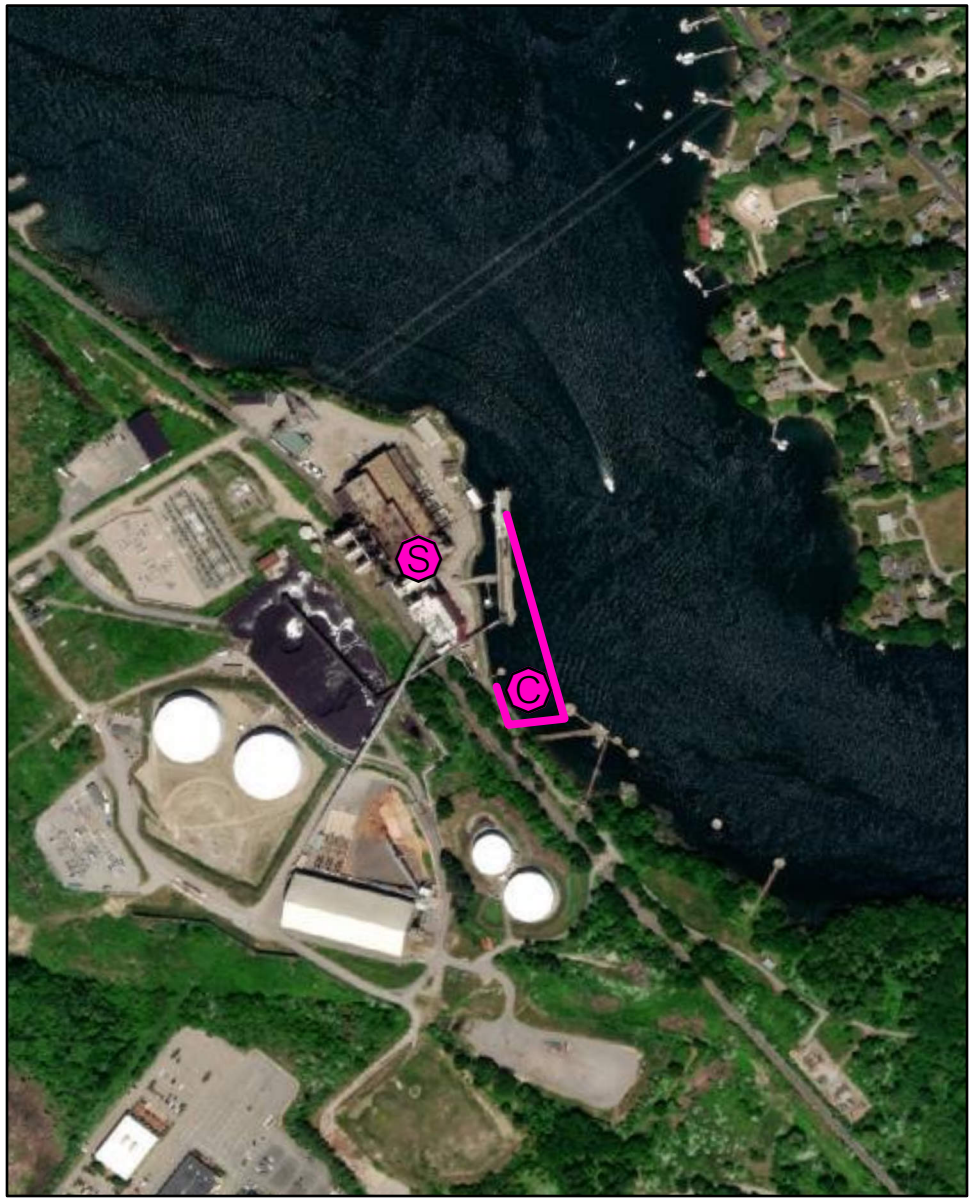
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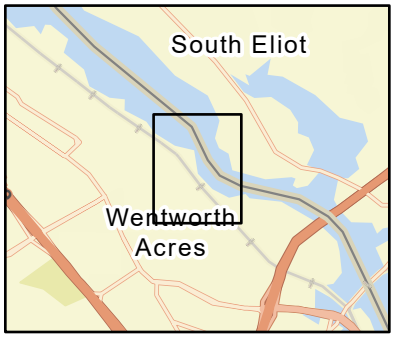
## Granite Shore Power Dock (ebb)

## Portsmouth, NH

0 725 1,450 Feet

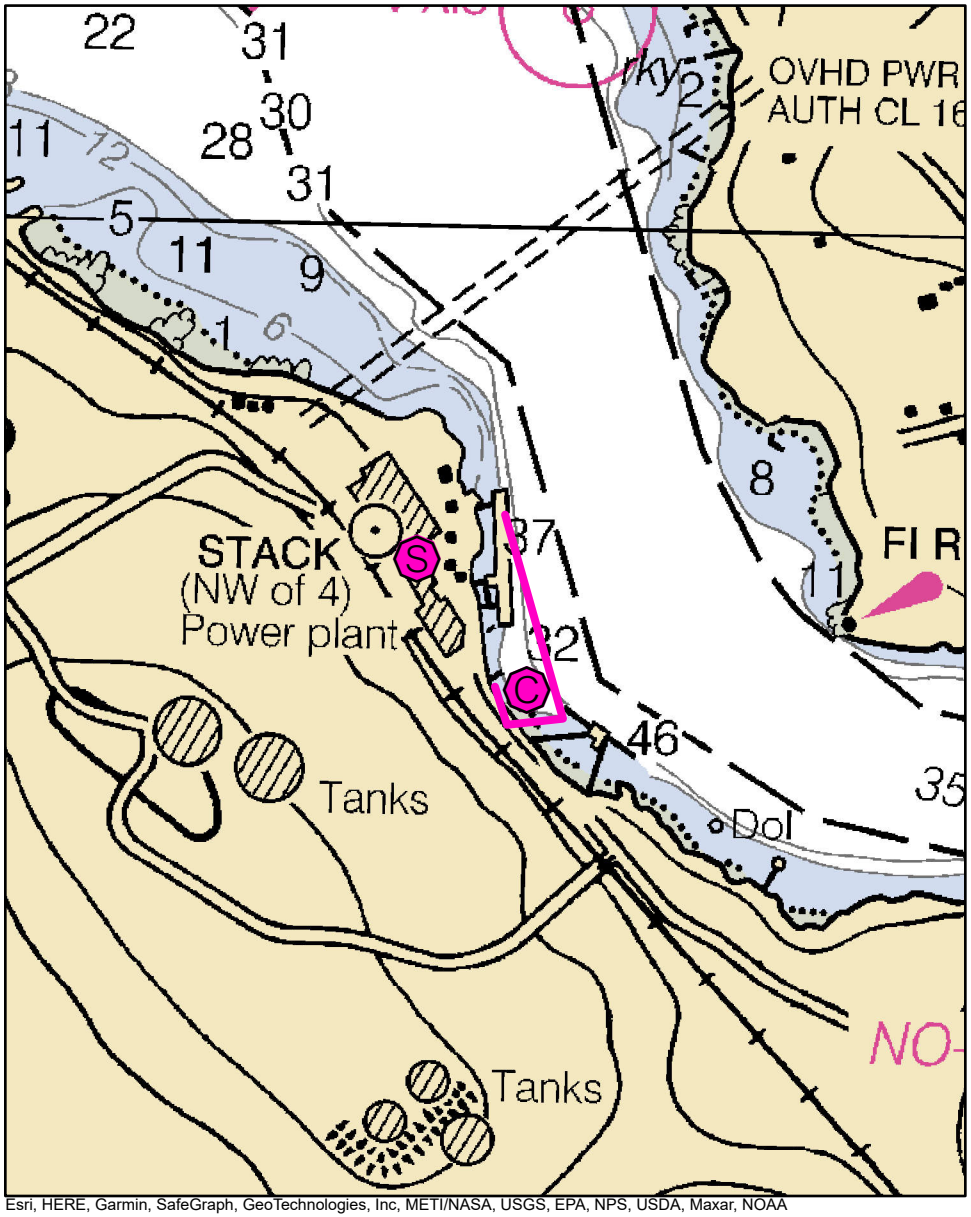
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-08-2 Granite Shore Power Dock (ebb)

**Town** Portsmouth, NH
**Latitude** 43° 05.862 N **Longitude** 70° 46.950 N
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** 3.9 **Ebb** 4.1
**Source** Estimated

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13285_1
**ESI Map #** 55B, 54D
**EVI Map #** 2
**DeLorme Map # (2019)** 30 (NH); 1 B3 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered riprap (8C)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Protects sensitive areas downstream of facility

**Archaeological Conflicts** ME: None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

NH: Contact NHDHR at (603)-271-3484

## Strategy Information

**Strategy Purpose** To contain a spill from facility or ship at site

**Staging Areas** Granite Shore Power Schiller Station, 400 Gosling Road, Portsmouth, NH

**Site Access** Granite Shore Power Schiller Station, 400 Gosling Road, Portsmouth, NH

**Nearest Boat Ramp** NH Port Authority boat ramp, 555 Market Street, Portsmouth, NH

**Collection Points** Shore line eddies at shore

**Special Instructions**

**Work Assignment** Deploy 950' of boom from boom reel on site to north end of dock tide riser.
Deploy 150' of boom of boom from boom reel to shore

## Recommended Equipment / Resources

**Length of Boom (feet)** 1100 **Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
4 - shoreside connections.
1 - skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 6/19/2003 **Last Field Test:** 10/18/2006

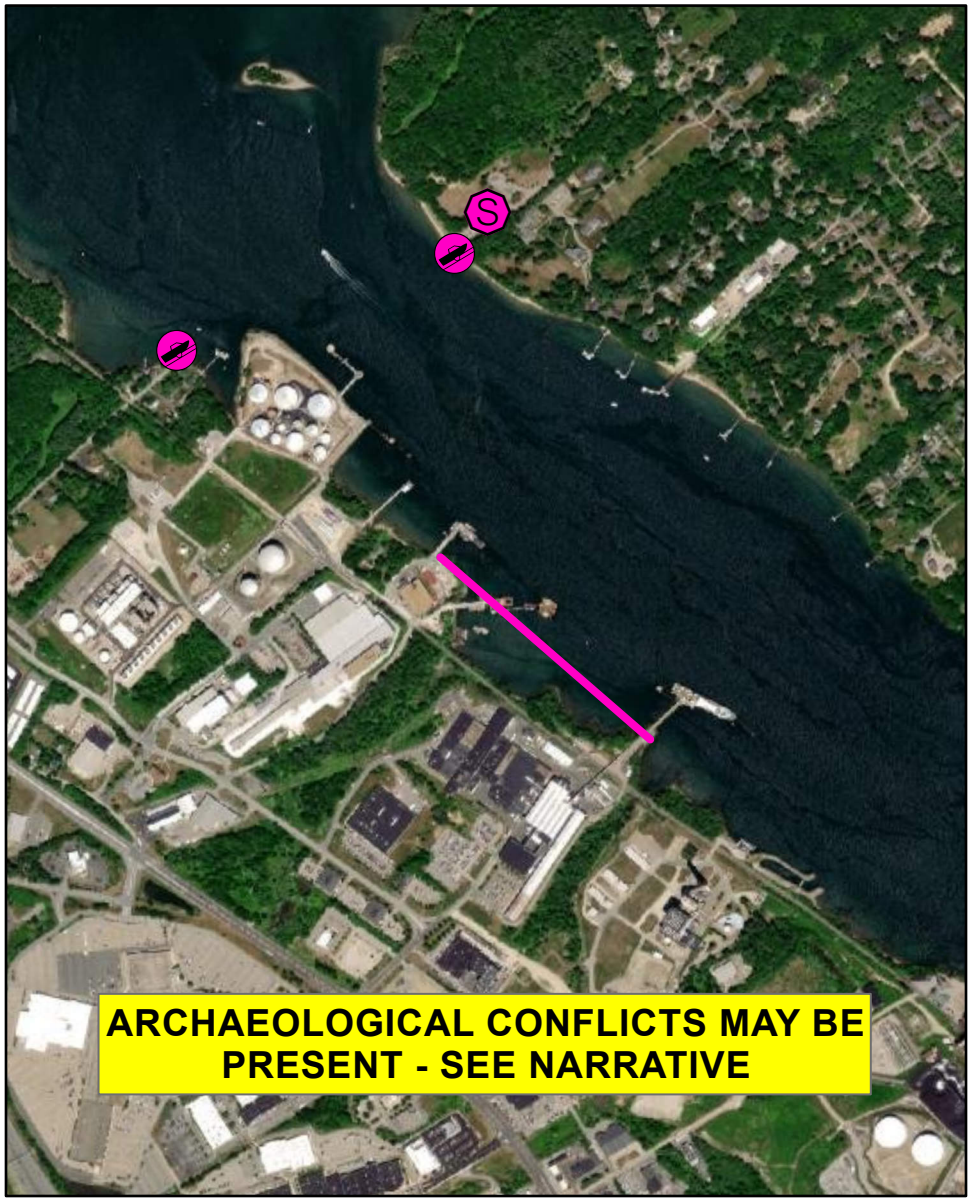
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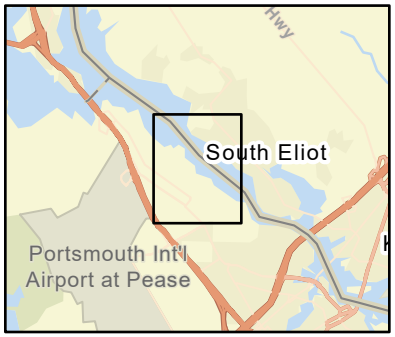
## Between Little Bay Lobster and SubCom

## Newington, NH

0 1,000 2,000 Feet

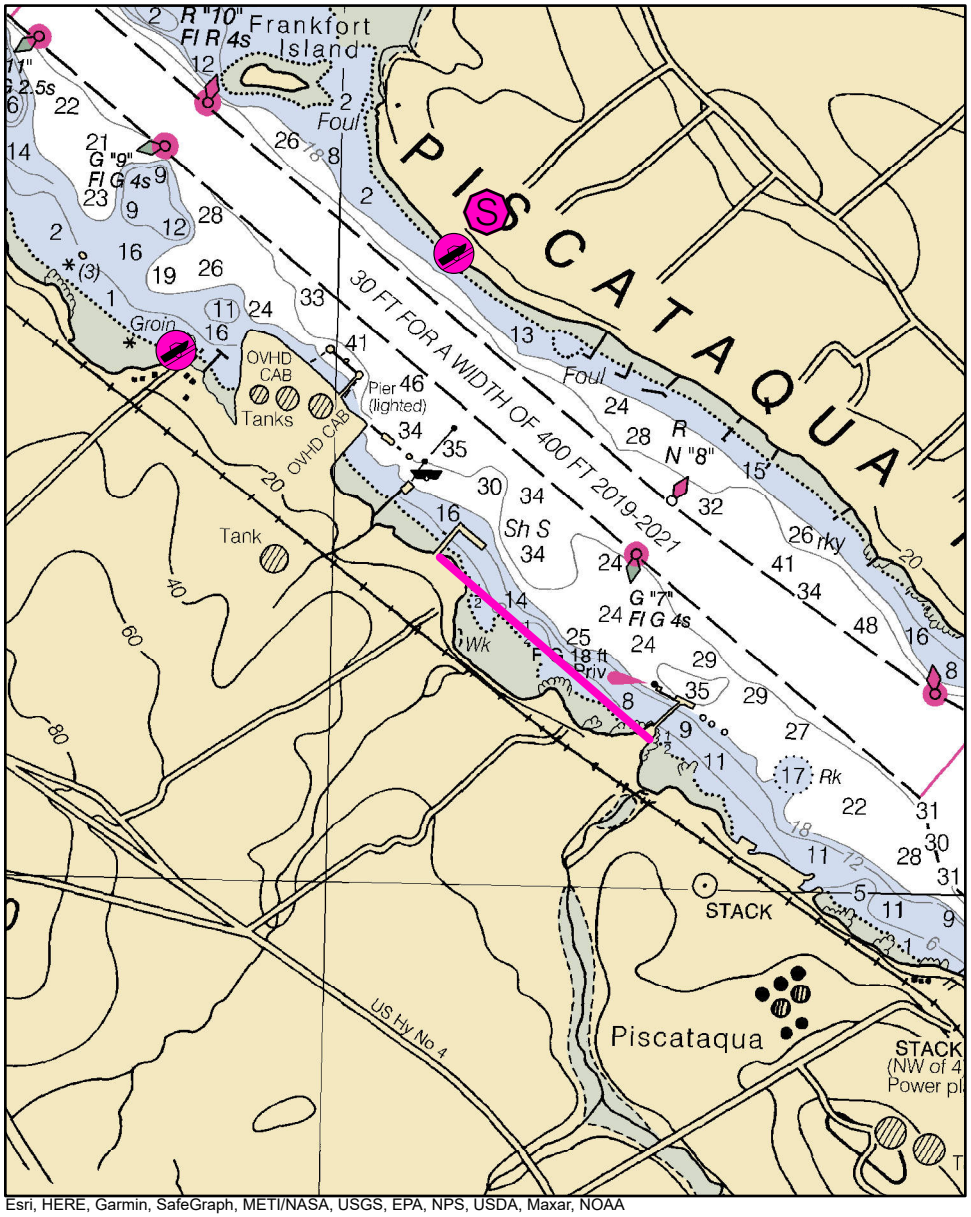
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck



# A-09-1 Between Little Bay Lobster and SubCom

**Town** Newington, NH
**Latitude** 43° 06.381' N **Longitude** 70° 47.789' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** 2.6 **Ebb** 2.9
**Source** NOAA current data

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13285_1
**ESI Map #** 55B
**EVI Map #** 2
**DeLorme Map # (2019)** 30 (NH); 1 B3 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered tidal flats (9A)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Water intakes at Little Bay Lobster Co. 603-431-3170

**Archaeological Conflicts** ME: No conflict as designed. Deviations from GRS staging area will require MHPC review. Contact MHPC at (207) 287-2132.

NH: Contact NHDHR at (603)-271-3484

## Strategy Information

**Strategy Purpose** To protect historical barge near shoreline

**Staging Areas** Eliot boat ramp, 90 Hammond Lane, Eliot, ME, or possibly from Little Bay Lobster or SubCom

**Site Access** By boat, or possibly from Little Bay Lobster, 158 Shattuck Way, Newington or SubCom, 100 Piscataqua Drive, Newington

**Nearest Boat Ramp** Eliot boat launch, across river at 90 Hammond Lane, Eliot, ME

**Collection Points** N/A

**Special Instructions**

**Work Assignment** Deploy 1,800 feet of containment boom between docks

## Recommended Equipment / Resources

**Length of Boom (feet)** 1800

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
2 - shoreside connections.
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 6/19/2003 **Last Field Test:**

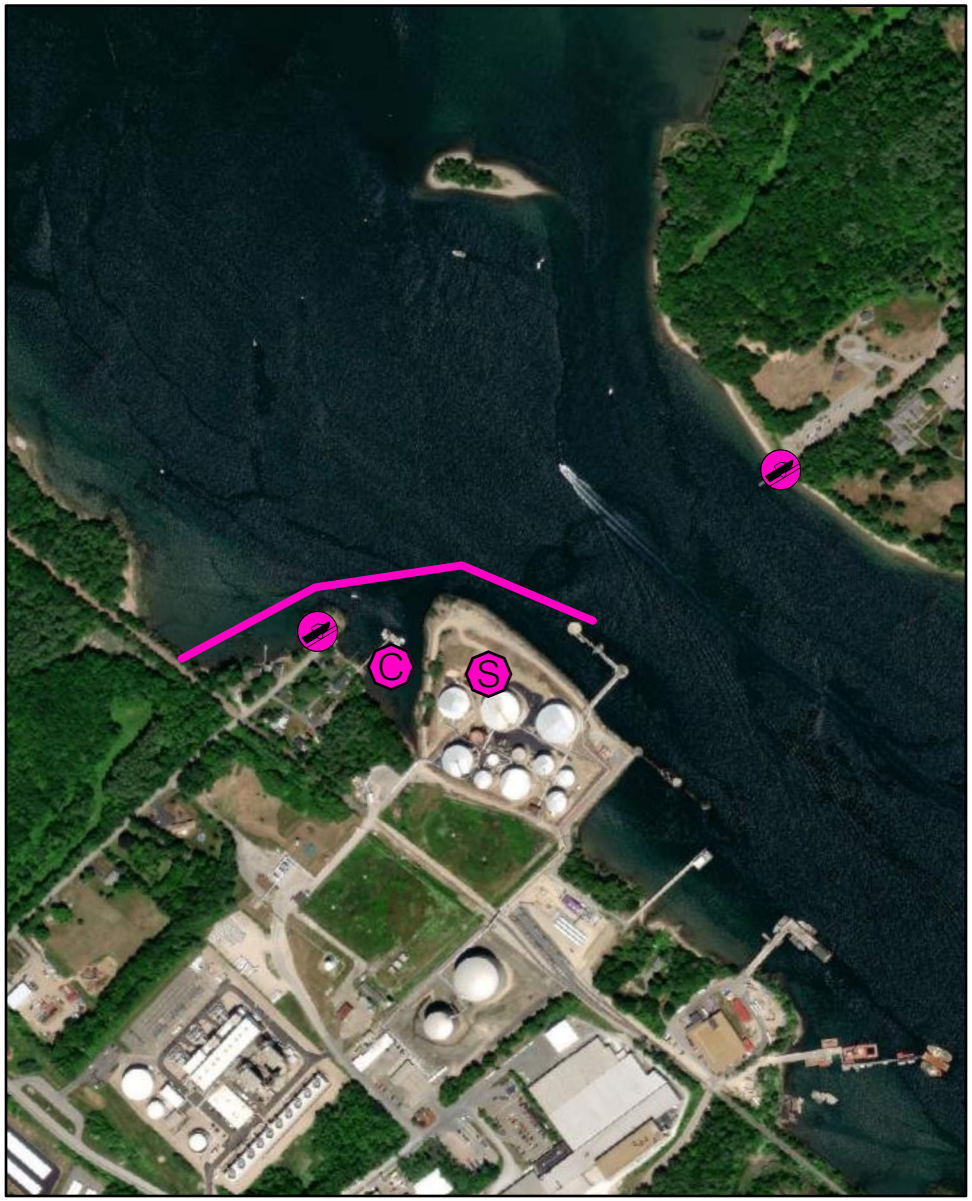
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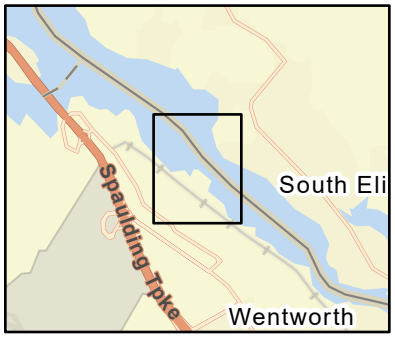
## Sprague Avery Lane (flood)

## Newington, NH

0 925 1,850 Feet

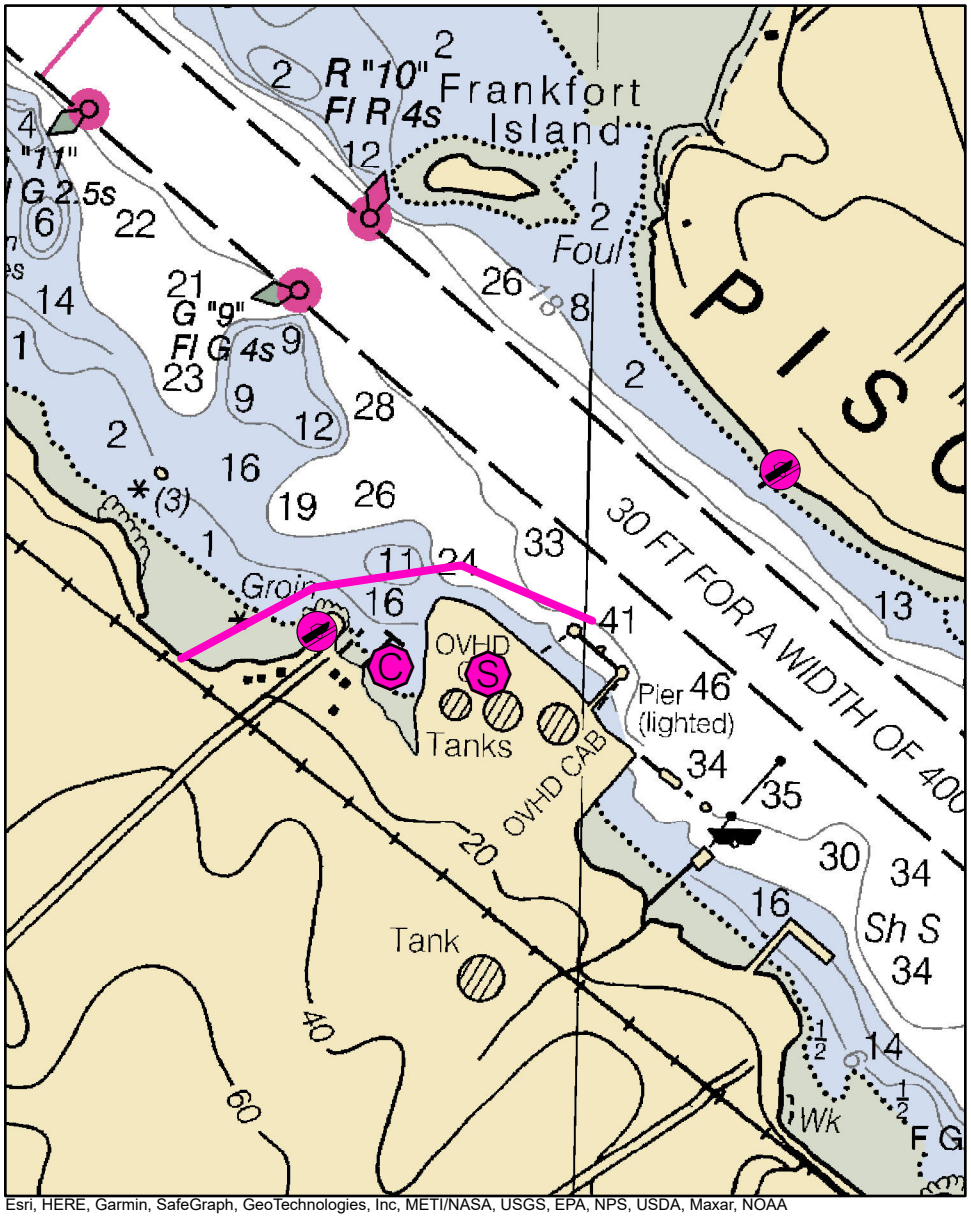
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-10-1 Sprague Avery Lane Terminal (flood)

**Town** Newington, NH
**Latitude** 43° 06.573' N **Longitude** 70° 48.011' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** 2.6 **Ebb** 2.9
**Source** NOAA current data

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13285_1
**ESI Map #** 55B
**EVI Map #** 2
**DeLorme Map # (2019)** 30 (NH); 1 B3 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered tidal flats (9A)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Water intakes for Little Bay Lobster Co. 603-431-3170

**Archaeological Conflicts** ME: None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

NH: Contact NHDHR at (603)-271-3484

## Strategy Information

**Strategy Purpose** To contain oil at Sprague dock on a flooding tide

**Staging Areas** Sprague Avery Lane terminal, 194 Shattuck Way, Newington

**Site Access** From Sprague terminal

**Nearest Boat Ramp** Patterson Lane, just north of site or across river at Eliot boat launch, 90 Hammond Lane, Eliot, ME

**Collection Points** Between the boom and the shore at terminal

**Special Instructions**

**Work Assignment** Deploy three 600 foot sections of boom between outboard side of ship or North Dolphin to upstream shore in the cove at approximately 43° 06.553' N, 70° 48.344' W. Boom is located on site at terminal.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1800 **Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys.
2 - shoreside connections.
1 - skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 6/19/2003 **Last Field Test:** 5/4/2005

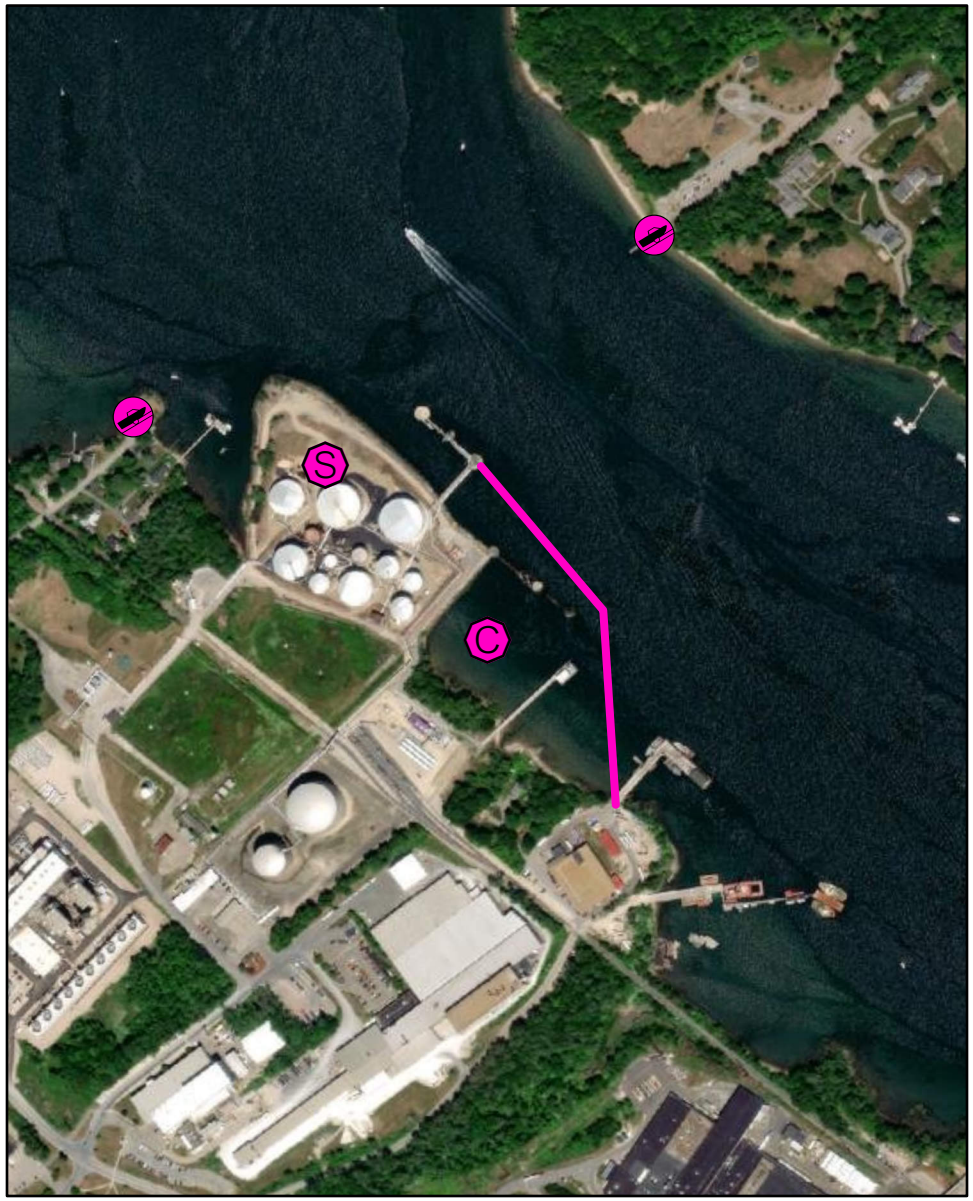
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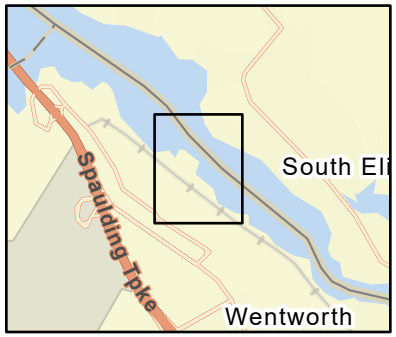
## Sprague Avery Lane Terminal (ebb)

## Newington, NH

0 825 1,650 Feet

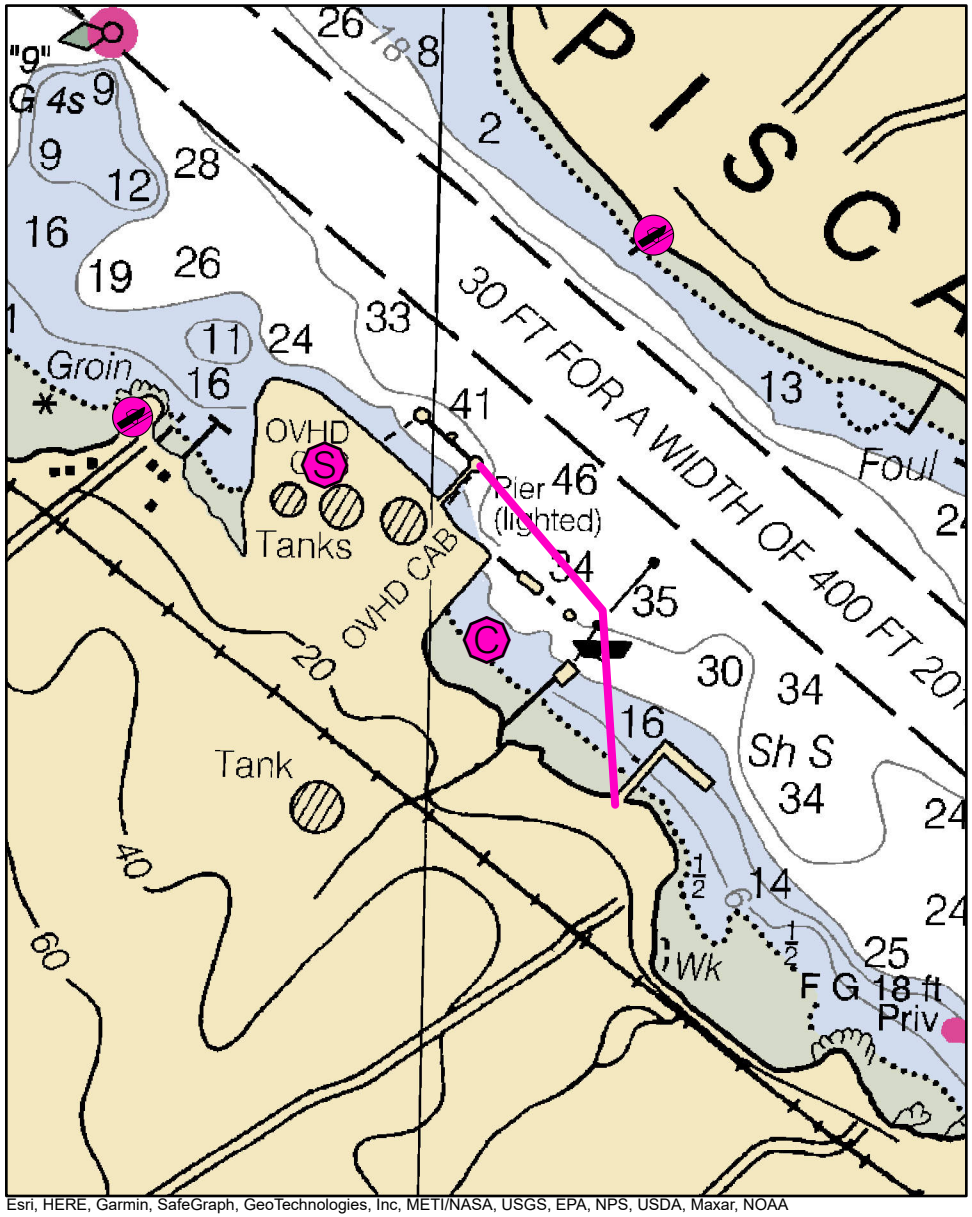
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-10-2 Sprague Avery Lane Terminal (ebb)

**Town** Newington, NH
**Latitude** 43° 06.525' N **Longitude** °70 47.943' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** 2.6 **Ebb** 2.9
**Source** NOAA current data

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13285_1
**ESI Map #** 55B
**EVI Map #** 2
**DeLorme Map # (2019)** 30 (NH); 1 B3 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered tidal flats (9A)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Water Intakes for Little Bay Lobster Co. 603-431-3170

**Archaeological Conflicts** ME: None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

NH: Contact NHDHR at (603)-271-3484

## Strategy Information

**Strategy Purpose** To contain oil at Sprague dock on an ebbing tide.

**Staging Areas** Sprague Avery Lane terminal, 194 Shattuck Way, Newington

**Site Access** From Sprague terminal

**Nearest Boat Ramp** Patterson Lane, just north of site or across river at Eliot boat launch, 90 Hammond Lane, Eliot, ME

**Collection Points** Between the boom and the shore at terminal

**Special Instructions**

**Work Assignment** Deploy two 700 foot sections of containment boom between outboard side of ship or South Dolphin to downstream shore at the base of the dock at Little Bay Lobster Co. Boom is located on site at terminal.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1400 **Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
1 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys.
2 - shoreside connections.
1 - skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 6/19/2003 **Last Field Test:** 5/4/2005

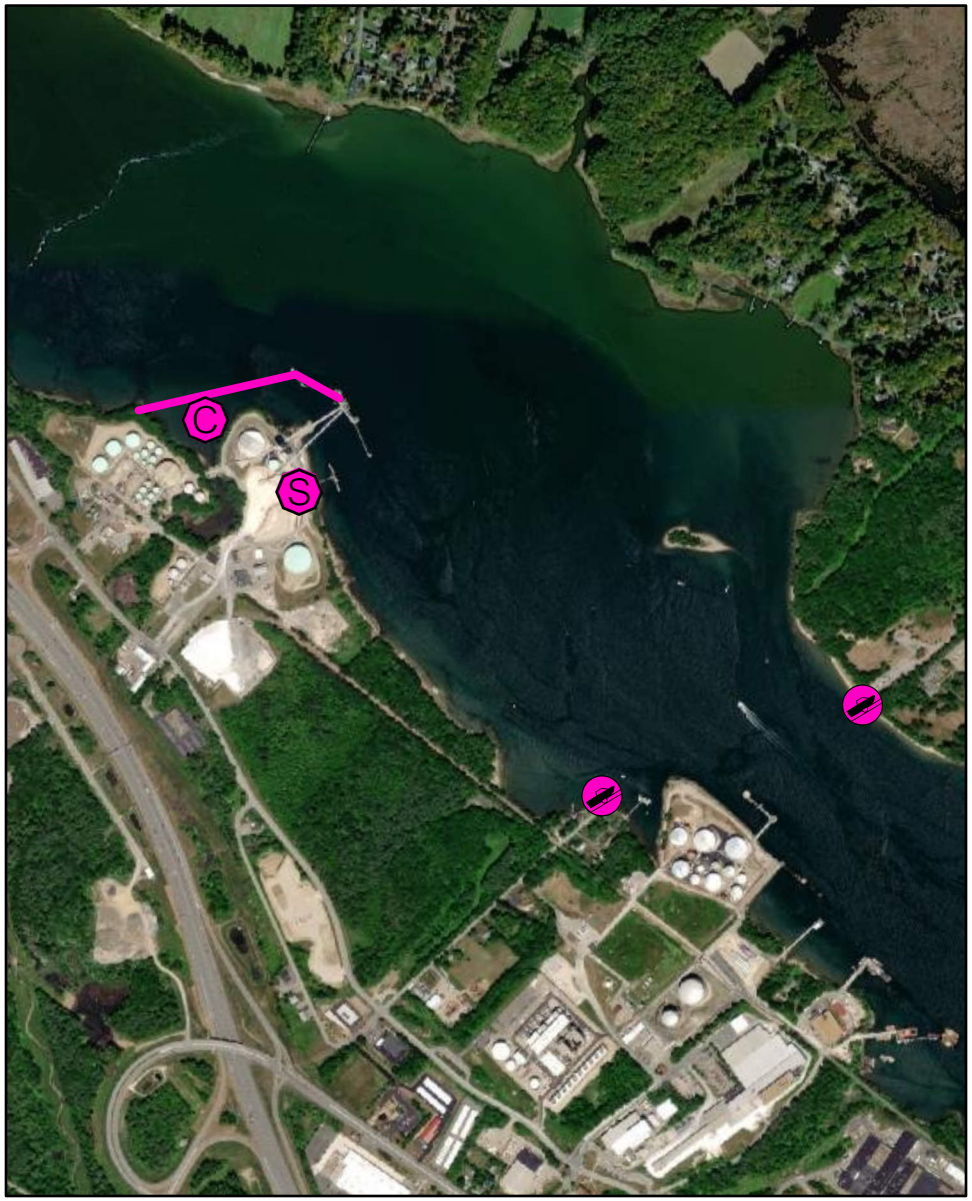
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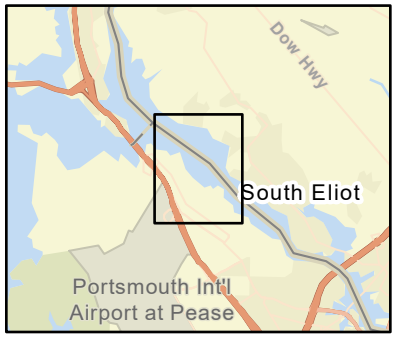
## Sprague River Road Terminal (flood)

## Newington, NH

0 1,000 2,000 Feet

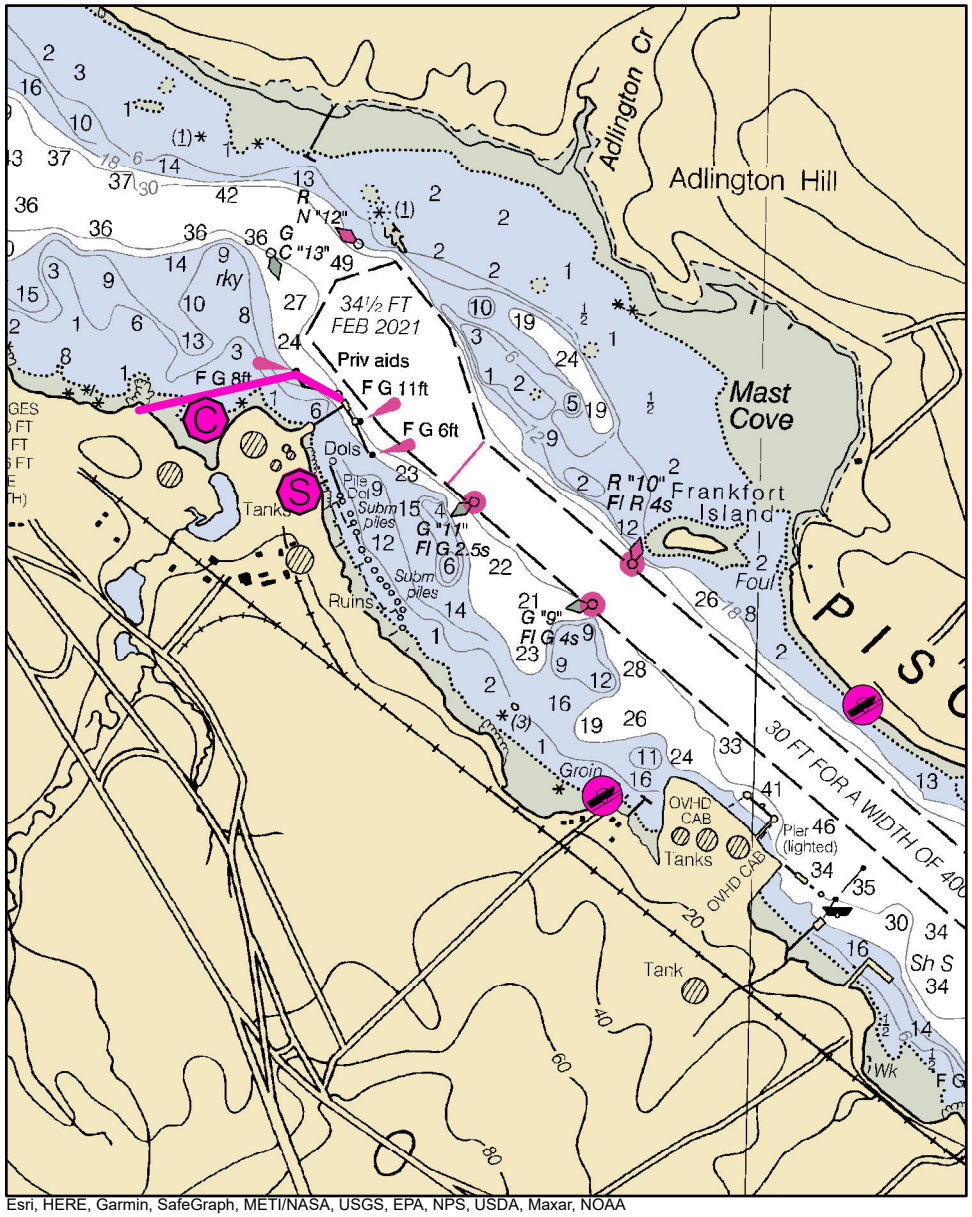
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-11-1 Sprague River Road Terminal (flood)

**Town** Newington, NH
**Latitude** 43° 07.005 N **Longitude** 70° 48.641 W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** 2.6 **Ebb** 2.9
**Source** NOAA current data

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13285_1
**ESI Map #** 55B
**EVI Map #** 2
**DeLorme Map # (2019)** 30 (NH); 1 B3 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered tidal flats (9A)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Water intakes at Little Bay Lobster Co. 603-431-3170

**Archaeological Conflicts** ME: None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

NH: Contact NHDHR at (603)-271-3484

## Strategy Information

**Strategy Purpose** To contain oil at Sprague River Road Terminal on a flooding tide

**Staging Areas** Sprague River Road terminal, 372 Shattuck Way, Newington

**Site Access** Sprague terminal

**Nearest Boat Ramp** Patterson Lane, between Sprague River Road and Avery Lane terminals

**Collection Points** Inside the boom from shoreline

**Special Instructions**

**Work Assignment** Deploy 1200 feet of containment boom from the upriver boom reel to the dolphin riser.
Deploy 300 foot section of boom from dolphin riser to center of dock. Second section of boom is stored on floor of downriver boom reel house.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1500 **Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
1 - anchor system: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys.
2 - shoreside connections.
1 - skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 6/19/2003 **Last Field Test:** 5/23/2002

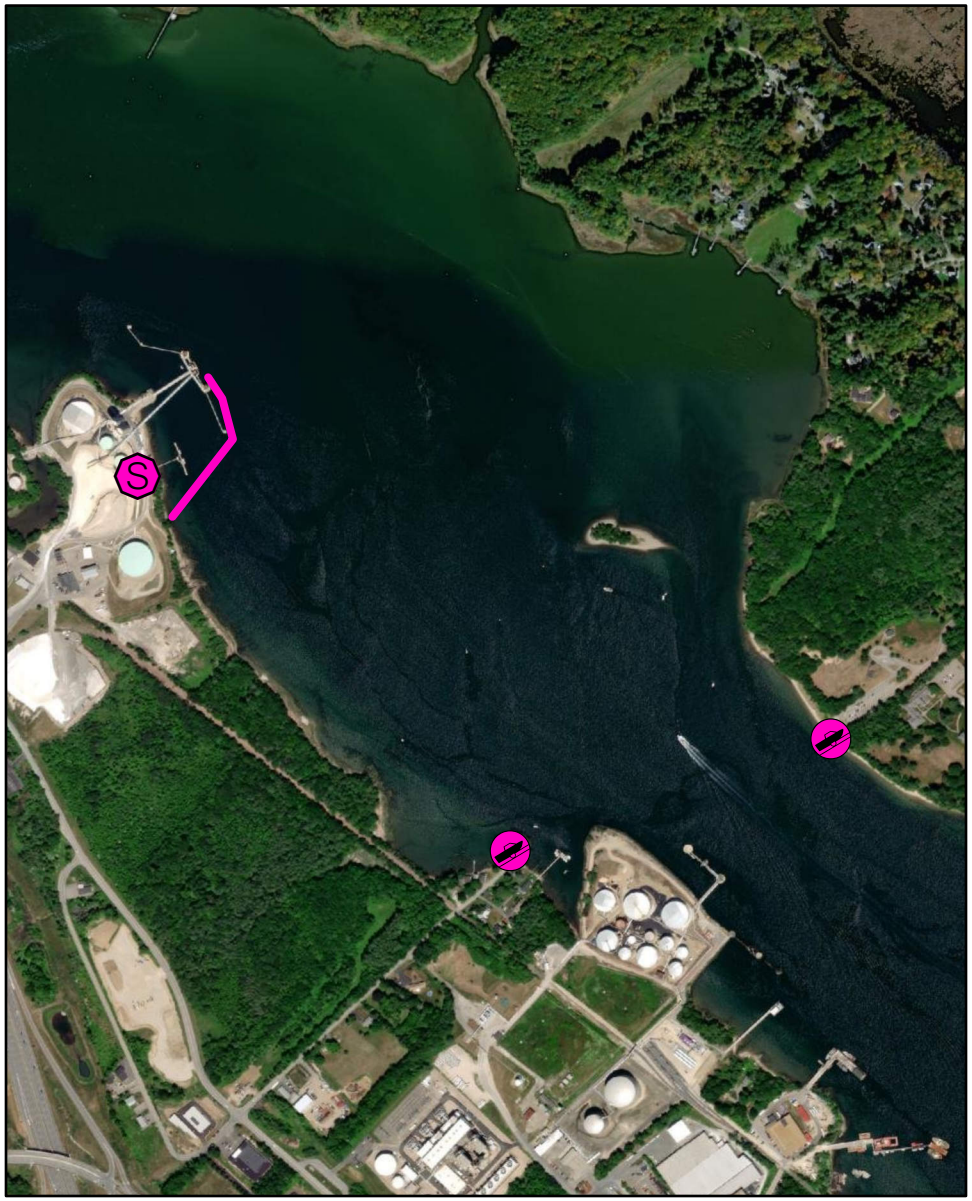
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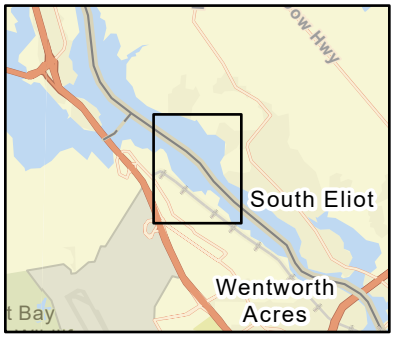
## Sprague River Road Terminal (ebb)

## Newington, NH

0 1,000 2,000 Feet

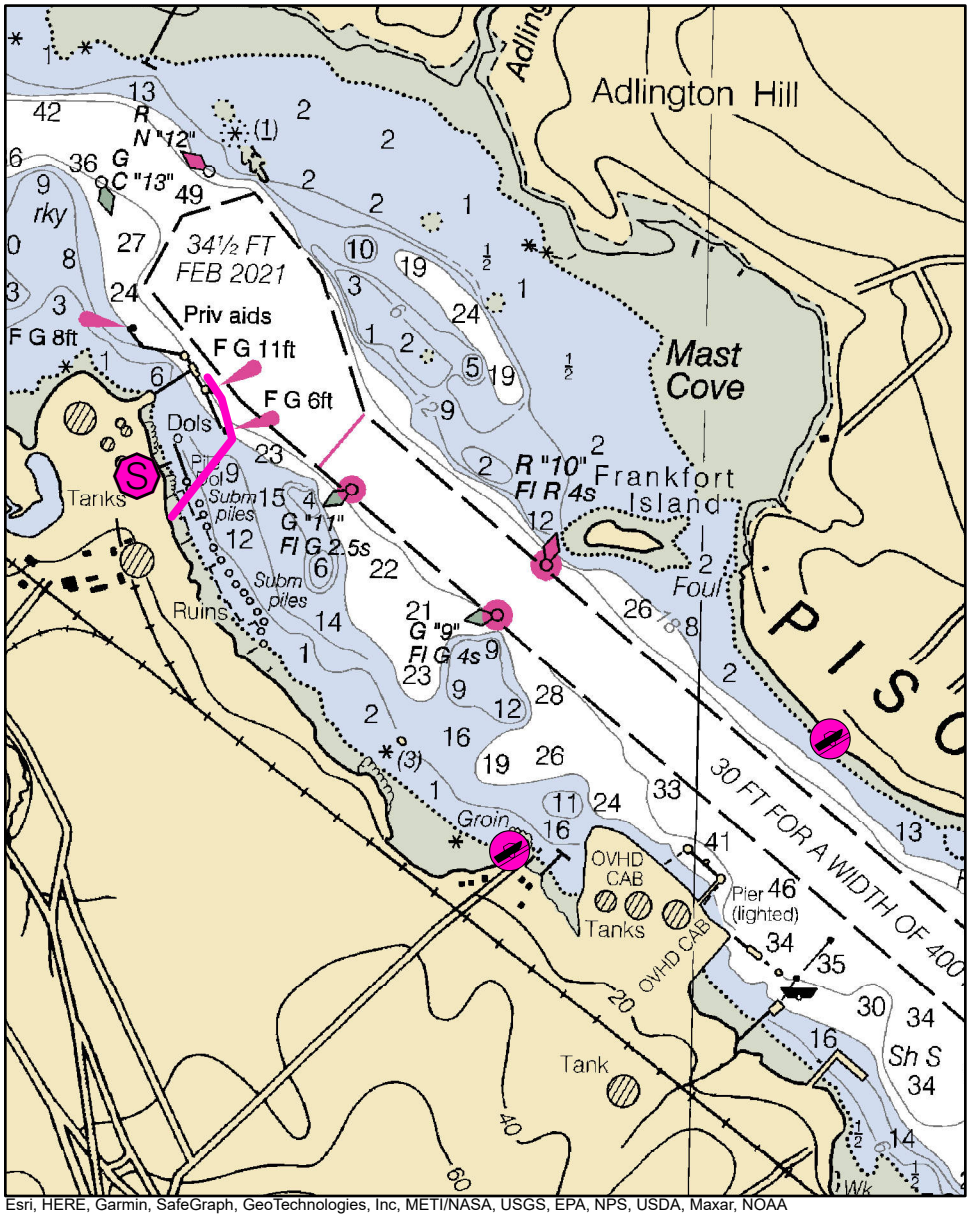
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-12-1 Dover Point

**Town** Dover, NH
**Latitude** 43° 07.235 N **Longitude** 70° 48.886 W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** 2.8 **Ebb** 2.8
**Source** Estimated

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13285_1
**ESI Map #** 55B
**EVI Map #** 2
**DeLorme Map # (2019)** 30 (NH); 1 B3,B2 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Mixed sand and gravel beaches (5)
**ESI Secondary Shoreline Type** Sheltered tidal flats (7)

**Environmental Concerns** Little Bay and Great Bay contain extensive sensitive resources: shorebird and waterfowl habitat, shellfish beds, salt marsh, tidal flats, eelgrass, etc.

**Archaeological Conflicts** ME: None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

NH: Contact NHDHR at (603)-271-3484

## Strategy Information

**Strategy Purpose** To prevent oil from entering Little Bay / Great Bay

**Staging Areas** Hilton State Park, Dover Point Road, Dover or Great Bay Marine, 61 Beane Lane, Newington

**Site Access** Hilton State Park (mid to high tide only), or Great Bay Marine

**Nearest Boat Ramp** Hilton State Park (mid to high tide only), or Great Bay Marine

**Collection Points** Collect oil with skimmer as shown or at shoreline if able to deflect

**Special Instructions**

**Work Assignment** Deploy mobile skimmer unit (JBF skimmer) with 200' wings on both sides or Current Buster, as resources allow. USE EXTREME CAUTION IN THIS AREA DUE TO DANGEROUS CONDITIONS CAUSED BY HIGH CURRENTS IN VICINITY OF BRIDGE. USE ONLY HIGH POWERED VESSELS (minimum 250 hp) to assist skimmer and experienced boat operators. Collect Oil in convergence zone. Consider deflecting oil to shore before entrance to Little Bay if possible.
4. Observe deployment for stability.
5. Prepare to recover/transport oil.

## Recommended Equipment / Resources

**Length of Boom (feet)** 400 **Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)** JBF skimmer with 400 feet of boom

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 6/19/2003 **Last Field Test:** 5/1/2001

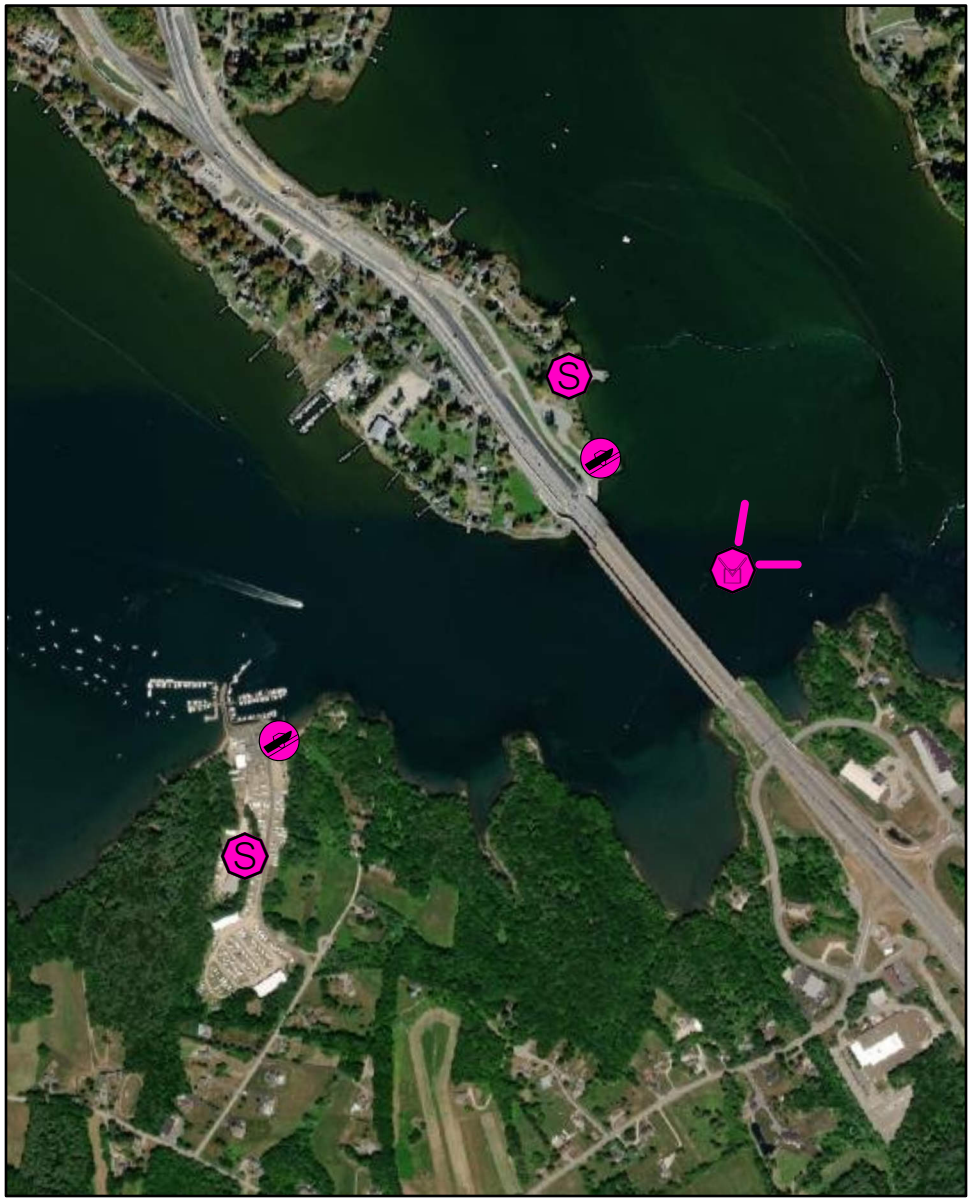
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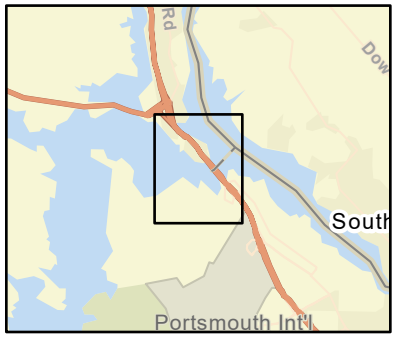
## Dover Point

## Dover, NH

0 1,000 2,000 Feet

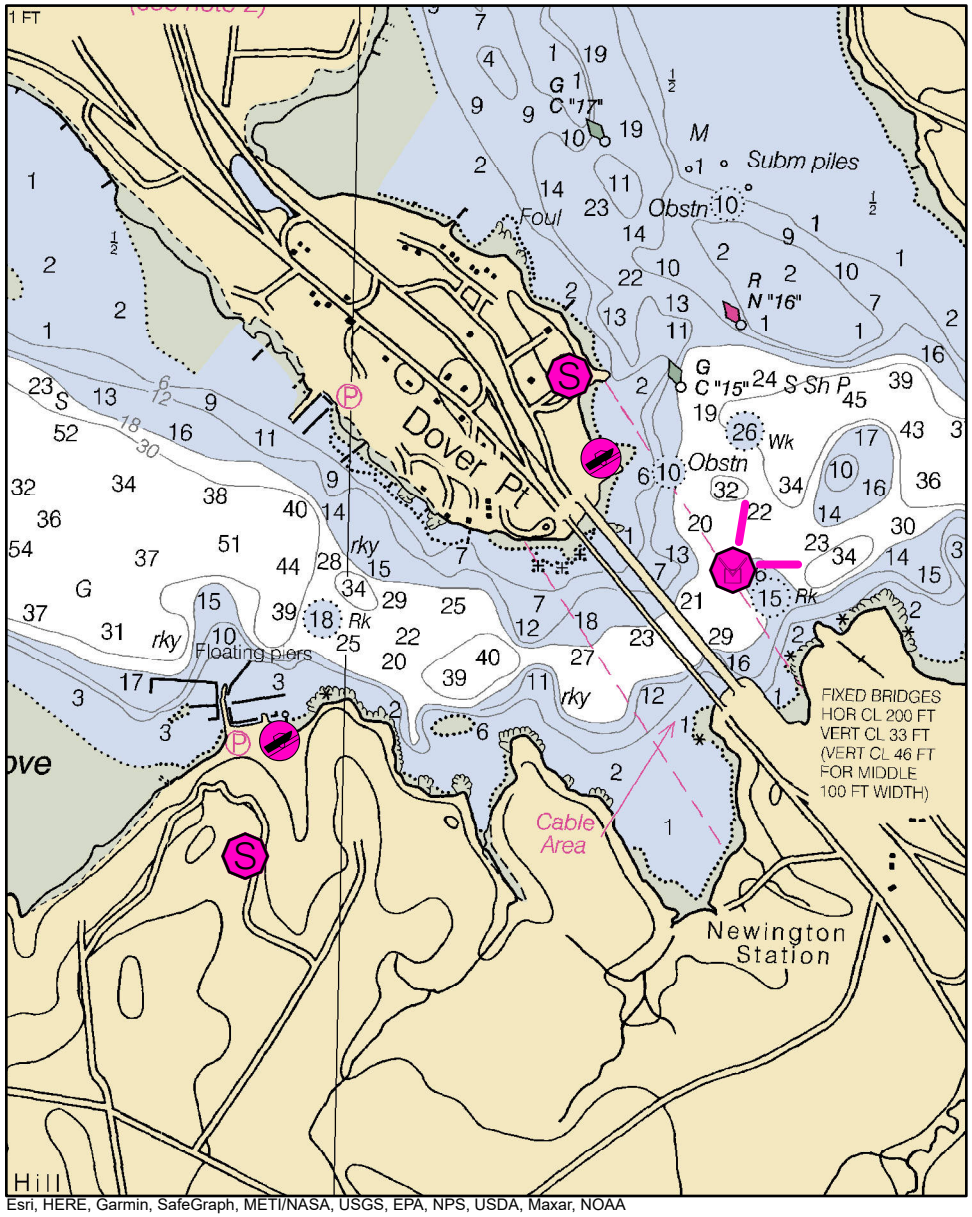
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-11-2 Sprague River Road Terminal (ebb)

**Town** Newington, NH
**Latitude** 43° 07.005 N **Longitude** 70° 48.641 W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** 2.6 **Ebb** 2.9
**Source** NOAA current data

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13285_1
**ESI Map #** 55B
**EVI Map #** 2
**DeLorme Map # (2019)** 30 (NH); 1 B3 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered tidal flats (9A)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Water intakes at Little Bay Lobster Co. 603-431-3170

**Archaeological Conflicts** ME: None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

NH: Contact NHDHR at (603)-271-3484

## Strategy Information

**Strategy Purpose** To contain oil at Sprague River Road Terminal on an ebbing tide

**Staging Areas** Sprague River Road terminal, 372 Shattuck Way, Newington

**Site Access** Sprague terminal

**Nearest Boat Ramp** Patterson Lane, between Sprague River Road and Avery Lane terminals

**Collection Points** Inside the boom from shoreline

**Special Instructions**

**Work Assignment** Deploy 550 feet of boom from the down river boom reel to the Dolphin riser. Second section of boom is stored on floor of down river boom reel house.
Deploy second 350 foot section of boom from Dolphin riser to center of dock.

## Recommended Equipment / Resources

**Length of Boom (feet)** 900

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
1 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys.
2 - shoreside connections.
1 - skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 6/19/2003 **Last Field Test:** 5/23/2002

# A-13-1

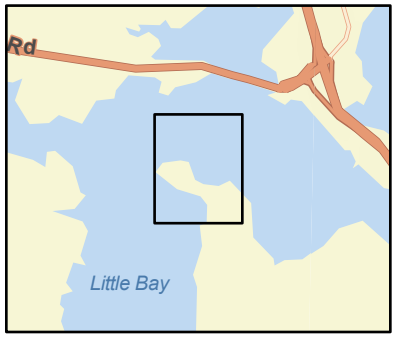
## Hen Island

## Newington, NH

0 725 1,450 Feet

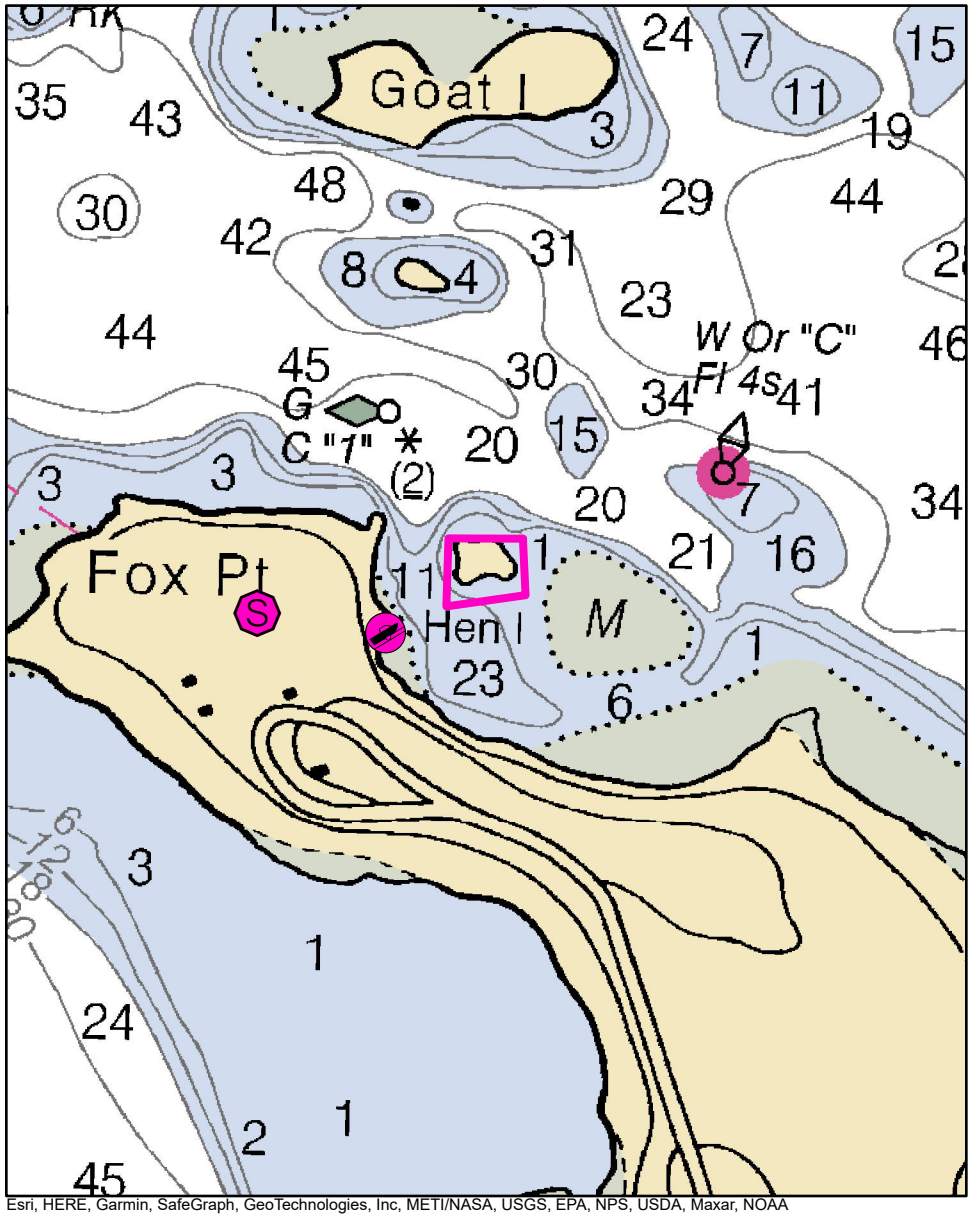
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-13-1 Hen Island

**Town** Newington, NH
**Latitude** 43° 07.272' N **Longitude** 70° 51.253' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb** < 0.5
**Source** Estimated

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13285_1
**ESI Map #** 55B
**EVI Map #** 2 (Part)
**DeLorme Map # (2019)** 30 (NH); 1 B2,B3 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)

**ESI Secondary Shoreline Type**

**Environmental Concerns** Nesting site for 10-15 pairs of Common Tern May-August, NH threatened species. Contact NH Fish & Game 603-271-3421

**Archaeological Conflicts**

## Strategy Information

**Strategy Purpose** To exclude oil from Hen Island

**Staging Areas** Great Bay Marine, 61 Beane Lane, Newington year round or Fox Point boat ramp at site (summer only)

**Site Access** By boat from Fox Point

**Nearest Boat Ramp** Great Bay Marine (year round) or Fox Point boat ramp (summer only)

**Collection Points** None

**Special Instructions**

**Work Assignment** Box in the island with 900 feet of containment boom using 3 permanent mooring floats and 1 anchor with a float. Multiple layers may be necessary. Make effort to anchor boom in the water just off the island.

## Recommended Equipment / Resources

**Length of Boom (feet)** 900

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
1 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys.
1 - workboats with minimum 90 hp
1 - boat operators
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 7/1/2003 **Last Field Test:** 8/19/2004

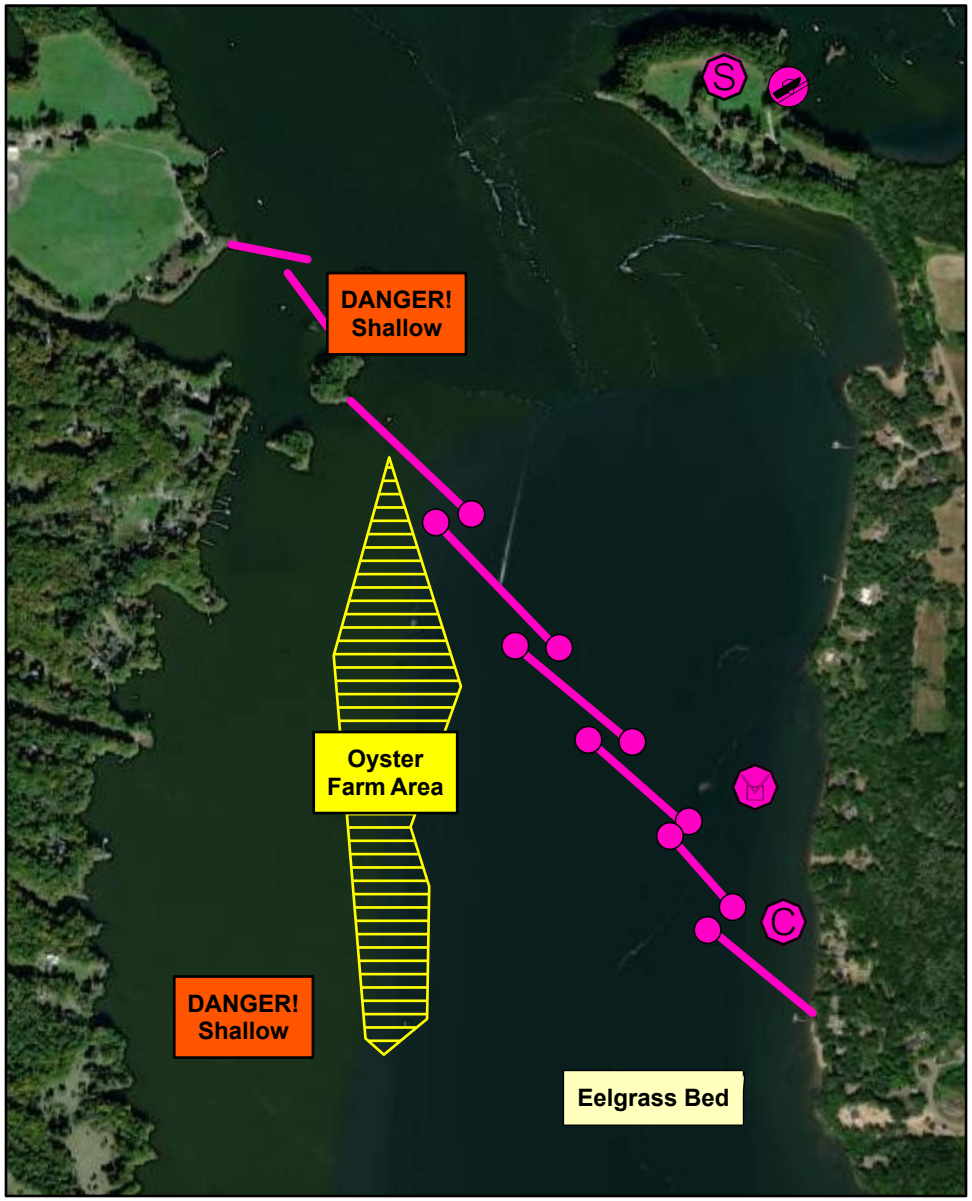
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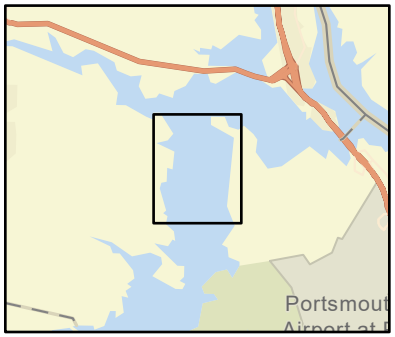
## Little Bay: Great Bay Protection Option 1

## Newington / Durham, NH

0 1,000 2,000 Feet

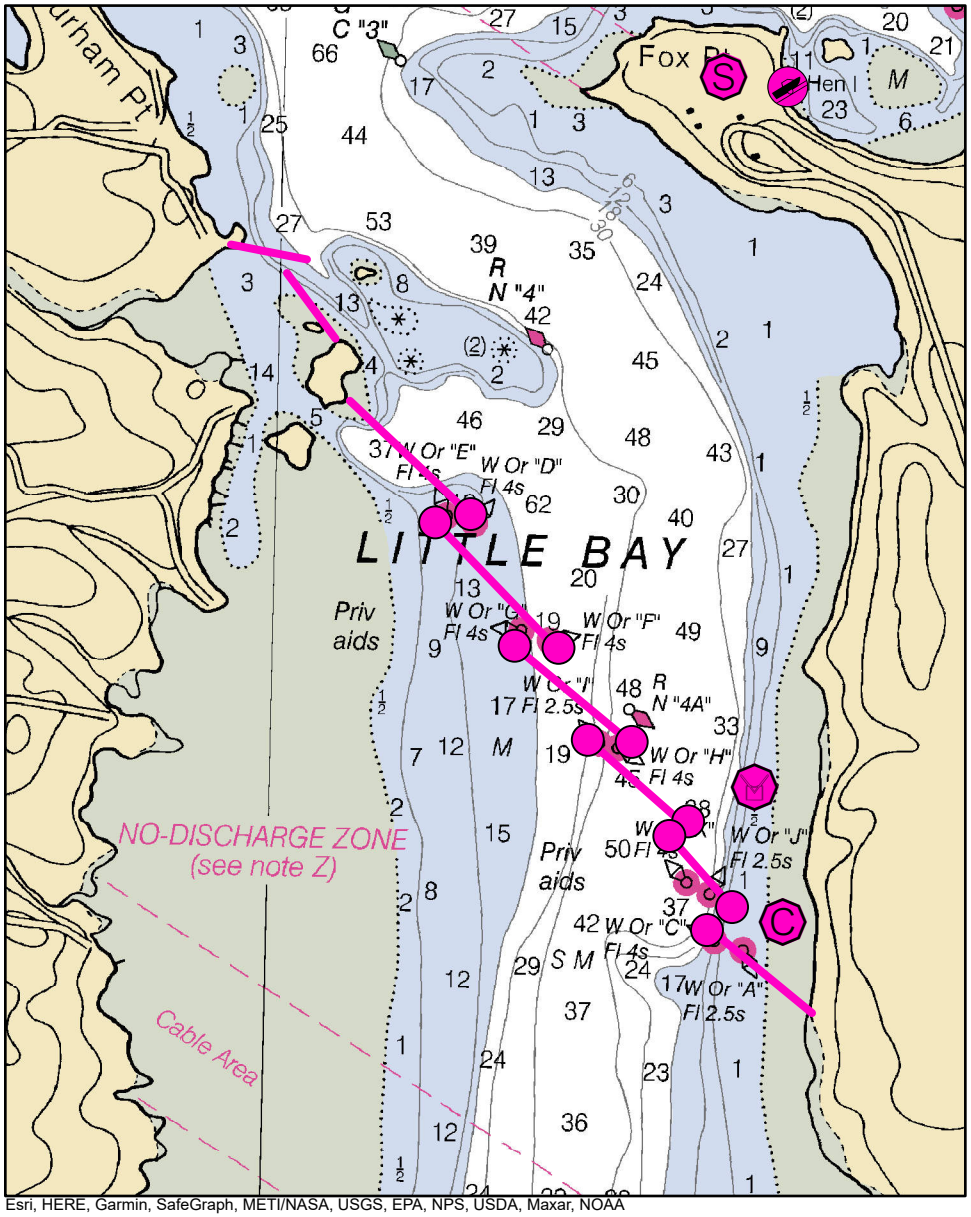
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-13-2 Little Bay: Great Bay Protection Option 1

**Town** Newington, NH
**Latitude** 43 6.691' N **Longitude** 70 51.657' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13285_1
**ESI Map #** 55B
**EVI Map #** N/A
**DeLorme Map # (2019)** 30 (NH); 1 B2 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered tidal flats (9A)
**ESI Secondary Shoreline Type** Gravel beaches (6A)

**Environmental Concerns** Eelgrass beds in immediate vicinity (see map). Great Bay is a National Estuarine Research Reserve and very sensitive habitat for many species. Contact NH Dept. of Fish & Game, 603-271-3421. Jackson Lab at Adams Point has a water intake, 603-862-2175

**Archaeological Conflicts**

## Strategy Information

**Strategy Purpose** To divert oil from entering Great Bay
**Staging Areas** Fox Point (summer only) or Great Bay Marine, 61 Beane Lane, Newington
**Site Access** By water from Fox Point or Great Bay Marine
**Nearest Boat Ramp** Fox Point (summer only) or Great Bay Marine, 61 Beane Lane, Newington
**Collection Points** Small beach in vicinity of pier on eastern shoreline
**Special Instructions**
**Work Assignment** Deploy lengths of boom as shown on map. Boom is stored on site in moored barges (DES 43 & 44).

## Recommended Equipment / Resources

**Length of Boom (feet)** 6500
**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys.
Permanent moorings on site
3 - shoreside connections.
1 - skimmer and storage
4 - workboats with minimum 90 hp
4 - boat operators
6-8 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** **Last Field Test:** 6/16/2014

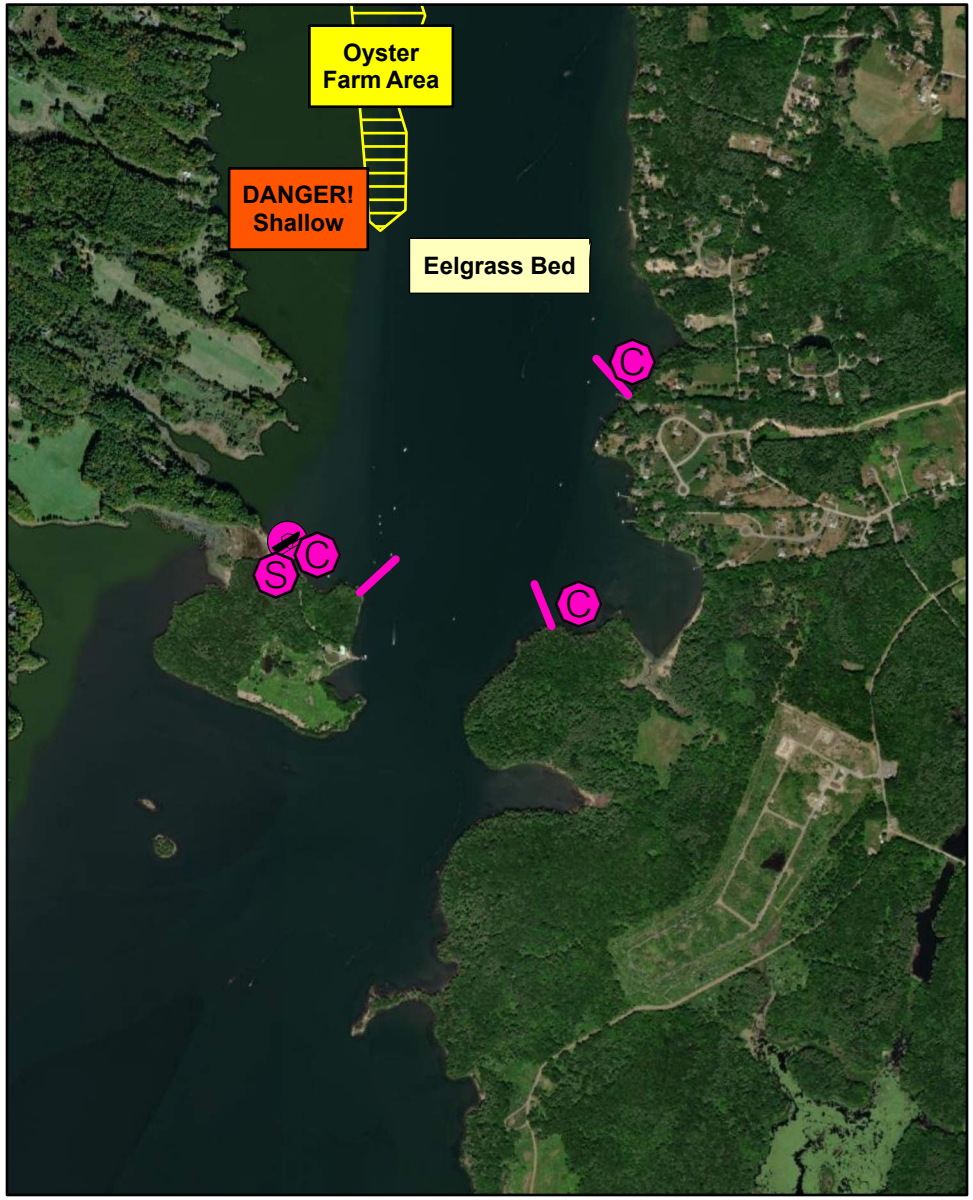
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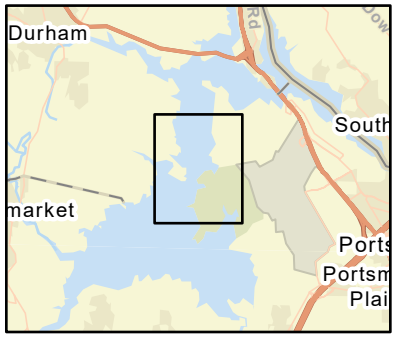
## Fuirber Strait: Great Bay Protection Option 2

## Newington / Durham, NH

0 2,000 4,000 Feet

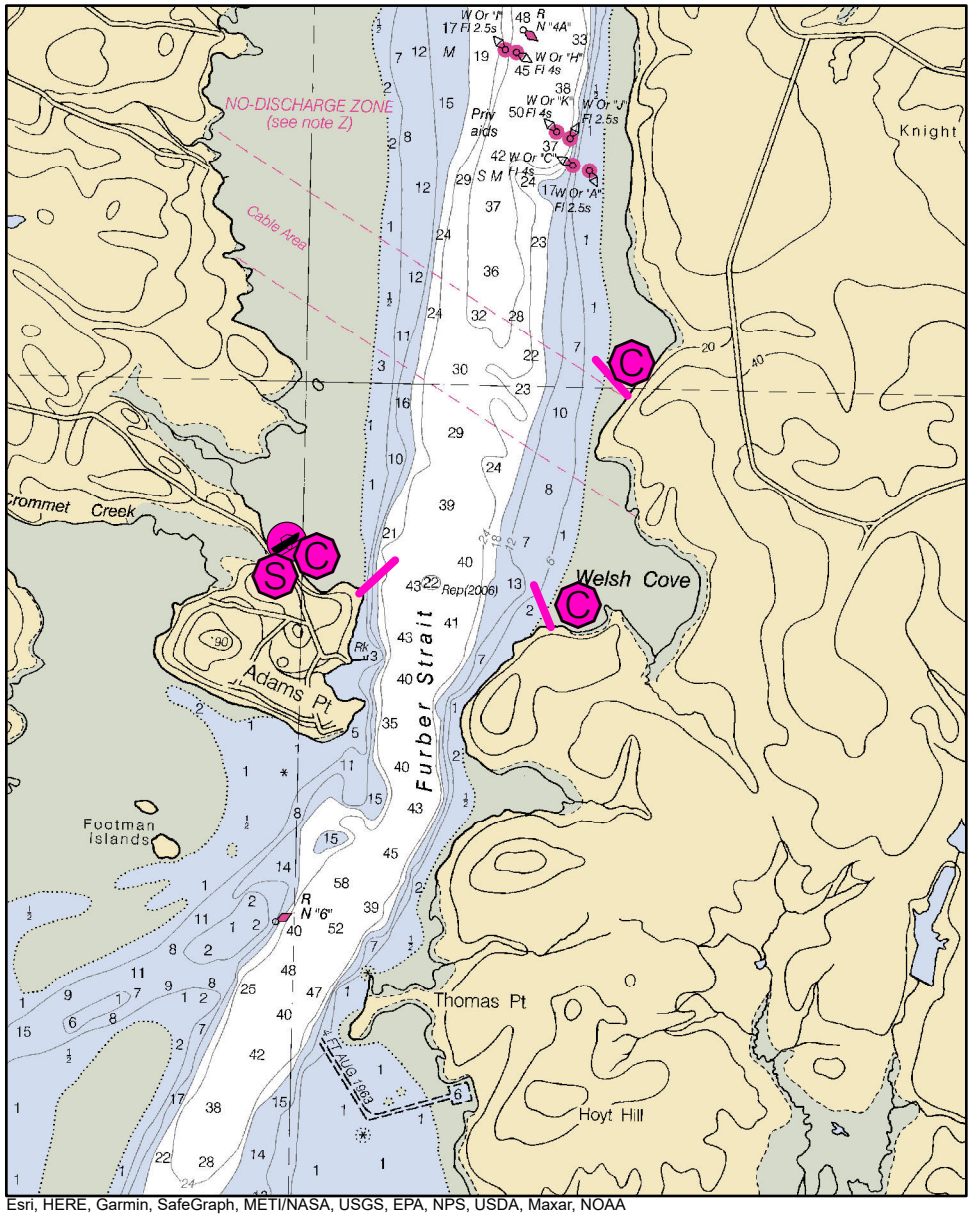
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-13-3 Furber Strait: Great Bay Protection Option 2

**Town** Newington / Durham, NH
**Latitude** 43° 5.843' N **Longitude** 70° 51.631' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13285_1
**ESI Map #** 55B
**EVI Map #** 2 (Part)
**DeLorme Map # (2019)** 30 (NH); 1 B2,C2 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered tidal flats (9A)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Great Bay contains extensive sensitive resources: shorebird and waterfowl habitat, shellfish beds, salt marsh, tidal flats, eelgrass, etc. Contact NH Dept. of Fish & Game, 603-271-3421

**Archaeological Conflicts**

## Strategy Information

**Strategy Purpose** Backup strategy for A-13-2. Purpose is to divert oil into coves for collection.

**Staging Areas** Adams Point boat launch and/or Jackson Lab dock.

**Site Access** By water or deploy from Adams Point boat launch (high tide only): From Route 4, Take Route 108 south and turn left on Durham Pt. Road. Left onto Adams Point Road to boat launch.

**Nearest Boat Ramp** Adams Point (high tide only), Fox Point boat ramp or Great Bay Marine, 61 Beane Lane, Newington

**Collection Points** Via skimmers in coves.

**Special Instructions** Water intake at Jackson Lab. Be aware of Cable Area at northeast leg.

**Work Assignment** This is a backup strategy for A-13-2. Place three 500 foot long lengths of harbor boom as shown in the vicinity of Furber Strait to direct oil into coves for collection.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1500
**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
3 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys.
3 - shoreside connections.
3 - skimmers and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** **Last Field Test:**

# A-14-1

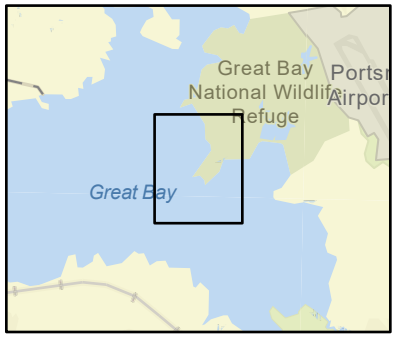
## Nannie Island

## Newington, NH

0 1,000 2,000 Feet

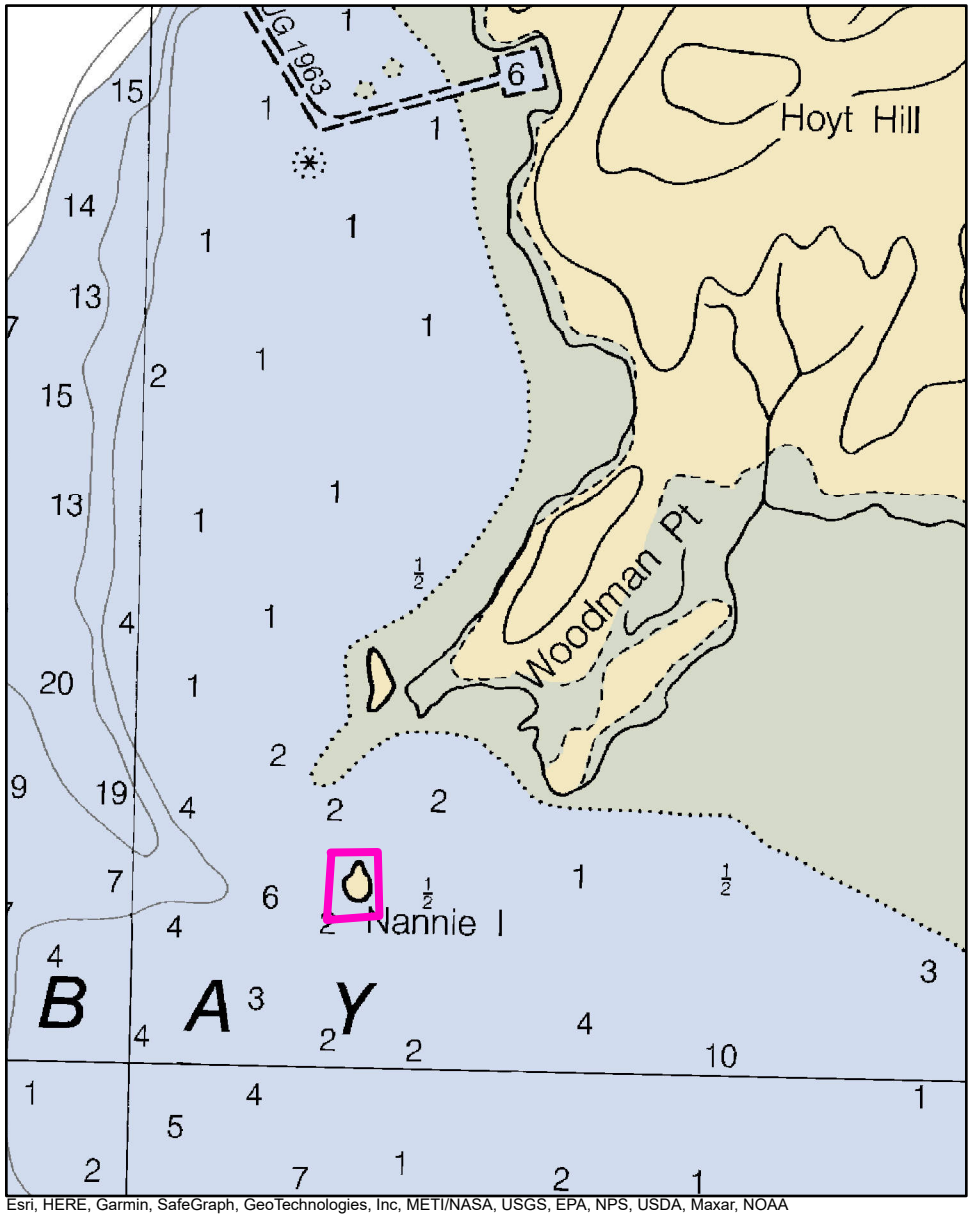
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-14-1 Nannie Island

**Town** Newington, NH
**Latitude** 43° 04.136 N **Longitude** 70° 51.761 W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13285_1
**ESI Map #** 55B
**EVI Map #** N/A
**DeLorme Map # (2019)** 30 (NH); 1 C2 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)
**ESI Secondary Shoreline Type** Salt- and brackish-water marshes (10A)
**Environmental Concerns**
**Archaeological Conflicts**

## Strategy Information

**Strategy Purpose** To exclude oil from Nannie Island
**Staging Areas** Adams Point boat launch, 64 Adams Point Road, Durham, NH or Jackson Lab dock at Adams Point.
**Site Access** By boat
**Nearest Boat Ramp** Adams Point boat launch (high tide only) or Great Bay Marine, 61 Beane Lane, Newington
**Collection Points** N/A
**Special Instructions**
**Work Assignment** Encircle island in a box using containment boom. Multiple layers may be necessary. Make effort to anchor boom in the water just off of the island.

## Recommended Equipment / Resources

**Length of Boom (feet)** 950
**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys.
1 - workboats with minimum 90 hp
1 - boat operators
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 7/1/2003 **Last Field Test:** 9/19/2006

# A-15-1

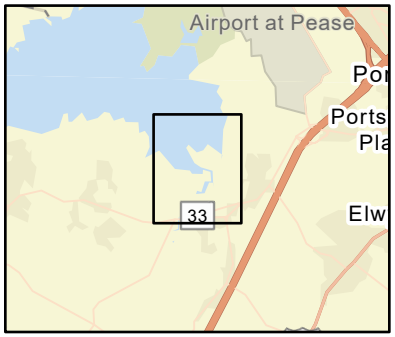
## Winnicut River

## Greenland, NH

0 1,000 2,000 Feet

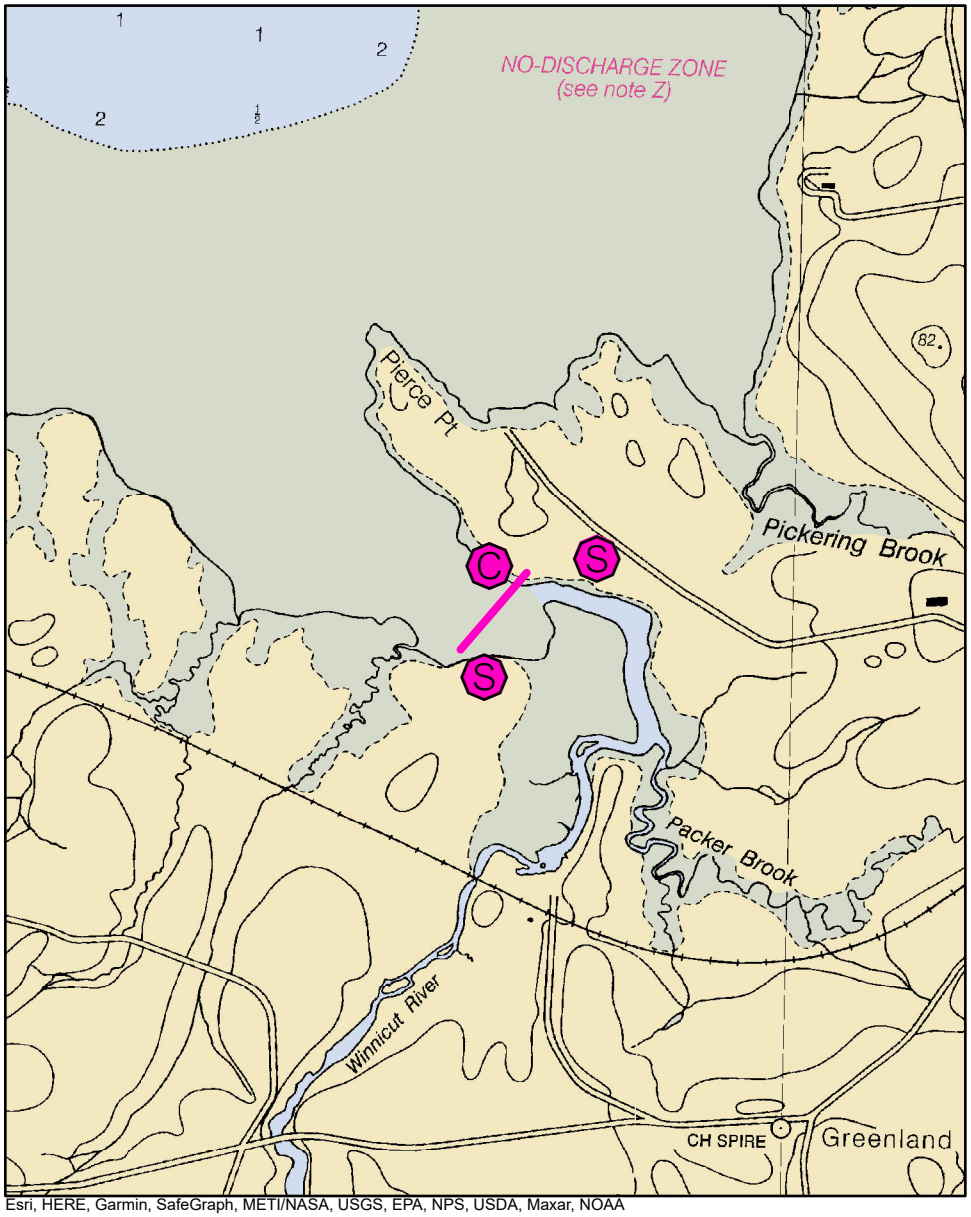
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-15-1 Winnicut River

**Town** Greenland, NH
**Latitude** 43° 02.884' N **Longitude** 70° 50.466' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb** 0.8
**Source** Estimated

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13285_1
**ESI Map #** 57A
**EVI Map #** 2 (Part)
**DeLorme Map # (2019)** 30 (NH); 1 C2,C3 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Salt to brackish marshes (10A)
**ESI Secondary Shoreline Type** Gravel beaches (6A)

**Environmental Concerns** Saltmarsh, tidal flats, shorebird habitat, shellfish beds, diadromous fish runs

**Archaeological Conflicts**

## Strategy Information

**Strategy Purpose** To divert oil from upper Winnicut River and Packer Brook

**Staging Areas** Portsmouth Country Club golf course, 80 Country Club Lane, Greenland or near Greenland Housing development on south side of river off of Bayside Road

**Site Access** Southwest Shore - Route 33 to Bayside Road to Caswell Drive to Bay Shore Drive Northeast Shore - Route 33 to Portsmouth Ave. to Country Club Road

**Nearest Boat Ramp** Adams Point boat ramp, 64 Adams Point Rd., Durham or Great Bay Marine, 61 Beane Lane, Newington

**Collection Points** Adjacent to Portsmouth Country Club golf course

**Special Instructions**

**Work Assignment** Deploy 700 feet of containment boom from Portsmouth Country Club golf course, 80 Country Club Lane, Greenland, on the north side of the river southward within the river channel to cover Winnicut River and Packer Brook.

## Recommended Equipment / Resources

**Length of Boom (feet)** 700 **Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
2 - shoreside connections.
1 - skimmer and storage
1 - shallow draft workboat
1 - boat operators
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 7/1/2003 **Last Field Test:**

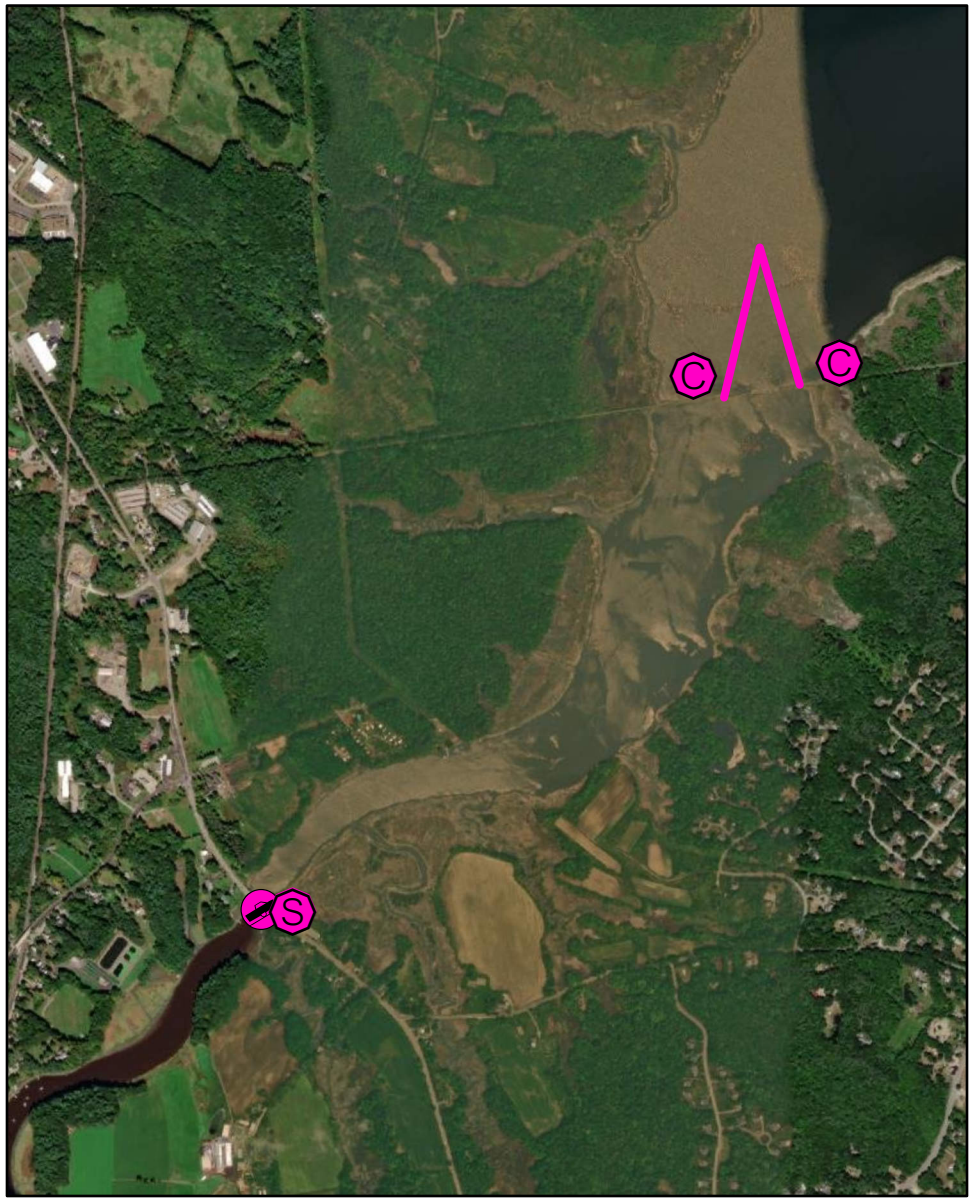
# A-16-1

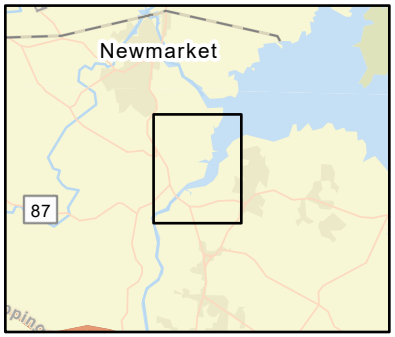
## Squamscott River

## Stratham, NH

0 2,000 4,000 Feet

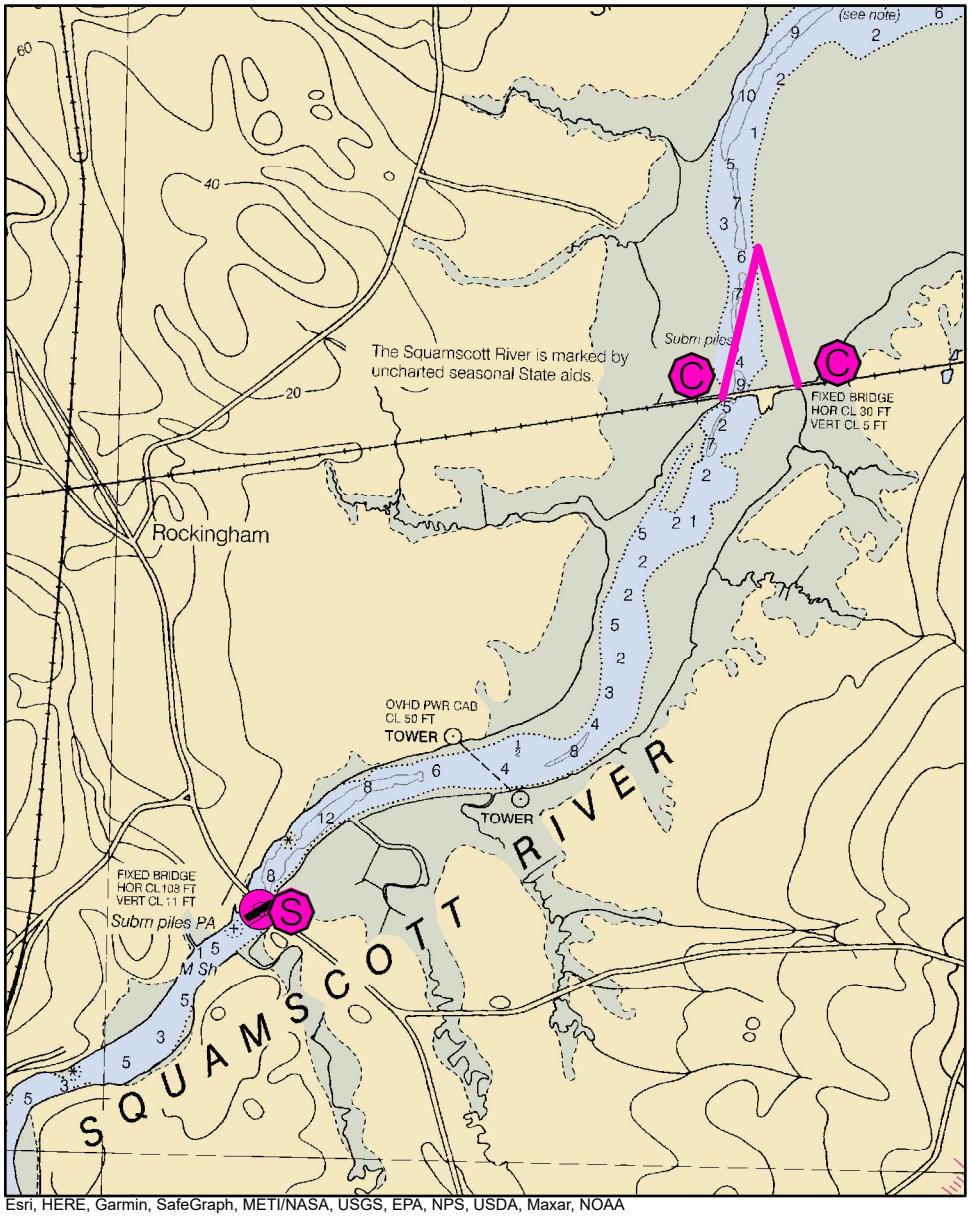
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-16-1 Squamscott River

**Town** Stratham, NH

**Latitude** 43° 03.365' N **Longitude** 70° 54.697' W

**Approx. Tidal Range (feet)** 9

**Max Current (knots)** **Flood** **Ebb** 1.08

**Source** Measured

**Port Region** New Hampshire and Southern Maine

**NOAA Chart #** 13285_1

**ESI Map #** 57A, 57B

**EVI Map #** N/A

**DeLorme Map # (2019)** 30 (NH); 1 C1,C2 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered tidal flats (9A)

**ESI Secondary Shoreline Type**

**Environmental Concerns** Tidal flats, salt marshes and shorebird / waterfowl habitat upstream. EPA also has two inland strategies at Chapman's Landing and Mill Brook: https://nrt.org/site/doc_list.aspx?site_id=38

**Archaeological Conflicts**

## Strategy Information

**Strategy Purpose** To divert oil from upper Squamscott River

**Staging Areas** Chapman's Landing, College Road (Rte. 108), Newfields, NH

**Site Access** Chapman's Landing, College Road (Rte. 108), Newfields, NH

**Nearest Boat Ramp** Chapman's Landing, College Road (Rte. 108), Newfields, NH

**Collection Points** Either side of railroad bridge

**Special Instructions**

**Work Assignment** Deploy anchor on east side of channel. Magnetic bearings of 288° to Creek on West bank and 216° to west shore of railroad bridge.
Deploy east Section 1,350 foot section from west bank of RR Bridge to channel anchor.
Deploy one 1,250 foot section from east bank of RR Bridge to channel anchor.
6. Observe deployment for stability.
7. Prepare to recover oil?

## Recommended Equipment / Resources

**Length of Boom (feet)** 2650

**Type of Boom** 12" to 18" harbor boom

**Recommended Equipment (Minimum)**
1 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys.
2 - shoreside connections.
2 - skimmers and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - 6 laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 7/1/2003 **Last Field Test:**

# A-17-1

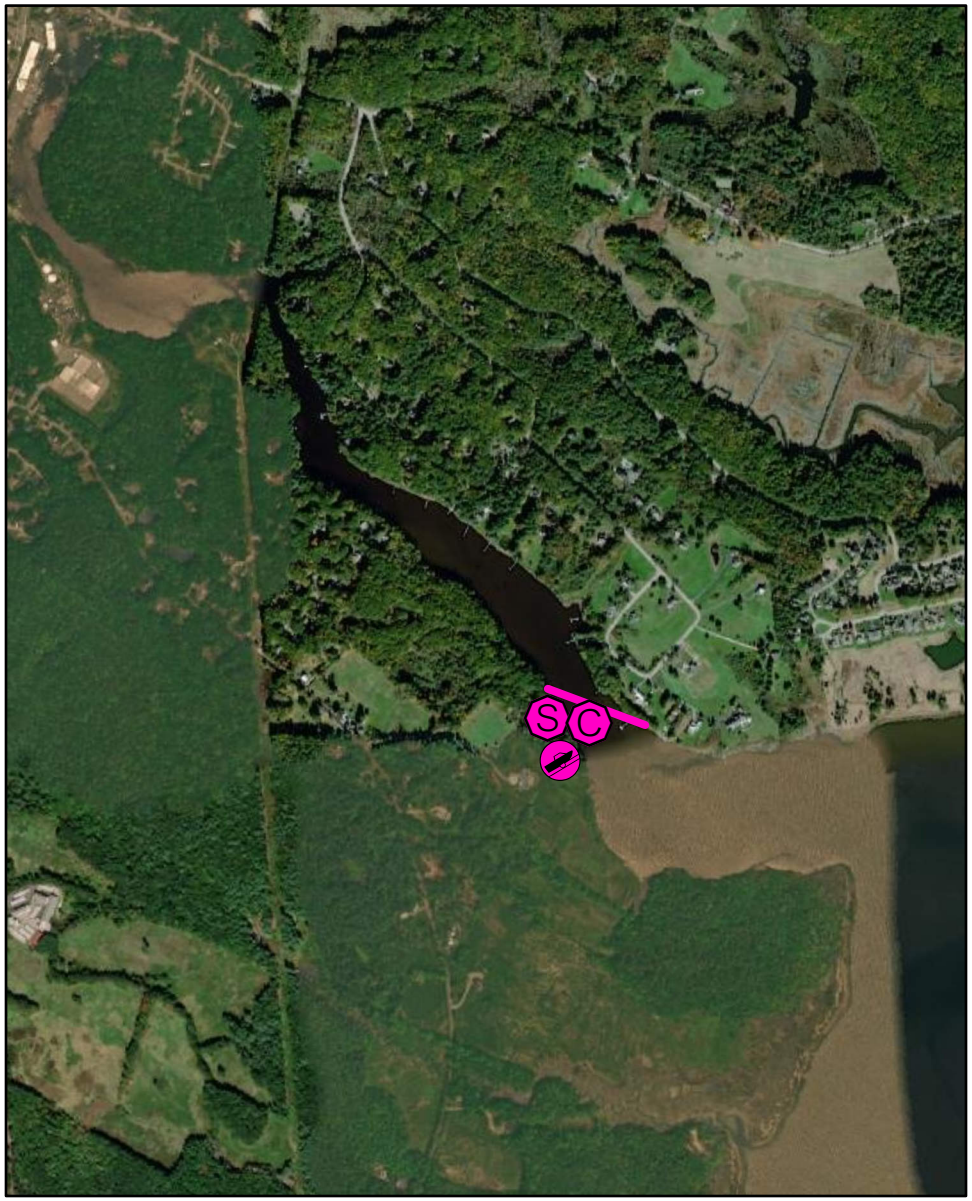
## Lamprey River

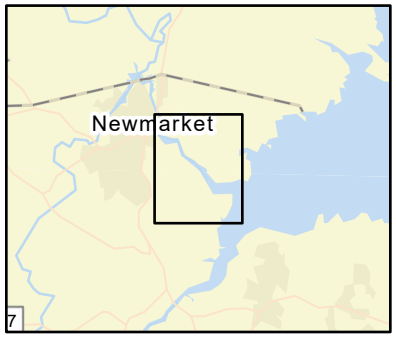
## Newmarket, NH

0 1,000 2,000 Feet

N W E S

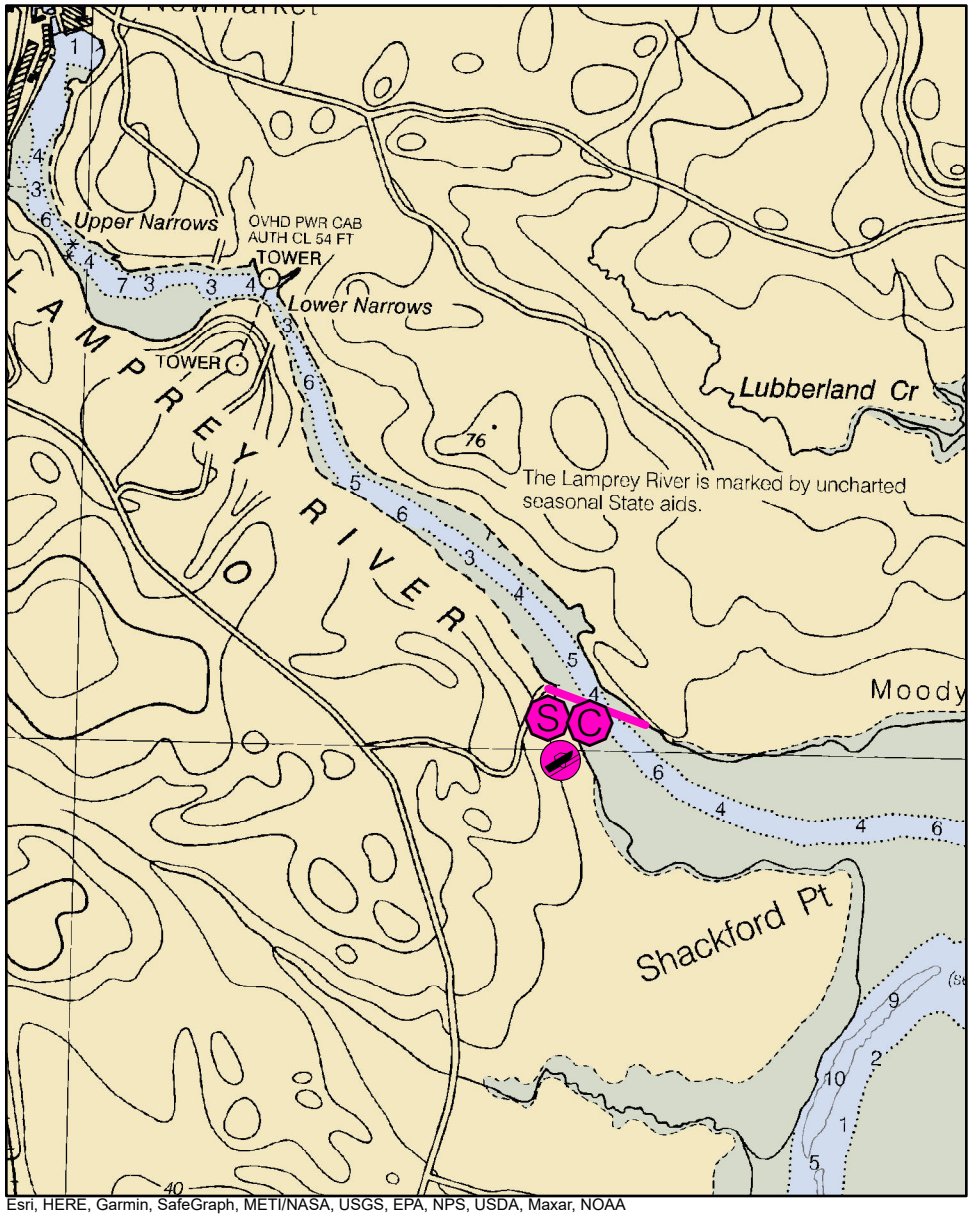
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-17-1 Lamprey River

**Town** Newmarket, NH
**Latitude** 43° 03.919' N **Longitude** 70° 54.524' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb** 0.92
**Source** Measured

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13285_1
**ESI Map #** 55C, 57B, 57A
**EVI Map #** N/A
**DeLorme Map # (2019)** 30 (NH); 1 C1,C2 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered tidal flats (9A)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Tidal flats, fringing marshes, shorebird and waterfowl habitat in Lamprey River

**Archaeological Conflicts**

## Strategy Information

**Strategy Purpose** To divert oil from upper Lamprey River

**Staging Areas** Schanda Park boat launch, Water Street, Newmarket

**Site Access** Schanda Park boat launch, Water Street, Newmarket

**Nearest Boat Ramp** Schanda Park boat launch

**Collection Points** Schanda Park boat launch

**Special Instructions**

**Work Assignment** Deploy 750 feet of containment boom angled from Schanda Park boat launch, Water Street, Newmarket, across river. EPA has inland strategies for Lamprey River further upstream: https://nrt.org/site/doc_list.aspx?site_id=38

## Recommended Equipment / Resources

**Length of Boom (feet)** 750
**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
2 - shoreside connections.
1 - skimmer and storage
1 - workboat with minimum 90 hp
1 - boat operator
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 7/1/2003 **Last Field Test:**

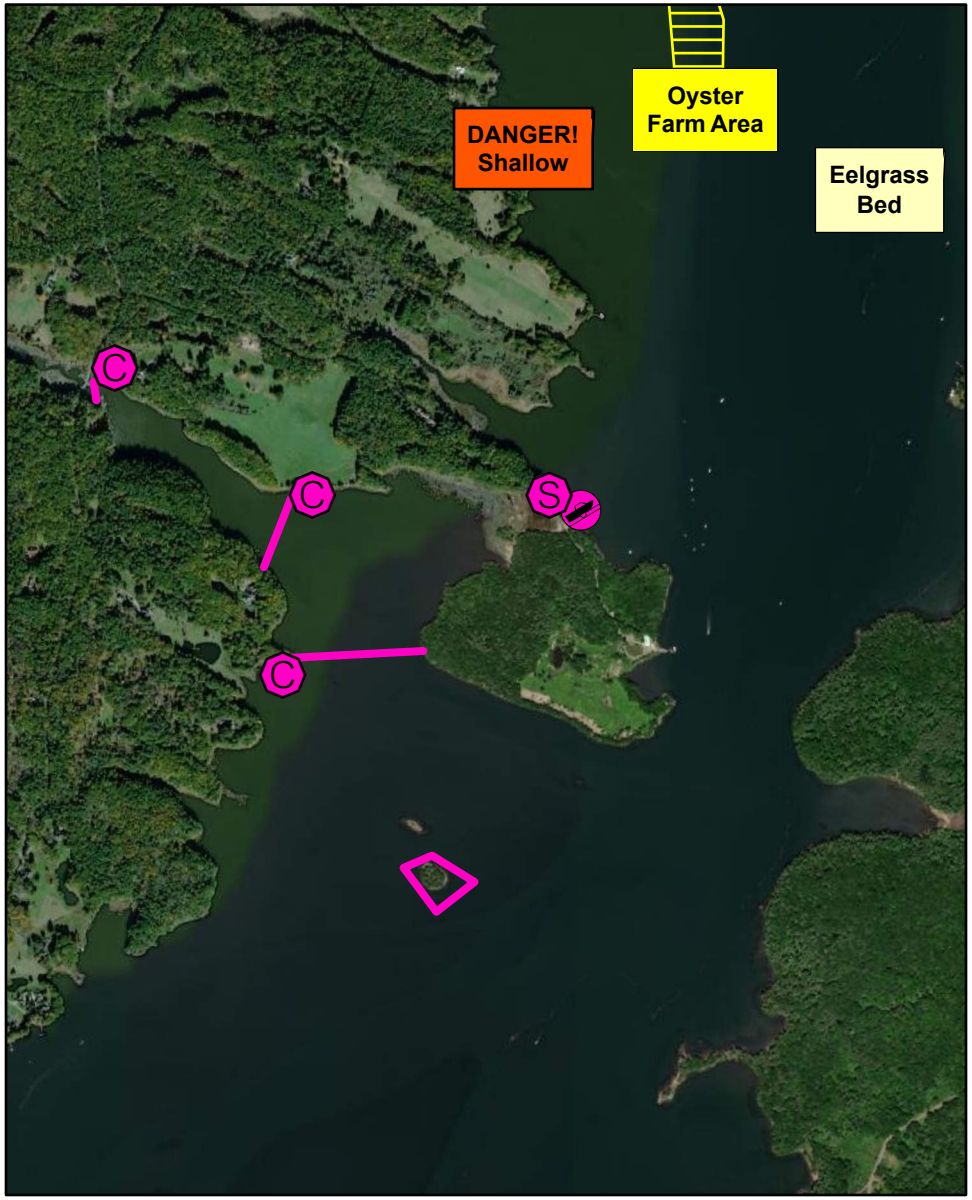
# A-18-1

## Crommet Creek and Footman Islands

## Durham, NH

0 2,000 4,000 Feet

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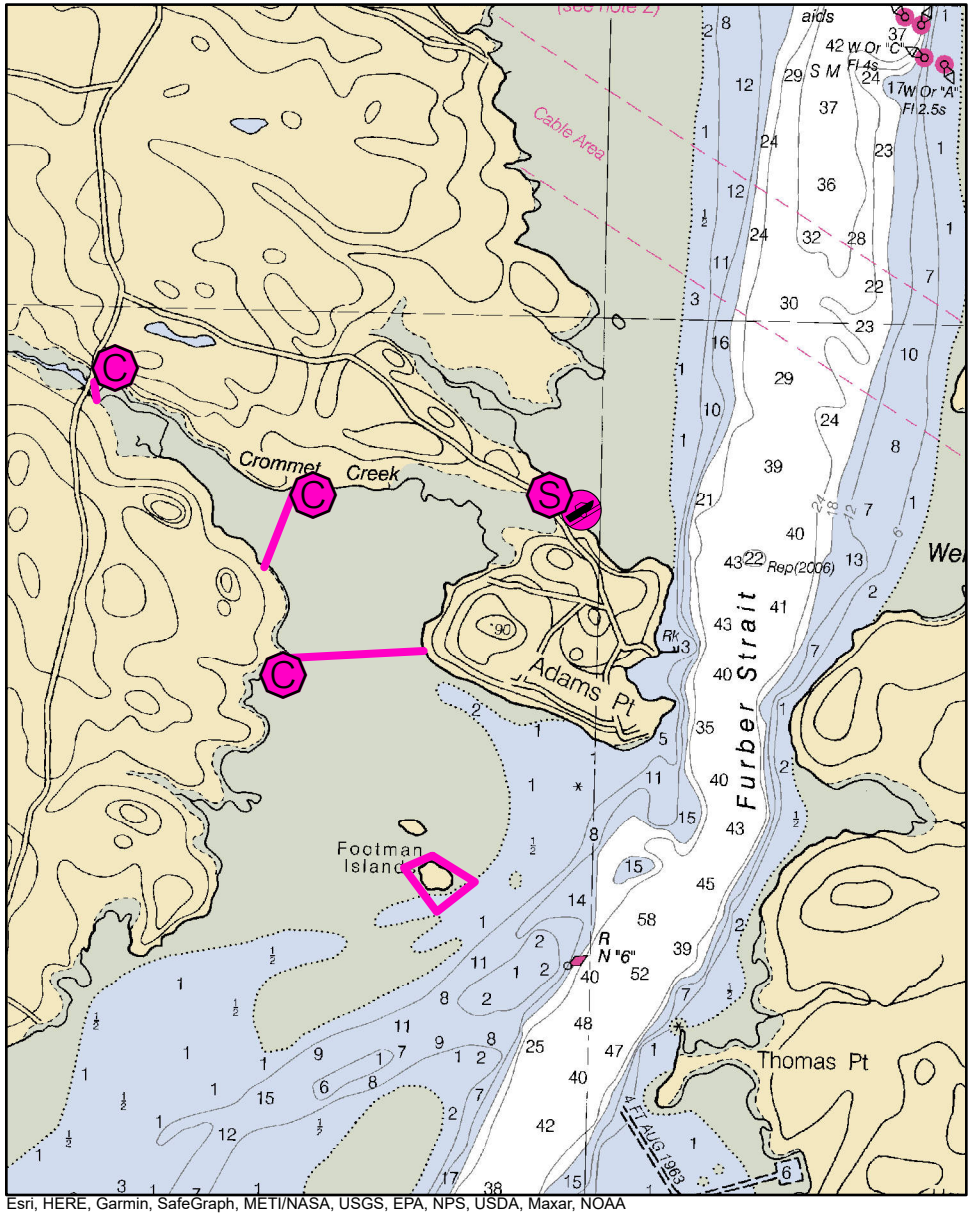






**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-18-1 Crommet Creek and Footman Islands

**Town** Durham, NH
**Latitude** 43° 05.258' N **Longitude** 70° 52.375' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13285_1
**ESI Map #** 55B
**EVI Map #** N/A
**DeLorme Map # (2019)** 30 (NH); 1 B2 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered tidal flats (9A)
**ESI Secondary Shoreline Type** Salt- and brackish-water marshes (10A)

**Environmental Concerns** National Heritage Inventory, shellfish beds, tidal flats, salt marsh

**Archaeological Conflicts**

## Strategy Information

**Strategy Purpose** To divert oil from entering upper Crommet Creek and exclude oil from Footman Islands

**Staging Areas** Adams Point boat ramp (high tide only), 64 Adams Point Road, Durham

**Site Access** Bridge at Bay Road / Durham Point Road, or by boat from Adams Point

**Nearest Boat Ramp** Adams Point boat launch, 64 Adams Point Road, Durham

**Collection Points** At shore ends of boom

**Special Instructions**

**Work Assignment**
PRIORITY 1: Deploy 100 feet of containment boom across Crommet Creek downstream of bridge on Bay Road / Durham Point Road.
PRIORITY 2: Deploy 700 feet of boom across the creek between: north shore @ 43 05.740 N, 070 52.611 W and south shore @ 43 05.635 N, 070 52.650 W of Crommet Creek
PRIORITY 3: Deploy 1,200 feet of containment boom across the Crommet Creek between Adam's Point and the mainland: east shore (Adam's Point) @ 43 05.524 N, 070 52.343 W, west shore @ 43 05.510 N, 070 52.593 W
PRIORITY 4: (Only if directed by Incident Command) 1,600 feet of boom encircling the larger Footman Island starting @ 43 05.179 N, 070 52.250 W. Use a minimum of 4 anchors and ground tackle.

## Recommended Equipment / Resources

**Length of Boom (feet)** 3600
**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

Priority 1:

2 - shoreside connections
1 - skimmer and storage
1 - small workboat
1 - boat operator
2 - laborers

Priorities 2 - 4:

4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys.
4 - shoreside connections.
2 - 3 skimmers and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - 6 laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 7/1/2003 **Last Field Test:** 10/10/2006

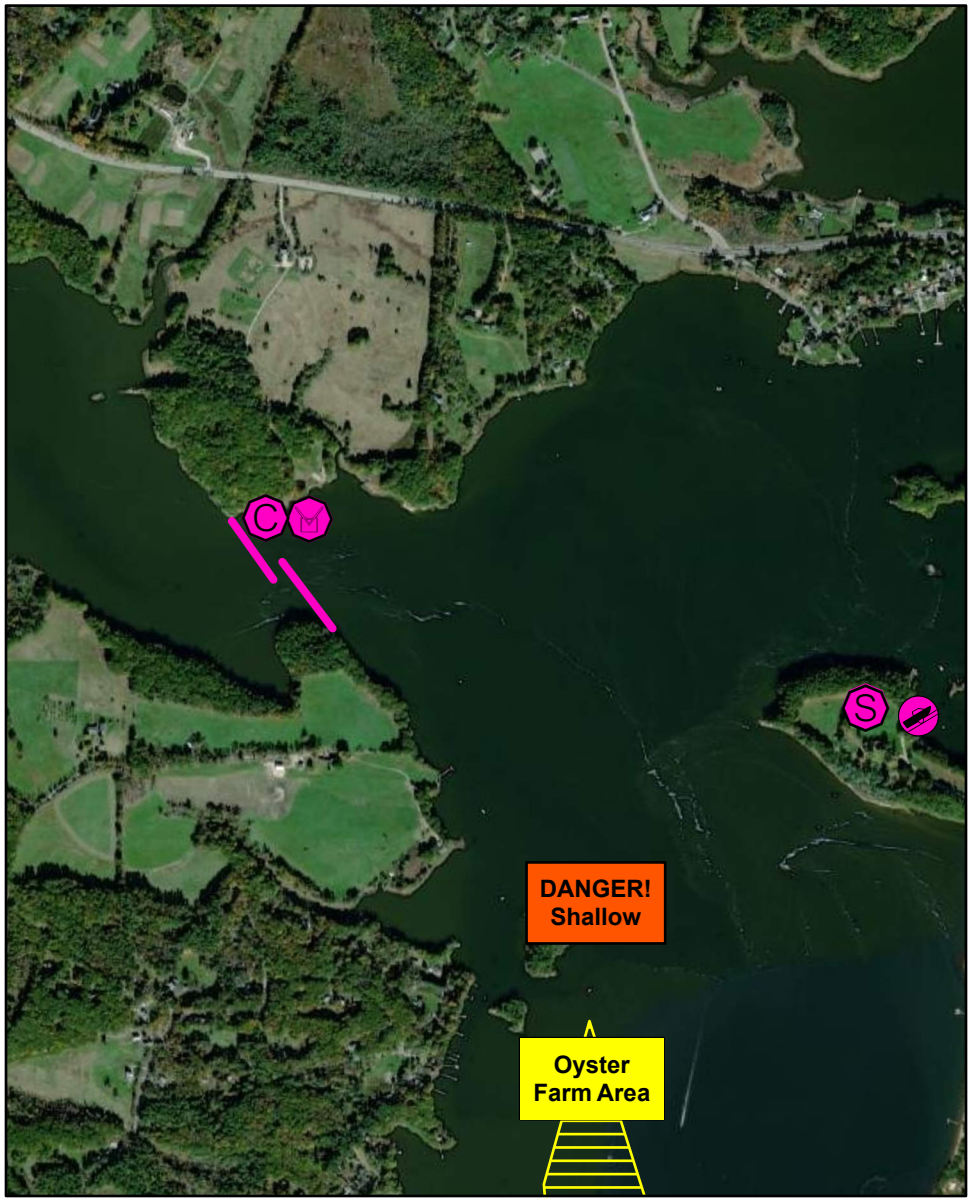
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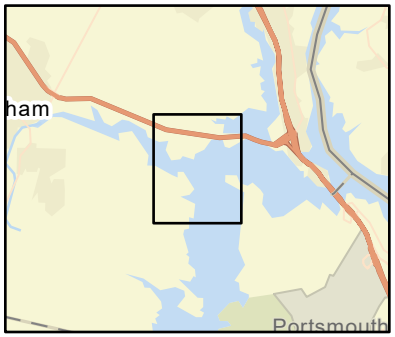
## Oyster River

## Durham, NH

0 1,000 2,000 Feet

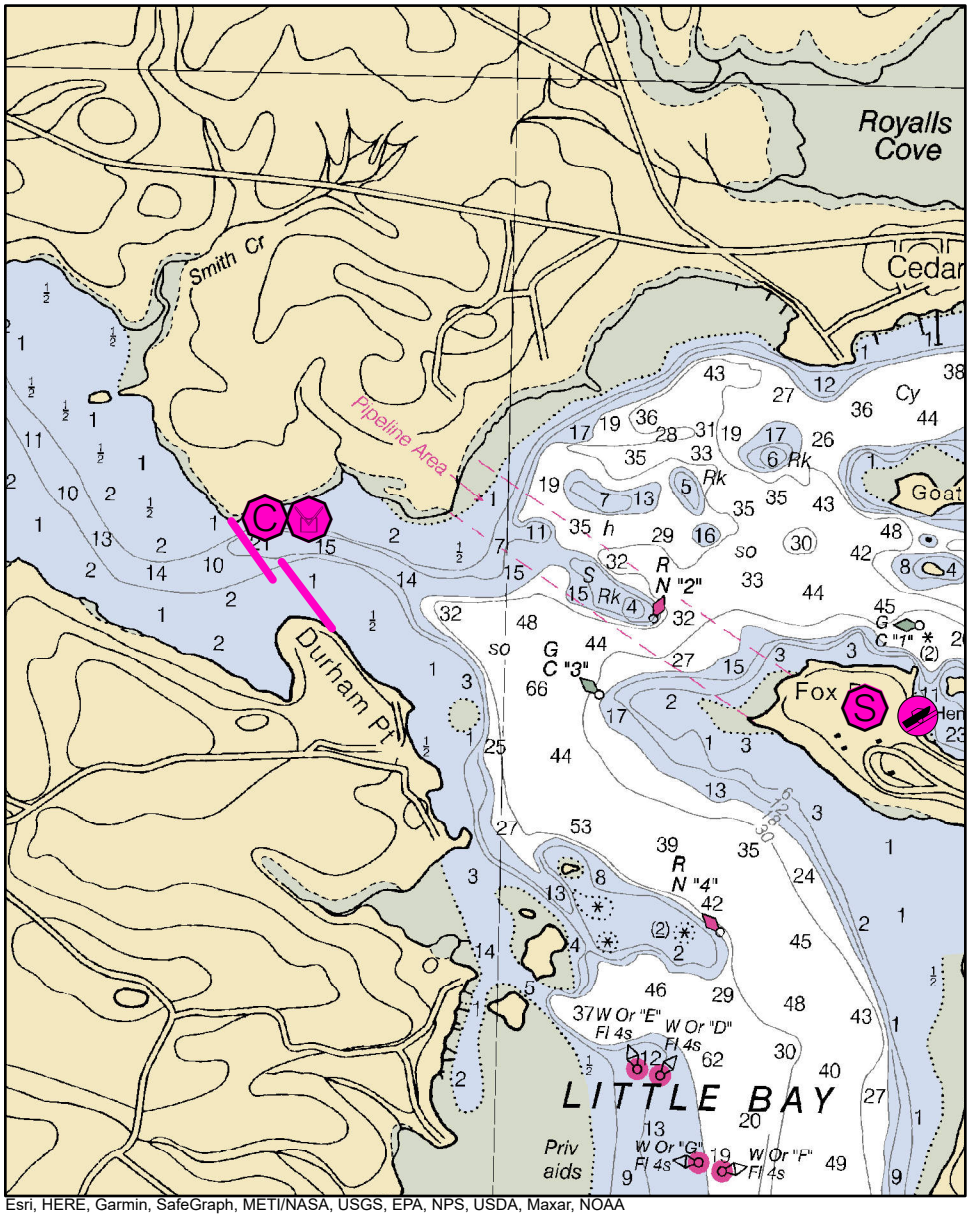
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-19-1 Oyster River

**Town** Durham, NH
**Latitude** 43° 07.401' N **Longitude** 70° 52.363' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb** 0.75
**Source** Measured

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13285_1
**ESI Map #** 55B
**EVI Map #** N/A
**DeLorme Map # (2019)** 30 (NH); 1 B2 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Mixed sand and gravel beaches (5)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Oyster River has numerous shorebird habitat areas and extensive salt marsh. Shellfish beds and diadromous fish runs.

**Archaeological Conflicts**

## Strategy Information

**Strategy Purpose** To prevent oil from entering Oyster River and its tributaries.

**Staging Areas** Fox Point boat launch, Newington (summer only) , Great Bay Marine, 61 Beane Lane, Newington or from Wagon Hill Farm shoreline, 156 Piscataqua Road, Durham

**Site Access** By water from Fox Point or Great Bay Marine

**Nearest Boat Ramp** Great Bay Marine (year round) or Fox Point boat ramp (summer only)

**Collection Points** Wagon Hill Farm shoreline, 156 Piscataqua Road, Durham

**Special Instructions** Secondary protection suggested at Bunker (A-19-3), Johnson (A-19-4), Smith (A-19-2) and Beards (A-19-5) Creeks.

**Work Assignment** Cascade one 500 foot length and one 650 foot length of containment boom across mouth of Oyster River.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1150

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
2 - anchor systems: 35 lb. Danforth or equivalent and 75' of line plus 35' tag line with buoys.
2 - shoreside anchoring systems: tree straps plus approximately 100' of line as needed.
1300' of 12" or 18" harbor boom
1 Vactruck or skimmer and storage
1 workboat (towboat) with minimum 90 hp
Personnel: 1 boat operator and 2 laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 5/23/2006 **Last Field Test:** 5/23/2006

# A-19-2

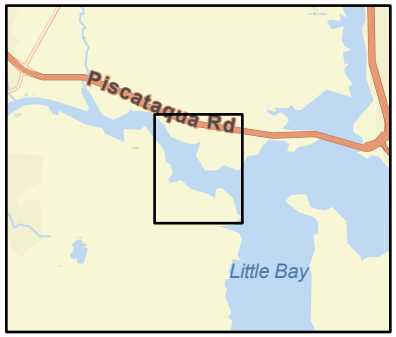
## Smith Creek on Oyster River

## Durham, NH

0 1,000 2,000 Feet

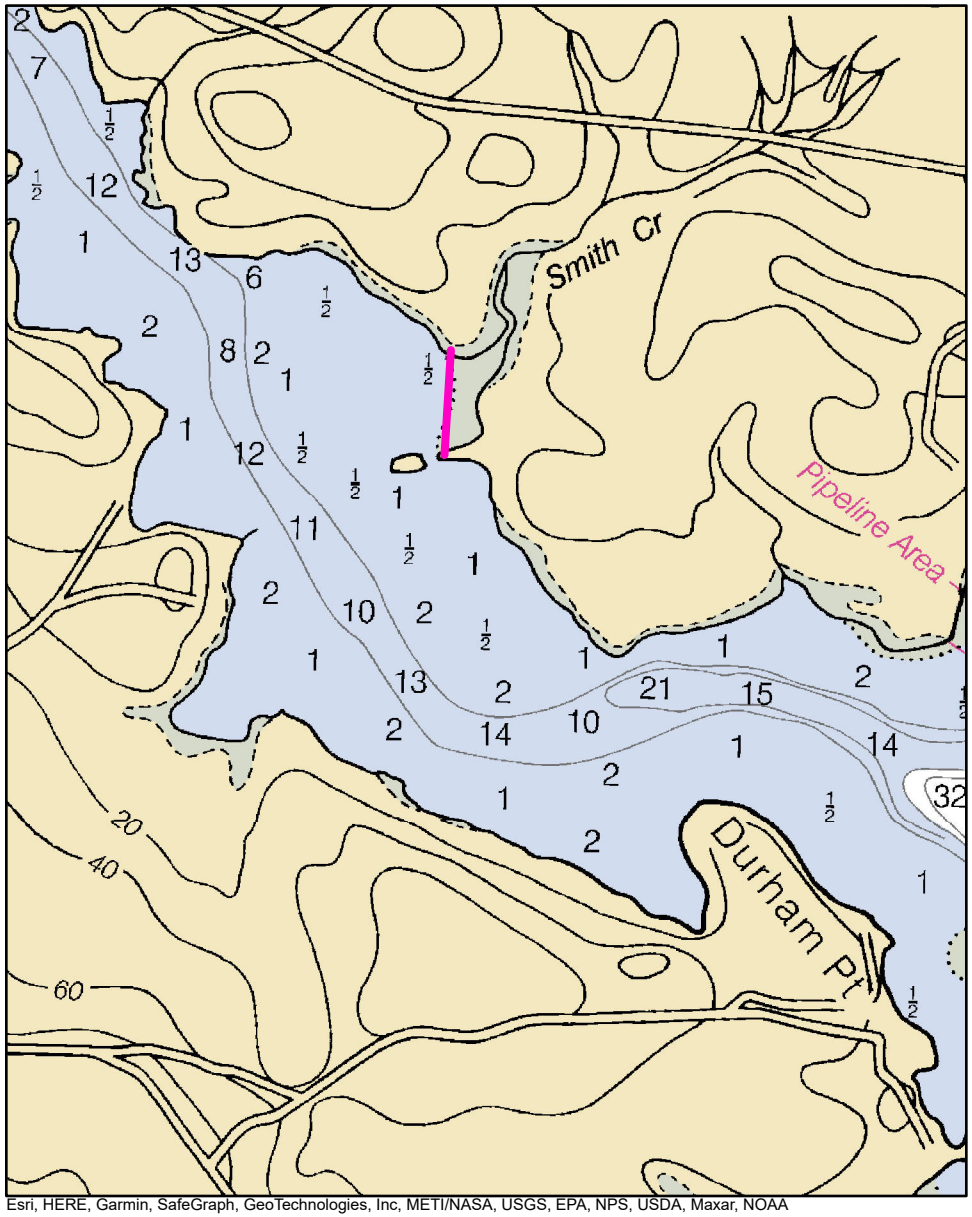
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-19-2 Smith Creek on Oyster River

**Town** Durham, NH
**Latitude** 43° 07.658' N **Longitude** 70° 52.632' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13285_1
**ESI Map #** 55B
**EVI Map #** N/A
**DeLorme Map # (2019)** 30 (NH); 1 B2 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered tidal flats (9A)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Salt marsh and shellfish habitat in Smith Creek

**Archaeological Conflicts**

## Strategy Information

**Strategy Purpose** To exclude oil from Smith Creek

**Staging Areas** Jackson's Landing boat ramp, 10 Old Piscataqua Road, Durham or from Fox Point, Newington (summer only)

**Site Access** By boat from Fox Point Newington (summer only) or Jackson's Landing boat ramp, 10 Old Piscataqua Road, Durham. A shallow draft boat capable of putting a crew ashore for tying off the boom ends is necessary.

**Nearest Boat Ramp** Fox Point, Newington 1.1 miles, or Jackson's Landing boat launch, 10 Old Piscataqua Road, Durham 1.9 miles over water

**Collection Points** N/A

**Special Instructions**

**Work Assignment** Deploy 550 feet of containment boom leaving enough slack to allow for low tide or adjust as necessary. Attach one end to the rocky point on the east side at 43 07.616 N and 70 52.640 W.
Attach the western end to a tree at the cobbled shore at 43 07.698 W and 70 52.663 W.
Boom can be towed to site from a PRC boom barge or a boom reel trailer driven over the road and parked at Fox Point in Newington.

## Recommended Equipment / Resources

**Length of Boom (feet)** 600 **Type of Boom** Harbor Boom

**Recommended Equipment (Minimum)**
2 - shoreside connections
1 - shallow draft boat
1 - boat operator
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 8/23/2005 **Last Field Test:** 8/23/2005

# A-19-3

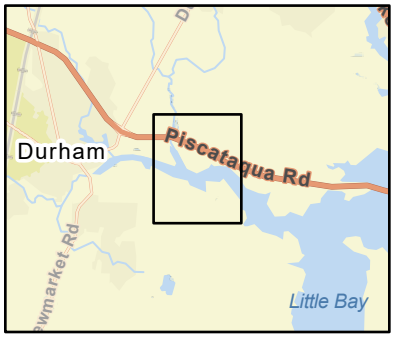
## Bunker Creek on Oyster River

## Durham, NH

0 1,000 2,000 Feet

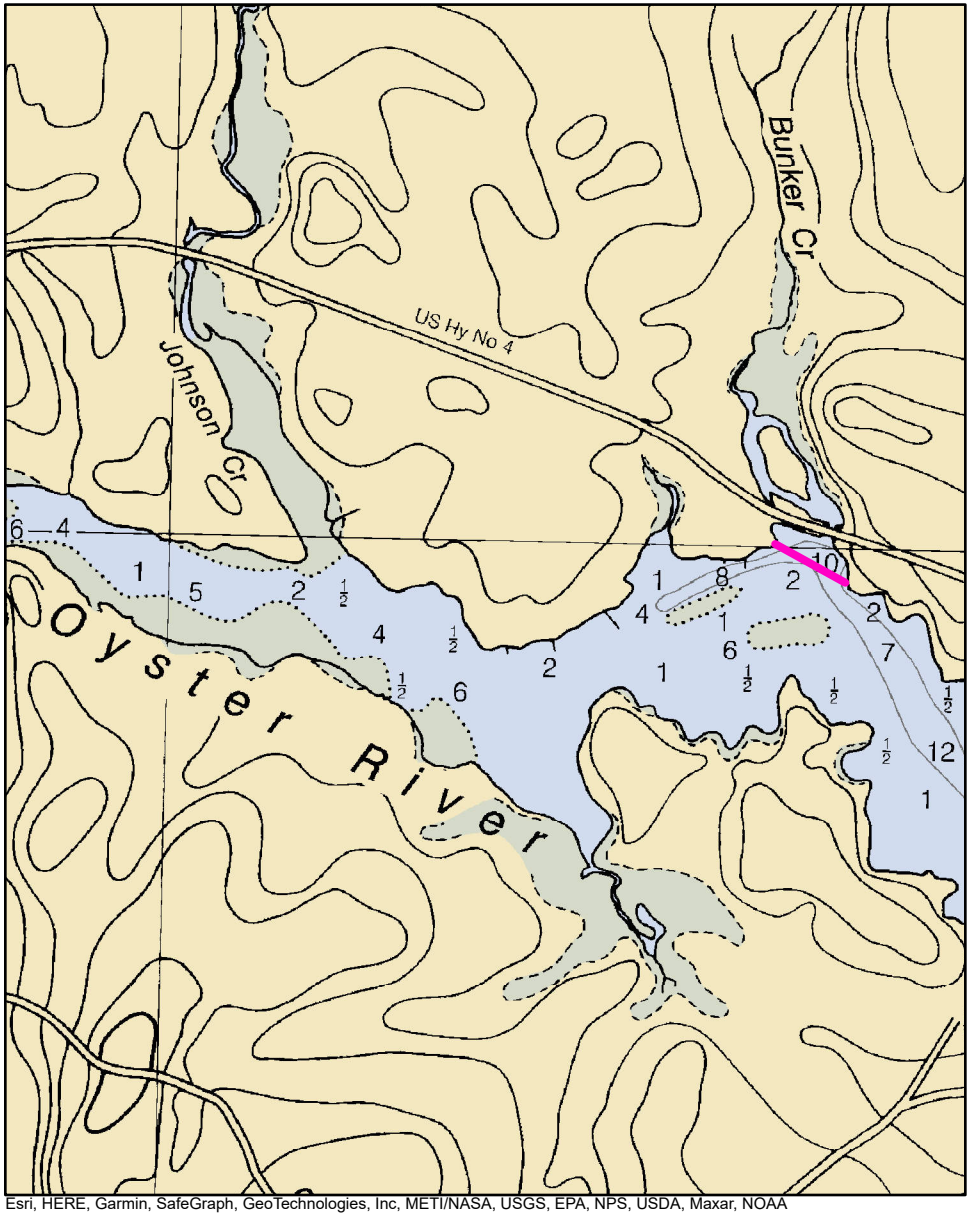
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-19-3 Bunker Creek on Oyster River

**Town** Durham, NH
**Latitude** 43° 08.004' N **Longitude** 70° 53.231' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13285_1
**ESI Map #** 55C, 55B
**EVI Map #** N/A
**DeLorme Map # (2019)** 30 (NH); 1 B2 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered tidal flats (9A)
**ESI Secondary Shoreline Type** Vegetated low banks (9B)

**Environmental Concerns** Marsh and tidal flats in creek

**Archaeological Conflicts**

## Strategy Information

**Strategy Purpose** To exclude oil from Bunker Creek

**Staging Areas** Jackson's Landing boat ramp, 10 Old Piscataqua Road, Durham or Fox Point boat ramp, Newington (summer only)

**Site Access** Bunker Creek passes through a concrete culvert under Route 4 and flows into the Oyster River. Oyster River is within 50 feet of Route 4. Or access by boat from Jackson's Landing boat ramp, Durham or Fox Point ramp, Newington (summer only).

**Nearest Boat Ramp** Jackson's Landing boat ramp, 10 Old Piscataqua Road, Durham 1.1 miles

**Collection Points** N/A

**Special Instructions**

**Work Assignment** Deploy 500 feet of containment boom leaving enough slack to allow for low tide or adjust as necessary. Attach west end to the rocky point at 43 07.972 N and 070 53.140 W. Attach east end to a point near the dock at 43 08.004 W and 070 53.231 W.
Boom can be towed to site from a PRC boom barge or a boom reel trailer driven over the road and parked at Jackson's Landing, Durham or Fox Point, Newington.

## Recommended Equipment / Resources

**Length of Boom (feet)** 500
**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
2 - shoreside connections
1 - shallow draft boat
1 - boat operator
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 8/30/2005 **Last Field Test:** 8/30/2005

# A-19-4

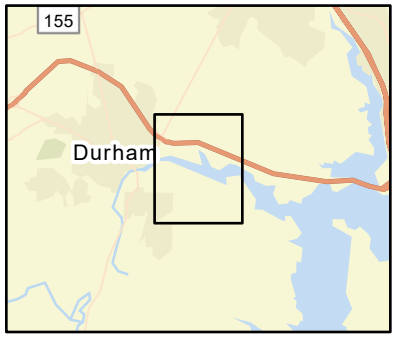
## Johnson Creek on Oyster River

## Durham, NH

0 1,000 2,000 Feet

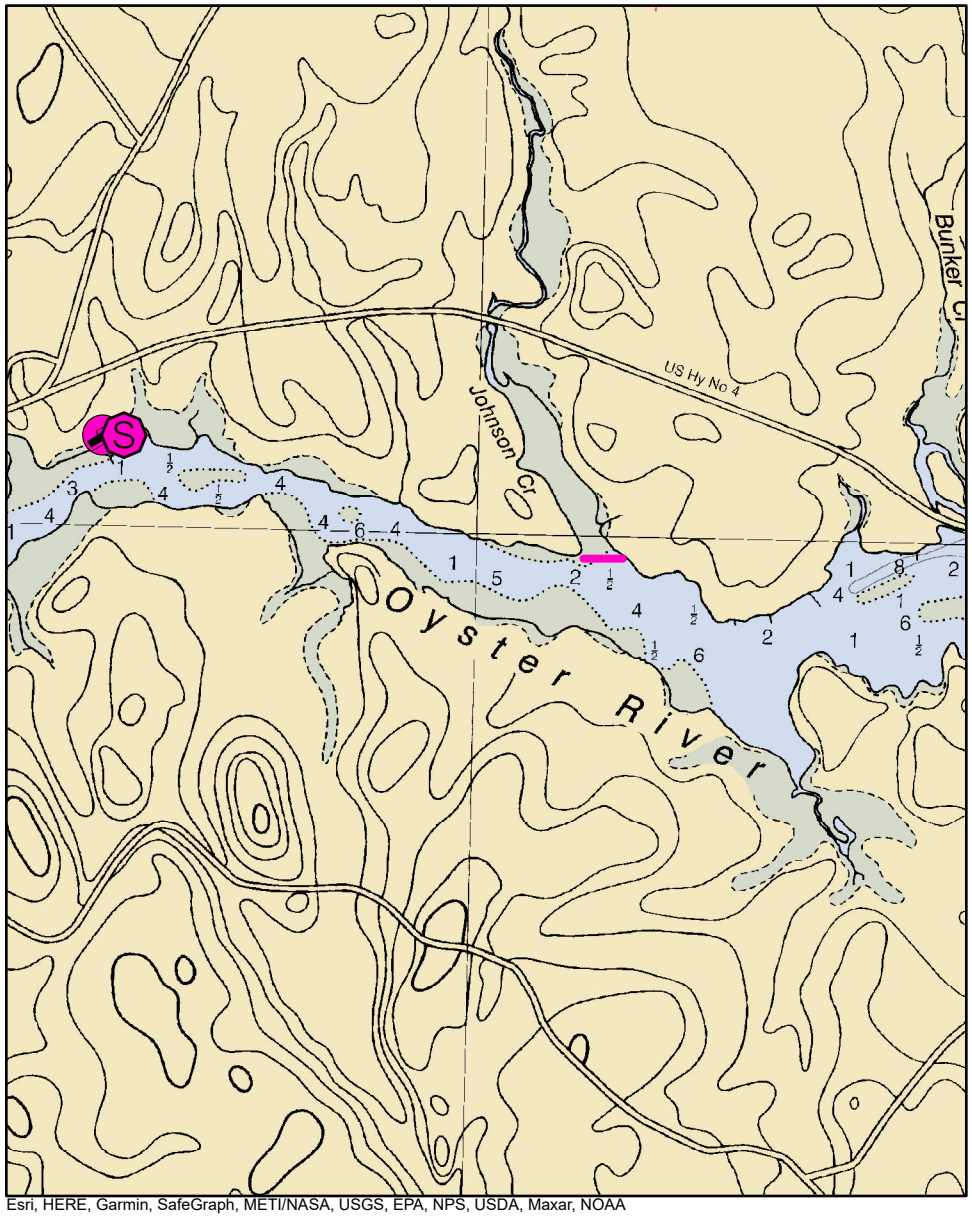
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-19-4 Johnson Creek on Oyster River

**Town** Durham, NH
**Latitude** 43° 07.974' N **Longitude** 70° 53.768' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13285_1
**ESI Map #** 55C, 55B
**EVI Map #** N/A
**DeLorme Map # (2019)** 30 (NH); 1 B2 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered tidal flats (9A)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Salt marsh, tidal flats, shorebird and wading bird habitat in creek.

**Archaeological Conflicts**

## Strategy Information

**Strategy Purpose** To exclude oil from Johnson Creek

**Staging Areas** Jackson's Landing, 10 Old Piscataqua Road, Durham

**Site Access** By boat from Jackson's Landing

**Nearest Boat Ramp** Jackson's Landing, 10 Old Piscataqua Road, Durham - 0.7 miles

**Collection Points** N/A

**Special Instructions**

**Work Assignment** Deploy 400 feet of containment boom leaving enough slack to allow for low tide or adjust as necessary. Attach west end to a tree at the point at 43 07.978 N and 070 53.832 W. Attach east end to a tree at the point at 43 07.983 W and 070 53.765 W.
Boom can be towed to site from a PRC boom barge or a boom reel trailer driven over the road and parked at Jackson's Landing, 10 Old Piscataqua Road, Durham or Fox Point boat ramp (summer only).

## Recommended Equipment / Resources

**Length of Boom (feet)** 400
**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
2 - shoreside connections
1 - shallow draft boat
1 - boat operator
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 9/1/2005 **Last Field Test:** 9/1/2005

# A-19-5

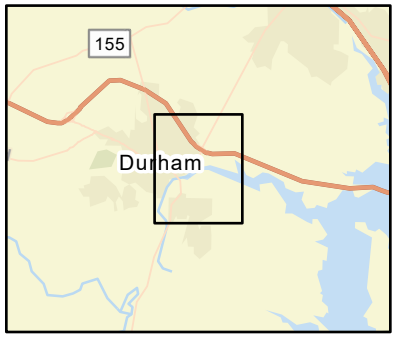
## Beards Creek on Oyster River

## Durham, NH

0 1,000 2,000 Feet

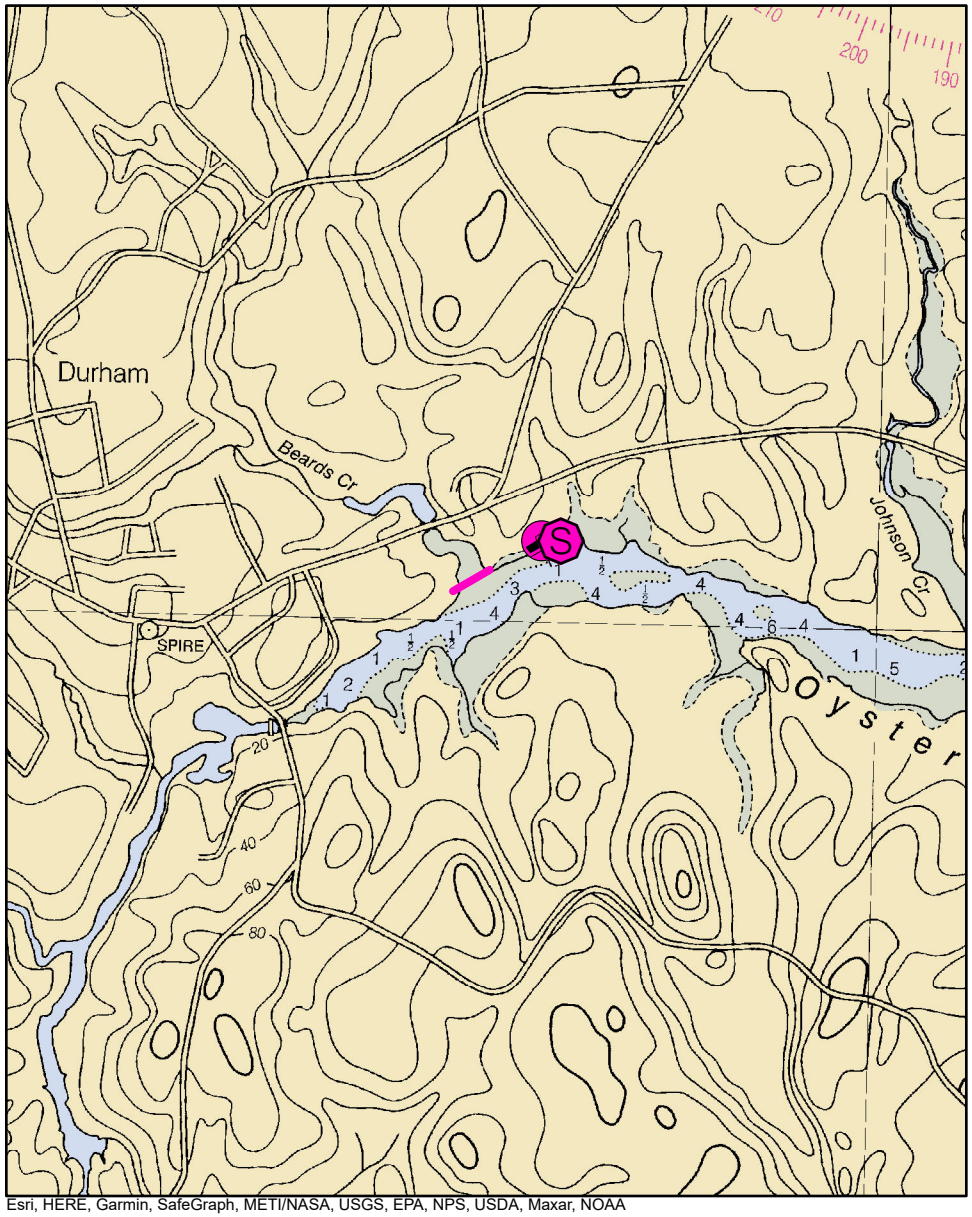
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-19-5 Beards Creek on Oyster River

**Town** Durham, NH
**Latitude** 43° 08.052' N **Longitude** 70° 54.743' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13285_1
**ESI Map #** 55C
**EVI Map #** N/A
**DeLorme Map # (2019)** 30 (NH); 1 B2,B1 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered tidal flats (9A)
**ESI Secondary Shoreline Type** Salt- and brackish-water marshes (10A)

**Environmental Concerns** Tidal flats in creek

**Archaeological Conflicts**

## Strategy Information

**Strategy Purpose** To exclude oil from Beards Creek

**Staging Areas** Jackson's Landing boat ramp, 10 Old Piscataqua Road, Durham

**Site Access** By boat from Jackson's Landing boat ramp

**Nearest Boat Ramp** Jackson's Landing boat ramp, 10 Old Piscataqua Road, Durham - adjacent to site

**Collection Points** N/A

**Special Instructions**

**Work Assignment** Deploy 300 feet of containment boom leaving enough slack to allow for low tide or adjust as necessary. Attach west end to the rocky point at 43 07.972 N and 070 53.140 W. Attach east end to a point near the dock at 43 08.004 W and 070 53.231 W.
Boom reel trailer driven over the road and parked at Jackson's Landing, Durham.

## Recommended Equipment / Resources

**Length of Boom (feet)** 300 **Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
2 - shoreside connections
1 - shallow draft boat
1 - boat operator
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 9/22/2005 **Last Field Test:** 9/22/2005

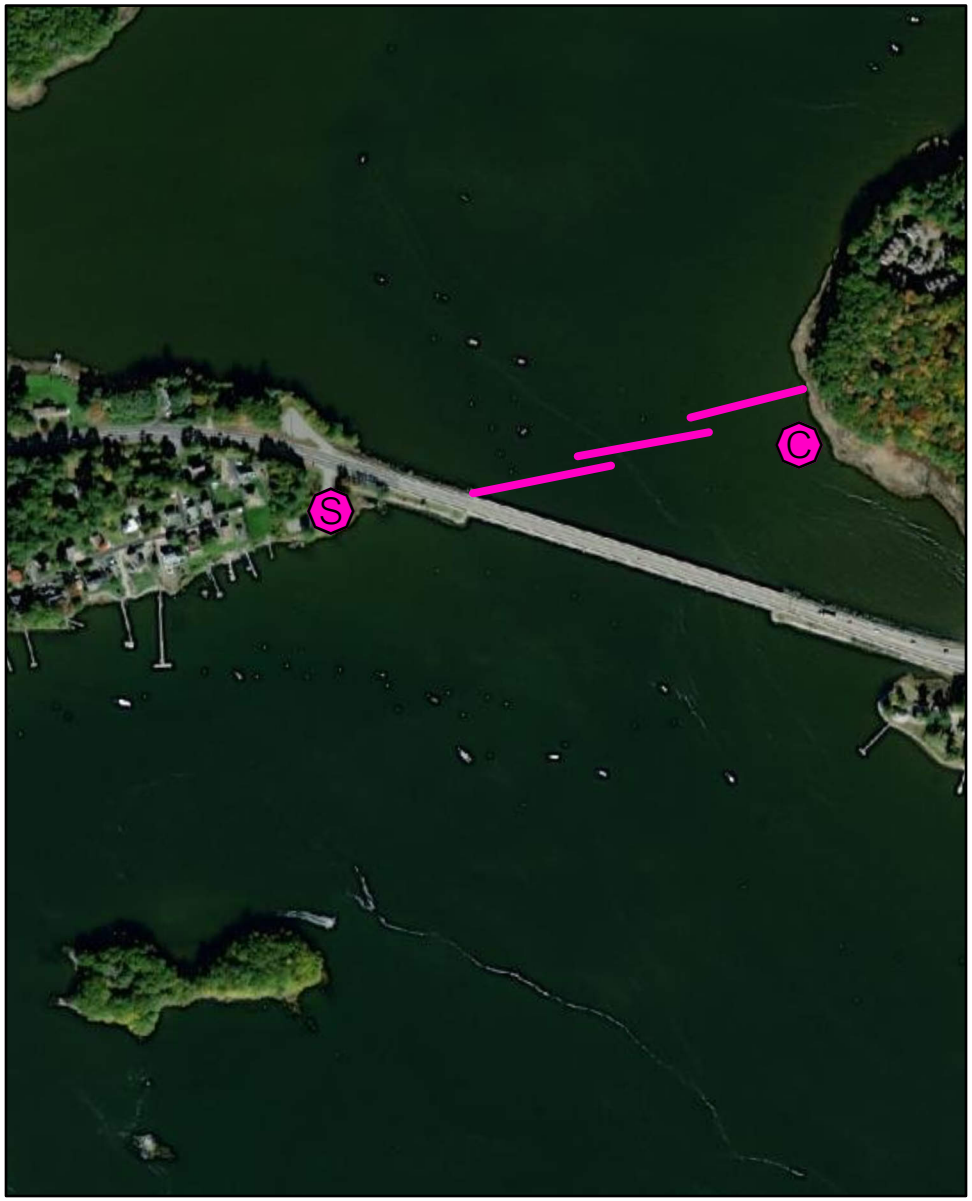
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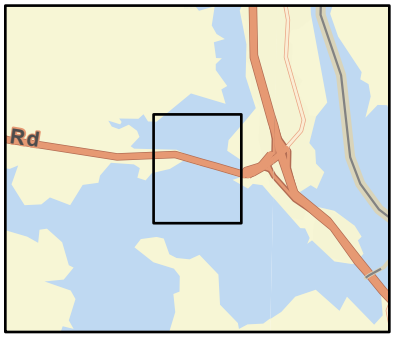
## Bellamy River

## Dover, NH

0 825 1,650 Feet

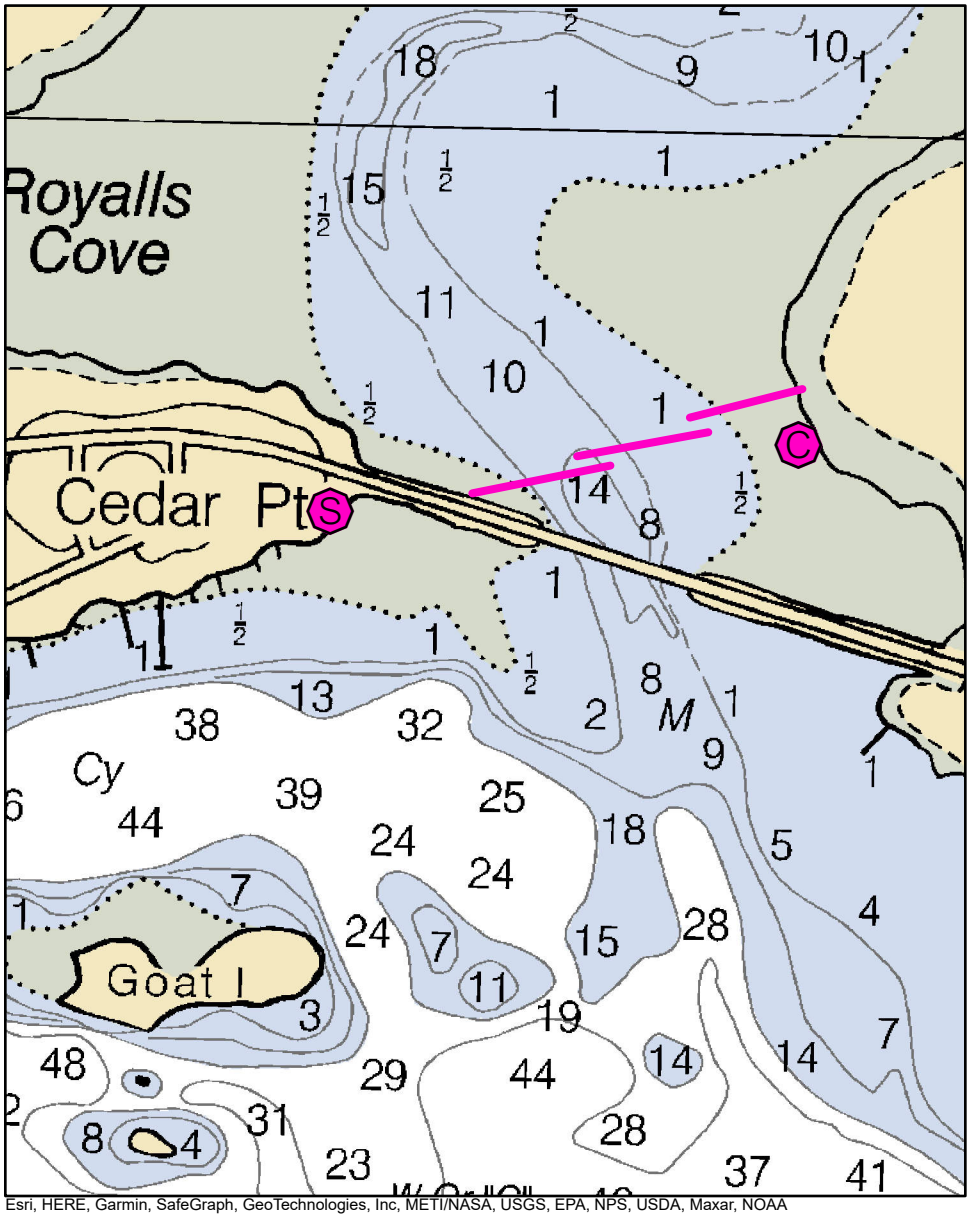
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-20-1 Bellamy River

**Town** Dover, NH
**Latitude** 43° 07.684' N **Longitude** 70° 50.903' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** 0.85 **Ebb**
**Source** Measured

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13285_1
**ESI Map #** 55B
**EVI Map #** 2 (Part)
**DeLorme Map # (2019)** 30 (NH); 1 B2 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered riprap (8C)
**ESI Secondary Shoreline Type** Sheltered tidal flats (7)

**Environmental Concerns** Tidal flats, shellfish beds, saltmarsh, shorebird and waterfowl habitat in Bellamy River

**Archaeological Conflicts**

## Strategy Information

**Strategy Purpose** To divert oil from Bellamy River

**Staging Areas** Durham side of Route 4 bridge - parking area and stairs

**Site Access** By boat and from Route 4 bridge

**Nearest Boat Ramp** Great Bay Marine, 61 Beane Lane, Newington

**Collection Points** Shore of bridge near boom ends.

**Special Instructions**

**Work Assignment** Deploy three 500 foot sections of containment boom in a cascade from bridge abutment to eastern shore.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1500

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys.
2 - shoreside connections.
1 - skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 7/1/2003 **Last Field Test:** 10/13/2004

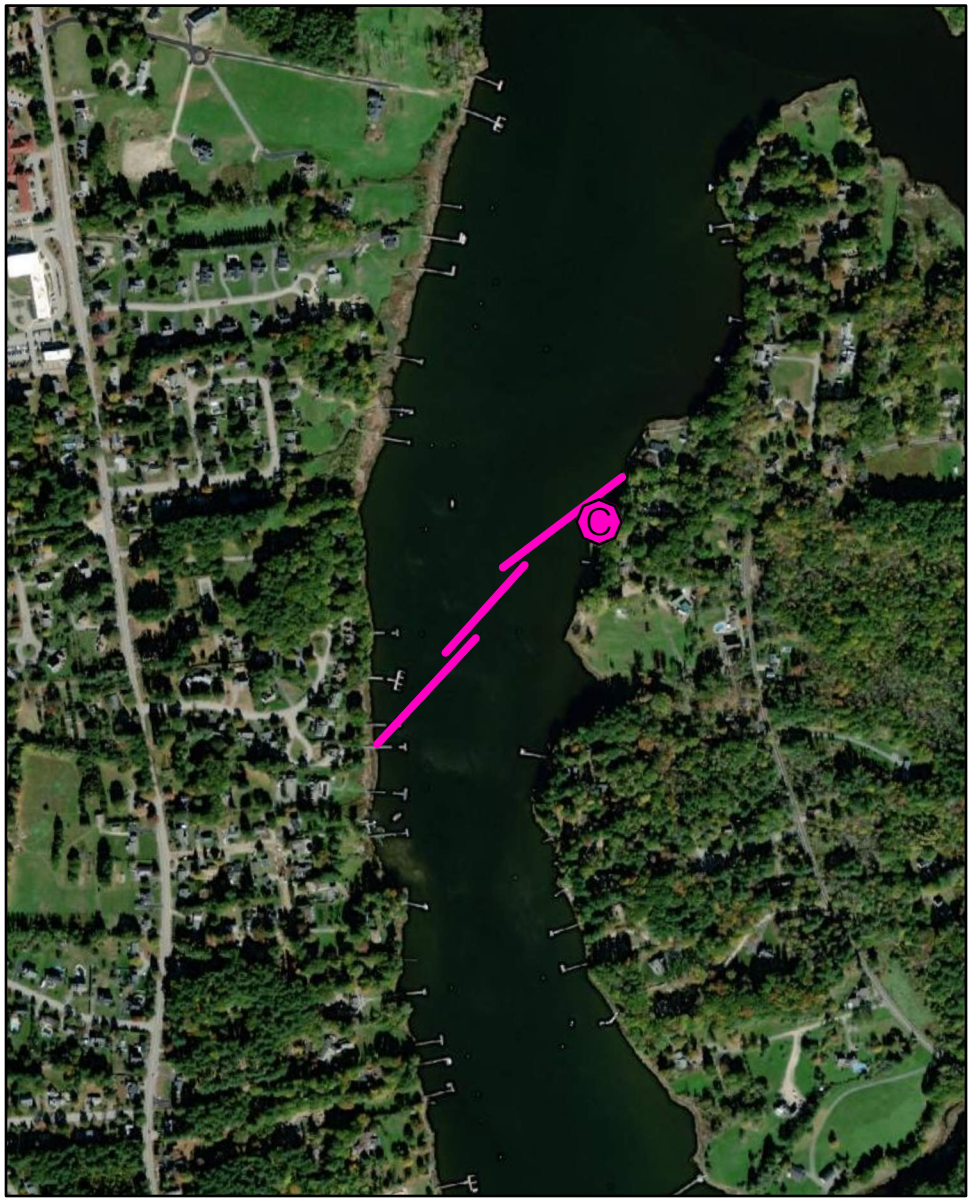
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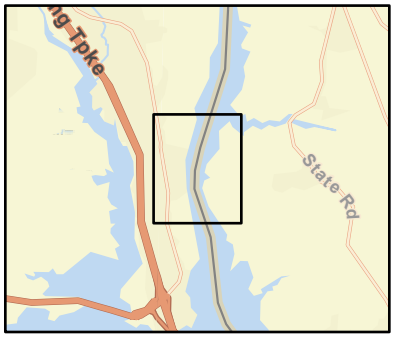
## Upper Piscataqua River

## Dover, NH / Eliot, ME

0 1,000 2,000 Feet

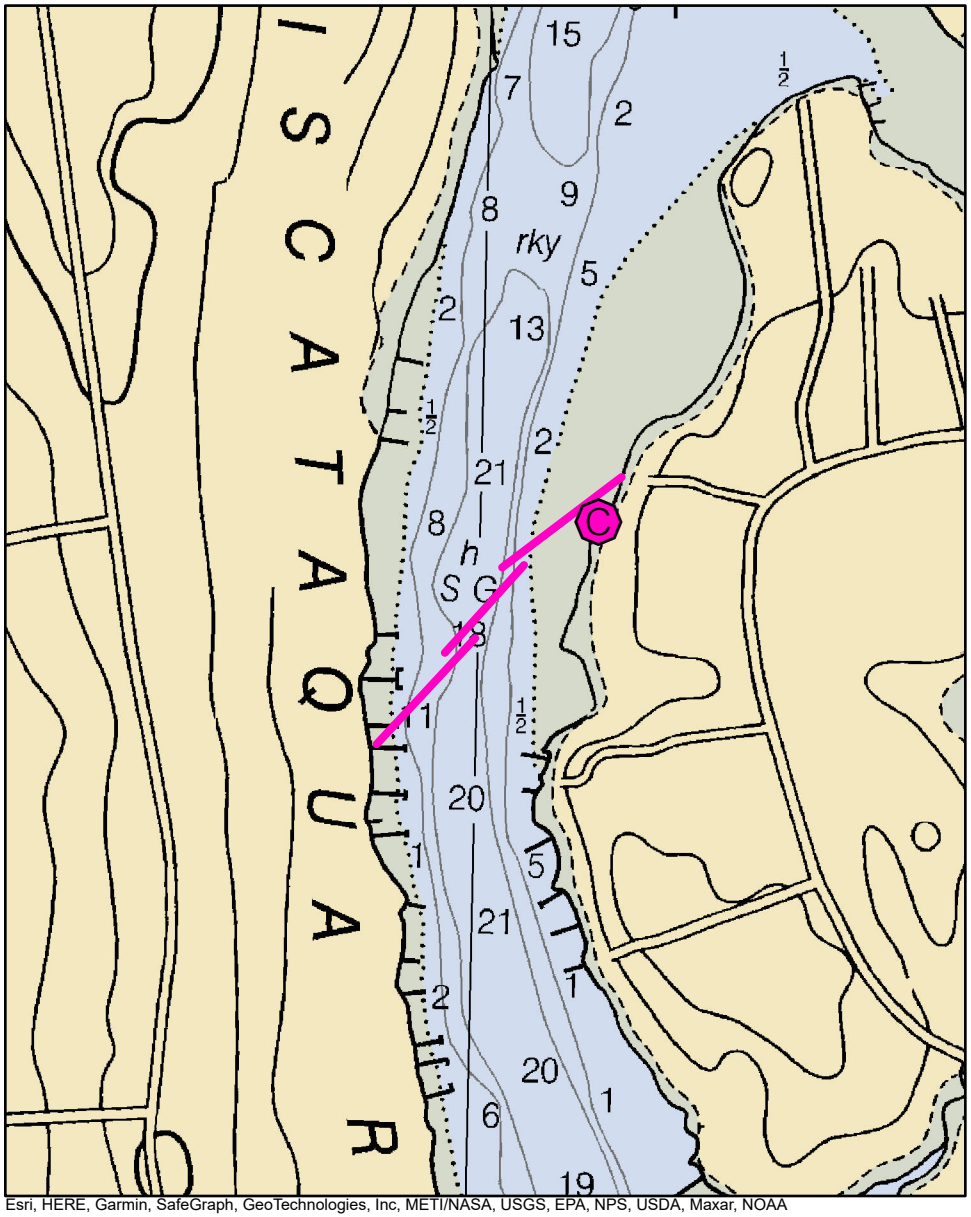
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-21-1 Upper Piscataqua River

**Town** Dover, NH / Eliot, ME
**Latitude** 43° 08.864 N **Longitude** 70° 49.999 W
**Approx. Tidal Range (feet)** 7
**Max Current (knots)** **Flood** **Ebb** 0.5
**Source** Estimated

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13285_1
**ESI Map #** 55B
**EVI Map #** 2
**DeLorme Map # (2019)** 1 B3

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered tidal flats (9A)
**ESI Secondary Shoreline Type** Salt- and brackish-water marshes (10A)

**Environmental Concerns** Upper Piscataqua has shorebird habitat, shellfish areas (closed to harvest), diadromous fish runs, lobsters, bald eagles

**Archaeological Conflicts** ME: No conflict as designed; wreck upriver of boom. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

NH: Contact NHDHR at (603)-271-3484

## Strategy Information

**Strategy Purpose** Divert oil to shore for collection

**Staging Areas** Hilton Park Boat Ramp (mid and high tide only) and/or from private property on Maine side.

**Site Access** Hilton Park boat ramp: Route 16, Dover Point, NH.
Eliot boat ramp: Off Route 103 (Main St.) to Hammond Lane and Junkins Lane
Maine collection area: 26 Foxbrush Drive, Eliot. From Eliot center, Route 103 N to River Road. Left on River Road. Site is 0.65 miles from intersection, between Riverview Drive and Foxbrush Drive. Property has retaining wall on water.

**Nearest Boat Ramp** 1.25 miles, Hilton Park Dover Point

**Collection Points** From private property on Maine side (see Site Access), or from NH shore for ebb tide.

**Special Instructions** Middle of river is state boundary. Collect on NH side for ebb tide

**Work Assignment** Use three 600 foot lengths of containment boom to cascade across river for collection

## Recommended Equipment / Resources

**Length of Boom (feet)** 1800

**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys.
2 - shoreside connections. (Can tie off to trees on Maine side).
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 10/18/2018 **Last Field Visit** 8/14/2003 **Last Field Test:** 10/8/2013

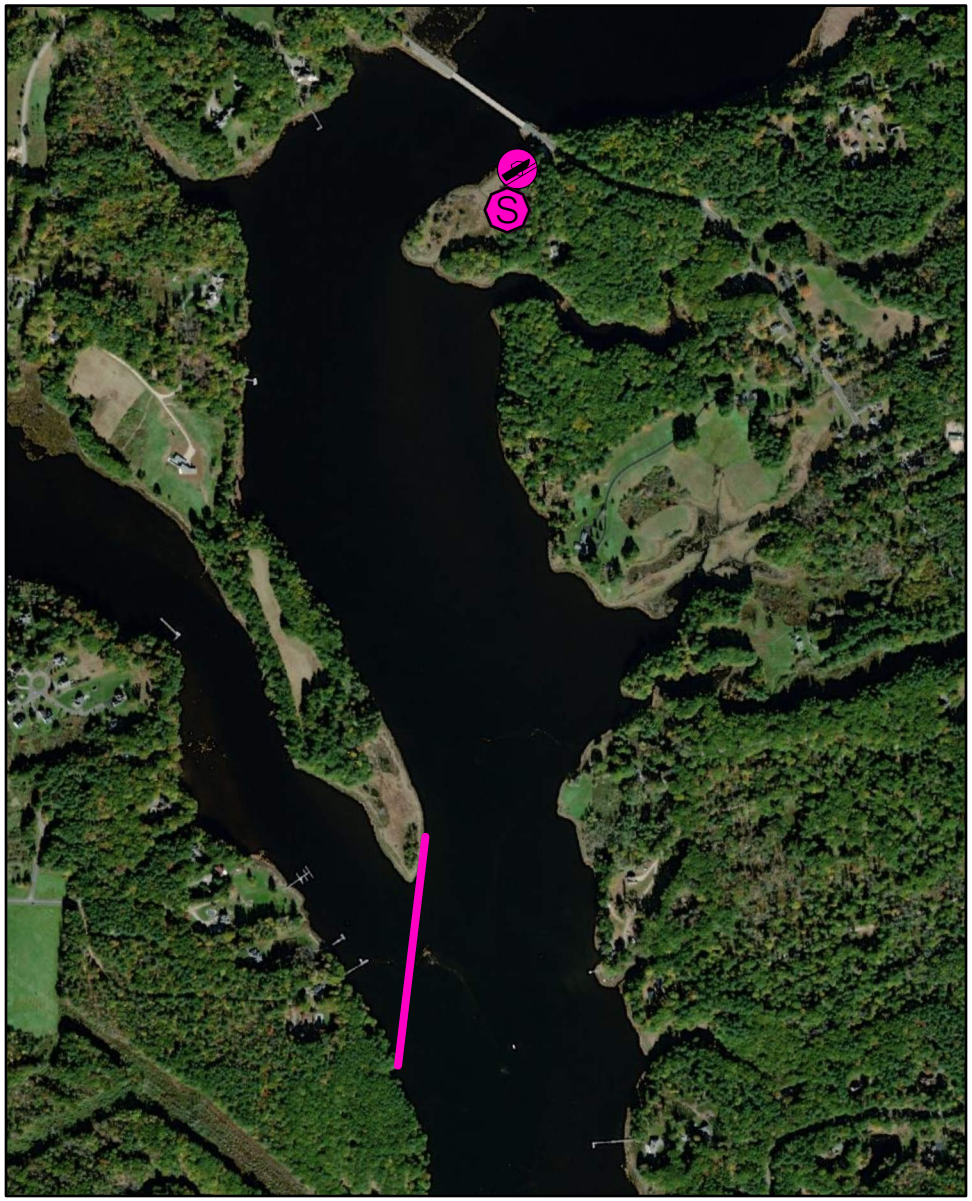
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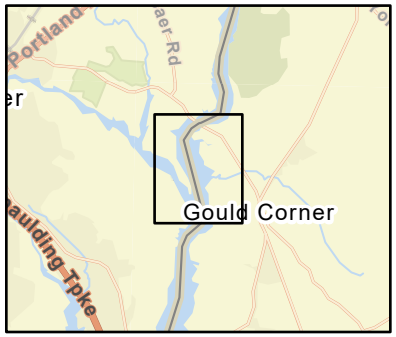
## Cocheco River

## Dover, NH

0 1,000 2,000 Feet

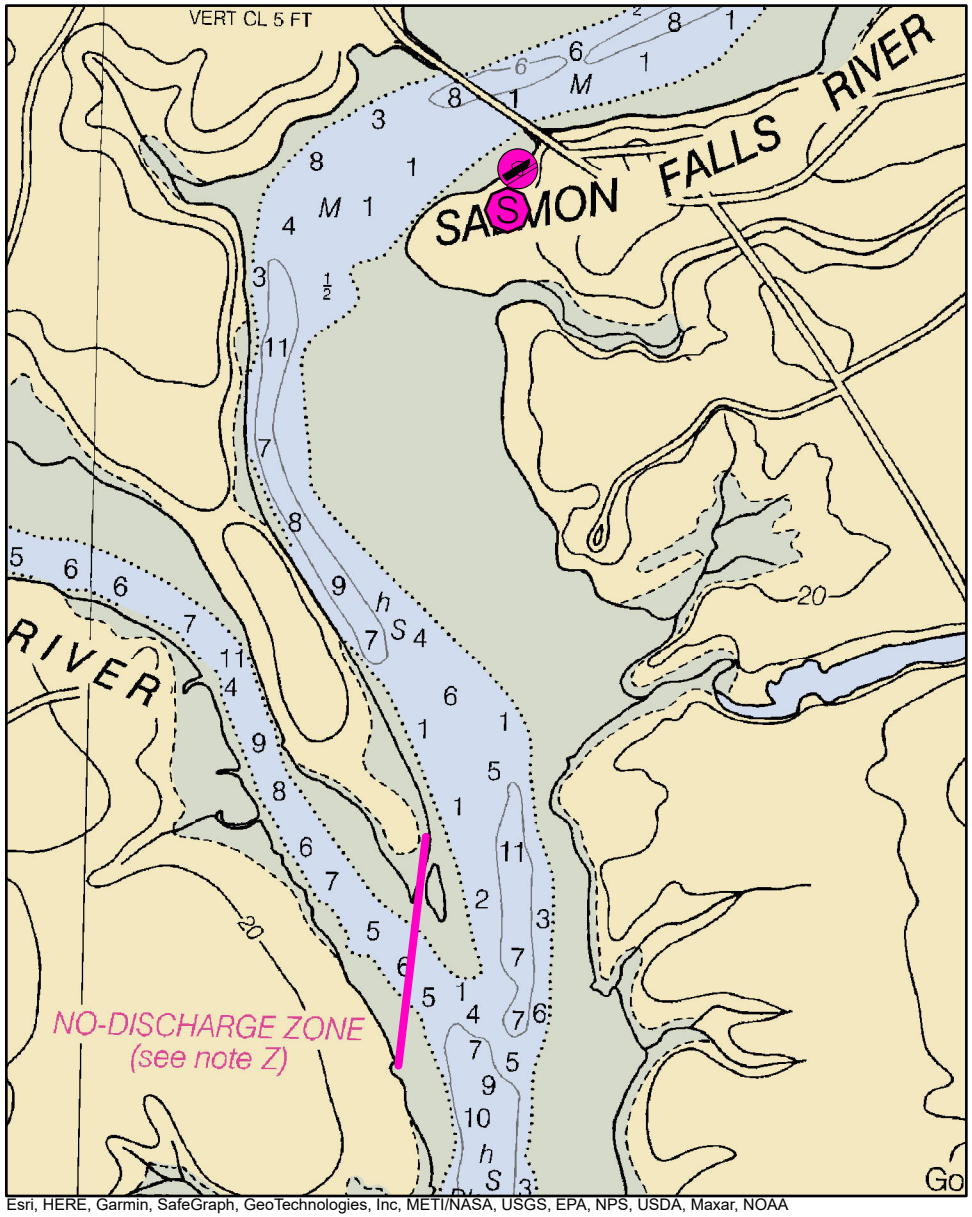
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-22-1 Cocheco River

**Town** Dover, NH
**Latitude** 43° 10.635 N **Longitude** 70° 49.631 W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb** 0.75
**Source** Estimated

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13285_1
**ESI Map #** 55A
**EVI Map #** 5, 2
**DeLorme Map # (2019)** 30 (NH); 1 A3 (ME)

## Resources At Risk

**ESI Primary Shoreline Type** Vegetated low banks (9B)
**ESI Secondary Shoreline Type** Salt- and brackish-water marshes (10A)

**Environmental Concerns** Tidal flats and fringing marshes upriver. Nesting between April and August: American black duck, Canada goose, Mallard. Other birds that frequent the area may include: Blue-winged teal, Great blue heron, Greater yellowlegs, Lesser yellowlegs, Marsh wren and Virginia rail.

**Archaeological Conflicts** ME side: No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

NH: Contact NHDHR at (603)-271-3484

## Strategy Information

**Strategy Purpose** To exclude oil from Cocheco River and deflect up to Salmon Falls bridge for collection.

**Staging Areas** William A. Bray Memorial Park boat launch at Salmon Falls River Bridge, Route 101, South Berwick, ME. Via Dover Road from NH

**Site Access** By boat or from William A. Bray Memorial Park boat launch at Salmon Falls River Bridge.

**Nearest Boat Ramp** William A. Bray Memorial Park boat launch, Salmon Falls Bridge, Route 101, South Berwick, ME. Via Dover Road from NH.

**Collection Points** N/A. Deflect oil for collection at Salmon Falls River bridge

**Special Instructions**

**Work Assignment** By boat connect one end of 1,300 feet of containment boom to north shore at 43° 10.743 N / 70° 49.571 W. Connect other end to south shore at 43° 10.534 N / 70° 49.602 near the end of Cullen Bay Road on Dover Point.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1300
**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
1 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys.
2 - shoreside connections.
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 8/14/2003 **Last Field Test:** 8/27/2004

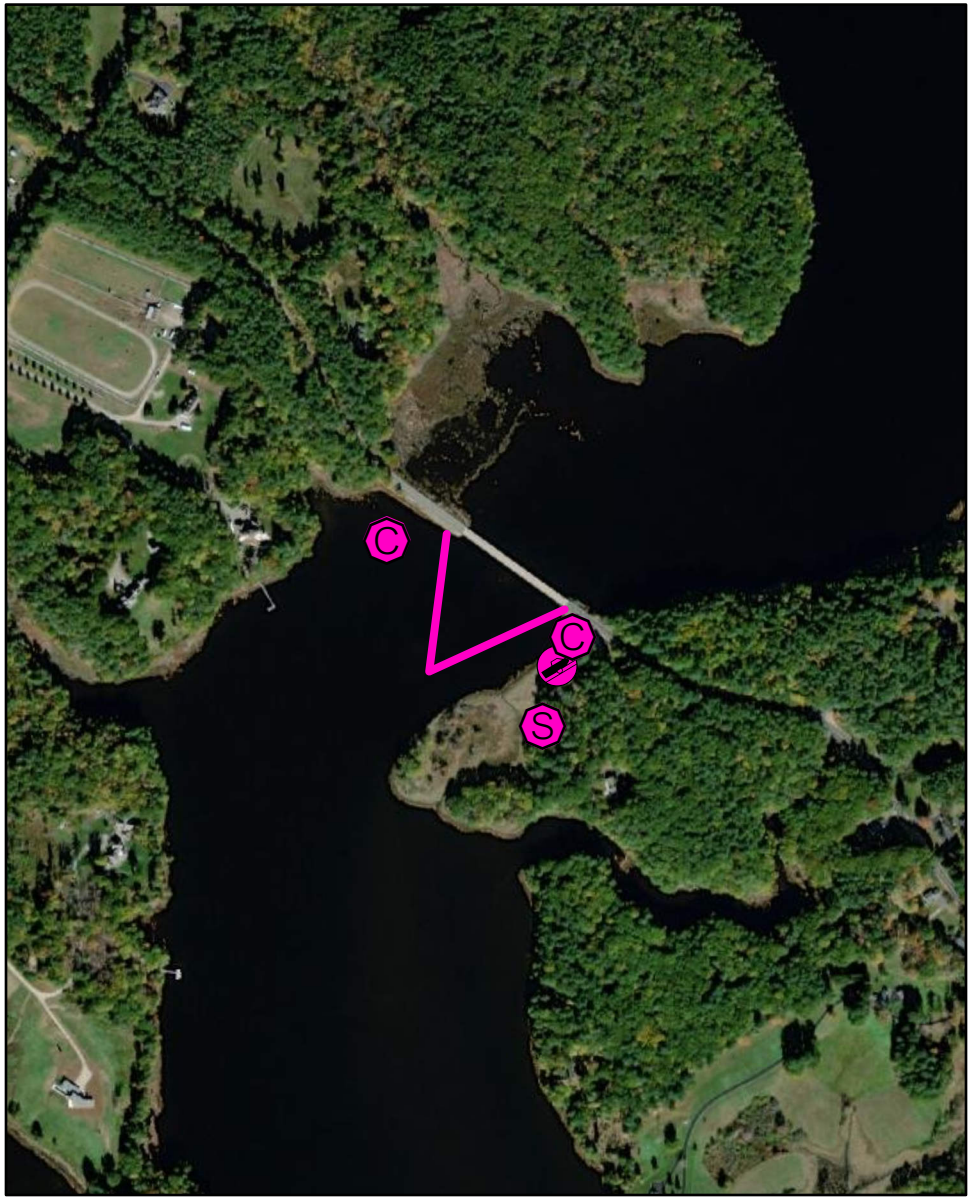
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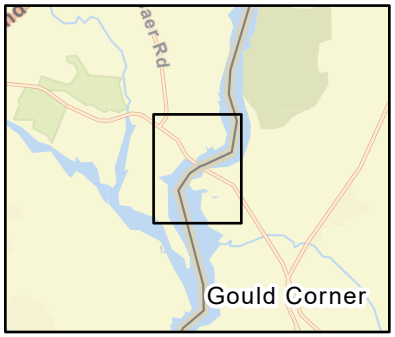
## Salmon Falls River

## Dover, NH / South Berwick, ME

0 925 1,850 Feet

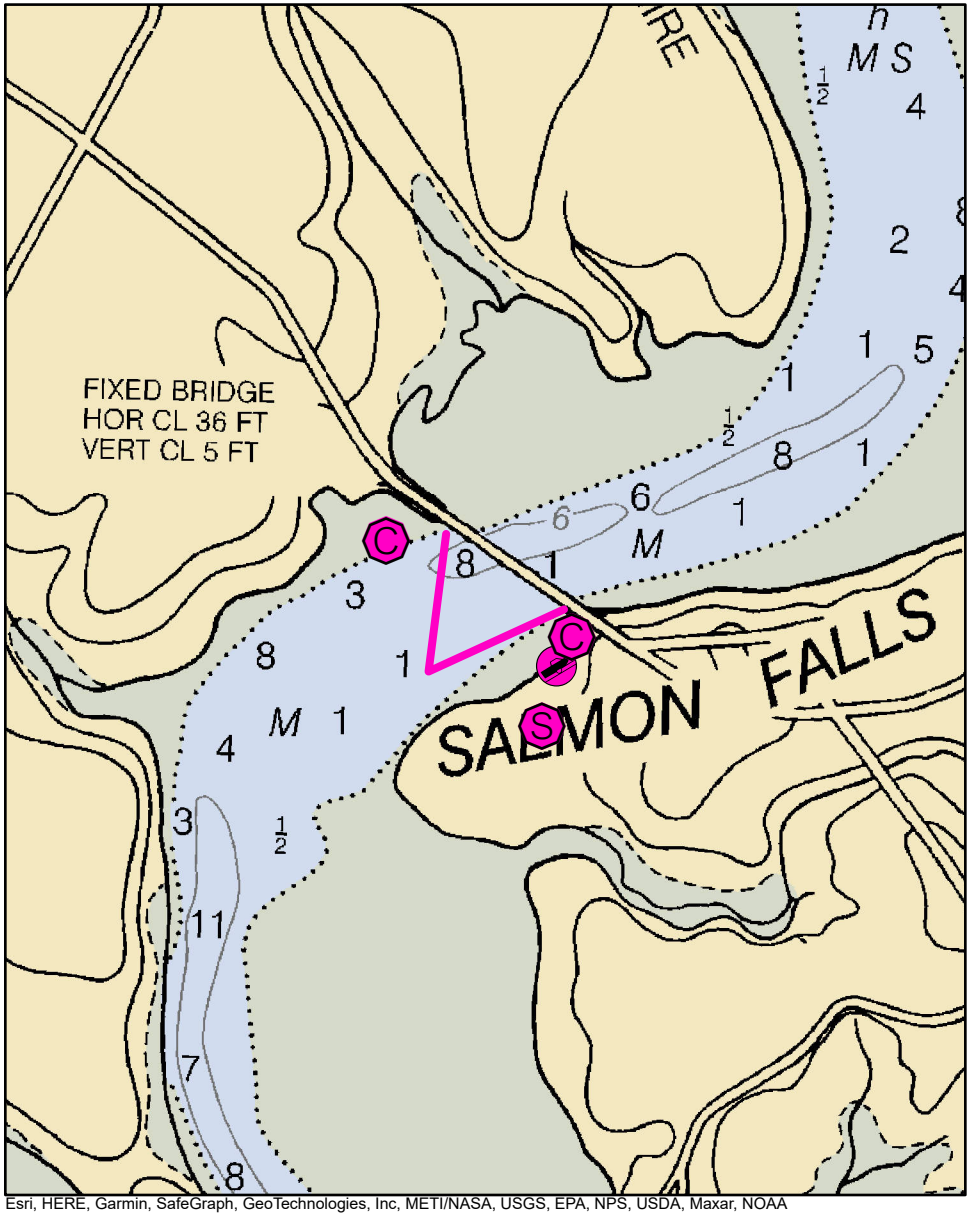
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-23-1 Salmon Falls River

**Town** Dover, NH / South Berwick, ME
**Latitude** 43° 11.410' N **Longitude** 70° 49.552' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb** < 0.5
**Source** Estimated

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13285_1
**ESI Map #** 55A
**EVI Map #** 5
**DeLorme Map # (2019)** 30 (NH); 1 A3(ME)

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered riprap (8C)
**ESI Secondary Shoreline Type** Sheltered tidal flats (7)

**Environmental Concerns** Saltmarsh, shorebirds and wading birds, shellfish beds, elver run, rare plants, surface water intake upstream (South Berwick & Somersworth)

**Archaeological Conflicts** ME: None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

NH: Contact NHDHR at (603)-271-3484

## Strategy Information

**Strategy Purpose** Divert oil to collection sites on each side of river

**Staging Areas** William A. Bray Memorial Park boat ramp at site, Route 101, South Berwick. Via Dover Road from NH

**Site Access** William A. Bray Memorial Park boat ramp at site, Route 101, South Berwick. Via Dover Road from NH

**Nearest Boat Ramp** William A. Bray Memorial Park boat ramp at site, Route 101, South Berwick

**Collection Points** Either side of boom at Salmon Falls River Bridge

**Special Instructions** Middle of river is state boundary.

**Work Assignment** Deploy two 600 foot lengths of containment boom in a chevron configuration from bridge abutments down river to a mid channel anchor and float. Collect and recover oil from each shore.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1200

**Type of Boom** Harbor Boom

**Recommended Equipment (Minimum)**

1 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
2 - shoreside connections (bridge abutments)
1 - vacuum truck or skimmer and storage
1 - workboats (towboats) with minimum 90 hp
1 - boat operators
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 8/14/2003 **Last Field Test:** 5/23/2002

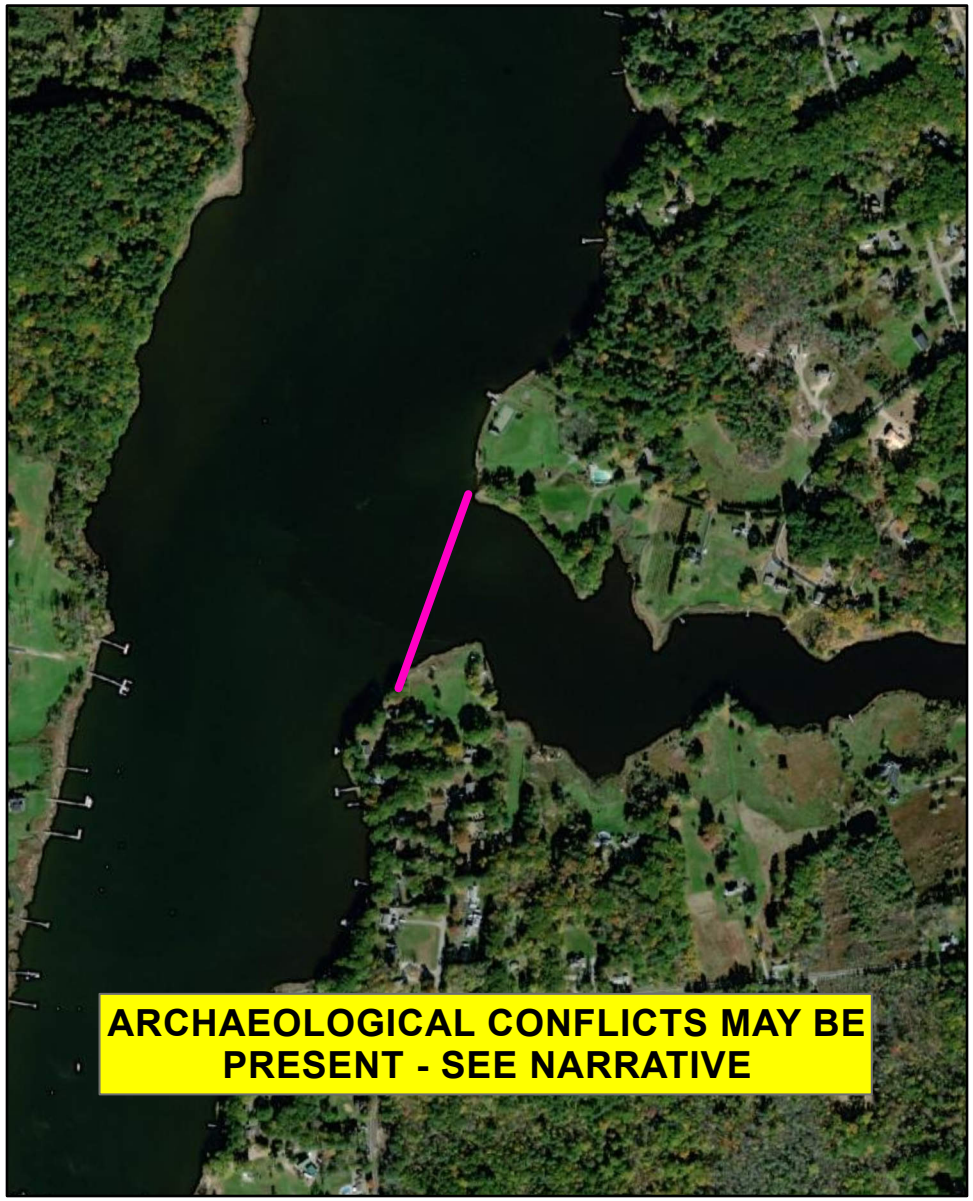
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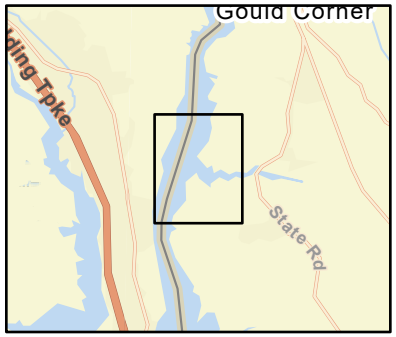
## Sturgeon Creek

## Eliot, ME

0 1,000 2,000 Feet

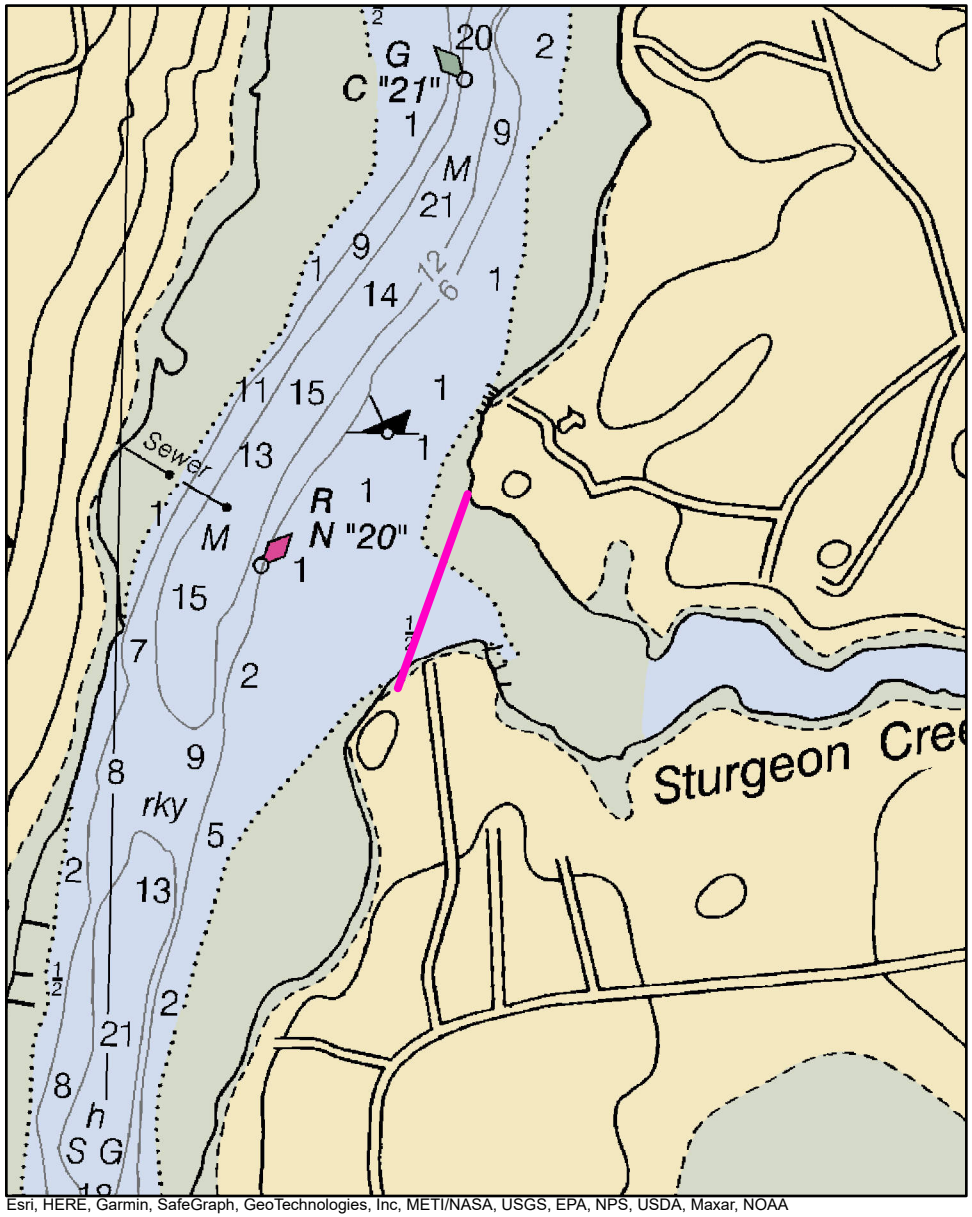
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




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# A-24-1 Sturgeon Creek

**Town** Eliot, ME
**Latitude** 43° 09.298 N **Longitude** 70° 49.686 W
**Approx. Tidal Range (feet)** 7
**Max Current (knots)** **Flood** **Ebb** < 0.5
**Source** Estimated

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13285_1
**ESI Map #** 55B
**EVI Map #** 2
**DeLorme Map # (2019)** 1 B3

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered tidal flats (9A)
**ESI Secondary Shoreline Type** Salt- and brackish-water marshes (10A)

**Environmental Concerns** Salt marsh at head of creek, mudflats, elver run, shellfish (closed to harvest), rare plant (saltmarsh aster)

**Archaeological Conflicts** ME side: No conflict as designed; wreck located in Piscataqua River channel as depicted in NOAA nautical chart. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

NH: Contact NHDHR at (603)-271-3484

## Strategy Information

**Strategy Purpose** Exclude oil from Sturgeon Creek

**Staging Areas** Eliot boat launch

**Site Access** By boat from Eliot boat launch, Route 103 to Hammond Lane and Junkins Lane

Closest address: 61 Junkins Lane, Eliot

**Nearest Boat Ramp** Eliot boat launch

**Collection Points** N/A

**Special Instructions**

**Work Assignment** Deploy 900 feet of containment boom to exclude oil from Sturgeon Creek.

## Recommended Equipment / Resources

**Length of Boom (feet)** 900
**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
2 - shoreside connections.
1 - workboat (towboat) with minimum 90 hp
1 - boat operators
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 10/18/2018 **Last Field Visit** 8/14/2003 **Last Field Test:** 5/24/2001

# A-25-1

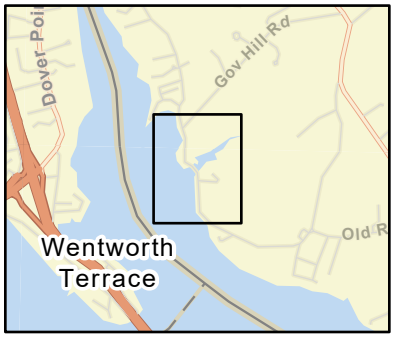
## Stacy Creek

## Eliot, ME

0 620 1,240 Feet

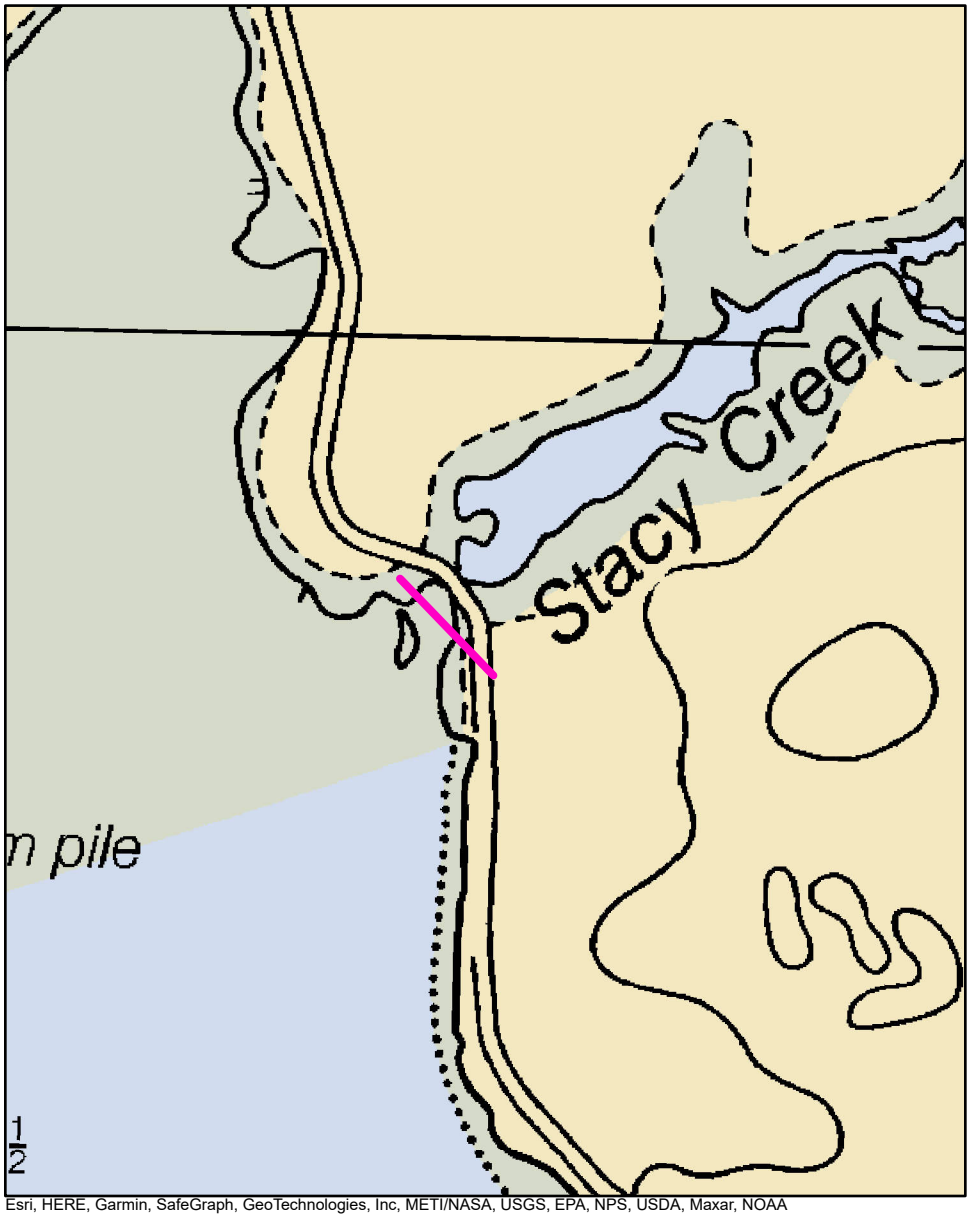
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-25-1 Stacy Creek

**Town** Eliot, ME

**Latitude** 43° 07.876 N **Longitude** 70° 49.314 W

**Approx. Tidal Range (feet)** 7

**Max Current (knots)** **Flood** **Ebb**

**Source**

**Port Region** New Hampshire and Southern Maine

**NOAA Chart #** 13285_1

**ESI Map #** 55B

**EVI Map #** 2

**DeLorme Map # (2019)** 1 B3

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered tidal flats (9A)

**ESI Secondary Shoreline Type** Salt- and brackish-water marshes (10A)

**Environmental Concerns** Eelgrass, mudflats, salt marsh

**Archaeological Conflicts** ME: Old mill location underwater in mouth of Stacy Creek, likely beyond where boom in in map. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

NH: Contact NHDHR at (603)-271-3484

## Strategy Information

**Strategy Purpose** Exclude oil from Stacy Creek

**Staging Areas** River Road, Eliot

**Site Access** From Route 103 Eliot, take left onto Old Road to River Road

Closest address: 401 River Road, Eliot, ME

**Nearest Boat Ramp** N/A

**Collection Points** N/A

**Special Instructions** Traffic control needed during deployment. Consider deploying debris trap on upstream end side of River Road culvert to protect downstream boom.

**Work Assignment** Deploy 400 feet of containment boom across culvert. Deploy from shore - no boat access. Ample anchor points north and south of creek mouth.

## Recommended Equipment / Resources

**Length of Boom (feet)** 400

**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
2 - shoreside connections
1 - vehicle with boom
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 10/18/2018 **Last Field Visit** 6/9/2022 **Last Field Test:**

# A-26-1

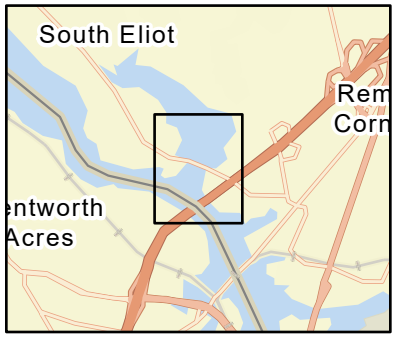
## Spinney Creek

## Eliot, ME

0 725 1,450 Feet

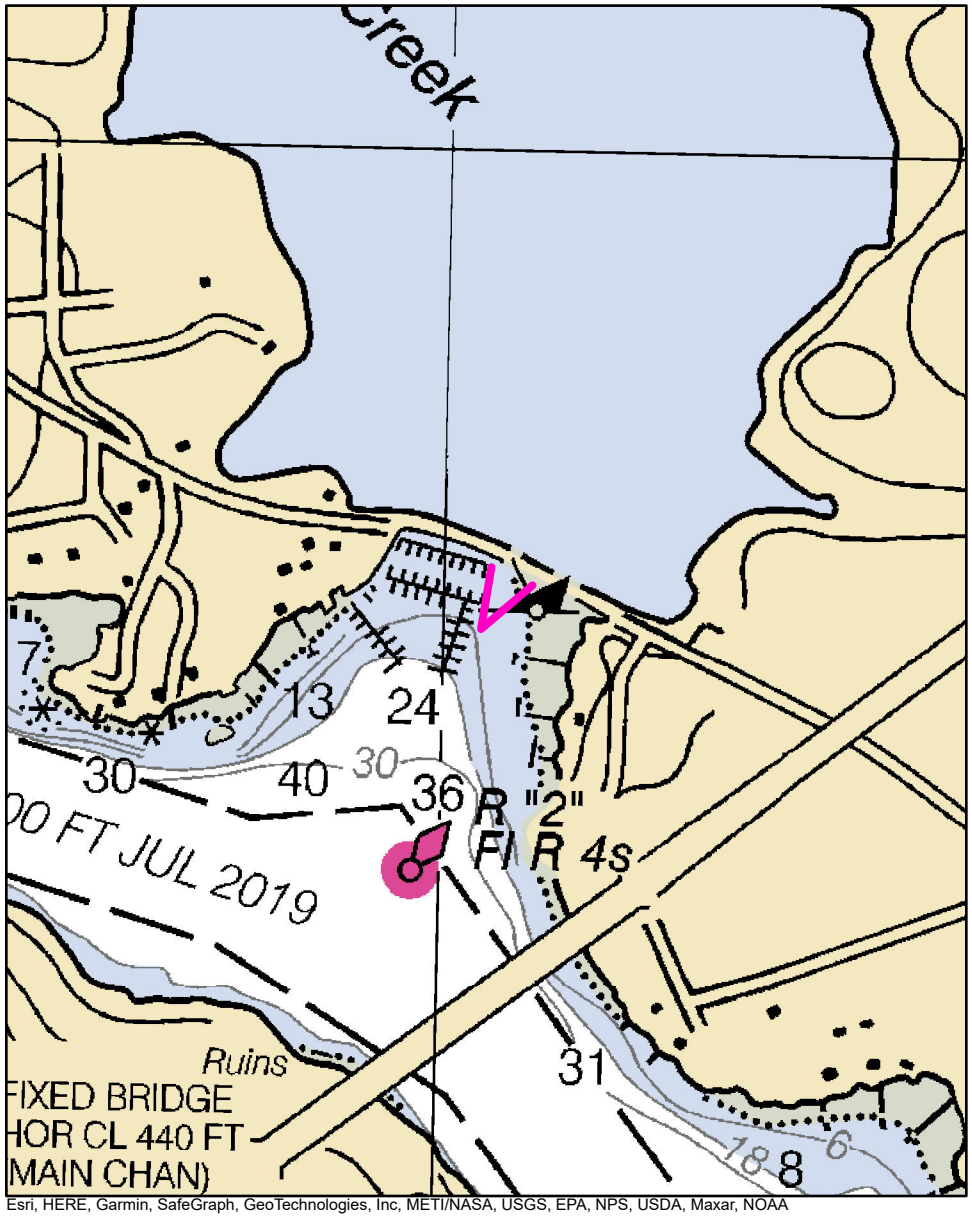
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




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# A-26-1 Spinney Creek

**Town** Eliot, ME
**Latitude** 43° 05.766 N **Longitude** 70° 45.983 W
**Approx. Tidal Range (feet)** 0 - 9
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13285_1
**ESI Map #** 54D
**EVI Map #** 2
**DeLorme Map # (2019)** 1 B3

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered, solid man-made structures (8B)
**ESI Secondary Shoreline Type** Sheltered riprap (8C)

**Environmental Concerns** Shellfish in Spinney Creek. Contact Tom or Lori Howell at Spinney Creek Shellfish: 207-439-2719, or after hours: 439-5210 (cell: 451-8025).

**Archaeological Conflicts** ME: None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

NH: Contact NHDHR at (603)-271-3484

## Strategy Information

**Strategy Purpose** To exclude oil from Spinney Creek

**Staging Areas** Route 103 for tide gate and Town of Eliot boat launch, 90 Hammond Lane, Eliot

**Site Access** Rt. 103 or by water from Eliot boat launch

**Nearest Boat Ramp** Eliot boat launch, 90 Hammond Lane, Eliot

**Collection Points** NA

**Special Instructions**

**Work Assignment** Primary: Contact South Berwick DOT Bridge Maintenance Supervisor at 207-624-3339 to close tidal gate at Route 103 in Eliot.

Secondary: Deploy 200 feet of containment boom in front of tidal gate in chevron configuration.

Tertiary: If resources allow, cascade 1500 feet of containment boom across mouth of Spinney Creek to avoid oiling Great Cove Boat Club, 1 Main Street, Eliot

## Recommended Equipment / Resources

**Length of Boom (feet)** 200 **Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

Primary:

Contact DOT in So. Berwick to close gate (207-624-3339)

Secondary / Tertiary:

1 - 5 anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines with buoys.
2 - 4 shoreside connections
1 -2 workboats (towboats) with minimum 90 hp
1 -2 boat operators
2 -4 laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 6/19/2003 **Last Field Test:** 9/1/2004

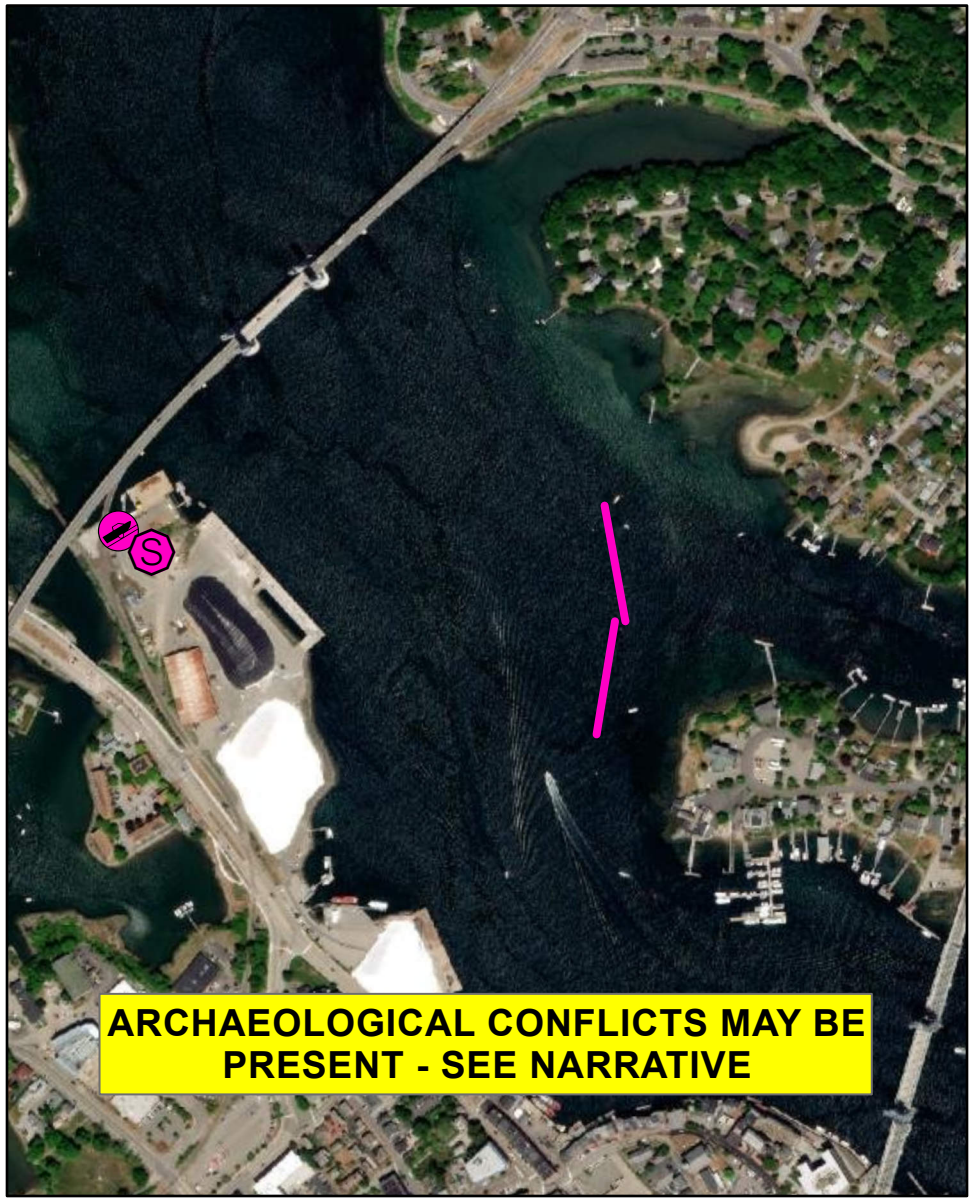
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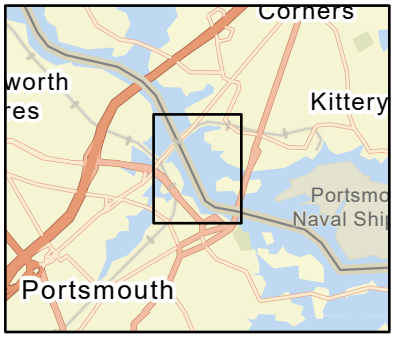
## Between Kittery and Badgers Island

## Kittery, ME

0 825 1,650 Feet

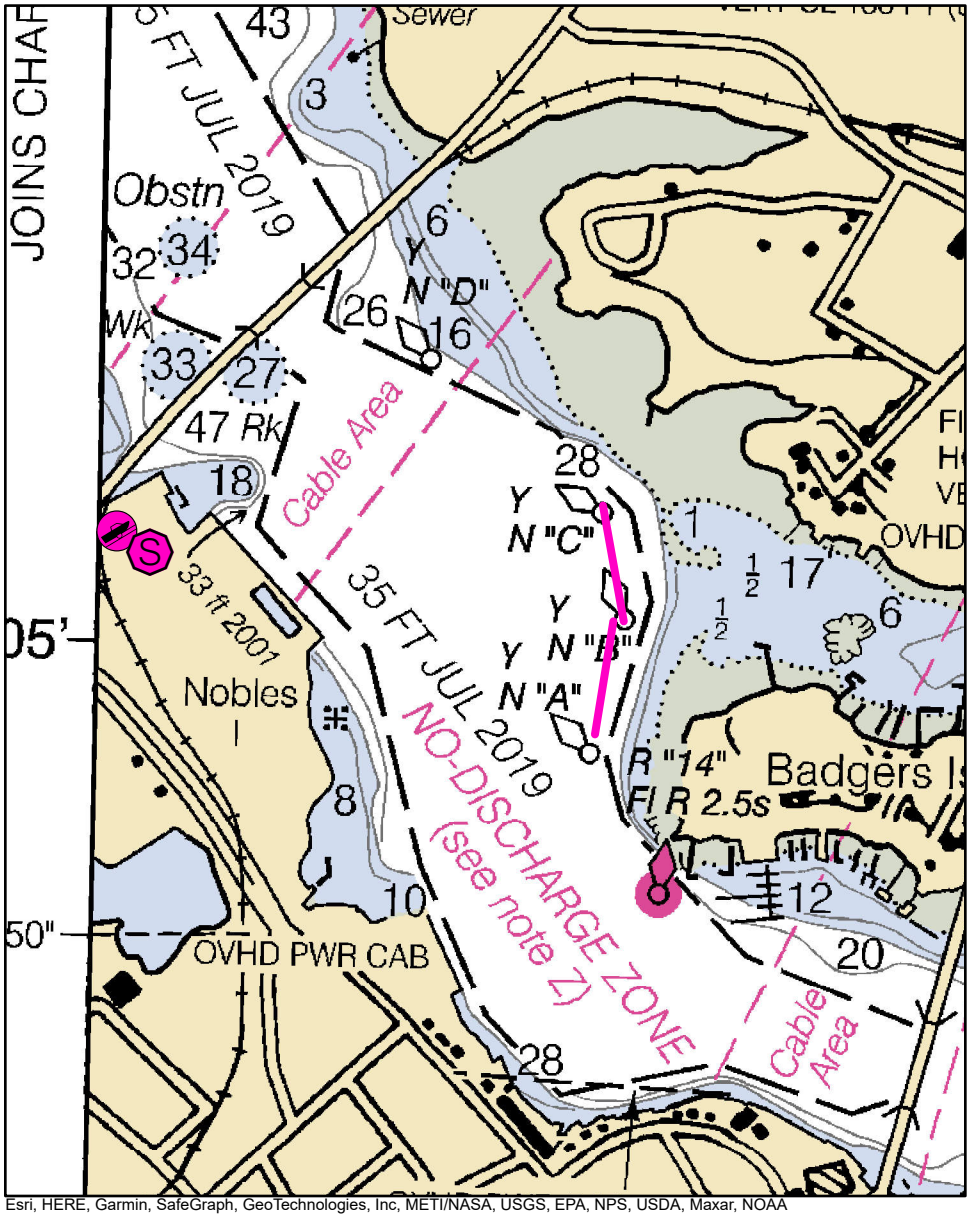
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




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# A-27-1 Between Kittery and Badgers Island

**Town** Kittery, ME
**Latitude** 43° 05.049 N **Longitude** 70° 45.377 W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb** 1.1
**Source** Local knowledge estimate

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13283_1
**ESI Map #** 54D
**EVI Map #** 2
**DeLorme Map # (2019)** 1 B3

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered tidal flats (9A)
**ESI Secondary Shoreline Type** Sheltered, solid man-made structures (8B)

**Environmental Concerns** Primary concern is to avoid need to clean up sheltered areas behind Badger's Island

**Archaeological Conflicts** ME: No conflict as designed. Deviations from design will require historical review. Contact NHDHR at (603)-271-3484 or MHPC at (207) 287-2132.

NH: Contact NHDHR at (603)-271-3484

## Strategy Information

**Strategy Purpose** To deflect oil from the channel between Badger's Island and Kittery mainland

**Staging Areas** Access at:
(1) Traip Academy boat launch, 12 Williams Ave., Kittery (limited parking)
(2) Kittery town boat launch, Pepperell Road, Kittery (not all tide)
(3) Pierce's Island boat launch, Portsmouth
(4) PNSY (with Navy permission / credentialing)

**Site Access** By water

**Nearest Boat Ramp** Same as staging areas

**Collection Points** N/A

**Special Instructions** Current measurements show that oil will tend to follow the main channel of the river on an ebb tide

**Work Assignment** Deploy 450' of boom adjacent to buoys "C" and "B", and 450' of boom adjacent to buoys "B" and "A" at the edge of the channel where water shallows

## Recommended Equipment / Resources

**Length of Boom (feet)** 2000
**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys.
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 2/15/2018 **Last Field Visit** 7/31/2003 **Last Field Test:** 10/5/2008

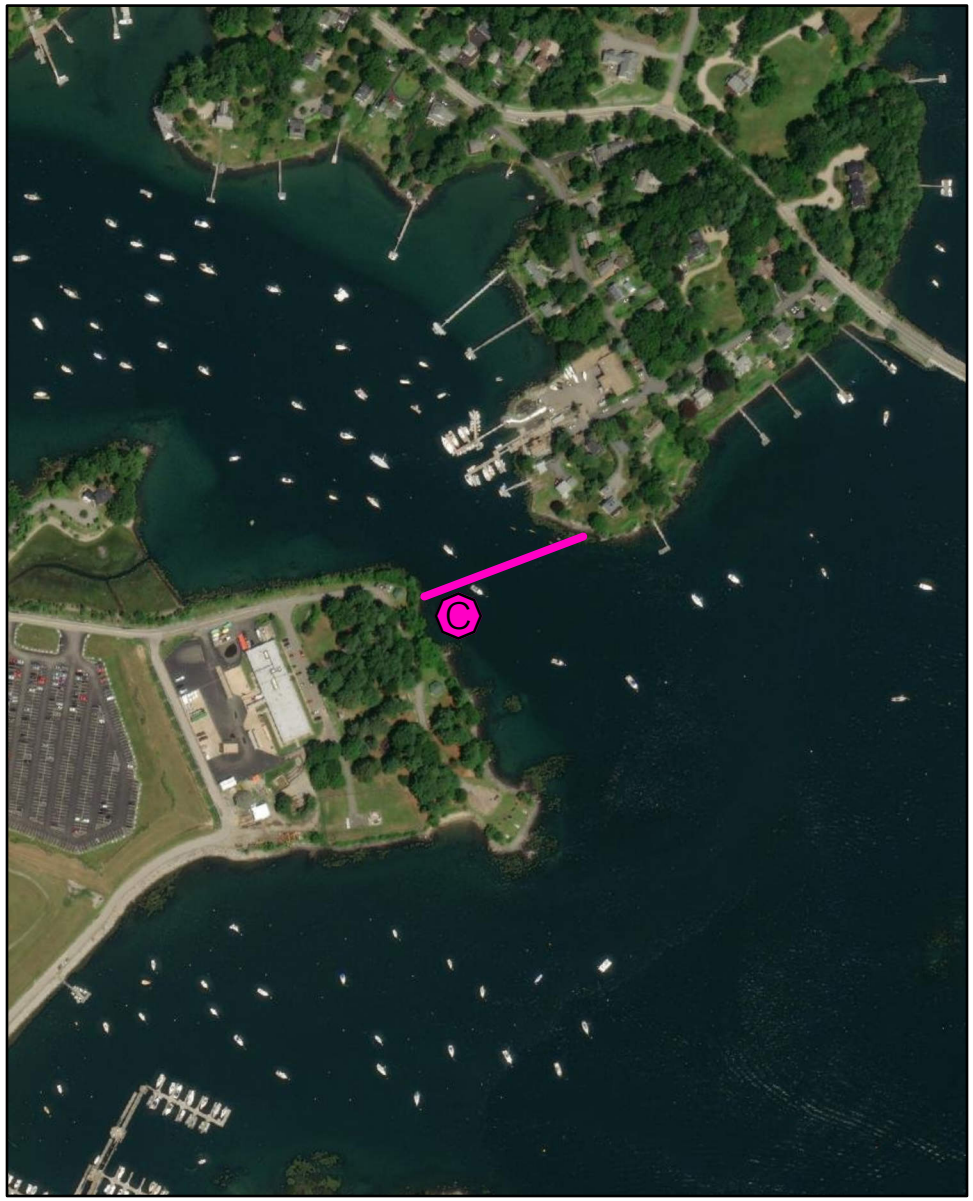
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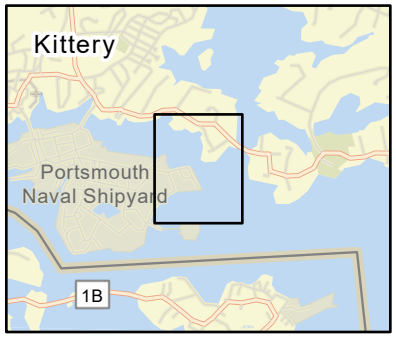
## Seavey Island Back Channel

## Kittery, ME

0 620 1,240 Feet

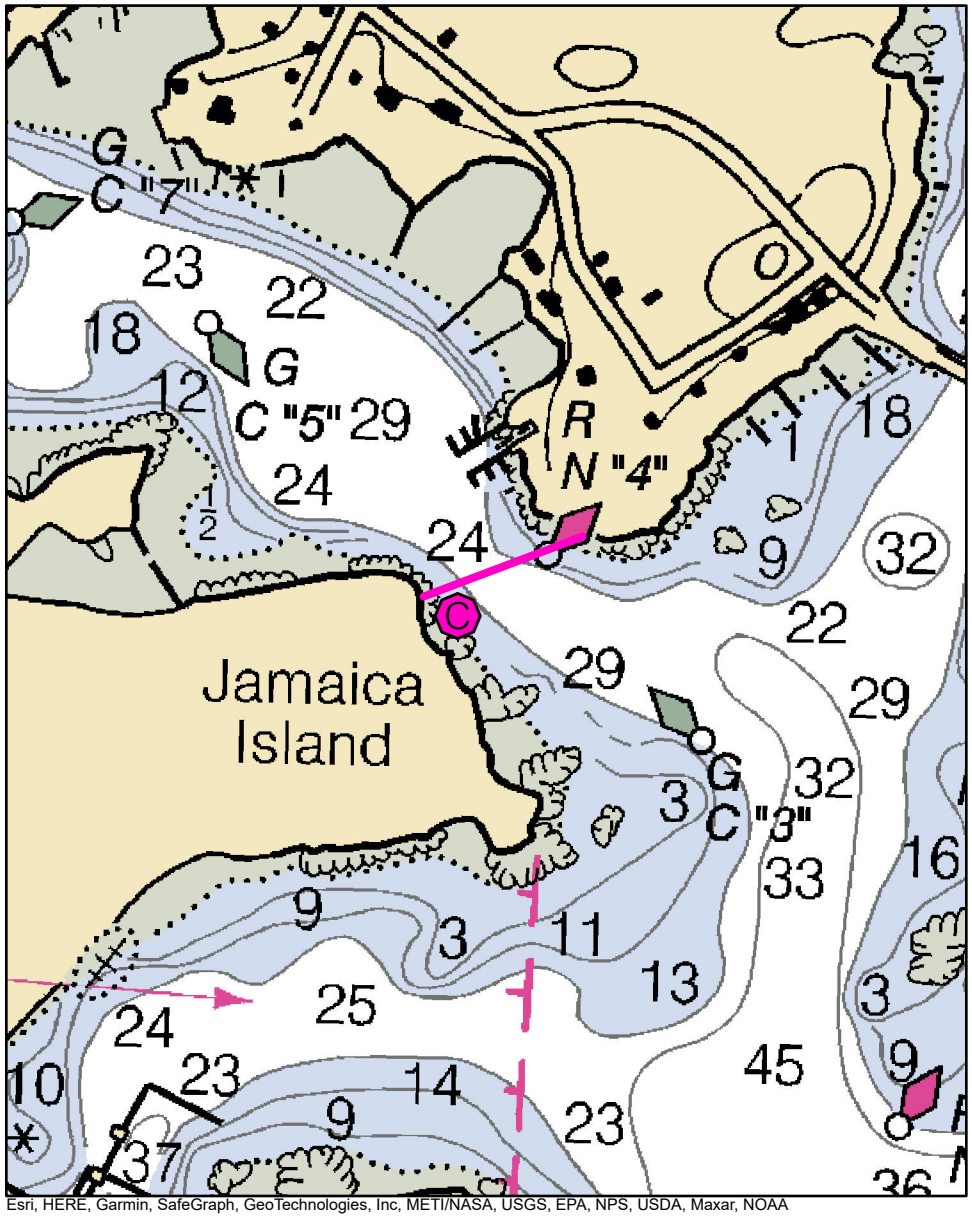
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




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# A-28-1 Seavey Island Back Channel

**Town** Kittery, ME
**Latitude** 43° 04.899 N **Longitude** 70° 43.395 W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13283_2
**ESI Map #** 54D
**EVI Map #** 2
**DeLorme Map # (2019)** 1 C4

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)
**ESI Secondary Shoreline Type** Mixed sand and gravel beaches (5)

**Environmental Concerns** Bald eagle nest, shorebirds, eelgrass, mudflats, restored wetland

**Archaeological Conflicts** ME: None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

NH: Contact NHDHR at (603)-271-3484

## Strategy Information

**Strategy Purpose** To prevent oil from entering Back Channel behind Seavey Island

**Staging Areas** Access at:
(1) Traip Academy boat launch, 12 Williams Ave., Kittery (limited parking)
(2) Kittery town boat launch, Pepperell Road, Kittery (not all tide)
(3) Pierce Island boat launch, Portsmouth
(4) PNSY (with Navy permission / credentialing)

**Site Access** By water and from Navy Yard Shore

**Nearest Boat Ramp** Same as staging areas

**Collection Points** Possible collection from Navy Yard shore

**Special Instructions**

**Work Assignment** Deploy 450' of boom from Jamaica Island (Navy Yard) to Kittery mainland shore

## Recommended Equipment / Resources

**Length of Boom (feet)** 450 **Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys OR
2 - shoreside connections.
1 - skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 2/15/2018 **Last Field Visit** 9/4/2003 **Last Field Test:** 10/5/2008

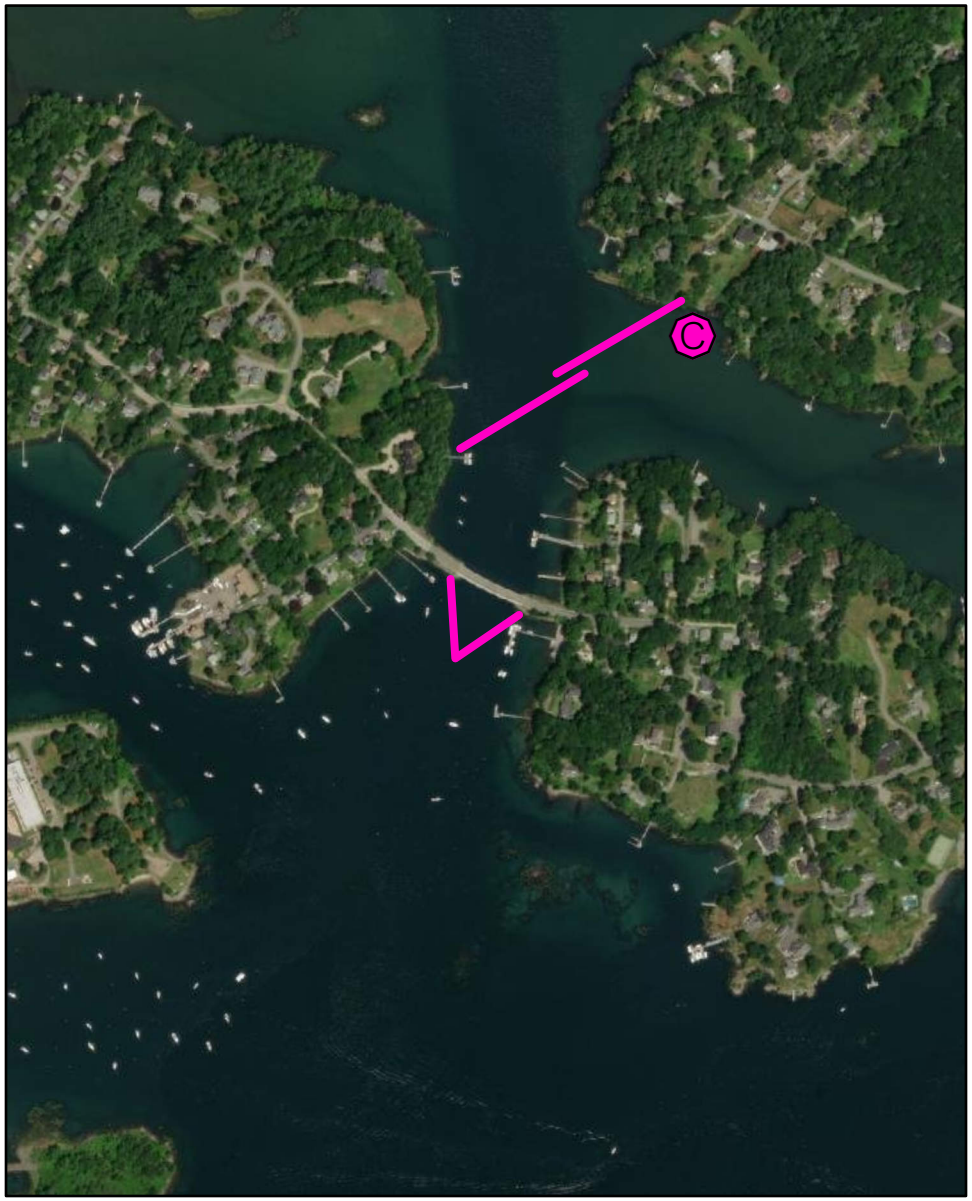
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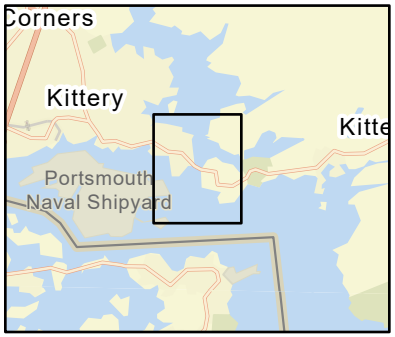
## Spruce Creek

## Kittery, ME

0 925 1,850 Feet

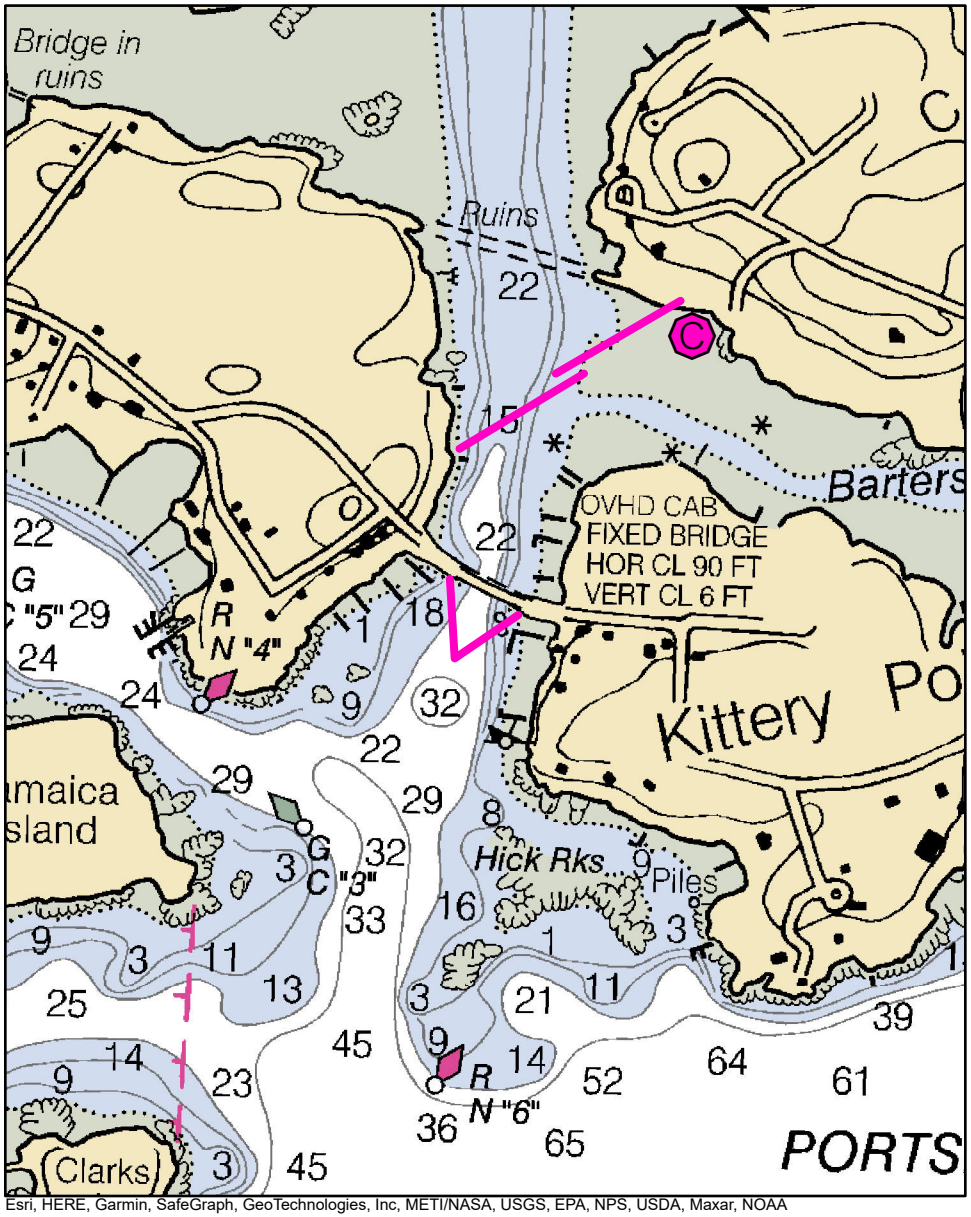
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-29-1 Spruce Creek

**Town** Kittery, ME
**Latitude** 43° 05.120 N **Longitude** 70° 43.056 W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** 0.80 **Ebb** 1.6
**Source** Measured

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13283_1
**ESI Map #** 54D
**EVI Map #** 2
**DeLorme Map # (2019)** 1 B4

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered tidal flats (9A)
**ESI Secondary Shoreline Type** Riprap (6B)

**Environmental Concerns** Extensive mudflats with shellfish and marine worm habitat. Vulnerable shorebird area. Elver run. American eel, horseshoe crabs

**Archaeological Conflicts** ME: None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

NH: Contact NHDHR at (603)-271-3484

## Strategy Information

**Strategy Purpose** Divert oil from reaching upper Spruce Creek

**Staging Areas** Access at:
(1) Traip Academy boat launch, 12 Williams Ave., Kittery (limited parking)
(2) Kittery town boat launch, Pepperell Road, Kittery (not all tide)
(3) Pierce Island boat launch, Portsmouth
(4) PNSY (with Navy permission / credentialing)

**Site Access** By boat for primary inner strategy or by Whipple Road (Route 103) for outer chevron.

**Nearest Boat Ramp** Same as staging

**Collection Points** North side of Barter's Creek at end of cascade if possible

**Special Instructions** Max current given is for inside Route 103 bridge. Current outside bridge is significantly faster.

**Work Assignment** Primary strategy is inside the bridge. Place a cascade of two 600 foot long lengths of boom across Spruce Creek to the north side of Barters Creek.
For secondary strategy, consider use of Current Buster or chevron in mid channel using two 300 foot lengths of boom as shown on map. This has succeeded under ideal conditions, but has also been tested without success several times.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1200 (primary), 600 (secondary)

**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**

For primary strategy:
2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys.
2 - shoreside connections.
1 - skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

For secondary strategy:
2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys. Use both anchors at apex of chevron.
2 - shoreside connections.
1 - 2 vacuum trucks or skimmers and storage
1 - workboats with minimum 90 hp
1 - boat operator, 2 laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 10/25/2018 **Last Field Visit** 9/4/2003 **Last Field Test:** 10/1/2014

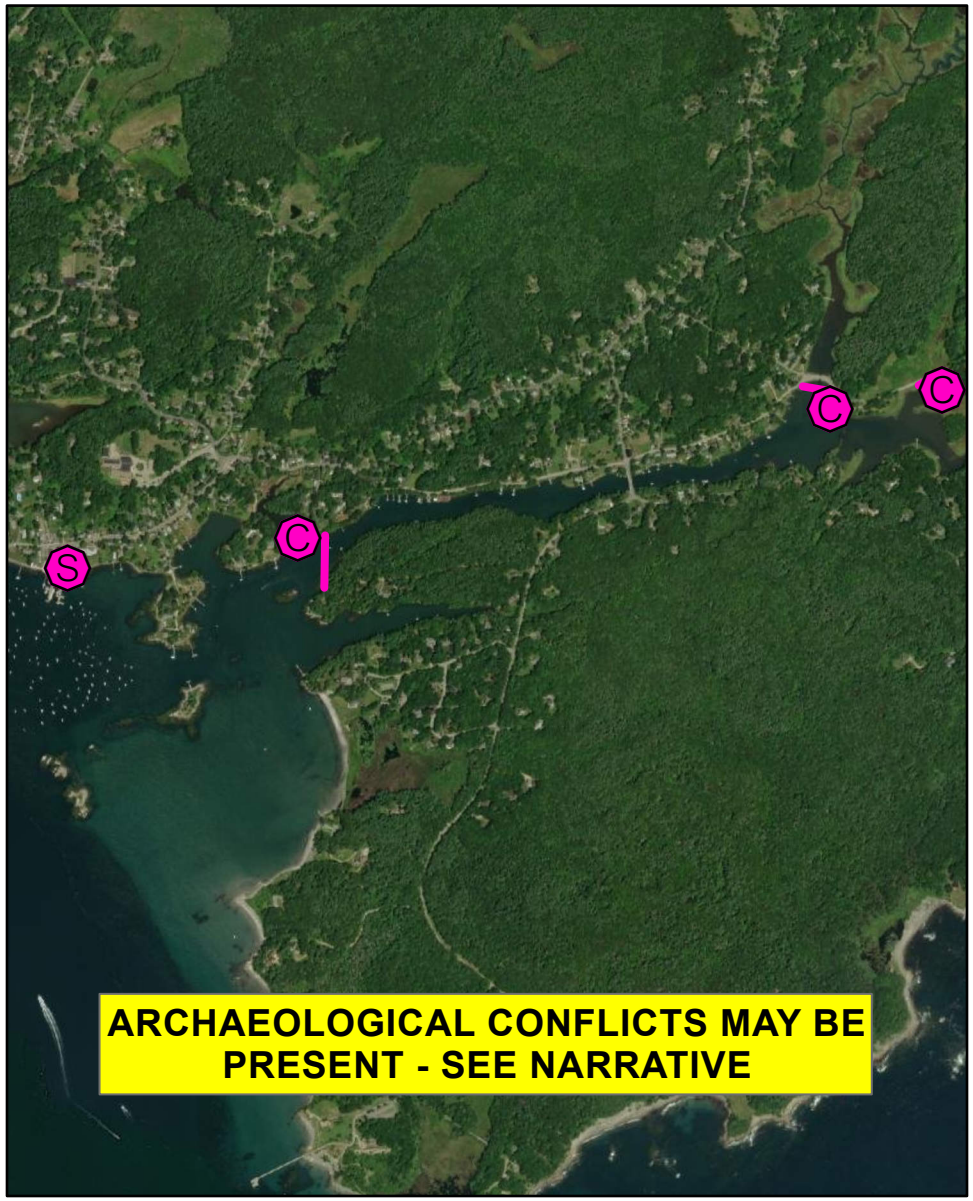
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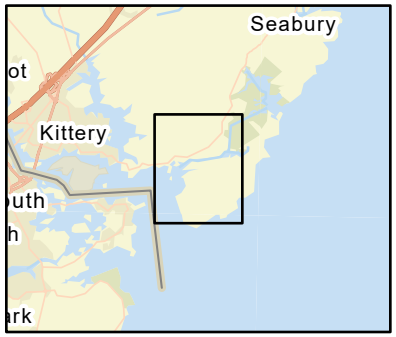
## Chauncey Creek Entrance

## Kittery, ME

0 2,000 4,000 Feet

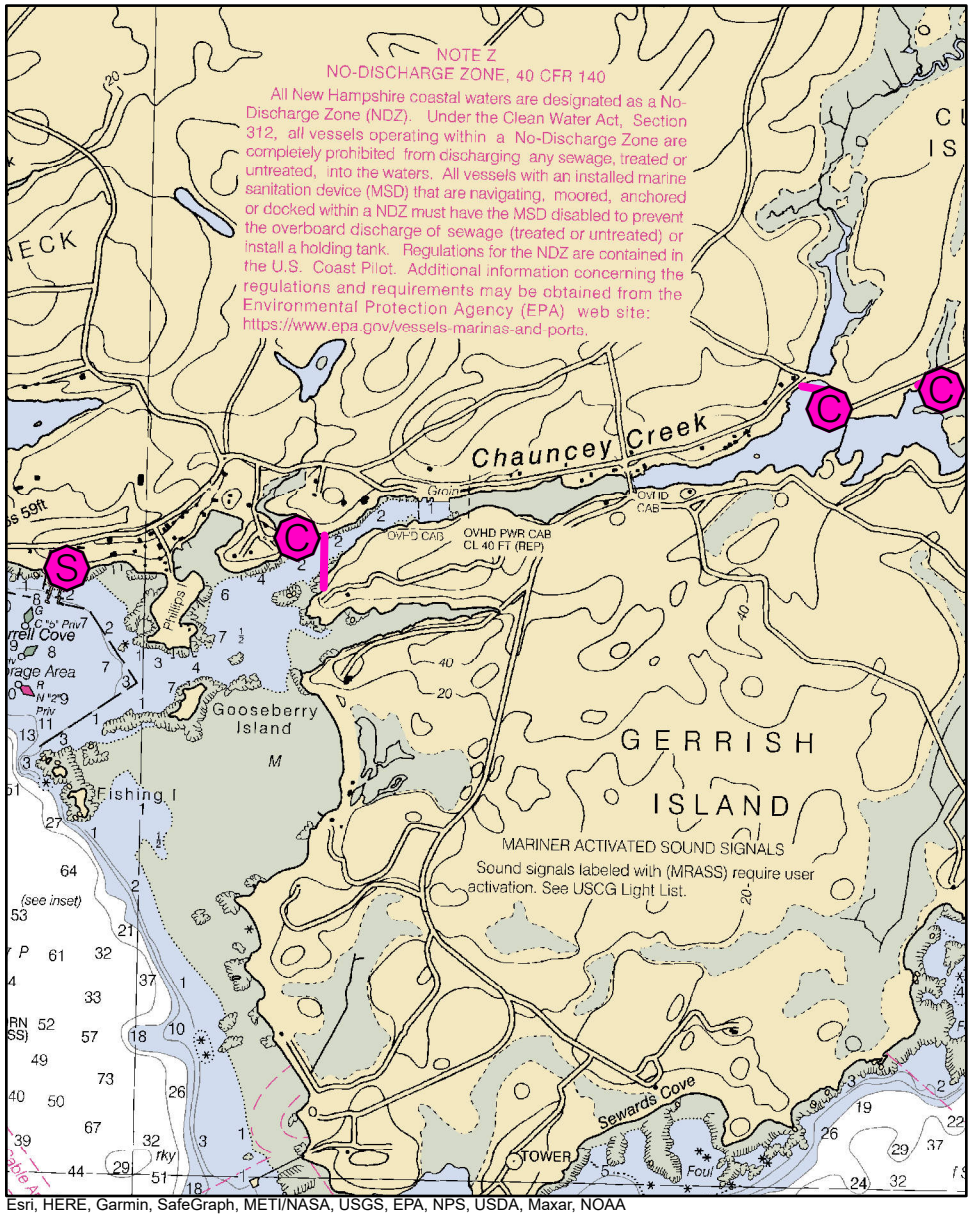
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-30-1 Chauncey Creek Entrance

**Town** Kittery, ME

**Latitude** 43 04.946 N **Longitude** 70° 41.673 W

**Approx. Tidal Range (feet)** 9

**Max Current (knots)** **Flood** **Ebb**

**Source**

**Port Region** New Hampshire and Southern Maine

**NOAA Chart #** 13283_1

**ESI Map #** 54C, 54D, 56A

**EVI Map #** 3

**DeLorme Map # (2019)** 1 C4

## Resources At Risk

**ESI Primary Shoreline Type** Exposed tidal flats (7)

**ESI Secondary Shoreline Type** Exposed rocky shores (1A)

**Environmental Concerns** Mudflats and marshes, saltmarsh sparrow, rare turtles and amphibians, connection to Rachel Carson National Wildlife Refuge.

**Archaeological Conflicts** Avoid old breastworks in Chauncey Creek east of Chauncey Creek/Cutts Island Road collection point. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To exclude oil from Chauncey Creek and Rachel Carson National Wildlife Refuge.

**Staging Areas**
(1) Traip Academy boat launch, 12 Williams Ave., Kittery (limited parking)
(2) Kittery town boat launch, Pepperell Road, Kittery (not all tide)
(3) Pierce's Island boat launch, Portsmouth
(4) PNSY (with Navy permission / credentialing)

**Site Access** By boat for mouth of Chauncey Creek. Via Chauncey Creek Road for upstream culverts.

Nearest address for upstream areas: 5 Seapoint Road, Kittery, ME

**Nearest Boat Ramp** Same as staging areas

**Collection Points** At creek mouth if possible. Upstream at road crossings.

**Special Instructions** Boat traffic and mooring in Kittery could make boom deployment challenging. There is a walk-in ramp along Chauncey Creek road east of the Chauncey Creek/Cutts Island Lane intersection which could be used for canoes or kayaks. Traffic control needed for upstream deployments and collection points.

**Work Assignment** Primary: Place 500 feet of boom across mouth of Chauncey Creek.

Secondaries: (1) Place 300 feet of harbor boom across creek downstream of culvert at Chauncey Creek Rd / Cutts Island Lane. (2) Place boom or plywood across second smaller culvert at Seapoint Road.

## Recommended Equipment / Resources

**Length of Boom (feet)** 500 (primary), 300 (secondaries)

**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**

For primary strategy:
2 - shoreside connections.
1 - skimmer and storage
1 - workboats with minimum 90 hp
1 - boat operators
2 - laborers

Seapoint Road:
2 - shoreside connections
1 - vehicle with boom
2 - laborers

Cutts Island Lane:
2 - shoreside connections.
1 - 2 vacuum trucks or skimmers and storage
1 - workboats with minimum 90 hp
1 - boat operators
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 10/25/2018 **Last Field Visit** 6/9/2022 **Last Field Test:**

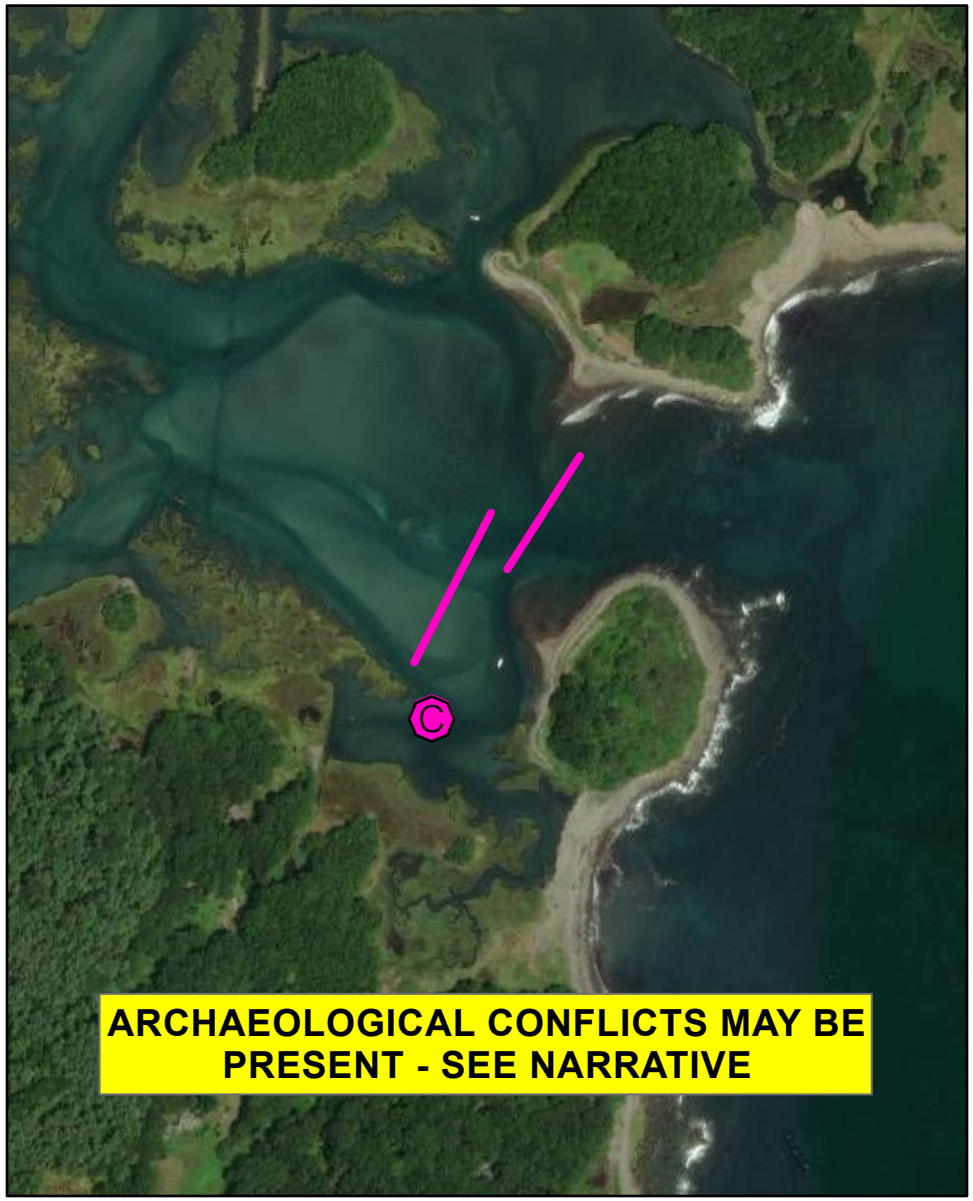
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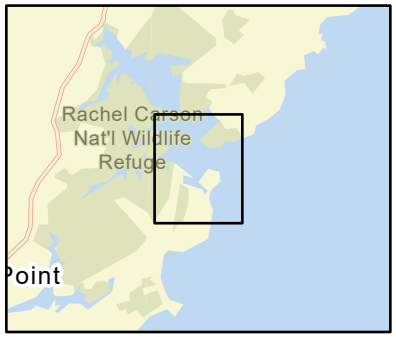
## Brave Boat Harbor

## Kittery / York, ME

0 725 1,450 Feet

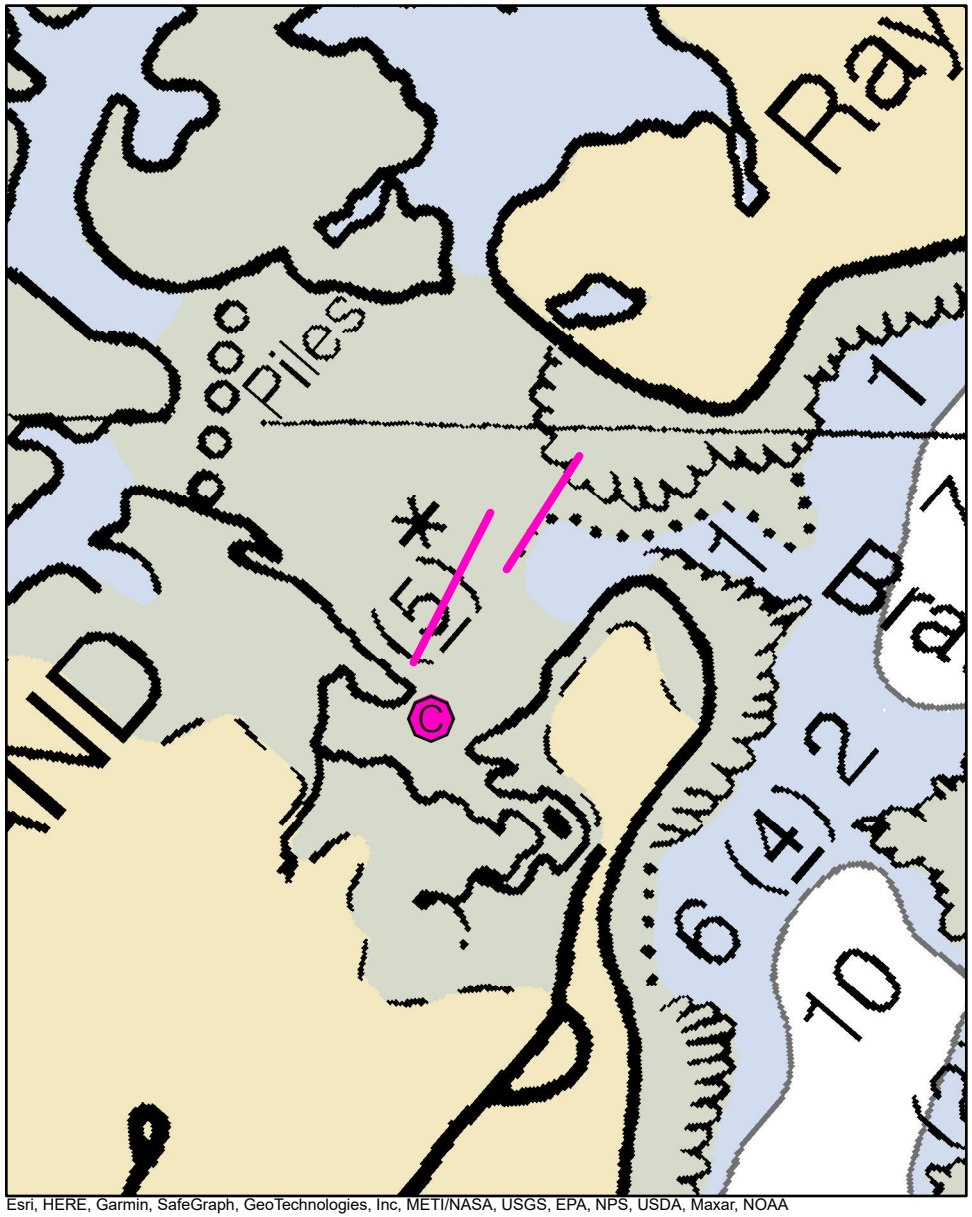
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-31-1 Brave Boat Harbor

**Town** Kittery / York, ME
**Latitude** 43° 05.911 N **Longitude** 70° 39.161 W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13283_1
**ESI Map #** 54C
**EVI Map #** 3
**DeLorme Map # (2019)** 1 B5

## Resources At Risk

**ESI Primary Shoreline Type** Salt to brackish marshes (10A)
**ESI Secondary Shoreline Type** Sheltered tidal flats (7)

**Environmental Concerns** Site is located in and immediately adjacent to Rachel Carson National Wildlife Refuge. Contact the U.S. Fish & Wildlife Service in Wells (207) 646-9226 if deploying. Harbor has extensive marshes and mudflats and is a moderately vulnerable shorebird area. Elver run.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** Divert oil to shore for collection near Old Cart Path Road.

**Staging Areas**
(1) York Harbor
(2) Traip Academy boat launch, 12 Williams Ave., Kittery (limited parking)
(3) Kittery town boat launch, Pepperell Road, Kittery (not all tide)
(4) Pierce's Island boat launch, Portsmouth
(5) PNSY (with Navy permission / credentialing)

**Site Access** By Boat or on foot from Old Cart Path Road, Kittery

**Nearest Boat Ramp** Same as staging areas

**Collection Points** From Old Cart Path Road, Kittery

**Special Instructions** Difficult access

**Work Assignment** Place one 400' section of boom and one 500' section of boom in a cascade configuration from Raynes Neck to Cutts Island as shown

## Recommended Equipment / Resources

**Length of Boom (feet)** 900 **Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
1 - anchor system with 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line
2 - shoreside connections
1 - workboats (towboats) with minimum 90 hp
1 - boat operators
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 10/25/2018 **Last Field Visit** 10/1/2004 **Last Field Test:**

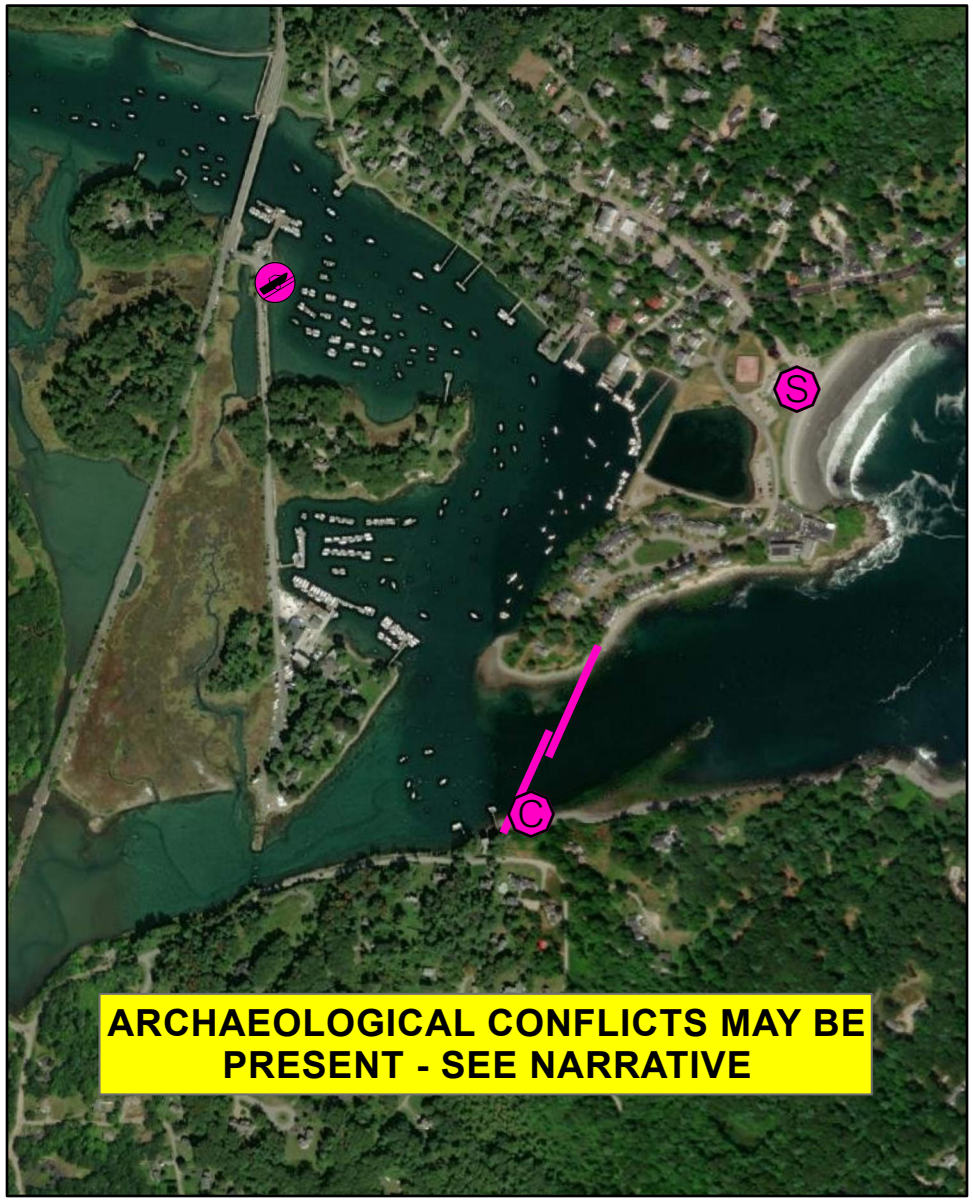
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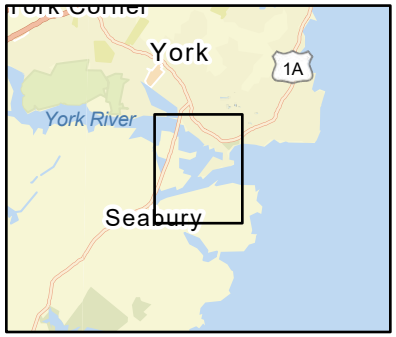
## York Harbor / River

## York, ME

0 1,000 2,000 Feet

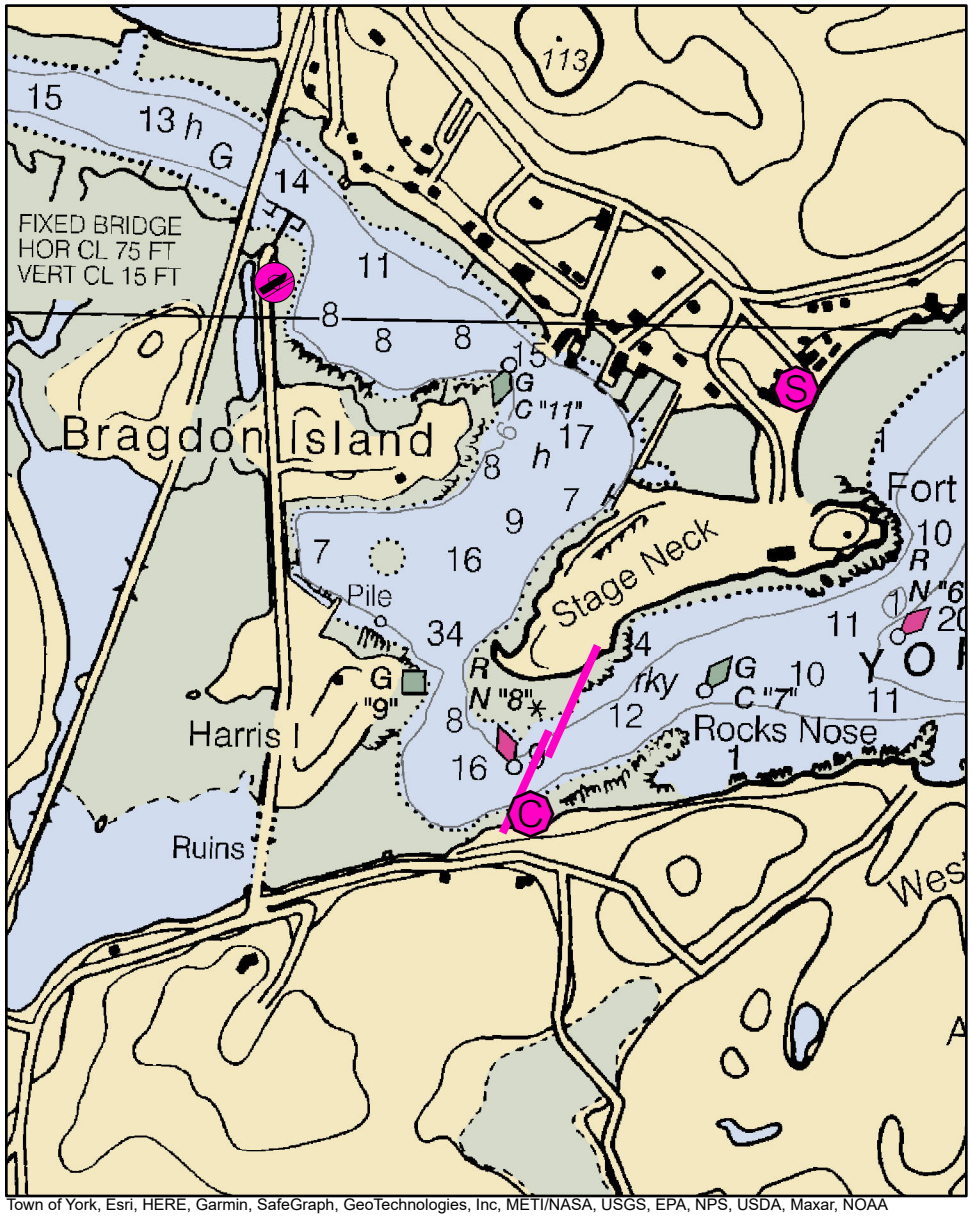
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Town of York, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-32-1 York Harbor/River

**Town** York, ME
**Latitude** 43° 07.705 N **Longitude** 70° 38.595 W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13283_1
**ESI Map #** 54C
**EVI Map #** 3
**DeLorme Map # (2019)** 1 B5

## Resources At Risk

**ESI Primary Shoreline Type** Mixed sand and gravel beaches (5)
**ESI Secondary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)

**Environmental Concerns** Harbor is shorebird and shellfish habitat area. Harlequin duck wintering area (Maine threatened species, federal species of special concern) at harbor mouth. Diadromous fish runs

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert oil from inner harbor

**Staging Areas** York Harbor Beach parking lot
York River Marine Service 207-363-3602

**Site Access** York Harbor Beach parking lot (Harbor Beach Road) and Western Point Road (Nearest address: 108 Western Point Road)

**Nearest Boat Ramp** York Harbor Marine or Agamenticus Yacht Club

**Collection Points** Western Point Road, York

**Special Instructions** Current in area of boom should be measured. Consider secondary strategies between Harris Island and Stage Neck, and / or between Harris Island and Western Point Road

**Work Assignment** Cascade two 500 foot lengths of boom across the York River from Stage Neck to Western Point Road.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1000 **Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
1 - workboats with minimum 90 hp
1 - boat operators
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 10/25/2018 **Last Field Visit** 9/22/2005 **Last Field Test:**

# A-33-1

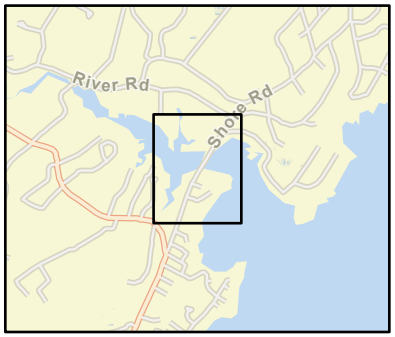
## Cape Neddick Harbor

## York, ME

0 410 820 Feet

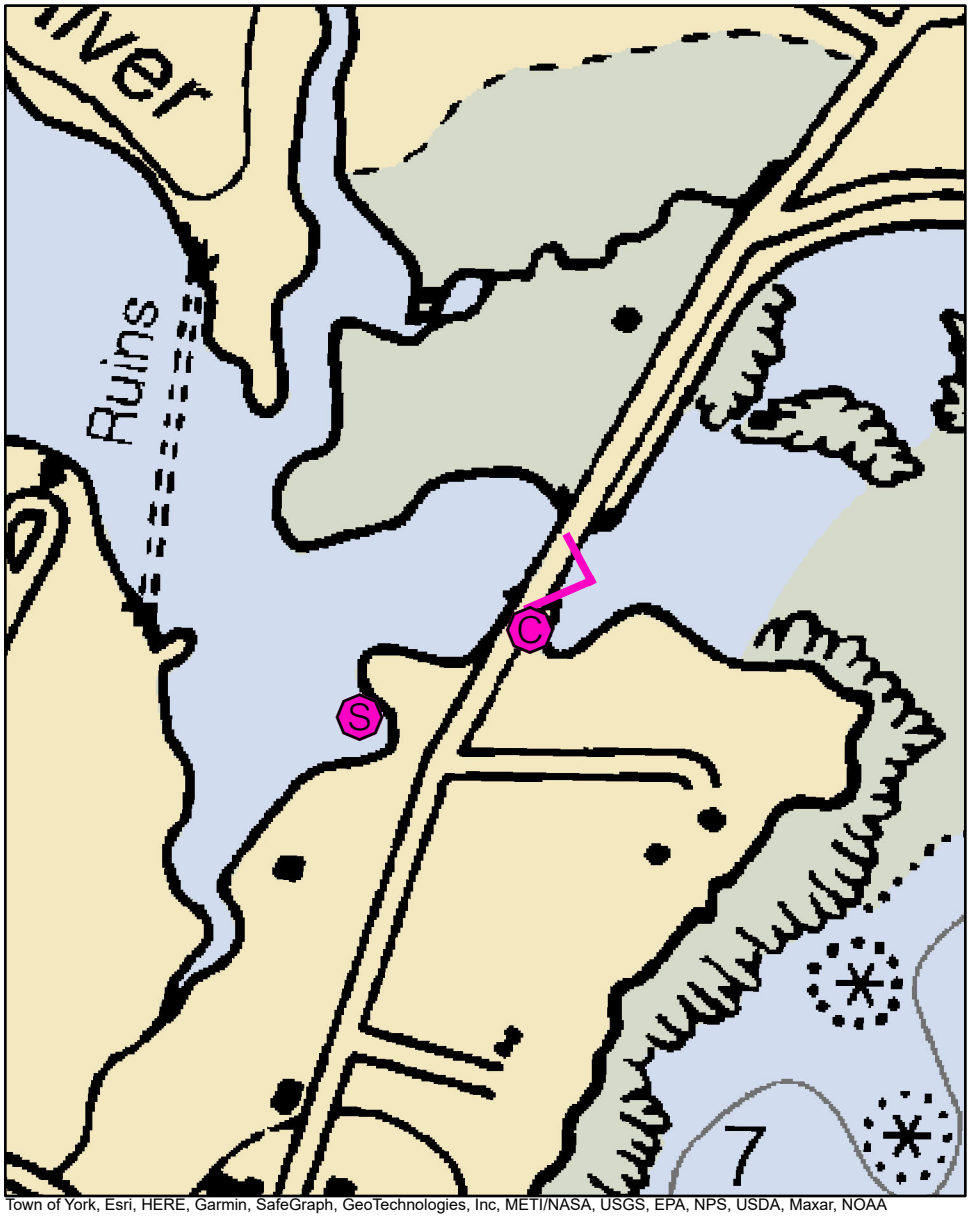
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Town of York, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-33-1 Cape Neddick Harbor/River

**Town** York, ME
**Latitude** 43° 11.327 N **Longitude** 70° 36.249 W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13283_3
**ESI Map #** 54A
**EVI Map #** 6
**DeLorme Map # (2019)** 1 A5

## Resources At Risk

**ESI Primary Shoreline Type** Exposed tidal flats (7)
**ESI Secondary Shoreline Type** Coarse grained sand beach (4)

**Environmental Concerns** Shorebird and shellfish area (closed to harvest). Elver and diadromous fish runs in river.

**Archaeological Conflicts** Staging and launch are part of area of concern; minimize surface disturbance outside of developed areas as much as possible. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert oil from Cape Neddick River

**Staging Areas** Restaurant / lobster pound on west side of bridge or directly off Shore Road - lots of space for vehicles if restaurant isn't open; potentially along access road to Cape Neddick Oceanside Campground

**Site Access** Shore Road, York

Nearest address: 60 Shore Road, York

**Nearest Boat Ramp** Small ramp at restaurant on west side of bridge is high tide ramp; shallow water would preclude large boat deployment at low tide; natural shore in cove on east side of bridge could to be used for carry in boats.

**Collection Points** Beach adjacent to bridge on north side; cove in Cape Neddick Oceanside Campground on south

**Special Instructions** Lobster pound in river

**Work Assignment** Deploy 250 foot of boom in a chevron configuration across river at Shore Road

## Recommended Equipment / Resources

**Length of Boom (feet)** 250
**Type of Boom** 12: - 18" containment boom

**Recommended Equipment (Minimum)**
1 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
1 - workboats with minimum 90 hp
1 - boat operators
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 10/25/2018 **Last Field Visit** 6/9/2022 **Last Field Test:**

# A-34-1

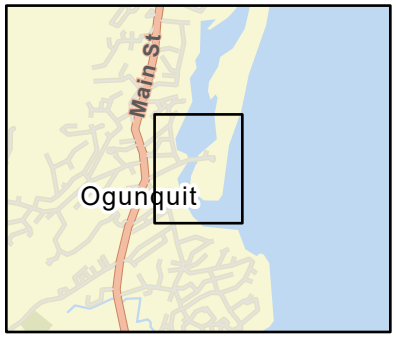
## Ogunquit River

## Ogunquit, ME

0 520 1,040 Feet

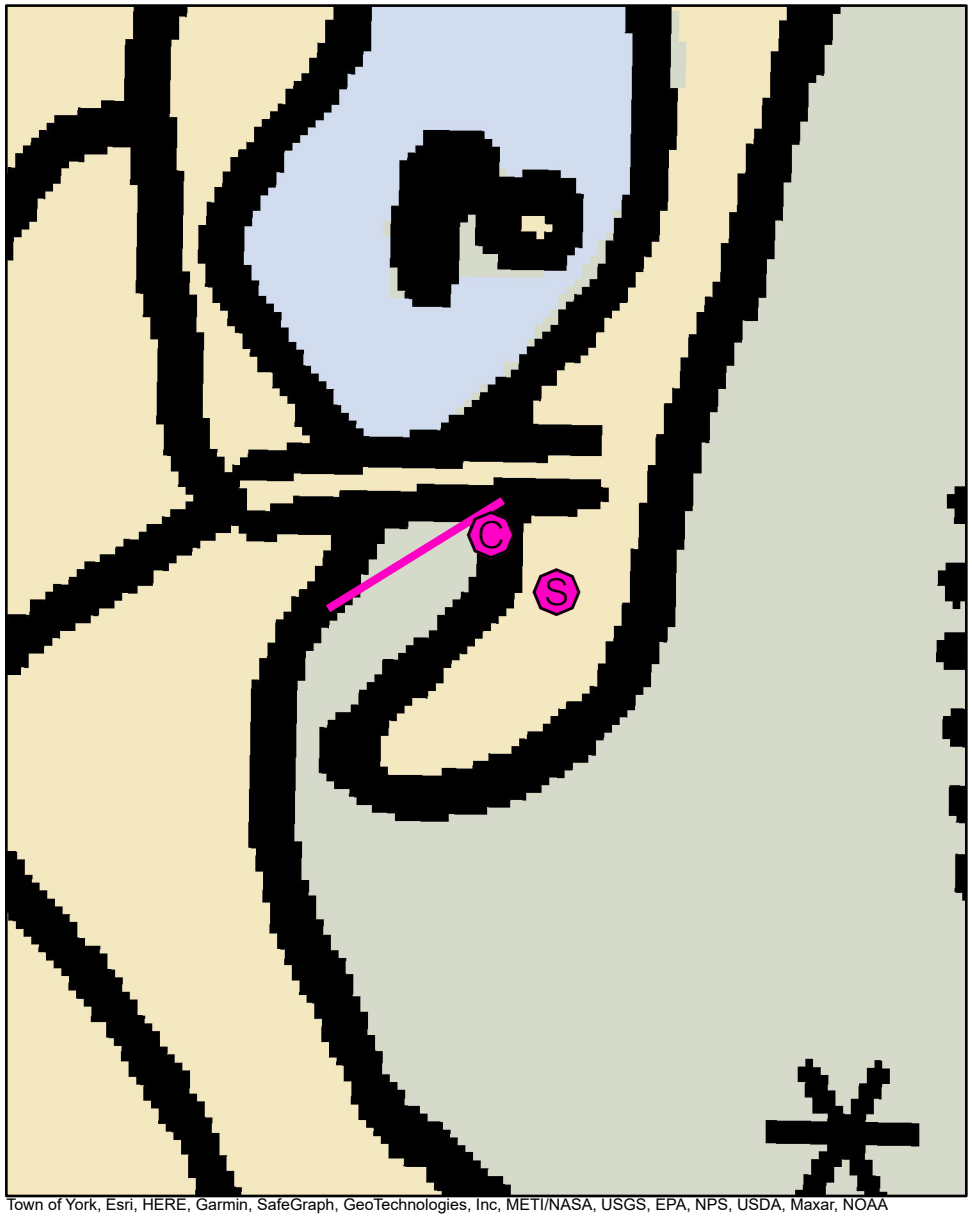
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Town of York, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-34-1 Ogunquit River

**Town** Ogunquit, ME
**Latitude** 43° 14.975 N **Longitude** 70° 35.709 W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** 2.1 **Ebb** 1.9
**Source** Fitzgerald, et al 1989

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13286_1
**ESI Map #** 54A
**EVI Map #** 6
**DeLorme Map # (2019)** 2 E5

## Resources At Risk

**ESI Primary Shoreline Type** Coarse-grained sand beaches (4)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Maine Endangered and federal Threatened Species: Piping Plover. Contact Maine Department of Inland Fisheries & Wildlife at 877-645-2473 prior to deployment during spring and summer seasons. Harlequin duck (Maine Threatened Species) wintering area south and west of river mouth. Shorebird habitat. Diadromous fish run in river.

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To divert oil from Ogunquit River

**Staging Areas** Beach parking lot on east side of bridge (roughly 300 car lot)

**Site Access** 124 Beach Street, Ogunquit

**Nearest Boat Ramp** Wells Harbor or York Harbor

**Collection Points** Northwest corner of parking lot

**Special Instructions** If nesting season for piping plover (spring/summer), contact Maine Department of Inland Fisheries & Wildlife at 877-645-2473 before proceeding with booming. Birds nest on sand spits.

**Work Assignment** Place 450 feet of boom across Ogunquit River as shown

## Recommended Equipment / Resources

**Length of Boom (feet)** 450
**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
2 - shoreside connections
1 - vacuum truck or skimmer and storage
1 - workboat
1 - boat operator
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 10/25/2018 **Last Field Visit** 9/22/2006 **Last Field Test:**

# A-35-1

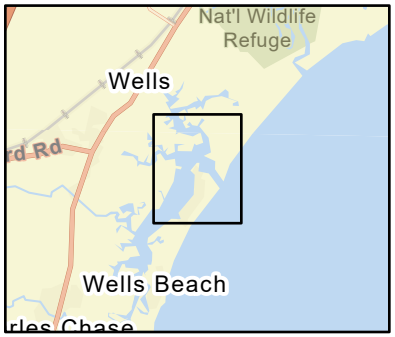
## Wells Harbor and Webhannet River

## Wells, ME

0 1,000 2,000 Feet

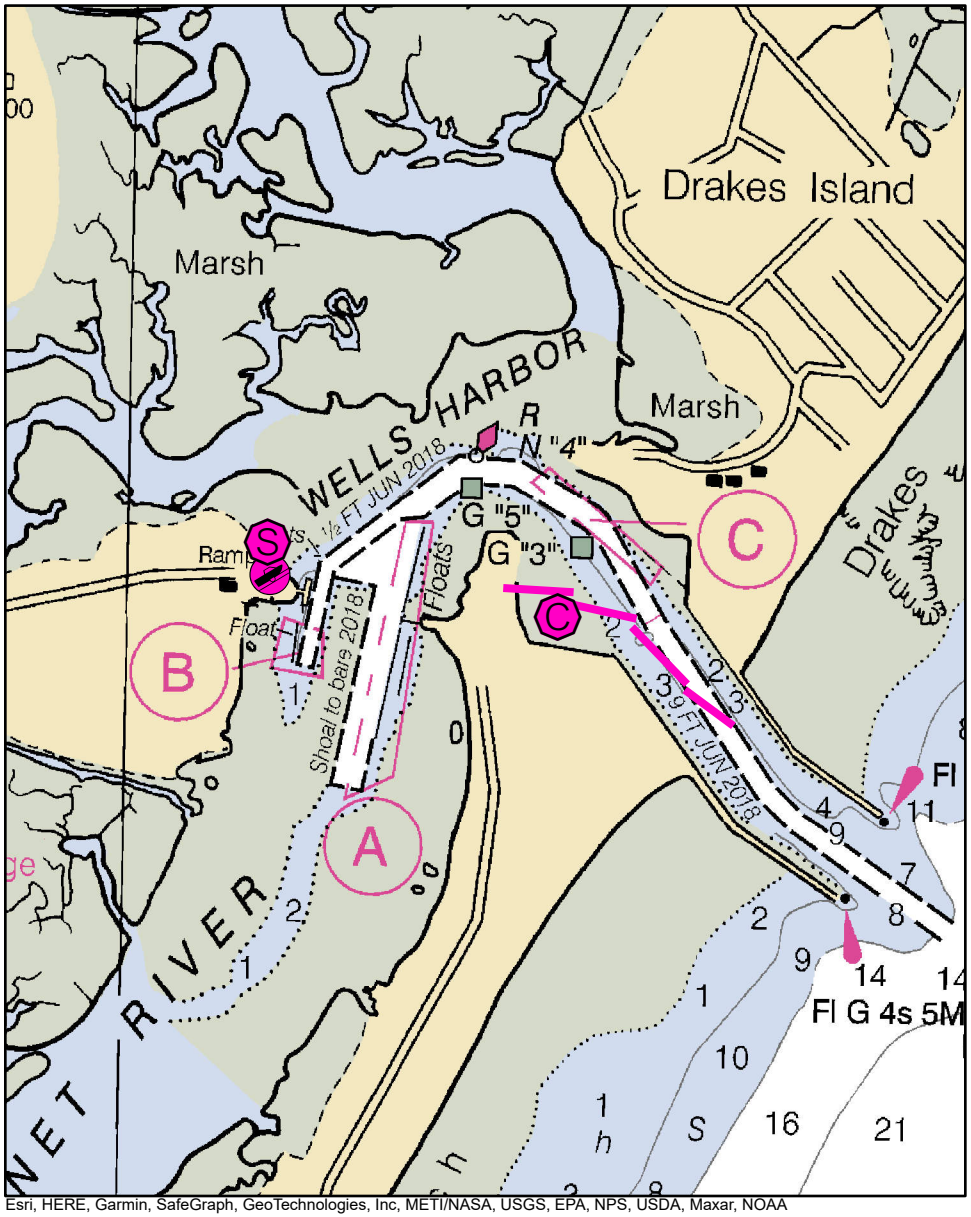
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-35-1 Wells Harbor and Webhannet River

**Town** Wells, ME
**Latitude** 43° 19.174 N **Longitude** 70° 33.431 W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** 2.2 **Ebb**
**Source** Measured

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13286_5
**ESI Map #** 53B
**EVI Map #** 7
**DeLorme Map # (2019)** 3 E1

## Resources At Risk

**ESI Primary Shoreline Type** Coarse-grained sand beaches (4)
**ESI Secondary Shoreline Type** Salt- and brackish-water marshes (10A)

**Environmental Concerns** Extensive marshes and mudflats. Sand beach. Shorebird area. Elver runs. Harlequin duck wintering area (state threatened species, federal species of special concern) at southern end. Piping plover/least tern (state endangered species) essential habitat to north. Contact Maine Department of Inland Fisheries and Wildlife and U.S. Fish and Wildlife. Marsh is high priority area. Limited purpose aquaculture in harbor.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert oil from Webhannet River

**Staging Areas** Wells Harbor boat launch / Atlantic Avenue parking area

**Site Access** Atlantic Avenue parking area

Nearest address: 506 Atlantic Ave

**Nearest Boat Ramp** Wells Harbor Boat Launch. Tide limited. Webhannet River Boat Yard in harbor has boat lift. Next closest is York Harbor, 15 miles to the south.

**Collection Points** Town parking lot at end of Atlantic Avenue. Consider also deploying a skimmer from floats at Webhannet River Boat Yard. Oil escaping this strategy will likely go by the floats.

**Special Instructions** This channel receives maintenance dredging, so can be variable. Tricky at low water.

**Work Assignment** Place three 300 foot lengths of boom from collection area out into channel to divert oil to parking lot. Use an additional 200 foot length furthest into channel. Incoming flow tends to follow western side of channel. With limited resources, set legs closest to collection area first. Use two 22# anchors at ends of each length of boom.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1100
**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
7 - anchor systems: 22 lb. Fortress or equivalent and line for 3:1 scope plus tag line with buoy.
1 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 10/25/2018 **Last Field Visit** 10/18/2012 **Last Field Test:** 10/18/2012

# A-36-1

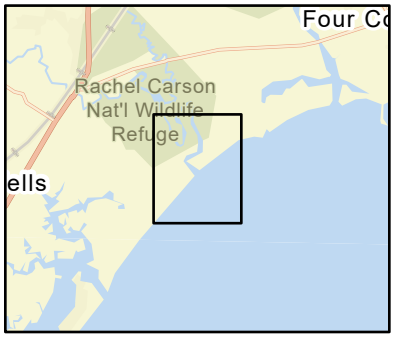
## Little River, Wells

## Wells / Kennebunk, ME

0 1,000 2,000 Feet

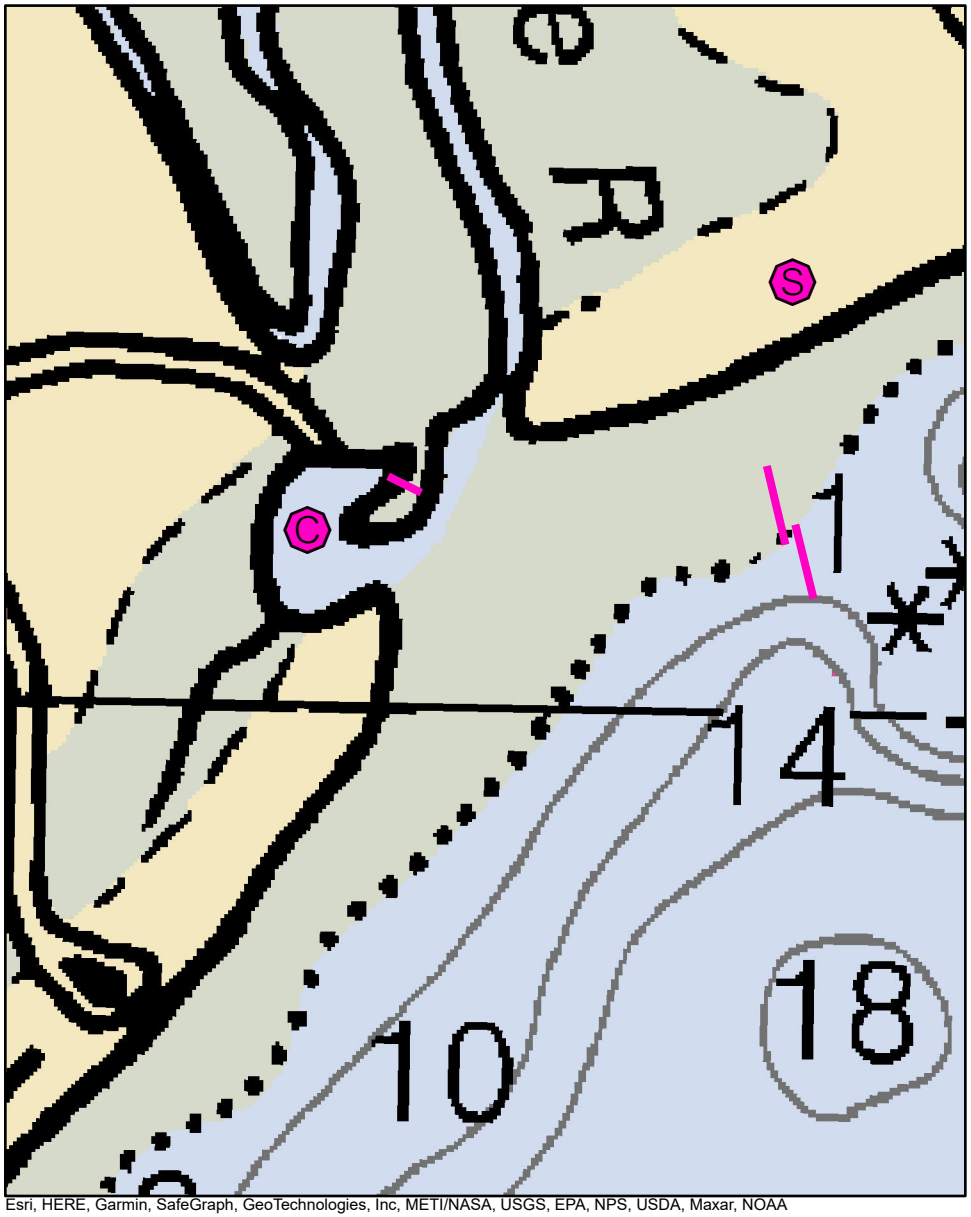
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-36-1 Little River, Wells

**Town** Wells / Kennebunk, ME
**Latitude** 43° 20.117 N **Longitude** 70° 32.377 W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** 1.6 **Ebb** 1.5
**Source** Fitzgerald, et al 1989

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13286_1
**ESI Map #** 53B
**EVI Map #** 8,7
**DeLorme Map # (2019)** 3 D1

## Resources At Risk

**ESI Primary Shoreline Type** Coarse-grained sand beaches (4)
**ESI Secondary Shoreline Type** Exposed tidal flats (7)

**Environmental Concerns** Maine Endangered Species: Piping Plover and Least Tern nesting areas. Federal Threatened Species (Piping Plover). Property is owned by Laudholm Farm National Estuarine Research Reserve. Contact Maine Department of Inland Fisheries and Wildlife and US Fish and Wildlife Service prior to deployment during spring and summer seasons. Extensive salt marsh fed by Little River.

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To deflect and divert oil from Little River.

**Staging Areas** Wells Harbor / Laudholm Farm / Private road extending from Parsons Beach Road/Brown St. in Kennebunk

**Site Access** SW side: Route 95 Exit 19. Route 9/1 North to (1) Laudholm Farm Rd. (SW side),or (2) Private road across from intersection of Route 9 and Parsons Beach Road/Brown St.(NE side).

**Nearest Boat Ramp** ~ 1.0 mile: Wells Town Dock, Lower Landing Road
Also small boat ramp on Route 9, southwest side of Mousam River: 4' at low water, 5' clearance under bridge

**Collection Points** See GRP. Collect from inside of diversion boom and just inside Little River inlet.

**Special Instructions** River is located on Laudholm Farm National Estuarine Research Reserve property: (207)646-1555. Difficult access. Note environmental concerns.

**Work Assignment** Inlet location has changed from what is shown on NOAA chart. There is no direct access to the water except by boat. Both sides about 300' overland from nearest road. Site is exposed at low tide.

Deploy two 300' lengths of diversion boom from private road extending from the end of Brown St. in Kennebunk.
Deploy 150' exclusion boom from the end of Laudholm Farm Rd. in Wells (southwest side).
In extreme emergency, sand could be bulldozed from below high tide line to close inlet with underflow dam.

## Recommended Equipment / Resources

**Length of Boom (feet)** 750 **Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
4 - anchor sets (22 lb. Fortress or equivalent) and line for 3:1 scope
2 - shoreside connections
1 - workboat
1 - boat operator
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 11/1/2018 **Last Field Visit** **Last Field Test:**

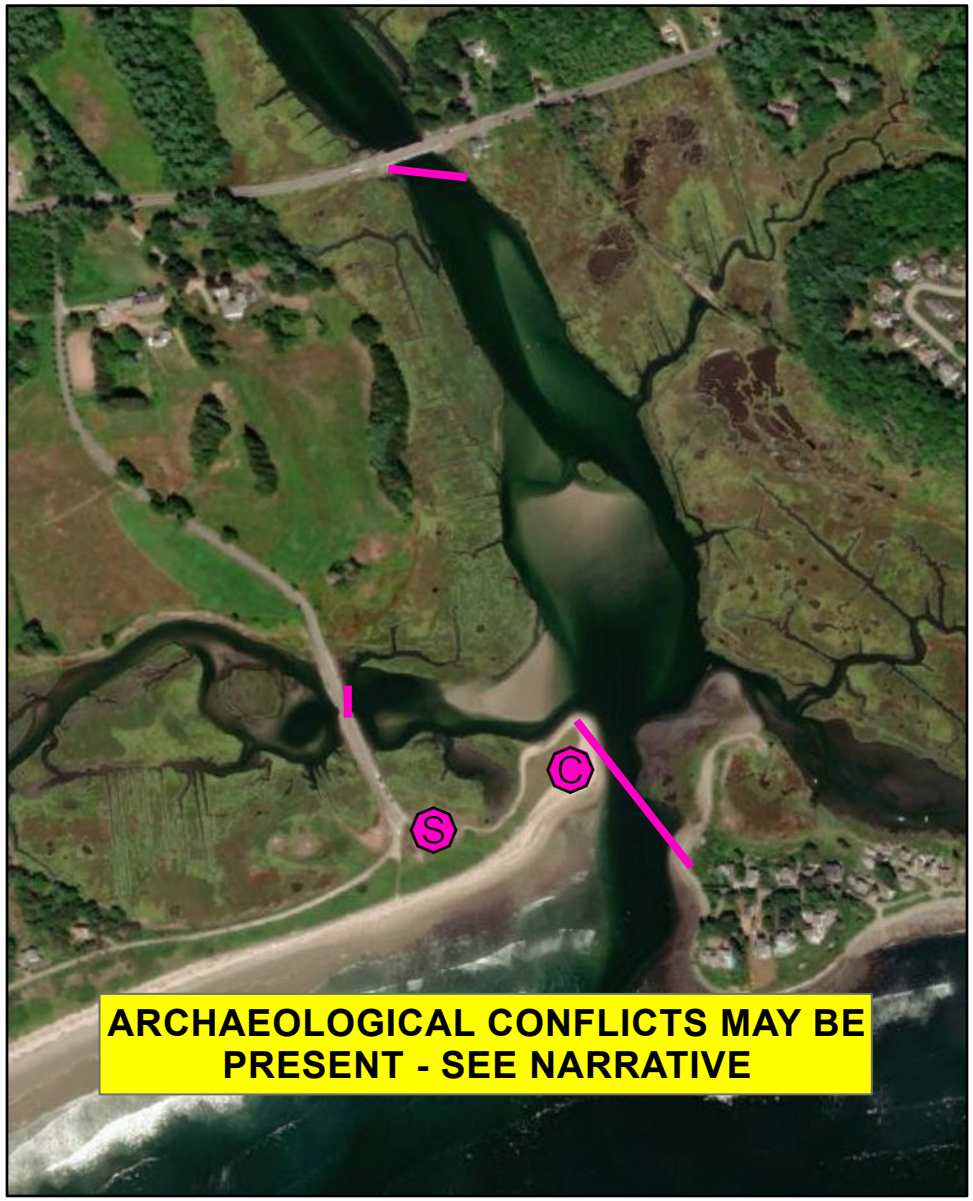
# A-37-1

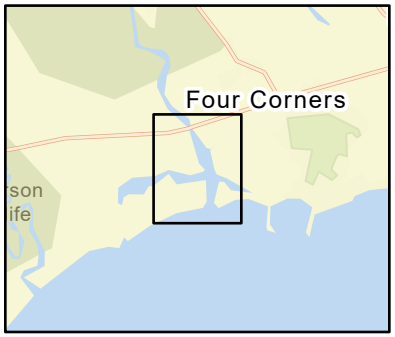
## Mousam River

## Kennebunk, ME

0 825 1,650 Feet

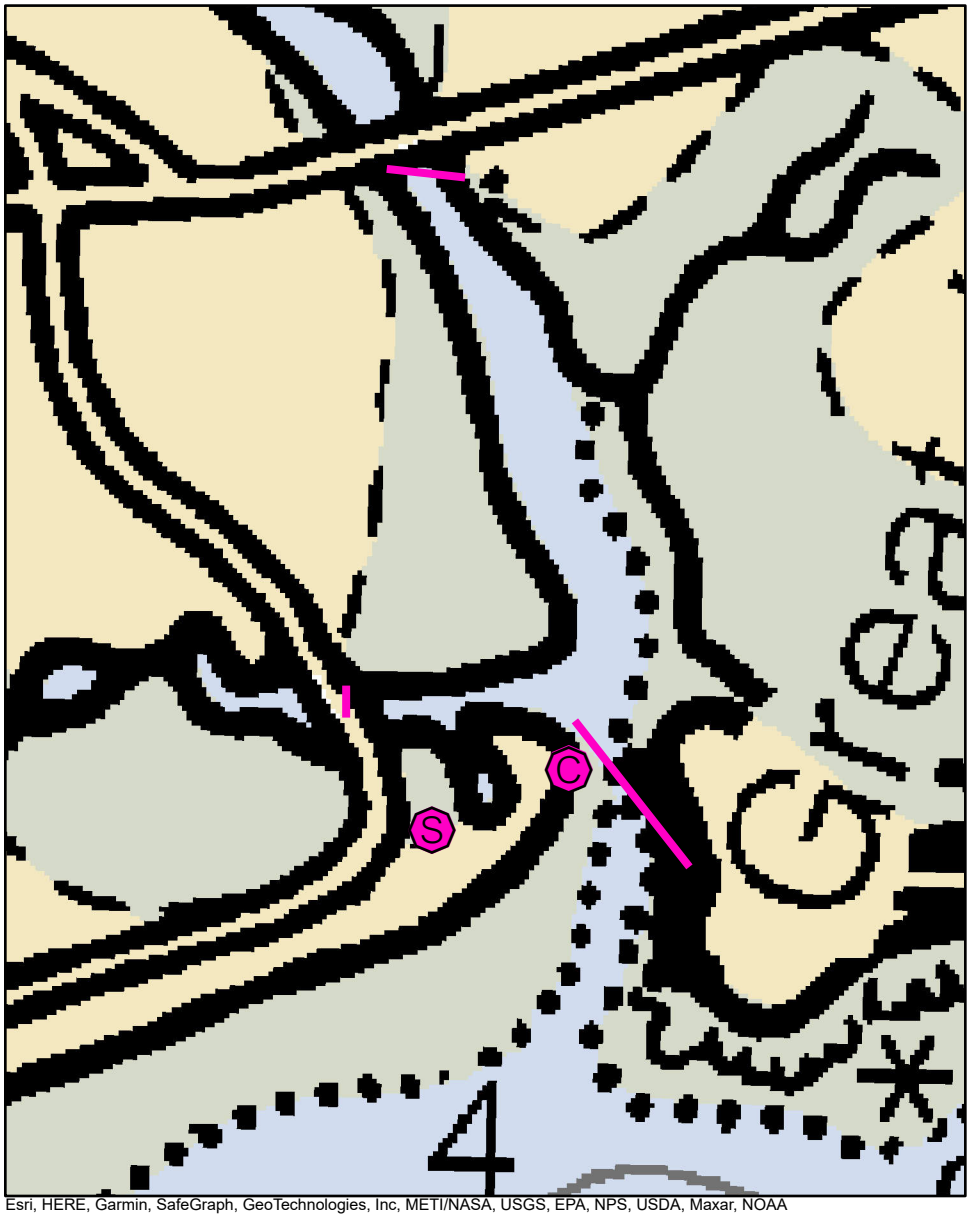
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck



Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-37-1 Mousam River

**Town** Kennebunk, ME
**Latitude** 43° 20.596 N **Longitude** 70° 30.960 W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13286_1
**ESI Map #** 52C, 53B
**EVI Map #** 8
**DeLorme Map # (2019)** 3 D1

## Resources At Risk

**ESI Primary Shoreline Type** Coarse-grained sand beaches (4)
**ESI Secondary Shoreline Type** Exposed tidal flats (7)

**Environmental Concerns** Mousam River is bird wintering area. Shorebird habitat. Shellfish beds (closed to harvesting). Diadromous fish run in river. Extensive marsh upstream.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** Divert oil from Mousam River

**Staging Areas** West side of river. Road is very narrow, with 5 ton limit on bridge.

**Site Access** Interstate 95 Exit 2 to Route 109/9 east 5.5 miles to Parsons Beach Road on west side of river.

Nearest address: 35 Parsons Beach Road, Kennebunk

**Nearest Boat Ramp** Small ramp (20' boat max) on west side of Route 9 bridge; limited space and parking. Wells Harbor, 3 miles southwest. Marinas in Kennebunk River, 2.5 miles northeast.

**Collection Points** Northeast tip of Parson's Beach.

**Special Instructions** Very difficult access. Difficult to do shore recovery of oil. Parsons Beach is privately owned and posted. Site is immediately adjacent to Rachel Carson National Wildlife Refuge. Notify US Fish and Wildlife Service in Wells (207) 646-9226 of any operations in this area.

**Work Assignment** Deploy 600' of boom at a shallow angle into the current from Parson's Beach to Great Hill.
Secondary deployments: 300' harbor boom across inlet at Rte. 9 bridge and 100 feet at bridge just before parking lot at Parson's Beach access. Riprap at Rte. 9 bridge may warrant extending or moving boom spread.

## Recommended Equipment / Resources

**Length of Boom (feet)** 600 (primary), 400 (secondaries)

**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**

Primary:
2 - shoreside connections
1 - workboats with minimum 90 hp
1 - boat operators
4 - laborers

Route 9 Bridge:
1 - vehicle with boom
2 - laborers

Parsons Beach Road:
1 - vehicle with boom
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 11/8/2018 **Last Field Visit** 5/27/2022 **Last Field Test:**

# A-38-1

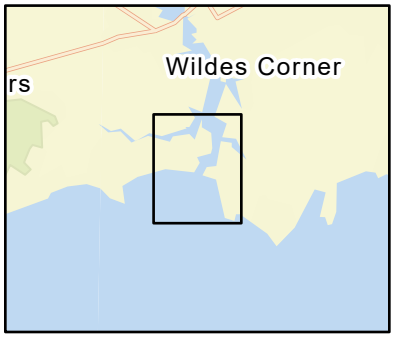
## Kennebunk River

## Kennebunkport, ME

0 725 1,450 Feet

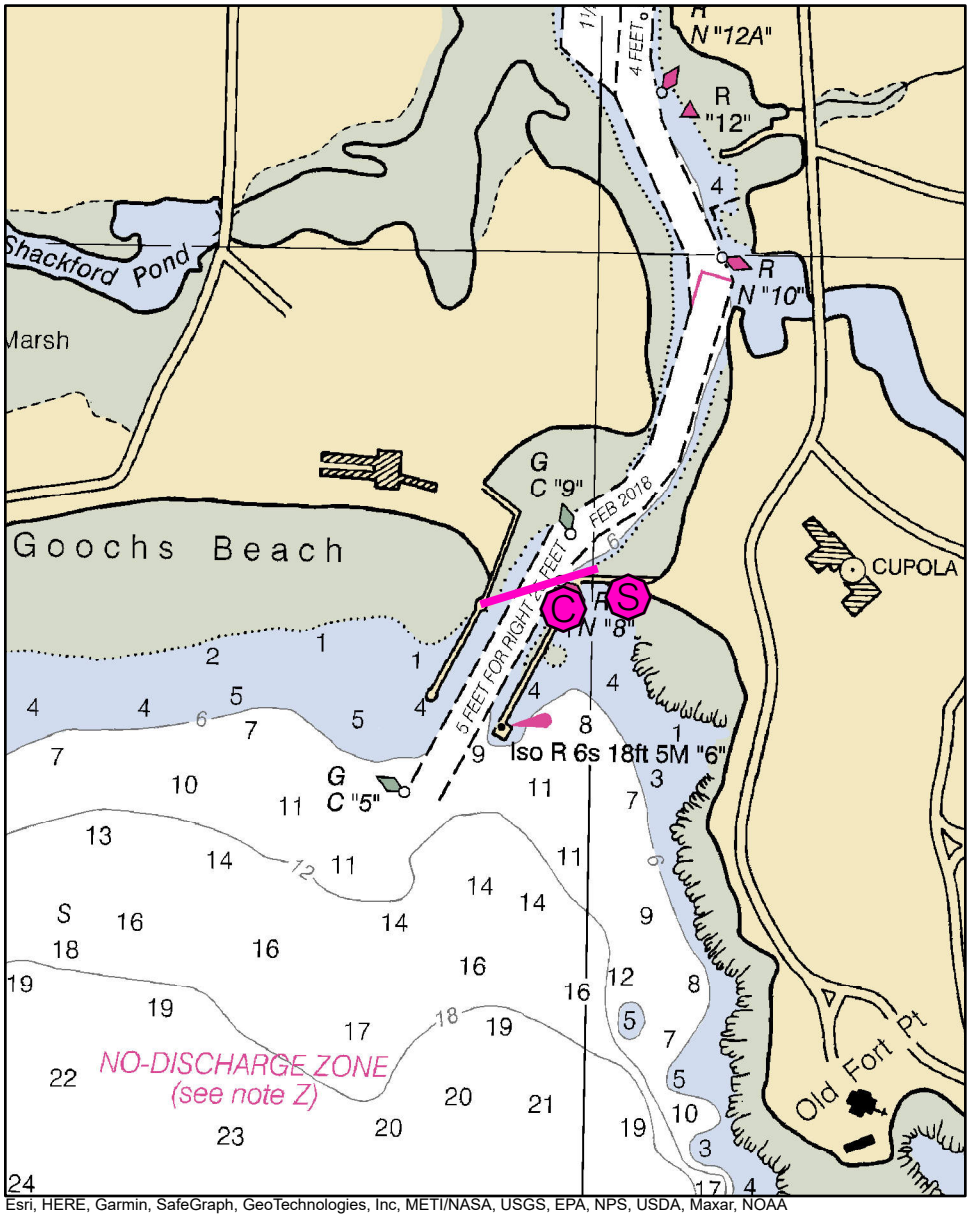
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




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# A-38-1 Kennebunk River

**Town** Kennebunkport, ME
**Latitude** 43° 20.756 N **Longitude** 70° 28.593 W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13286_4
**ESI Map #** 52C
**EVI Map #** 8
**DeLorme Map # (2019)** 3 D2

## Resources At Risk

**ESI Primary Shoreline Type** Riprap (6B)
**ESI Secondary Shoreline Type** Coarse grained sand beach (4)

**Environmental Concerns** Shorebird areas. Diadromous fish. Salt marsh upstream.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** Divert oil from Kennebunk River

**Staging Areas** Town parking lot, east side of river; might be difficult in tourist season.

**Site Access** Interstate 95 Exit 25 (Kennebunk) to Route 35 east.
Route 9 east to Ocean Ave, Kennebunkport to town parking lot on east side of river.

Nearest address: 135 Ocean Ave, Kennebunkport

**Nearest Boat Ramp** 1/2 mile upriver: Chick's Marina 207-967-2782. Several other marinas on river.

**Collection Points** Town parking lot, east side of river

**Special Instructions** Strategy closes off Kennebunk River to incoming and outgoing traffic. Notify Harbor Master for Kennebunkport River.

**Work Assignment** Deploy 400' of boom across inlet inside jetty.

## Recommended Equipment / Resources

**Length of Boom (feet)** 400

**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
2 - shoreside connections
1 - vacuum truck or skimmer and storage
1 - workboats with minimum 90 hp
1 - boat operators
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 11/8/2018 **Last Field Visit** 5/27/2022 **Last Field Test:**

# A-39-1

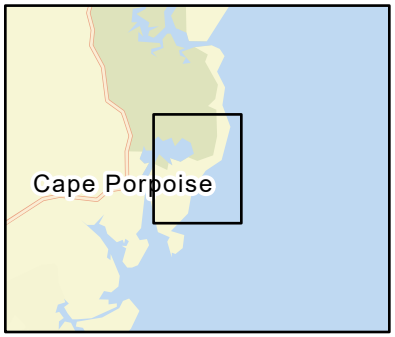
## Cape Porpoise Harbor / Sampson Cove

## Kennebunkport, ME

0 825 1,650 Feet

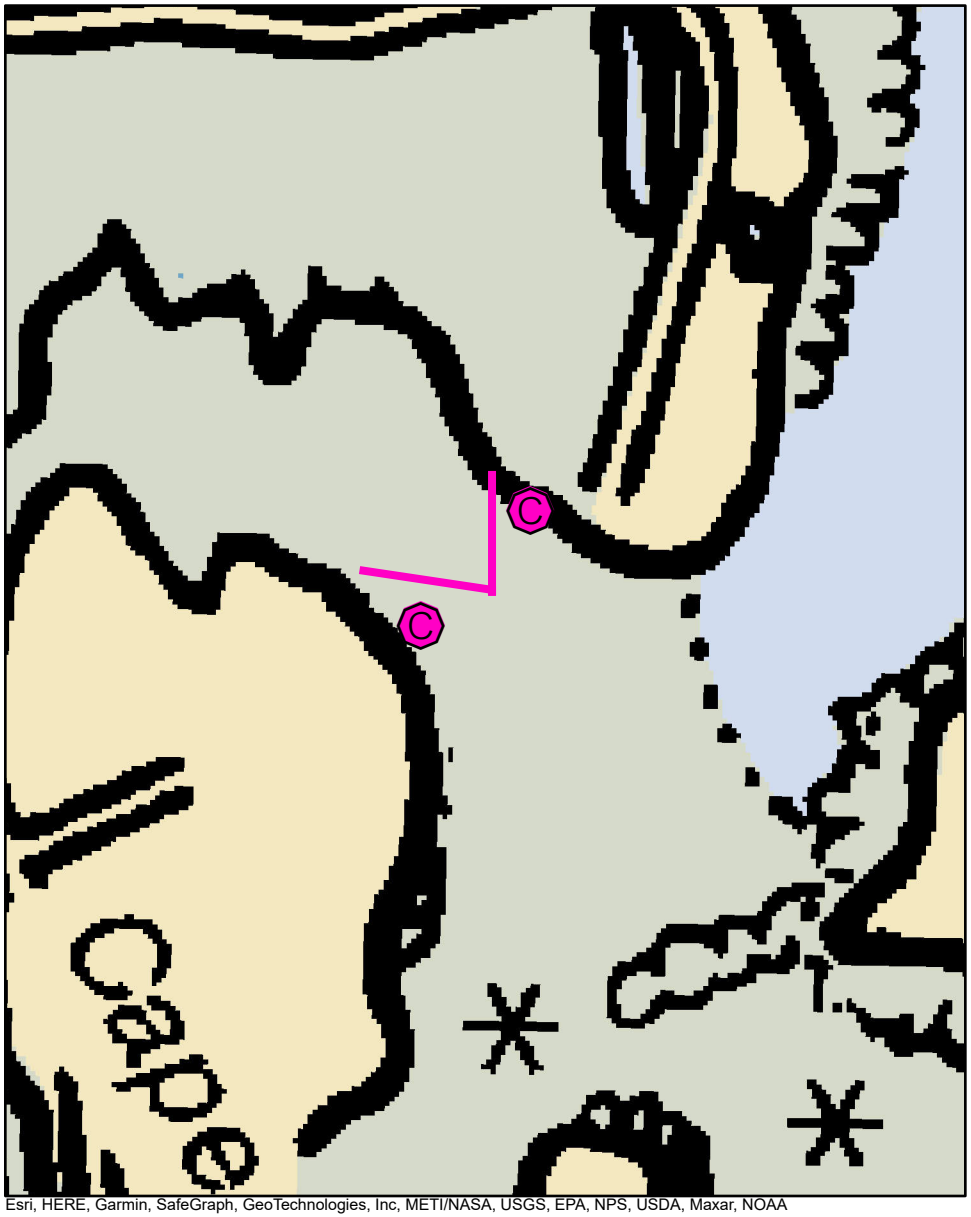
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck



Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-39-1 Cape Porpoise Harbor / Sampson Cove

**Town** Kennebunkport, ME
**Latitude** 43° 22.066 N **Longitude** 70° 25.706 W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13286_1
**ESI Map #** 52C, 52B
**EVI Map #** 9
**DeLorme Map # (2019)** 3 D2

## Resources At Risk

**ESI Primary Shoreline Type** Vegetated low banks (9B)
**ESI Secondary Shoreline Type** Salt- and brackish-water marshes (10A)

**Environmental Concerns** Shellfish and shorebird habitat. Salt marsh in Sampson Cove. Folly Island and Green Island are seabird nesting areas. Lobster dealers in harbor.

**Archaeological Conflicts** Avoid surface disturbance at southwest collection point. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** Exclude oil from Sampson Cove.

**Staging Areas** 29 Fishers Lane, Kennebunkport (parking area at end of road)

**Site Access** Same as staging areas

**Nearest Boat Ramp** 0.5 miles Cape Porpoise town wharf. Potential to launch small boat from Fisher's Lane (not all tide)

**Collection Points** Fishers Lane and Skipper Joe's Point Road

**Special Instructions**

**Work Assignment** Deploy 800 feet of boom in chevron formation from Fishers Lane across inlet to Sampson Cove.

## Recommended Equipment / Resources

**Length of Boom (feet)** 800 **Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
1 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
2 - shoreside connections
1 - 2 vacuum trucks or skimmers and storage
1 - workboats with minimum 90 hp
1 - boat operators
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 11/8/2018 **Last Field Visit** 8/16/2004 **Last Field Test:**

# A-40-1

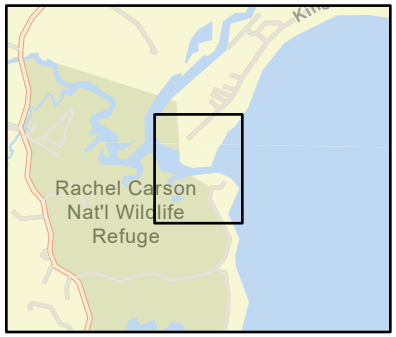
## Batson River / Smith Brook

## Kennebunkport, ME

0 520 1,040 Feet

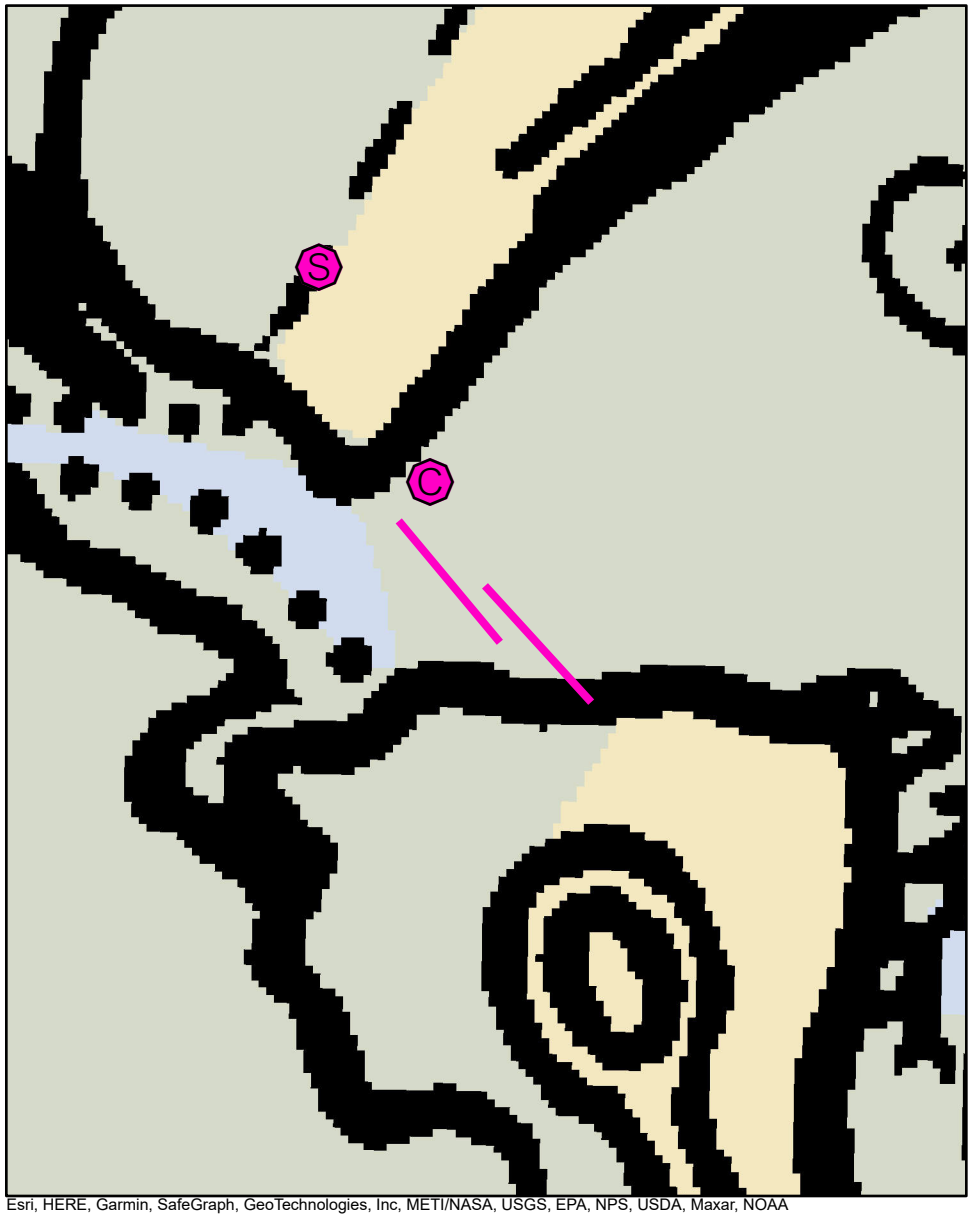
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-40-1 Batson River/Smith Brook

**Town** Kennebunkport, ME
**Latitude** 43° 23.279 N **Longitude** 70° 25.598 W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** 1.6 **Ebb** 1.6
**Source** Fitzgerald, et al 1989

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13286_1
**ESI Map #** 52B
**EVI Map #** 9
**DeLorme Map # (2019)** 3 D2

## Resources At Risk

**ESI Primary Shoreline Type** Coarse-grained sand beaches (4)
**ESI Secondary Shoreline Type** Exposed rocky shores (1A)

**Environmental Concerns** Maine and Federal Endangered and Threatened Species: Piping Plover, Least Tern and Roseate Tern nesting areas. Contact US Fish and Wildlife Service in Wells (207)646-9226 and Maine Dept. of Inland Fisheries & Wildlife prior to deployment during spring and summer seasons.

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To deflect oil from Batson River

**Staging Areas** 101 King's Highway, Kennebunkport. Extremely limited parking.

**Site Access** From Route 9 in Kennebunkport, turn east onto Goose Rocks Road. Turn right at T intersection on King's Highway and proceed to dead end.

**Nearest Boat Ramp** Small trailerable ramp 2 mi. NE at Little River. Cape Porpoise town wharf 3.2 miles SW.

**Collection Points** Goose Rocks Beach

**Special Instructions** Difficult access. Long walk across beach to access GRS area, consider coordinating with FD to use a UTV or similar to deploy boom. Collection point difficult if not infeasible due to homes and adjacent sand dunes, vacuum truck would not be able to access unless it went into the driveway for 401 Kings Hwy.; would need several hundred feet of hose.

**Work Assignment** Deploy two 300' sections of boom in cascade across river mouth. A secondary 200 foot long piece of boom is located upstream at Route 9 crossing. No access from Marshall Point side. All sand on Goose Rocks side (500' on foot from end of road).

## Recommended Equipment / Resources

**Length of Boom (feet)** 600 (primary), 200 (secondary)
**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**

Primary:
4 - anchor systems: 22 lb. Fortress or equivalent
2 - shoreside connections
1 - vacuum truck or skimmer and storage
1 - workboats with minimum 90 hp
1 - boat operators
2 - laborers

Secondary:
1 - vehicle with boom
2 - shoreside connections
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 11/8/2018 **Last Field Visit** 5/27/2022 **Last Field Test:**

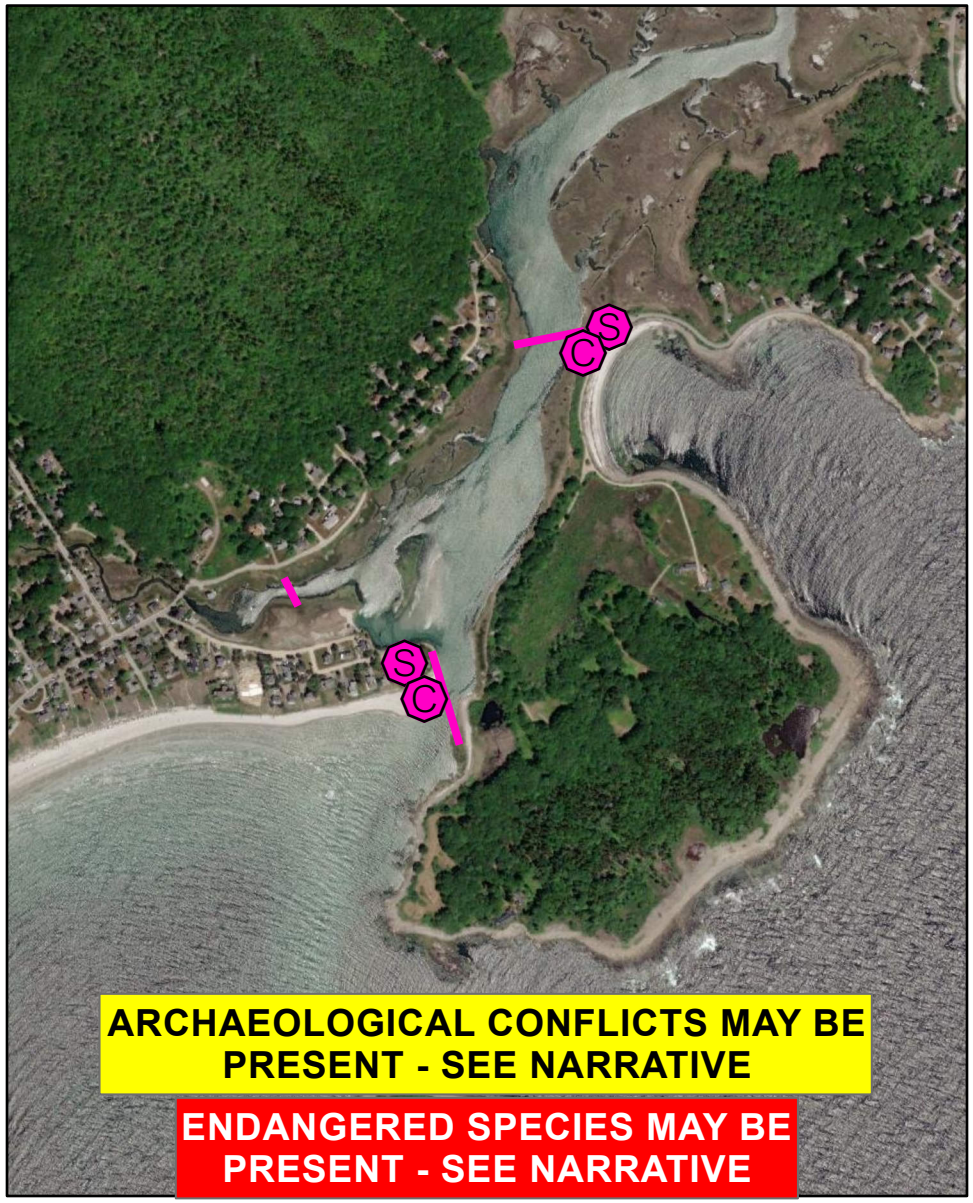
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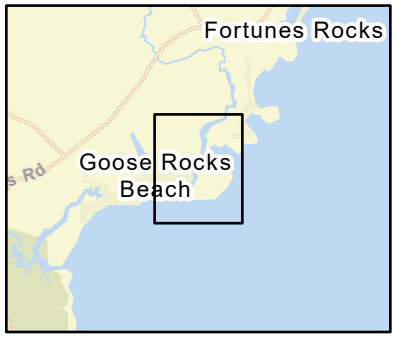
## Little River, Biddeford

## Biddeford, ME

0 1,000 2,000 Feet

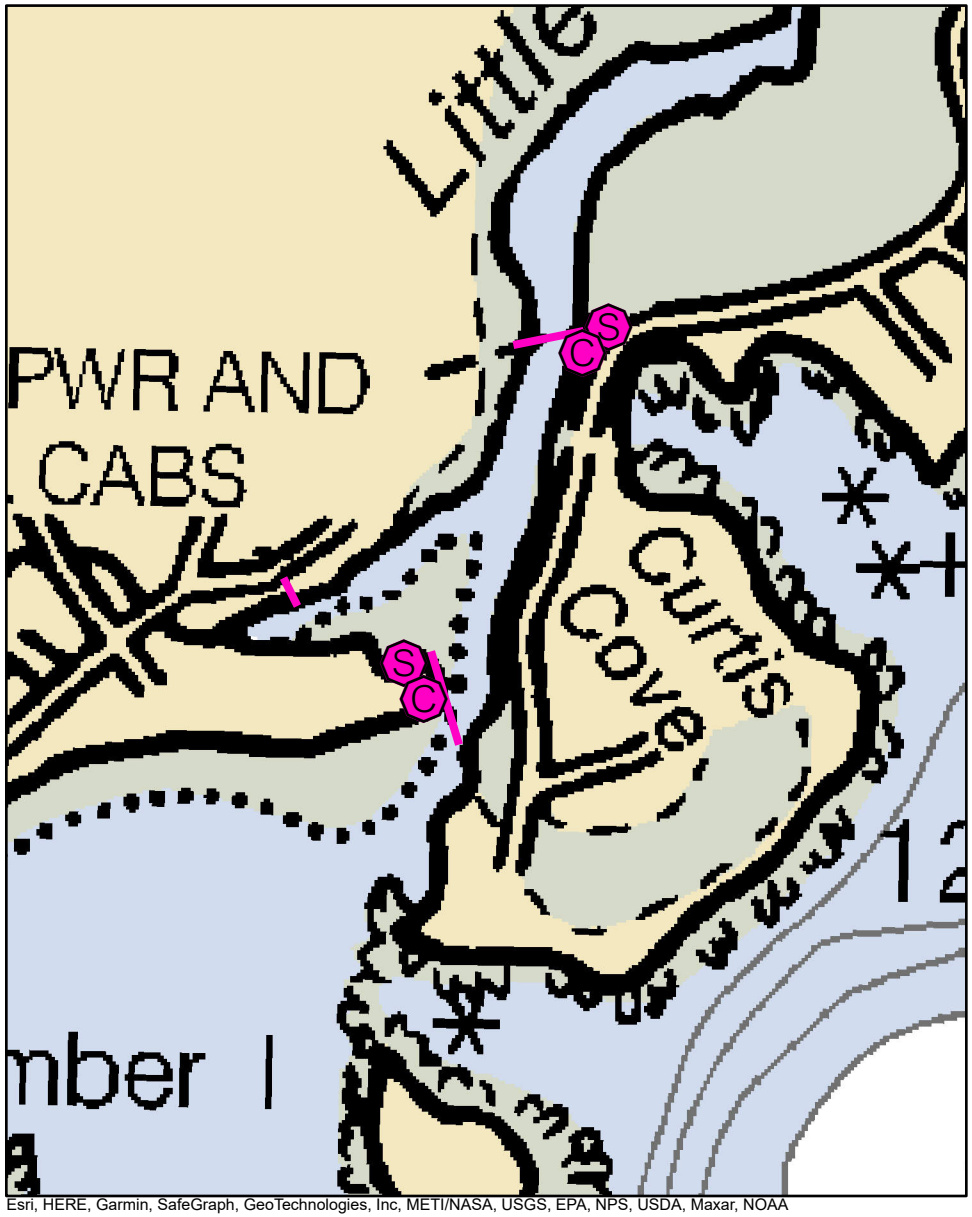
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-41-1 Little River, Biddeford

**Town** Biddeford, ME
**Latitude** 43° 23.966 N **Longitude** 70° 24.042 W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** 1.6 **Ebb** 1.2
**Source** Fitzgerald, et al 1989

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13286_1
**ESI Map #** 52A
**EVI Map #** 9
**DeLorme Map # (2019)** 3 D3

## Resources At Risk

**ESI Primary Shoreline Type** Coarse-grained sand beaches (4)
**ESI Secondary Shoreline Type** Salt- and brackish-water marshes (10A)

**Environmental Concerns** Maine Endangered Species: Piping Plover and Least Tern nesting areas.
Federal Threatened Species (Piping Plover). Contact US Fish & Wildlife Service in Wells 207-646-9226 and the Maine Dept. of Inland Fisheries & Wildlife prior to deployment during spring and summer seasons.
Extensive salt marsh fed by Little River is vulnerable shorebird habitat.

**Archaeological Conflicts** Secondary southern boom eastern anchoring point should be kept near wrack line or anchored to boulders/trees if possible. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert and exclude oil from Little River

**Staging Areas** Sand Point Road Extension/ Timber Point Road. Limited and narrow parking, especially during tourist season.

**Site Access** West side: From Rte. 9 in Kennebunkport, take Dyke Rd. to King's Hwy. East on King's Hwy to Sand Pt. Road.

East side: Rte. 9 east to Granite Point Road. Right on Timber Point Road.

**Nearest Boat Ramp** Small boat ramp on Sand Pt. Rd. (not accessible at low tide)
Large boat ramps at Cape Porpoise Harbor and Biddeford Pool
Small gravel boat ramp off Timber Pt. Rd. (also tide dependent)

**Collection Points** Northeast end of Goose Rocks Beach, boat launch on Timber Pt. Road

**Special Instructions** May be unnecessary if river flow is strong; winter upkeep of staging areas needs to be checked.

**Work Assignment** There are one primary and two secondary strategies. Upstream strategies may be most feasible due to current at river mouth. Boom best staged from Sand Point side due to access.

Deploy 450' of boom diagonally across inlet from Sand Pt. Road to Timber Pt.
Secondary deployment: 100' of harbor boom across secondary inlet from boat launch on Sand Pt. Rd.
Additional secondary deployment: 400' harbor boom across inlet at boat launch off Timber Pt. Road.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1100

**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**

Primary:
2 - shoreside connections
1 - vacuum truck or skimmer and storage
1 - workboats with minimum 90 hp
1 - boat operators
2 - laborers

Sand Point Road:
1 - vehicle with boom
2 - shoreside connections, 2 laborers

Timber Point Road:
1 - vehicle with boom
2 - shoreside connections
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 11/8/2018 **Last Field Visit** 7/18/2022 **Last Field Test:** 3/25/2010

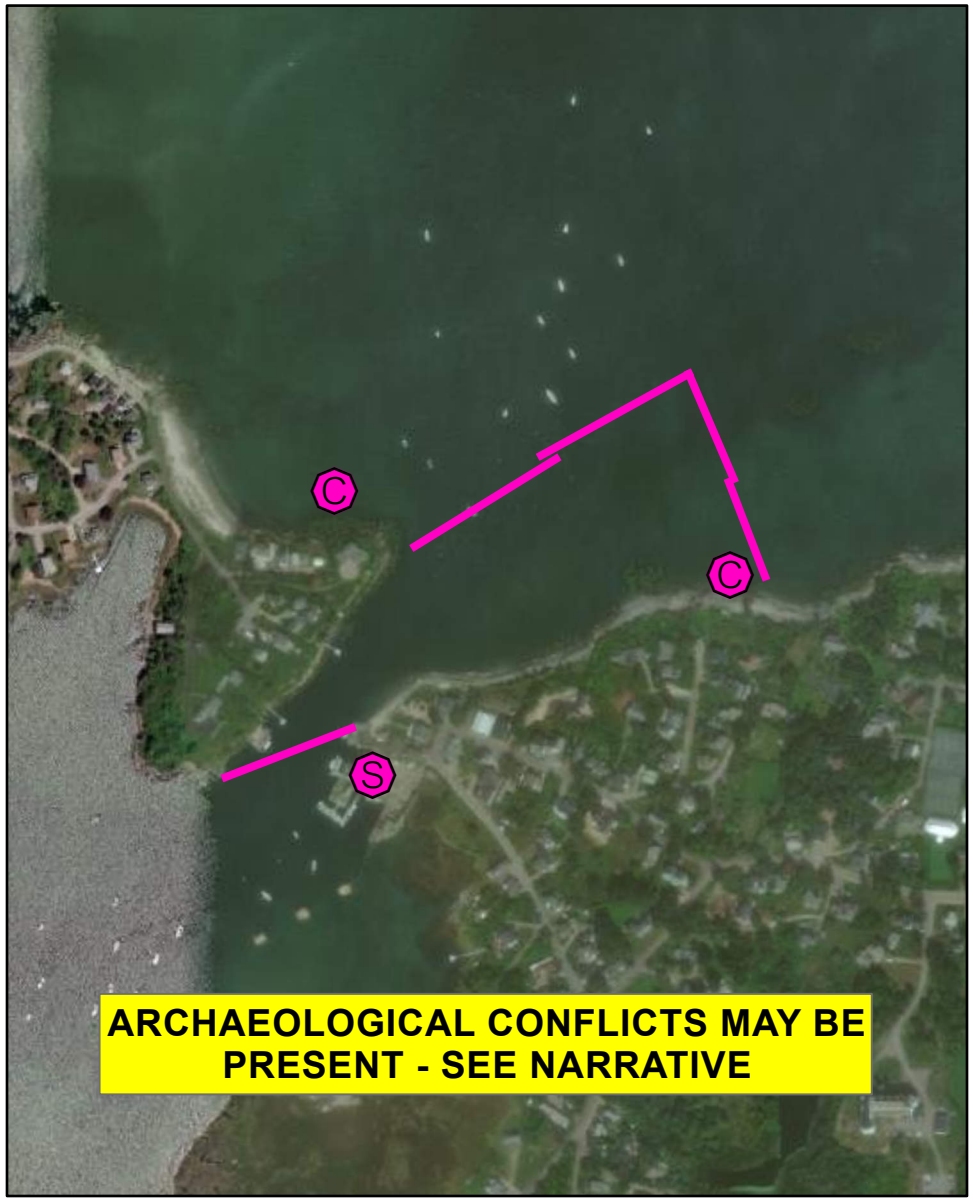
# A-42-1

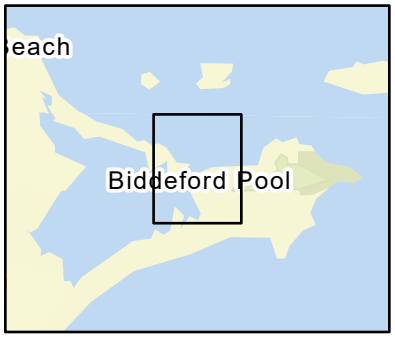
## Biddeford Pool

## Biddeford, ME

0 725 1,450 Feet

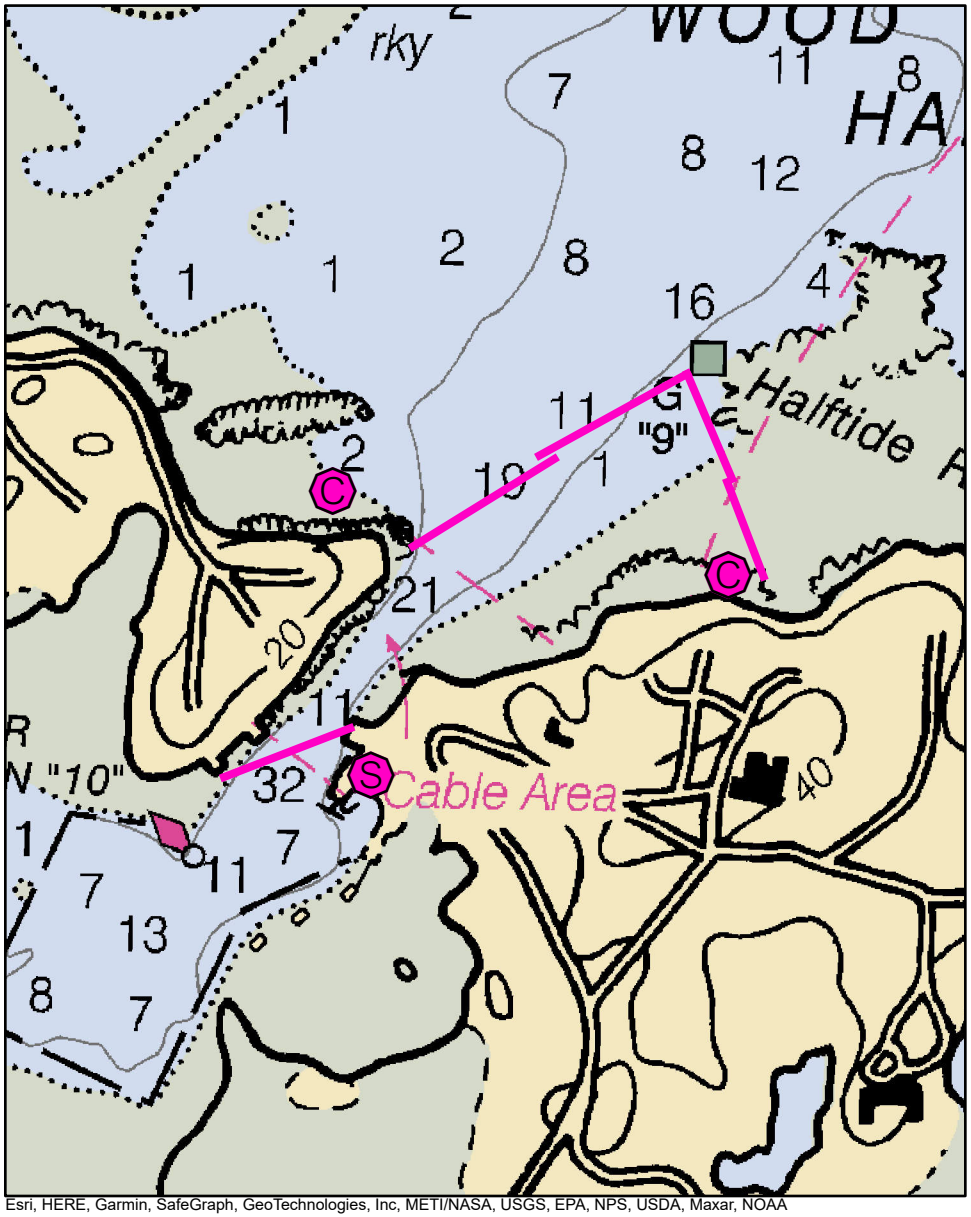
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-42-1 Biddeford Pool

**Town** Biddeford, ME
**Latitude** 43° 26.871 N **Longitude** 70° 21.311 W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** 2+ **Ebb**
**Source** estimated

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13287_1
**ESI Map #** 52A
**EVI Map #** 9
**DeLorme Map # (2019)** 3 C3

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered tidal flats (9A)
**ESI Secondary Shoreline Type** Mixed sand and gravel beaches (5)

**Environmental Concerns** Biddeford Pool is an important bird wintering area. Shorebirds, marine worms and shellfish beds present. Roseate tern (endangered), harlequin duck (state threatened) and seabird nesting islands located just offshore of Wood Island Harbor.

**Archaeological Conflicts** Potential conflict at Vines Landing for secondary deployment; utilize ground or newer structures for anchoring inland boom deployment. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert oil from entering Biddeford Pool

**Staging Areas** Vines Landing boat launch, Mile Stretch Road

**Site Access** Route 9 to 208 east. Left turn at end of 208 onto Mile Stretch Road. Vine's Landing (public boat launch) is at end of Mile Stretch Rd. Closest address: 1 Lester B. Orcutt Blvd.

**Nearest Boat Ramp** Vines Landing, at site. Biddeford Pool Yacht Club adjacent.

**Collection Points** East side of entrance to Biddeford Pool, southwest tip of Hills Beach

**Special Instructions** Strategy shuts off The Pool and all traffic through the inlet; contact the Biddeford Harbormaster. Current is extremely fast at inlet mouth.

**Work Assignment** Deploy two 500 foot sections of boom from southern end of Hills Beach to Halftide Rock.
Deploy two 350 foot sections of boom from Vines Landing to Halftide Rock.
Secondary deployment, or if primary is not feasible: Deploy 500' of harbor boom across inlet inshore. Use as shallow an angle as possible due to high currents.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1700 (primary), 500 (secondary)

**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**

Primary:
4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

Secondary:
2 - shoreside connections
1 - vacuum truck or skimmer and storage
1 - workboats with minimum 90 hp
1 - boat operators
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 11/8/2018 **Last Field Visit** 6/9/2022 **Last Field Test:**

# A-43-1

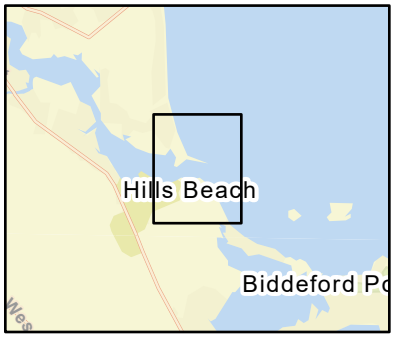
## Saco River

## Biddeford / Saco, ME

0 1,000 2,000 Feet

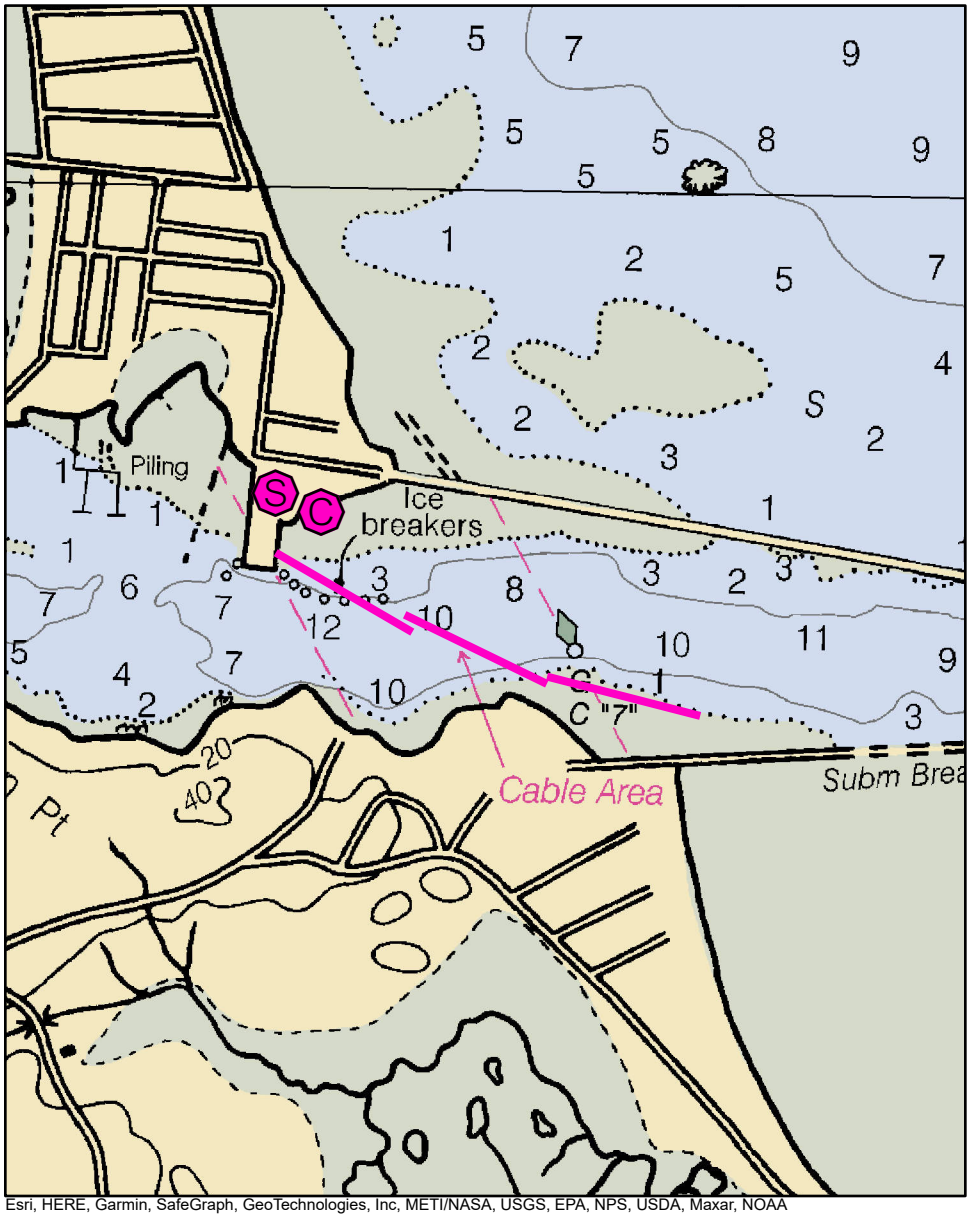
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# A-43-1 Saco River

**Town** Biddeford / Saco, ME
**Latitude** 43° 27.685 N **Longitude** 70° 22.899 W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** 2 **Ebb** 3
**Source** Woods Hole Group, 2003

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** 13287_1
**ESI Map #** 52A
**EVI Map #** 9
**DeLorme Map # (2019)** 3 C3

## Resources At Risk

**ESI Primary Shoreline Type** Coarse-grained sand beaches (4)
**ESI Secondary Shoreline Type** Riprap (6B)

**Environmental Concerns** Saco River is a bird wintering area. Shorebird habitat. Diadromous fish and elver runs in river.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert oil from Saco River

**Staging Areas** Camp Ellis pier; excellent parking lot but parking and staging will be difficult during summer.

**Site Access** Route 9 south (Seaside Ave) to Main Ave / North Ave to Camp Ellis fish pier. Caution - this route has a 12' height limit due to railroad underpass.

Alternative route: Interstate 195/Rte. 5; left onto Old Orchard Road; right onto Route 9 (Seaside Ave.) to Main Ave / North Ave to Camp Ellis fish pier.

Closest address: 7 Bay Ave, Saco, ME

**Nearest Boat Ramp** At site: Camp Ellis Pier

**Collection Points** Camp Ellis Pier. Vac truck could park parallel to beach and access site with 200-300 feet of hose.

**Special Instructions** GRS will shut off Saco River harbor. Contact local harbormaster before deployment.

**Work Assignment** Deploy three 600' sections of boom in cascade fashion from end of Camp Ellis Pier at a maximum 20° angle past green can "7" into channel toward Hills Beach Breakwater.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1800

**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
5 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
1 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 11/8/2018 **Last Field Visit** 5/27/2022 **Last Field Test:**

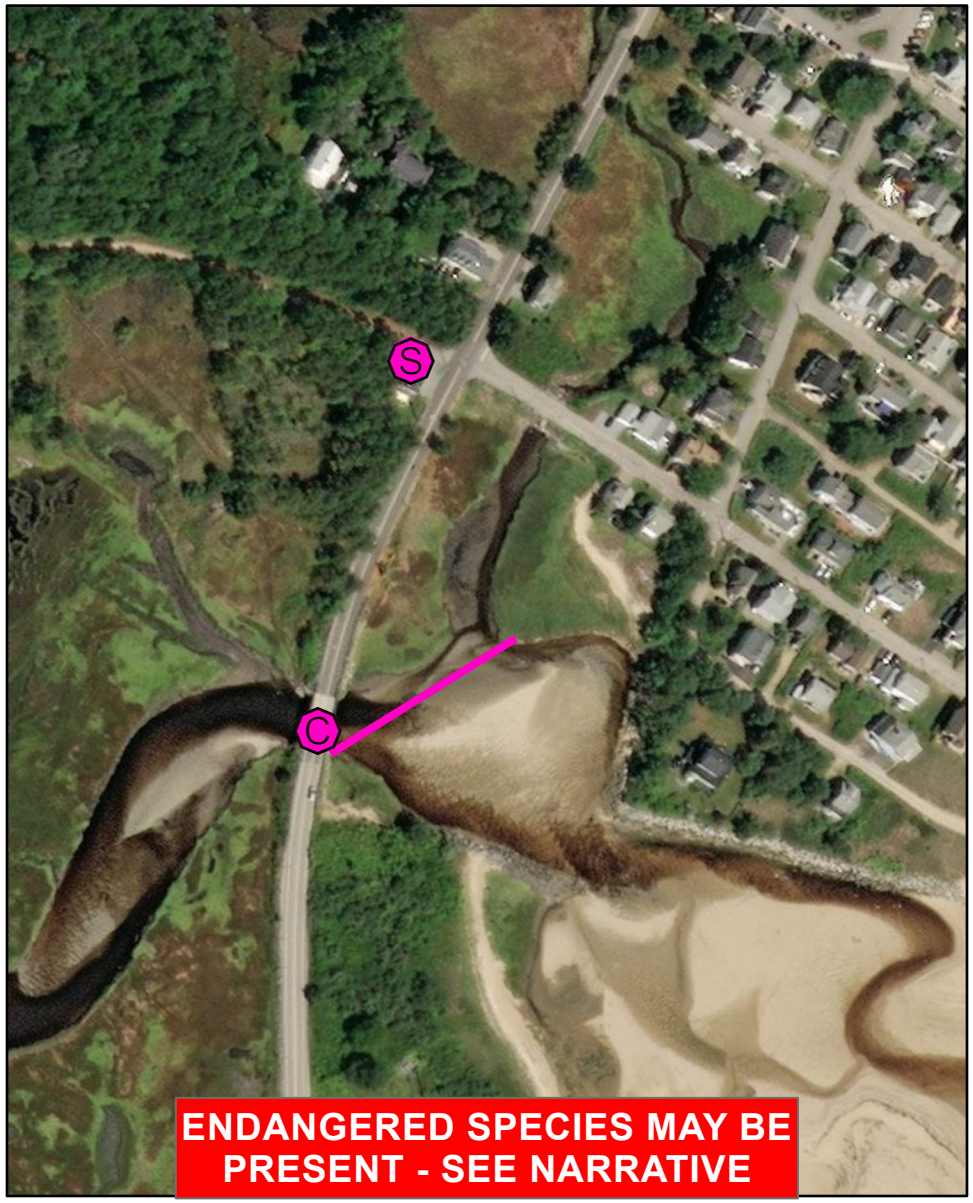
# A-44-1

## Goosefare Brook

## Old Orchard Beach, ME

0 310 620 Feet

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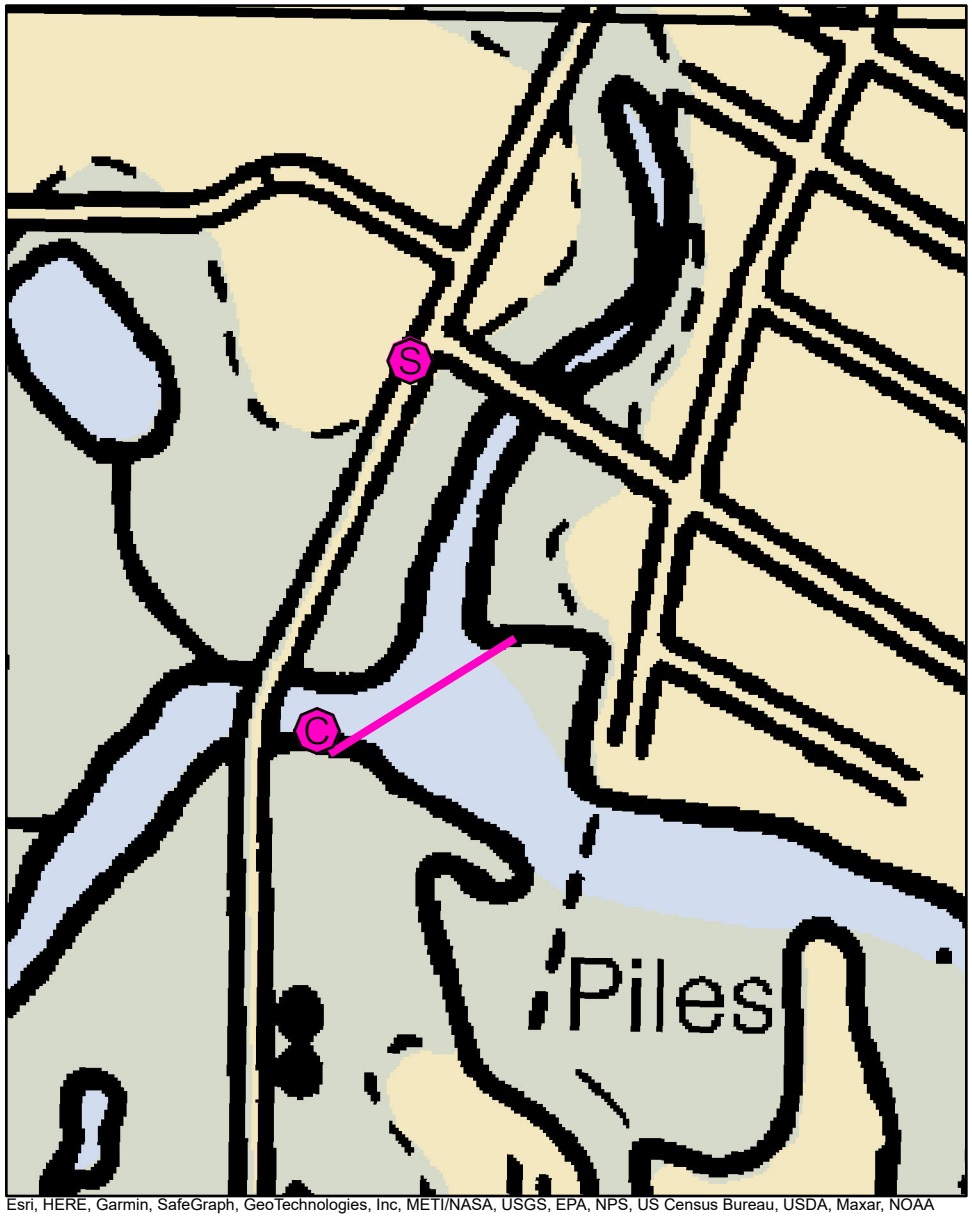






**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, Maxar, NOAA

# A-44-1 Goosefare Brook

**Town** Old Orchard Beach, ME

**Latitude** 43° 29.789 N **Longitude** 70° 23.079 W

**Approx. Tidal Range (feet)** 9

**Max Current (knots)** **Flood** **Ebb**

**Source**

**Port Region** New Hampshire and Southern Maine

**NOAA Chart #** 13287_1

**ESI Map #** 51A

**EVI Map #** 10

**DeLorme Map # (2019)** 3 C3

## Resources At Risk

**ESI Primary Shoreline Type** Coarse-grained sand beaches (4)

**ESI Secondary Shoreline Type** Salt- and brackish-water marshes (10A)

**Environmental Concerns** Maine Endangered Species: Piping Plover and Least Tern nesting areas.
Federal Threatened Species (Piping Plover). Contact US Fish & Wildlife Service in Wells (207-646-9226) and Maine Dept. of Inland Fisheries and Wildlife prior to deployment during spring and summer seasons.
Salt marsh located upstream.

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To divert oil from Goosefare Brook

**Staging Areas** Ocean Park by pumping station (204 W Grand Ave); New Salt Road

**Site Access** Interstate 95 Exit 36 to Route 195 east. Straight through intersection to Temple Ave and Rte. 9 east to New Salt Road. Closest address: 200 West Grand Ave., Old Orchard Beach

**Nearest Boat Ramp** Camp Ellis, Saco

**Collection Points** Saco side of inlet from sand beach

**Special Instructions** Traffic control a must. Workboats may not be necessary at high tide. May be unnecessary if river flow is strong.

**Work Assignment** Close tide gate at New Salt Road. Contact OOB Public Works: 934-2250 or Police Dept: 934-4911
Deploy 300 feet of boom from southerly side of bridge to northerly shore.
Recover oil from Saco side of inlet.

## Recommended Equipment / Resources

**Length of Boom (feet)** 300

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
2 - shoreside connections
1 - vacuum truck or skimmer and storage
1 - workboats with minimum 90 hp
1 - boat operators
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 11/8/2018 **Last Field Visit** 5/27/2022 **Last Field Test:** 3/25/2010

# A-BRWK

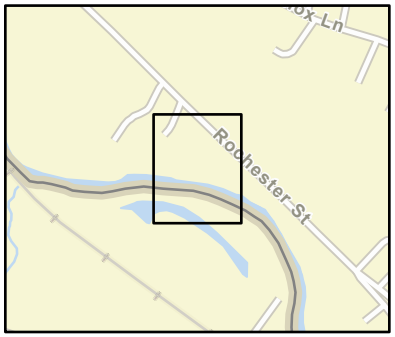
## Berwick Water Treatment Plant

## Berwick, ME

0 200 400 Feet

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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck





Downstream anchor point



Upstream anchor point





Midpoint anchor point

Maxar, Microsoft, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, NOAA

# A-BRWK Berwick Water Treatment Plant

**Town** Berwick, ME
**Latitude** 43° 16.348' N **Longitude** -70° 52.583 W
**Approx. Tidal Range (feet)** N/A
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** N/A
**ESI Map #** N/A
**EVI Map #** N/A
**DeLorme Map # (2019)** 2 E2

## Resources At Risk

**ESI Primary Shoreline Type** Vegetated low banks (9B)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Primary concern is protection of water intake for Town of Berwick

**Archaeological Conflicts** ME: None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

NH: Contact NHDHR at (603)-271-3484

## Strategy Information

**Strategy Purpose** Deflect and/or exclude oil from Town of Berwick water intake

**Staging Areas** Berwick Water Treatment Plant, 150 Rochester St., Berwick or from boat launch at Somersworth Water Treatment Plant, 9 Wells Street, Somersworth, NH

**Site Access** From boat launch at Somersworth Water Treatment Plant or from right-of-way across the street from Berwick Water Treatment Plant, 150 Rochester St., Berwick

**Nearest Boat Ramp** Somersworth Water Treatment Plant

**Collection Points** N/A. Do not collect oil in the vicinity of the intake.

**Special Instructions** Important to observe that oil is deflected / excluded properly. If boom does not stay in place as designed, preferable to let oil go by the intake than to let it entrain or collect near the intake. Boom is stored on site.

Should be placed in conjunction with boom at the Somersworth Water Treatment Plant intake approximately 1,500 feet downstream

**Work Assignment** Deploy 300 feet of boom starting well upstream of the water intake to deflect oil from Berwick side of river. Anchor at midpoint and to both shorelines with line.

## Recommended Equipment / Resources

**Length of Boom (feet)** 300
**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
1 - boat with operator and outboard
2 - laborers
Sufficient line for anchoring -- approx. 300 ft.

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 6/14/2018 **Last Field Visit** **Last Field Test:** 5/24/2018

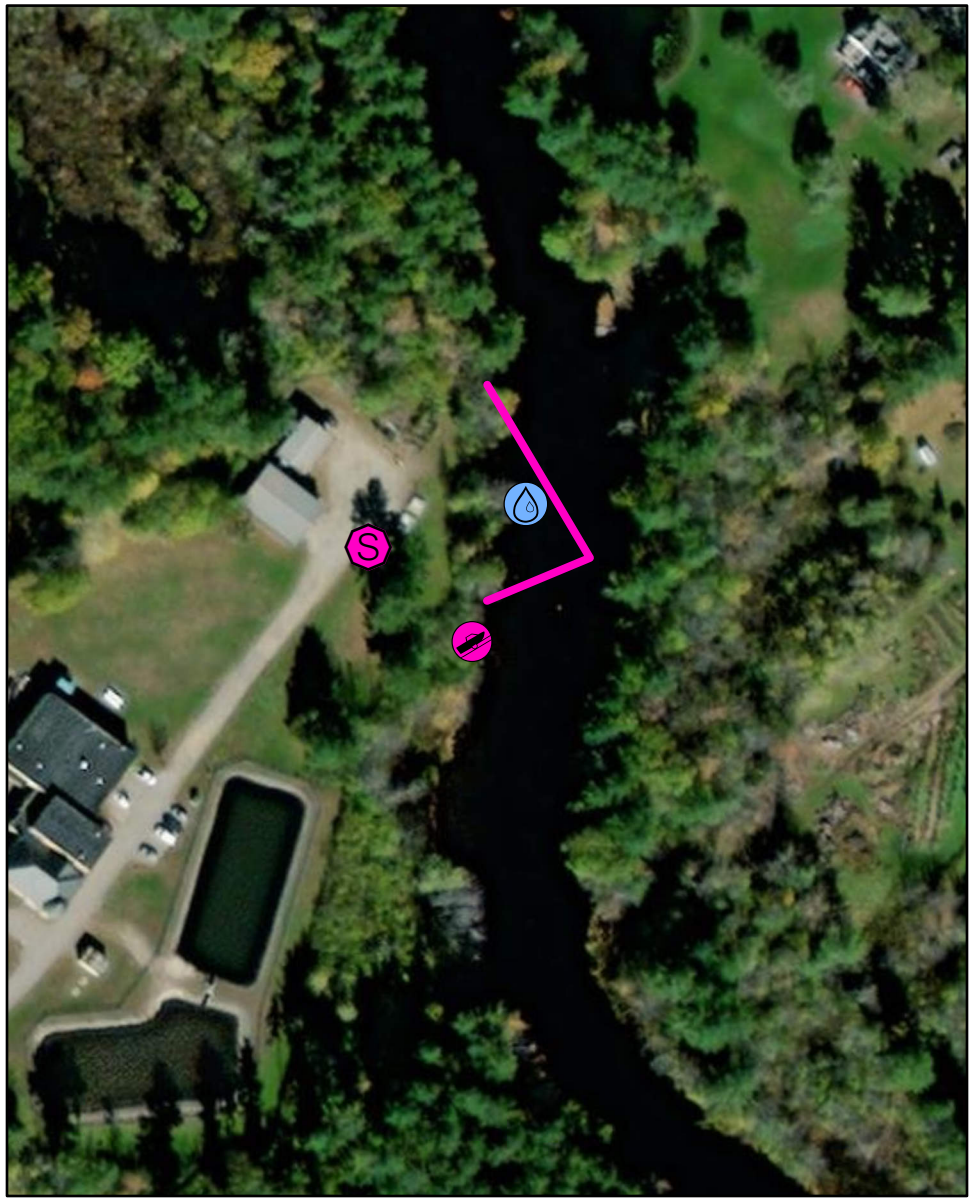
# A-SMRS

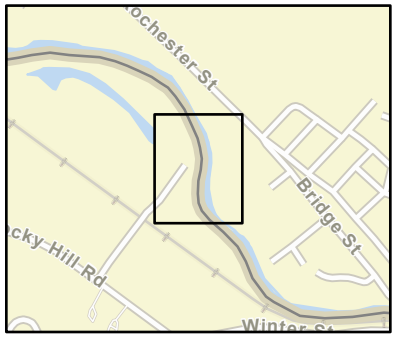
## Somersworth Water Treatment Plant

## Somersworth, NH

0 200 400 Feet

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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck

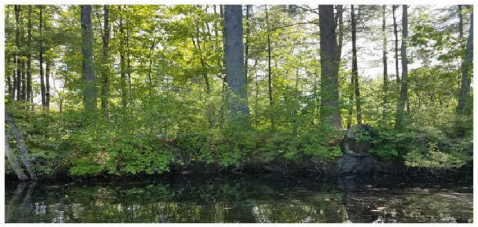




Downstream anchor point



Upstream anchor point





Midpoint anchor point
(large pines)

Maxar, Microsoft, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, NOAA

# A-SMRS Somersworth Water Treatment Plant

**Town** Somersworth, NH
**Latitude** 43° 16.186' N **Longitude** -70° 52.371' W
**Approx. Tidal Range (feet)** N/A
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** New Hampshire and Southern Maine
**NOAA Chart #** N/A
**ESI Map #** 55A
**EVI Map #** N/A
**DeLorme Map # (2019)** 2 E2

## Resources At Risk

**ESI Primary Shoreline Type** Vegetated low banks (9B)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Primary concern is protection of water intake for City of Somersworth

**Archaeological Conflicts** ME: None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

NH: Contact NHDHR at (603)-271-3484

## Strategy Information

**Strategy Purpose** Deflect and/or exclude oil from City of Somersworth water intake

**Staging Areas** Somersworth Water Treatment Plant, 9 Wells Street, Somersworth, NH

**Site Access** Same as staging area

**Nearest Boat Ramp** On site ramp for small boat. WTP has boat on site.

**Collection Points** N/A. Do not collect oil in the vicinity of the intake.

**Special Instructions** Important to observe that oil is deflected / excluded properly. If boom does not stay in place as designed, preferable to let oil go by the intake than to let it entrain or collect near the intake. Boom is stored on site.

Should be placed in conjunction with boom at the Berwick Water Treatment Plant intake approximately 1,500 feet upstream

**Work Assignment** Deploy 300 feet of boom starting well upstream of the water intake to deflect oil from Somersworth side of river. Anchor at midpoint and to both shorelines with line. Anchor midpoint to large pines on Berwick side of the river.

## Recommended Equipment / Resources

**Length of Boom (feet)** 300 **Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
1 - boat with operator and outboard
2 - laborers
Sufficient line for anchoring -- approx. 300 ft.

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 6/14/2018 **Last Field Visit** **Last Field Test:** 5/24/2018

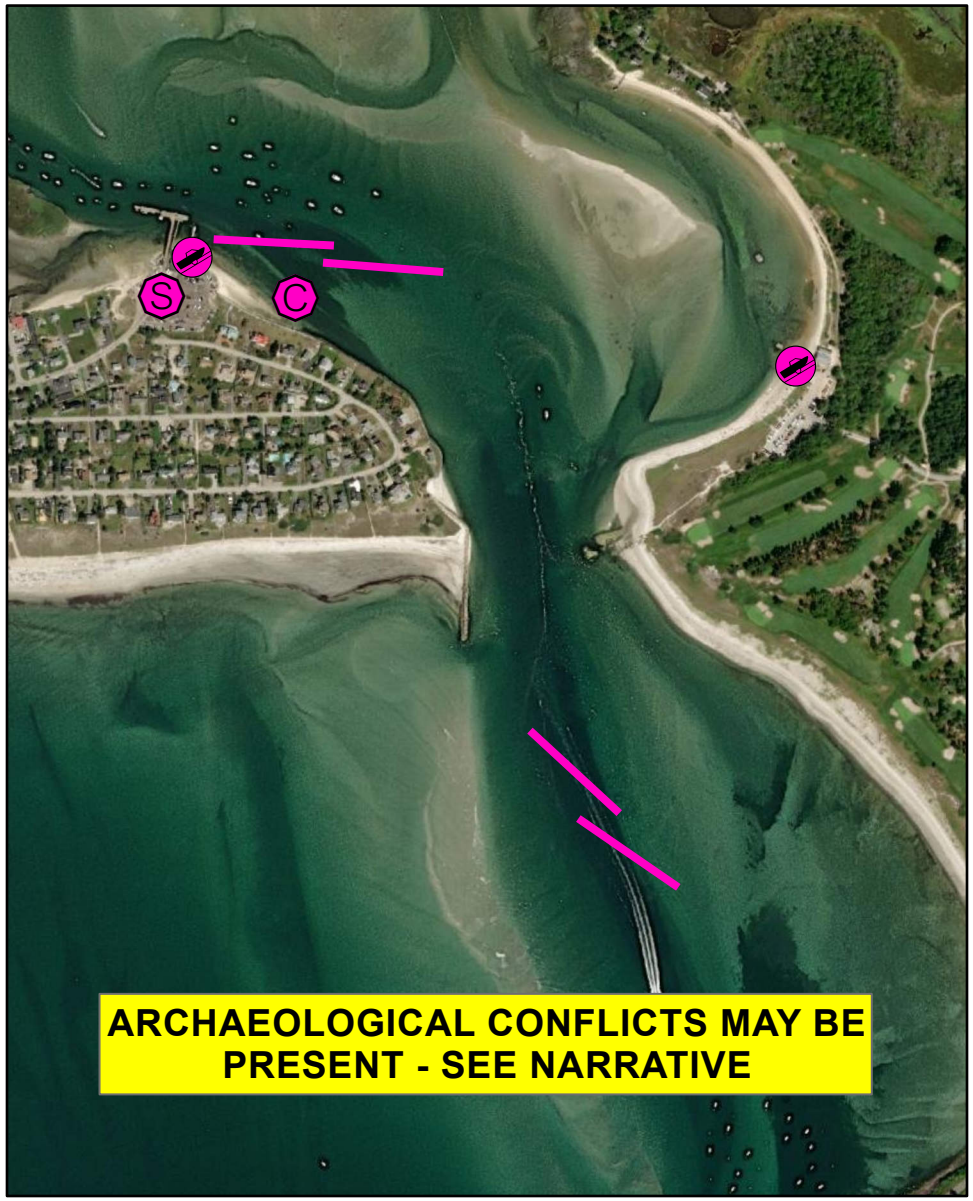
# B-01-1

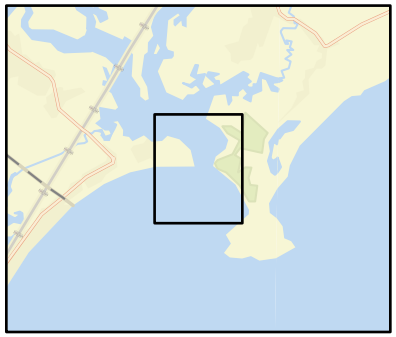
## Scarborough River

## Scarborough, ME

0 1,000 2,000 Feet

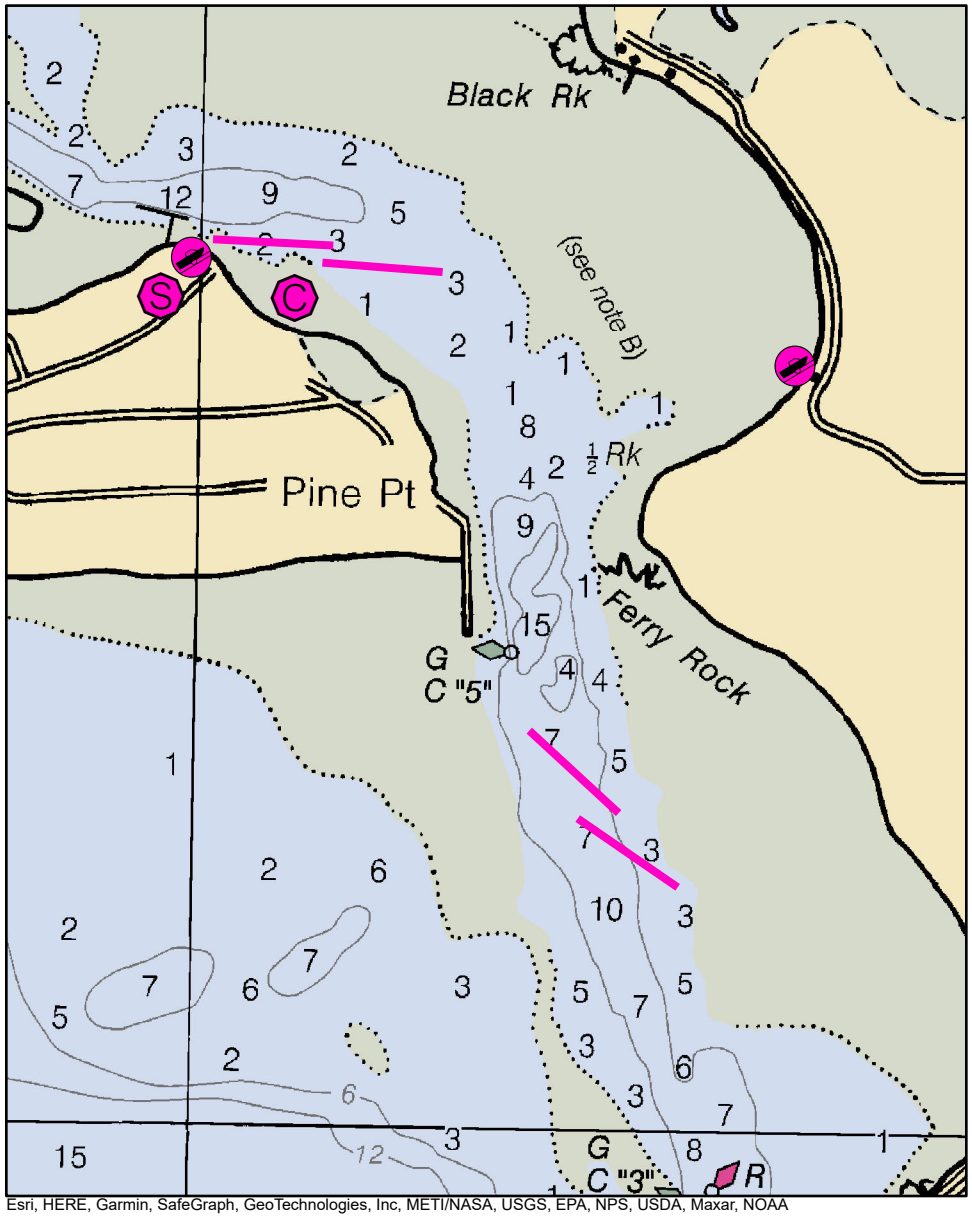
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-01-1 Scarborough River

**Town** Scarborough
**Latitude** 43 32.481 N **Longitude** 70 19.656 W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** 1.1 **Ebb** 1.3
**Source** Measured

**Port Region** Casco Bay
**NOAA Chart #** 13287_1
**ESI Map #** 50D
**EVI Map #** 10
**DeLorme Map # (2019)** 3 B4

## Resources At Risk

**ESI Primary Shoreline Type** Coarse-grained sand beaches (4)
**ESI Secondary Shoreline Type** Riprap (6B)

**Environmental Concerns** Scarborough marsh is the largest in the state, and extremely valuable wildlife habitat. The mouth of the river is nesting habitat for endangered piping plovers. Contact Maine Department of Inland Fisheries and Wildlife and U.S. Fish and Wildlife (877-645-2473). The river mouth is also wintering habitat for threatened Harlequin Ducks. Scarborough marsh is critical shorebird habitat with extensive shellfish beds and habitat for many species of special concern, including plants. Aquaculture sites. Sturgeon and striped bass. Recreational beaches.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert oil from Scarborough marsh.

**Staging Areas** Public boat launch parking lot at Pine Point (near 94-96 King St, Scarborough); Ferry Beach boat ramp (50 Ferry Rd, Scarborough)

**Site Access** Pine Point: from Rte. 1 Scarborough, take Rte. 9 to launch at Pine Point (Rte. 9/Pine Point Rd. becomes King St.; follow King St. to launch); Ferry Beach ramp: From Rte. 1 Scarborough, take Rte. 207 to Ferry Road; follow Ferry Rd. to launch

**Nearest Boat Ramp** Public boat launch at Pine Point (all-tide; near 94-96 King St., Scarborough); Ferry Beach boat ramp (part-tide; 50 Ferry Rd., Scarborough)

**Collection Points** Beach on southeasterly side of Pine Point (nearest address 37 Pillsbury Drive, Scarborough)

**Special Instructions** Extremely high priority for protection! Place secondary strategies in inner channels (See B-01-2)

No floats at ramps in winter.

**Work Assignment** Cascade two 300 foot lengths of boom in channel starting between Red Nun #4 and Green Can #5 in order to deflect oil to western side of channel. Place two additional 300 foot lengths of boom into channel at boat launch to bring oil into collection area at sand beach on southeast side of boat ramp.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1200
**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
7 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
1 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 11/15/2018 **Last Field Visit** 10/4/2012 **Last Field Test:** 10/4/2012

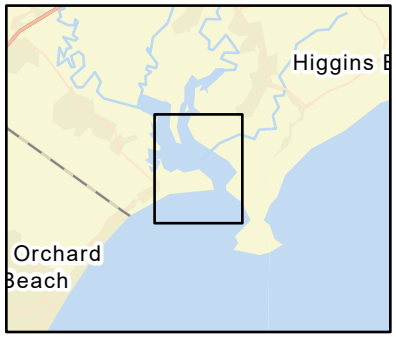
# B-01-2

## Scarborough River - Secondary strategies

## Scarborough, ME

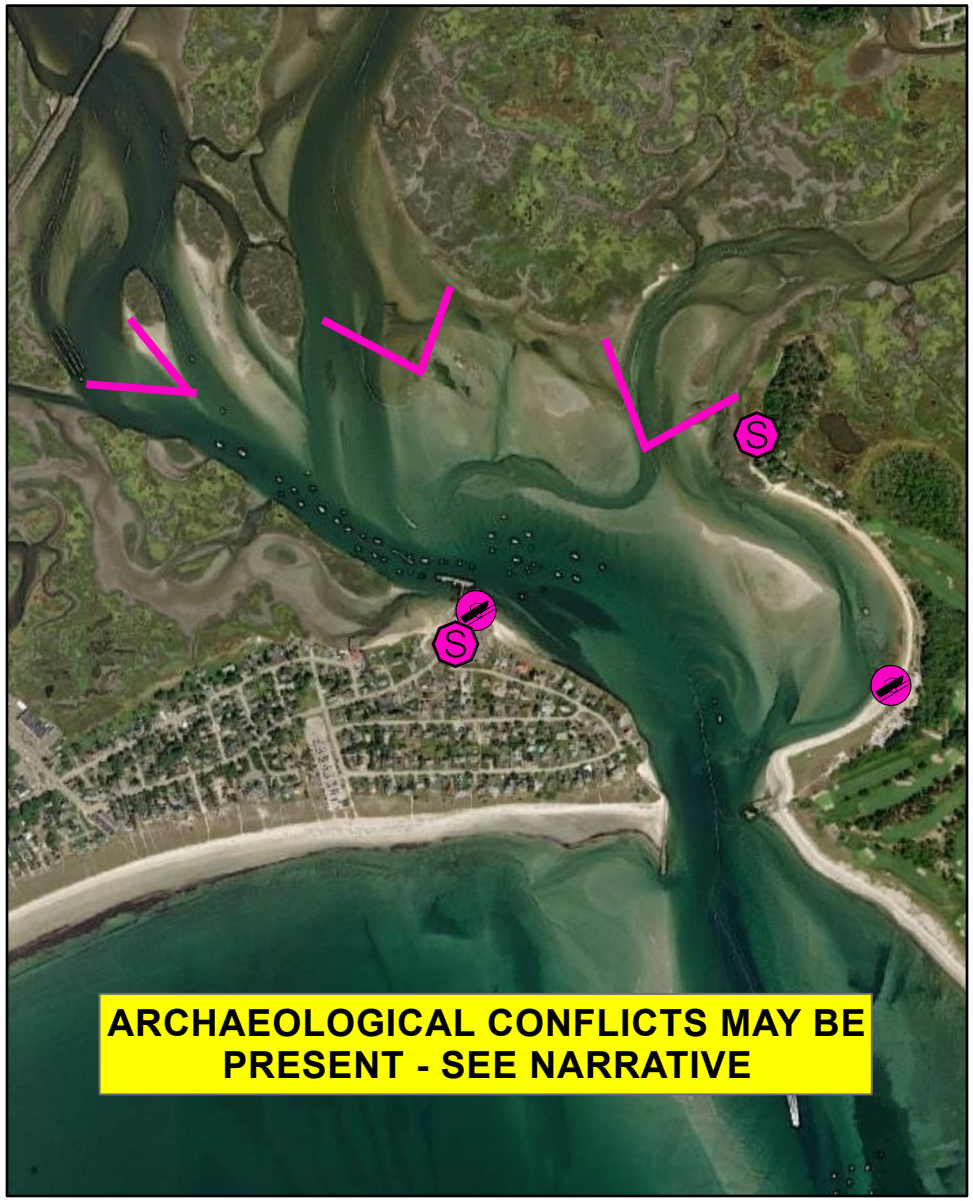
0 1,000 2,000 Feet

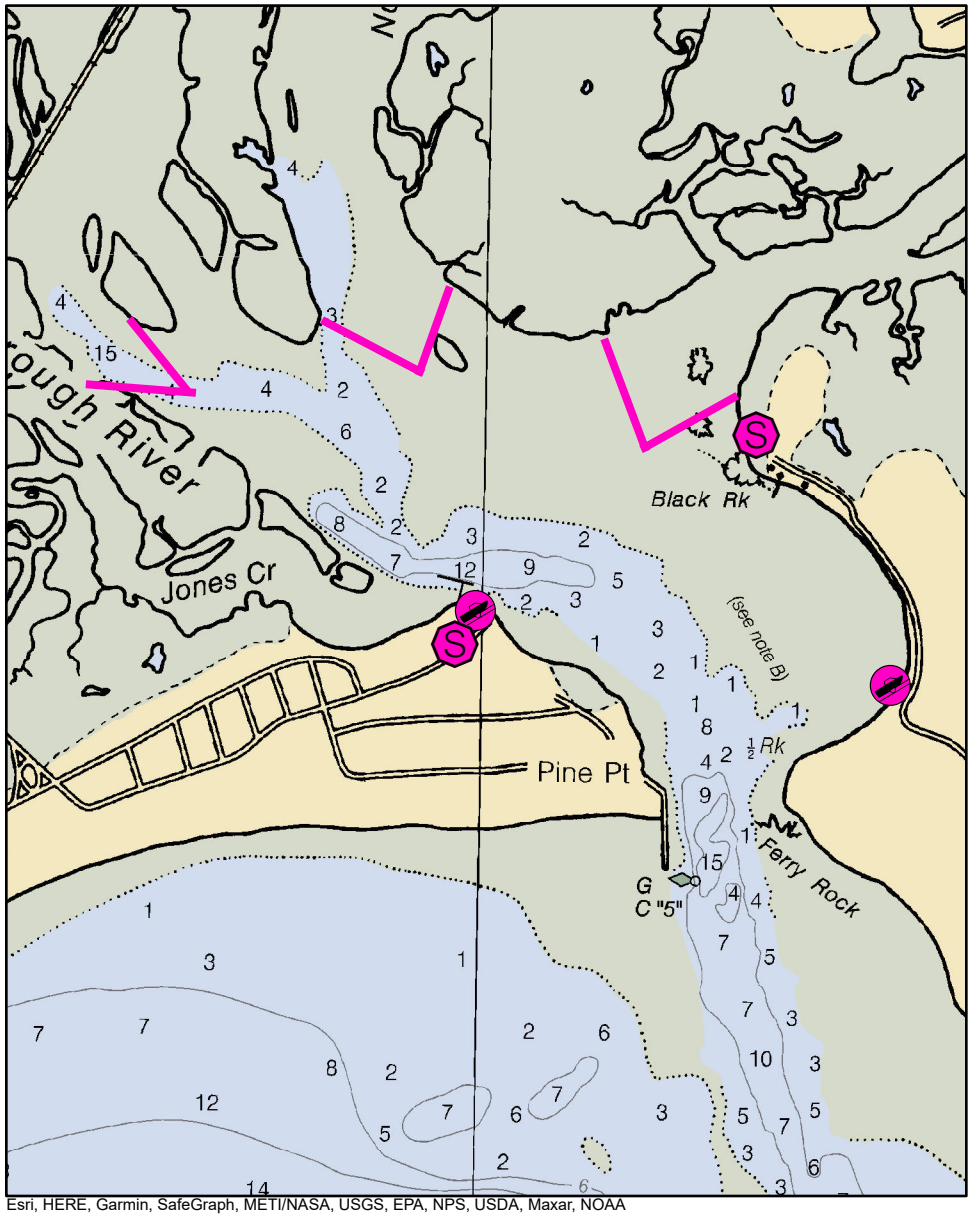
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-01-2 Scarborough River - Secondary strategies

**Town** Scarborough
**Latitude** 43 32.786 **Longitude** -70 20.152
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Casco Bay
**NOAA Chart #** 13287_1
**ESI Map #** 50D
**EVI Map #** 10
**DeLorme Map # (2019)** 3 B3

## Resources At Risk

**ESI Primary Shoreline Type** Salt to brackish marshes (10A)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Scarborough marsh is the largest in the state, and extremely valuable wildlife habitat. The mouth of the river is nesting habitat for endangered piping plovers. Contact Maine Department of Inland Fisheries and Wildlife and U.S. Fish and Wildlife. The river mouth is also wintering habitat for threatened Harlequin Ducks. Scarborough marsh is critical shorebird habitat with extensive shellfish beds and habitat for many species of special concern, including plants. Aquaculture sites. Sturgeon and striped bass.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To exclude oil from upper Scarborough marsh.

**Staging Areas** Public boat launch parking lot at Pine Point (near 94-96 King St, Scarborough); Ferry Beach boat ramp (50 Ferry Rd, Scarborough)

**Site Access** Pine Point: from Rte. 1 Scarborough, take Rte. 9 to launch at Pine Point (Rte. 9/Pine Point Rd. becomes King St.; follow King St. to launch); Ferry Beach ramp: From Rte. 1 Scarborough, take Rte. 207 to Ferry Road; follow Ferry Rd. to launch; possible access by foot from end of Ferry Road in Scarborough. Nearest address: 6 Blackrock Rd., Scarborough.

**Nearest Boat Ramp** Public boat launch at Pine Point (all-tide; near 94-96 King St., Scarborough); Ferry Beach boat ramp (part-tide; 50 Ferry Rd., Scarborough)

**Collection Points** N/A. Exclusion

**Special Instructions** Upon receiving notice of a spill in this area there is a Clapper Valve in the Route 9 culvert at Pine Point Road. This has to be closed. In order to close it the Dept. of Inland Fish & Wildlife has to be called (657-2345) Monday-Friday 8:00 a.m. - 5:00 p.m. or via oil spill biologist at 200-1252 after hours.

No floats at ramps in winter.

**Work Assignment** These are secondary strategies meant to keep product in lower Scarborough River. See B-01-1 for primary strategy. Unknown how achievable these are even at high water but secondary strategies are highly recommended if at all possible. A. Scarborough River: Southeast side of railroad tracks. From Scarborough River bank to nearest Island. Two 600' legs used in apex exclusion form. B. Nonesuch River: Two 700' legs used in apex exclusion form. Bank-to-bank at river's entrance. C. Libby River: Libby River inlet to be protected with two 700' legs of boom in apex exclusion form. If intertidal boom is not available, attempt with available containment boom.

## Recommended Equipment / Resources

**Length of Boom (feet)** 4000 **Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
12 - anchor systems: 22 lb. Fortress or equivalent
2 - workboats
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 11/15/2018 **Last Field Visit** **Last Field Test:**

# B-02-1

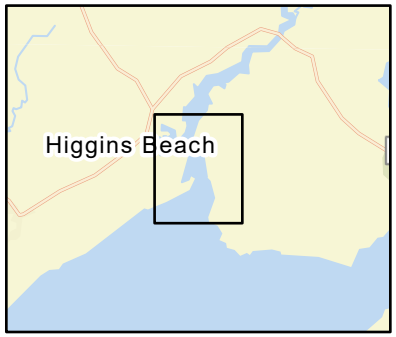
## Spurwink River

## Scarborough / Cape Elizabeth, ME

0 1,000 2,000 Feet

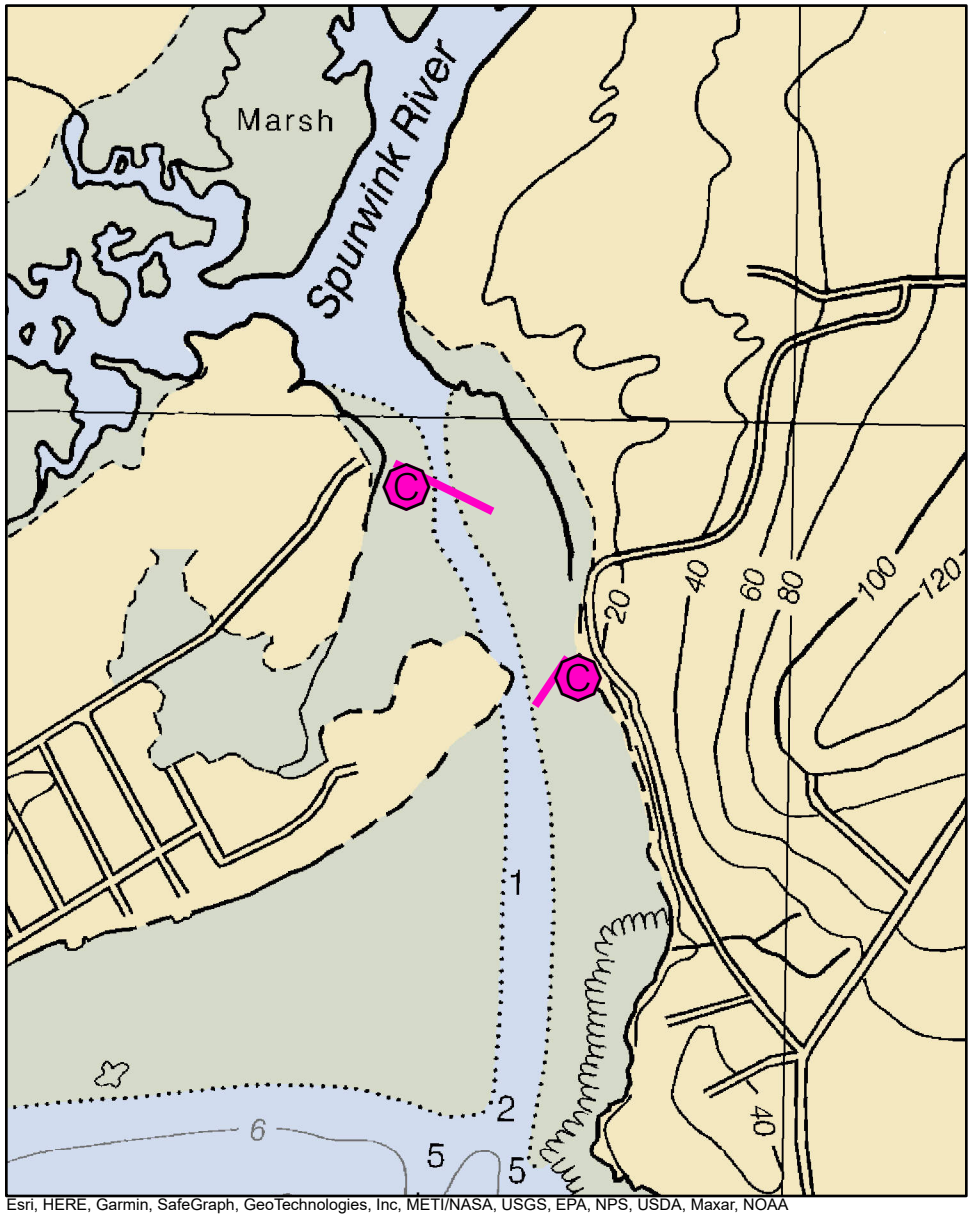
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-02-1 Spurwink River

**Town** Scarborough / Cape Elizabeth
**Latitude** 43° 33.702' N **Longitude** -70° 15.972' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** 1 -2 knots **Ebb**
**Source**

**Port Region** Casco Bay
**NOAA Chart #** 13292_1
**ESI Map #** 50D
**EVI Map #** 11
**DeLorme Map # (2019)** 3 B4

## Resources At Risk

**ESI Primary Shoreline Type** Salt to brackish marshes (10A)
**ESI Secondary Shoreline Type** Fine to medium-grained sand beach (3A)

**Environmental Concerns** Piping plover nesting area at river mouth. Harlequin duck wintering area near mouth. Extensive salt marshes upriver. Shorebird habitat, diadromous fish run, shellfish beds

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** Deflect oil from upper Spurwink River

**Staging Areas** Kettle Cove, Cape Elizabeth. Parking area at Crescent Beach State Park

**Site Access** East side: 21 Lower Road, Cape Elizabeth
West side: 17 Harmons Island

**Nearest Boat Ramp** Kettle Cove, Ocean House Road, Cape Elizabeth. Exposed transit around Richmond Island. Consider trailering boom to site access areas.

**Collection Points** Western end of Higgins Beach, possibly from Harmons Is Road, Scarborough

**Special Instructions** Shallow water and surf conditions

**Work Assignment** Deploy 250' of boom from Higgins Beach to Lower Road in Cape Elizabeth. Secondary strategy: deploy 450' of boom from Harmons Is Road across channel.

Nearest addresses: 21 Lower Road, Cape Elizabeth, 17 Harmons Island Rd, Scarborough

## Recommended Equipment / Resources

**Length of Boom (feet)** Primary: 250, Secondary 450'

**Type of Boom** 12: - 18" containment boom

**Recommended Equipment (Minimum)**
2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
1 - workboats with minimum 90 hp
1 - boat operators
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 11/15/2018 **Last Field Visit** **Last Field Test:**

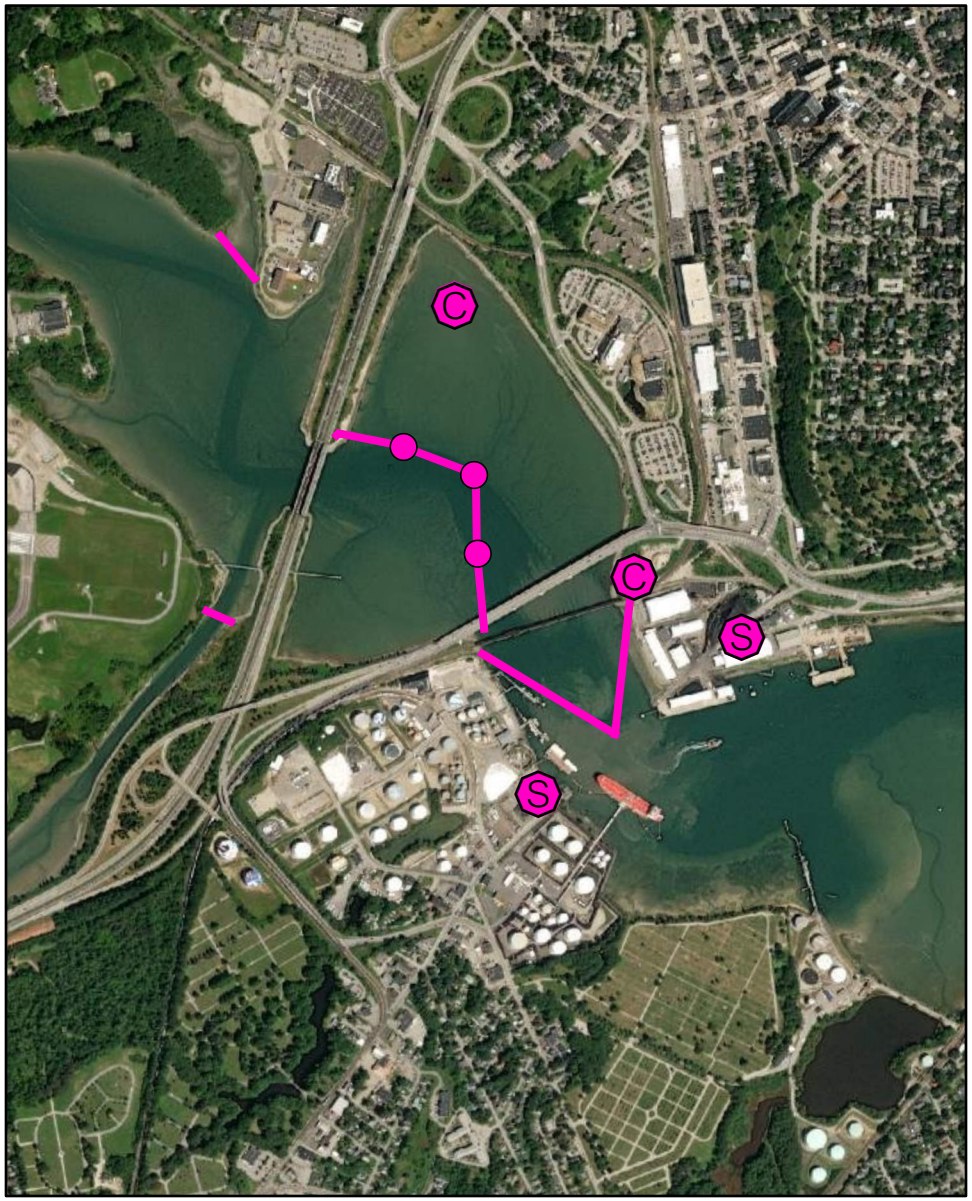
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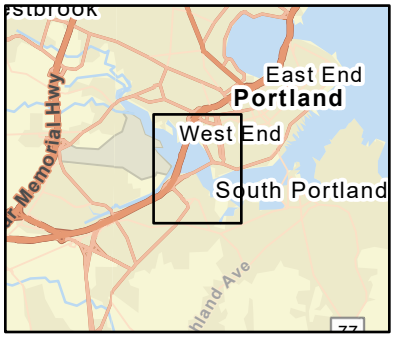
## Fore River

## Portland / South Portland, ME

0 1,870 3,740 Feet

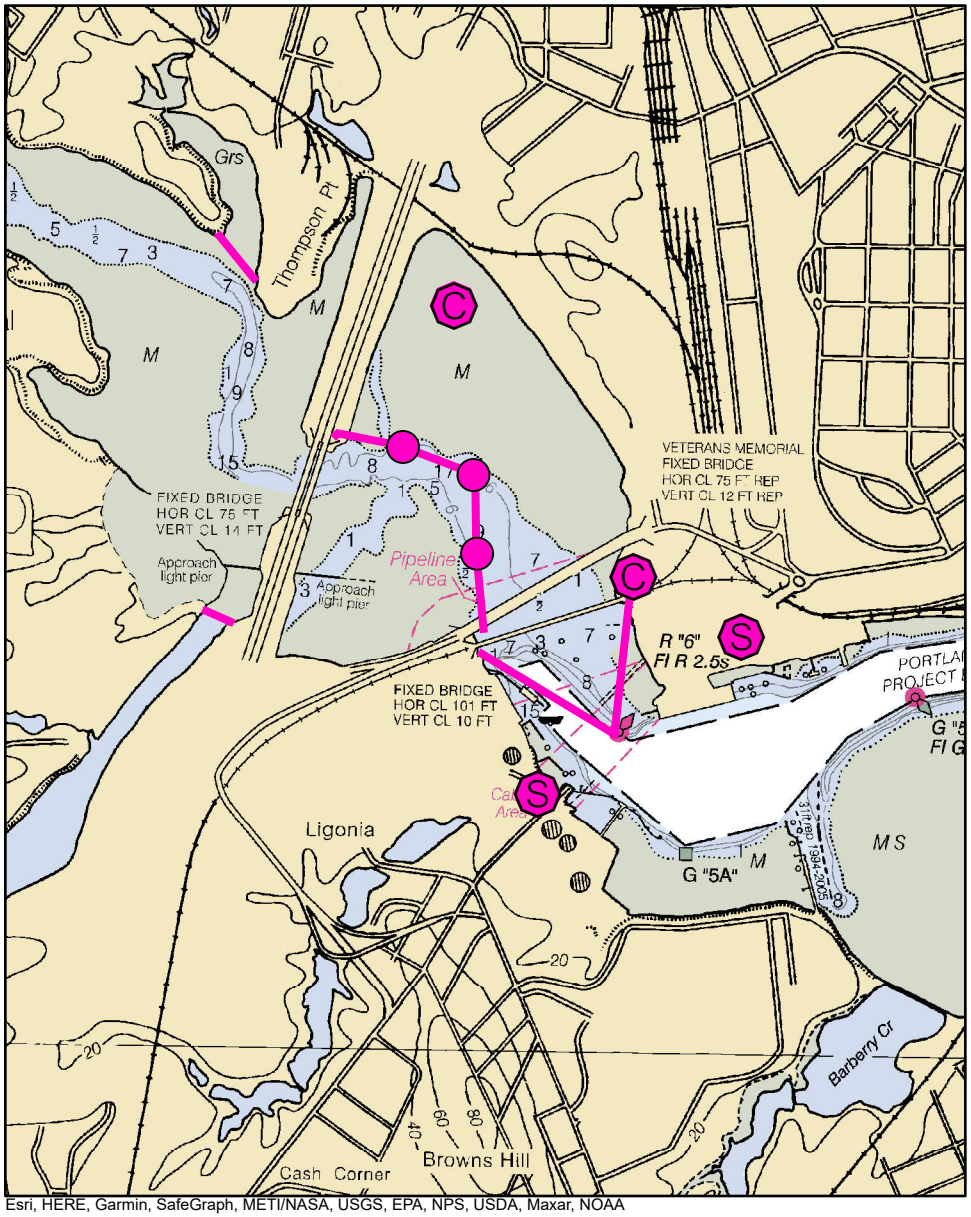
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-03-1 Fore River

**Town** South Portland / Portland
**Latitude** 43° 38.633' N **Longitude** -70° 17.191' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** 1.1 **Ebb**
**Source** Measured

**Port Region** Casco Bay
**NOAA Chart #** 13292_1
**ESI Map #** 50B
**EVI Map #** 12, 11
**DeLorme Map # (2019)** 3 A4

## Resources At Risk

**ESI Primary Shoreline Type** Riprap (6B)
**ESI Secondary Shoreline Type** Vegetated low banks (9B)

**Environmental Concerns** High value shorebird habitat. Diadromous fish. Upper Stroudwater has sensitive habitat and salt marsh.

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To divert oil from upper Fore and Stroudwater Rivers

**Staging Areas** Sprague Energy Terminal (both sides of river). Boom for 2,400 foot section between bridges and permanent moorings is in a trailer at the Sprague Terminal on the South Portland side of the river.

**Site Access** Same as staging areas. Sprague Energy Terminal on South Portland side is at 27 Main Street. Portland side is 92 Cassidy Point Drive.

**Nearest Boat Ramp** City of South Portland boat ramp, Bug Light Park, Madison St., South Portland

**Collection Points** Sprague Energy oil terminal dock on South Portland side; natural collection area between Veteran's Memorial Bridge and railroad trestle on Portland side. Area is used for snow dump by City of Portland.

**Special Instructions** Small channel and exposed flats at low tide. Low bridge clearance at the Veterans Memorial Bridge at high tide.

**Work Assignment** Approx. 800' of boom extending from the west side of the Veterans Memorial Bridge southeast toward the center of the channel. Approx. 800' of boom extending from Sprague Energy Portland Terminal boat ramp area south/southeast to the middle of the channel to form an overlapping apex configuration with the other boom section. Deploy 2,400' of boom in four 600' sections from the 295 bridge to Veteran's Memorial Bridge to direct oil toward collection area east of the boom. Secure upriver section between northern shore of 295 bridge & upper permanent mooring. Secure 2nd section between upper & middle permanent mooring buoys. Secure 3rd section between middle & lower permanent mooring buoys. Secure down river section between lower permanent mooring buoy & western most abutment of Veteran's Memorial Bridge. Deploy 450' of boom across entrance of Thompson Point Marsh. Deploy 250' of boom across entrance to Long Creek.

## Recommended Equipment / Resources

**Length of Boom (feet)** 4700

**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**

Boom for use between permanent moorings is stored in trailer at Sprague Energy Terminal, South Portland

1 - anchor system: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
4 - shoreside connections
1 - 2 vacuum trucks or skimmers and storage

2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 11/15/2018 **Last Field Visit** **Last Field Test:** 6/7/2017

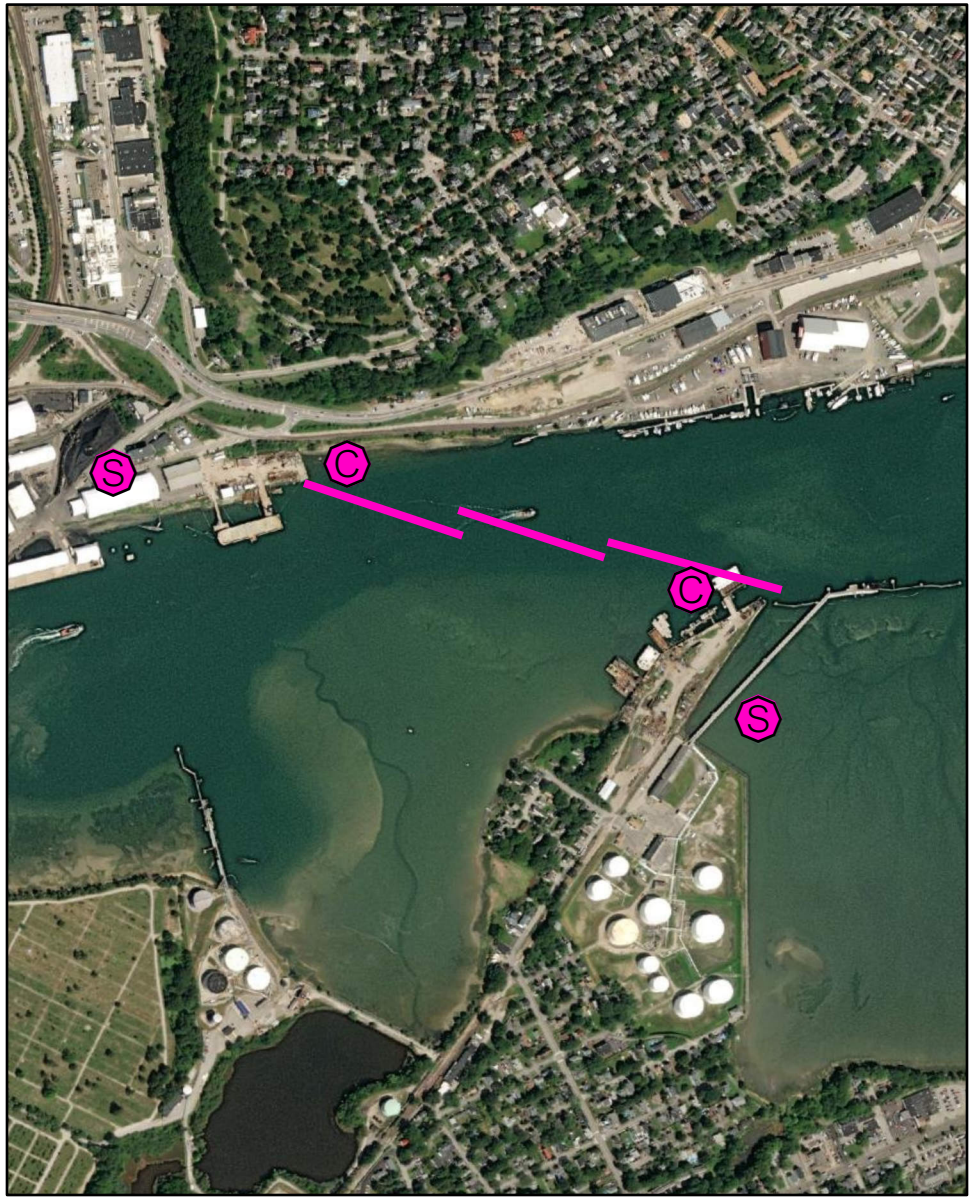
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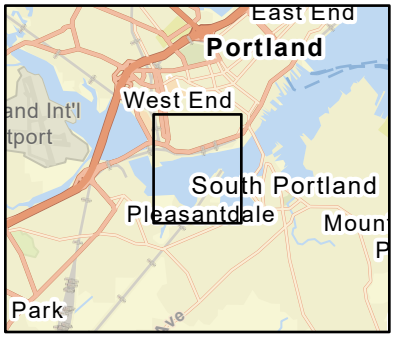
## Fore River at Turners Island

## Portland / South Portland, ME

0 1,000 2,000 Feet

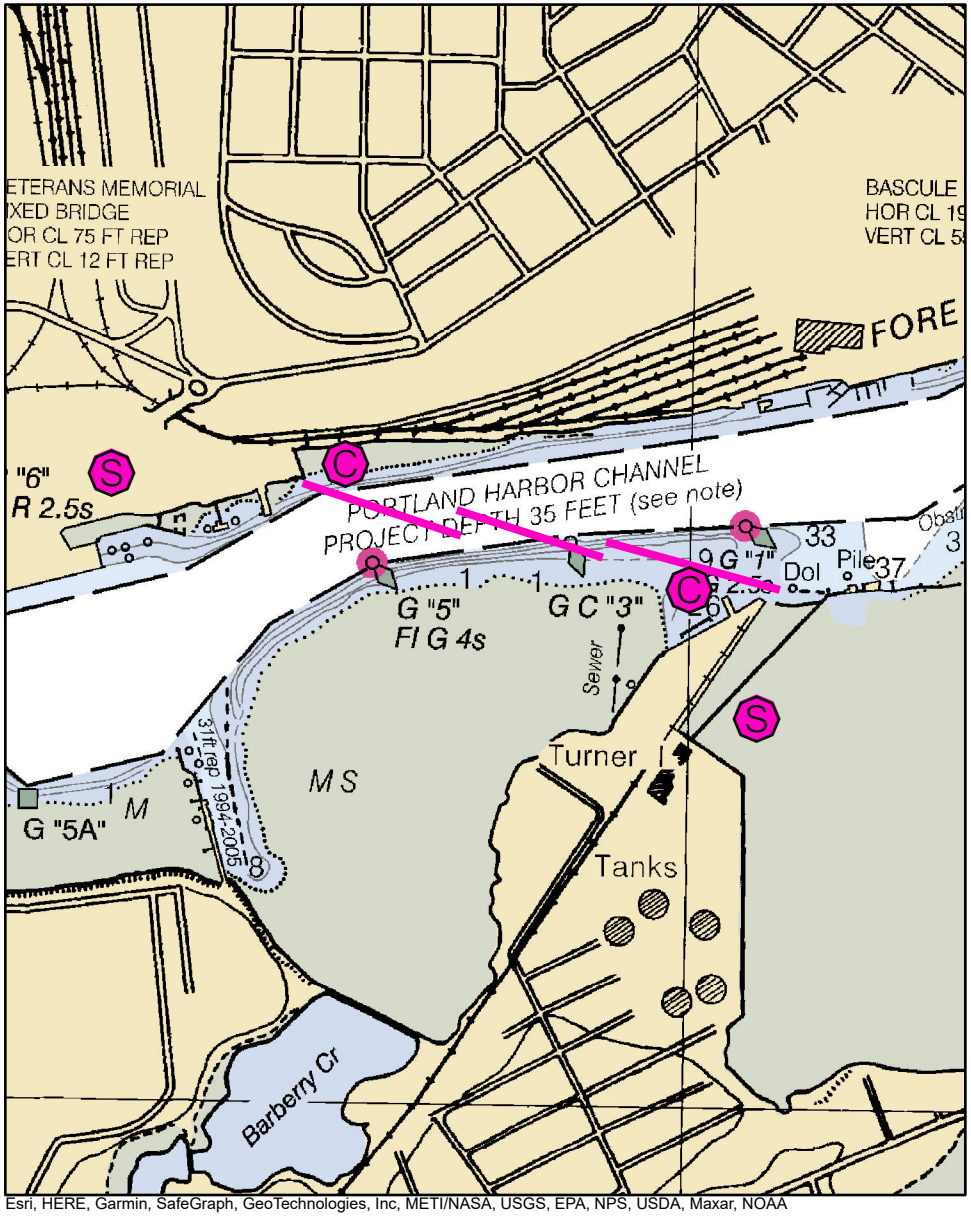
**Date printed: 9/11/2022 6:56 AM**




**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-03-2 Fore River at Turners Island

**Town** Portland / South Portland
**Latitude** 43° 38.501 N **Longitude** 70° 16.203 W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** 0.3 **Ebb** 0.7 kts
**Source** Measured

**Port Region** Casco Bay
**NOAA Chart #** 13292_1
**ESI Map #** 50B
**EVI Map #** 12, 11
**DeLorme Map # (2019)** 3 A4

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered, solid man-made structures (8B)
**ESI Secondary Shoreline Type** Vegetated low banks (9B)

**Environmental Concerns** Mudflats, shorebird areas and diadromous fish runs. Saltmarsh in upper portion of river, Thompson Point and Long Creek.

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To exclude oil from upper Fore and Stroudwater rivers.

**Staging Areas** Sprague Energy facility, Turners Island LLC or Clean Harbors yard

**Site Access** Same as staging areas

**Nearest Boat Ramp** City of South Portland boat ramp at Bug Light, Madison Street. DEP & Clean Harbors boats docked at Sprague Energy

**Collection Points** Turners Island LLC facility or Cianbro facility

**Special Instructions**

**Work Assignment** Use three 700 foot lengths of boom to span channel between Turners Island in South Portland and Cianbro facility at Cassidy Point Road in Portland. Strategy should work for ebb or flood.

## Recommended Equipment / Resources

**Length of Boom (feet)** 2100
**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 11/15/2018 **Last Field Visit** 6/8/2011 **Last Field Test:** 6/8/2011

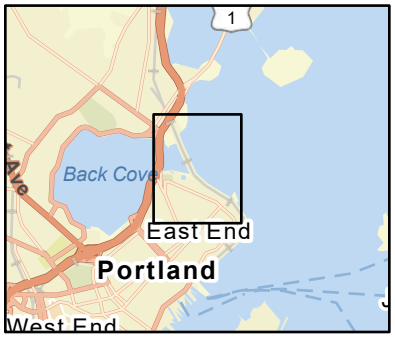
# B-04-1

## Back Cove

## Portland, ME

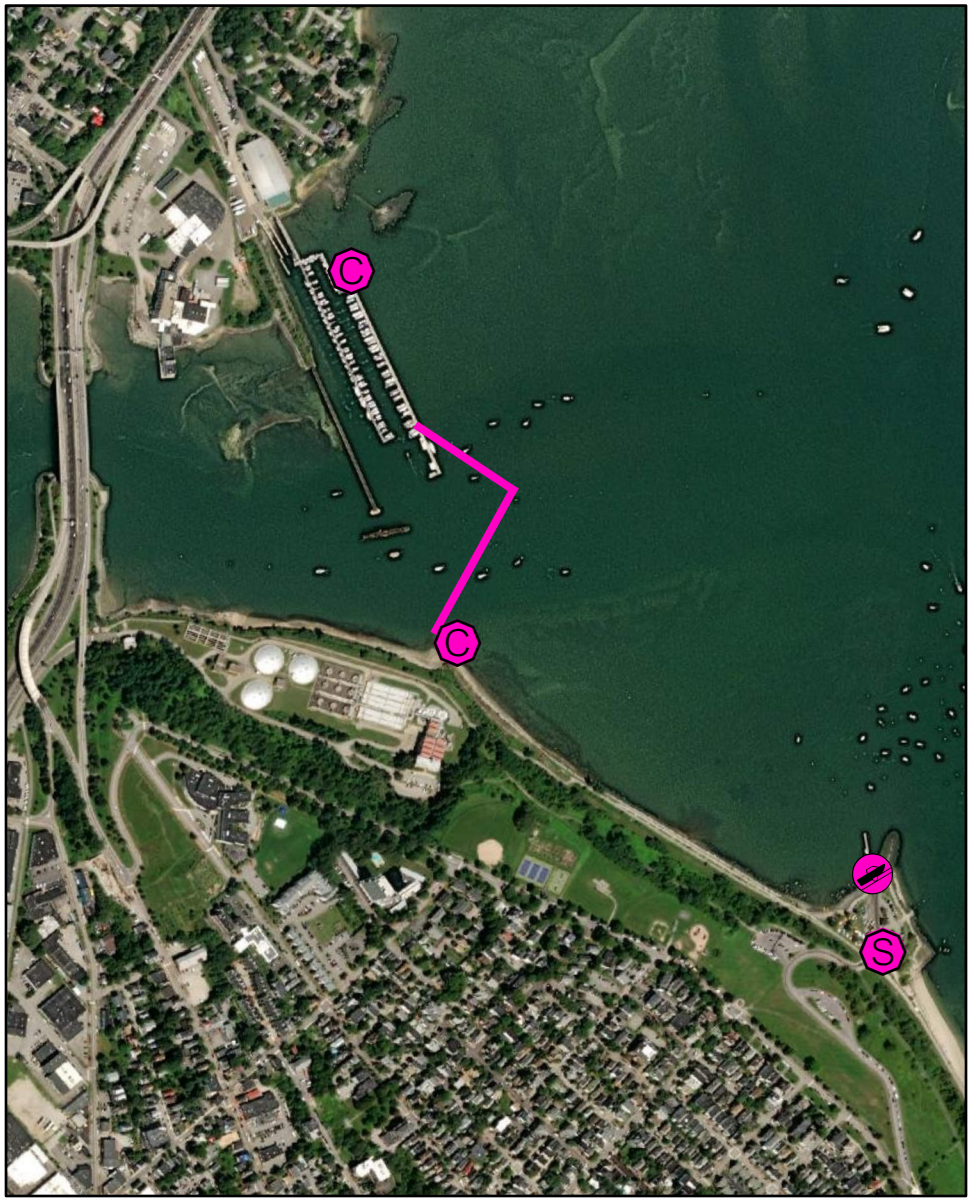
0 1,000 2,000 Feet

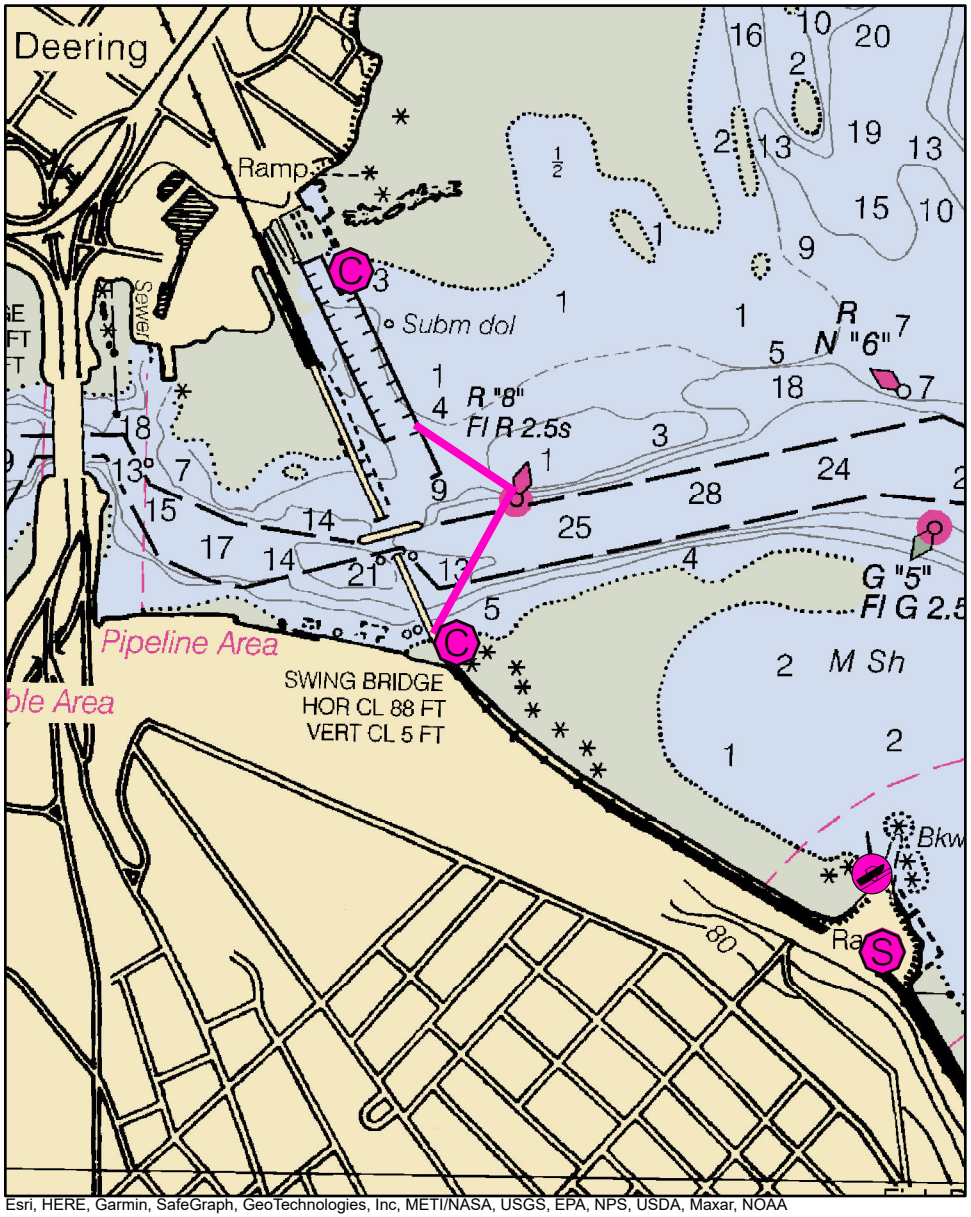
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-04-1 Back Cove

**Town** Portland

**Latitude** 43° 40.537' N **Longitude** 70° 14.918' W

**Approx. Tidal Range (feet)** 9

**Max Current (knots)** **Flood** 0.7 **Ebb**

**Source** Measured

**Port Region** Casco Bay

**NOAA Chart #** 13292_1

**ESI Map #** 50B, 50A

**EVI Map #** 12

**DeLorme Map # (2019)** 5 E4

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered, solid man-made structures (8B)

**ESI Secondary Shoreline Type** Vegetated low banks (9B)

**Environmental Concerns** Highly vulnerable shorebird habitat and mudflats in Back Cove

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To divert oil from Back Cove

**Staging Areas** East End Beach, 145 Cutter Street

**Site Access** Launch boats and boom from East End Beach boat ramp. Collection from Maine Yacht Center (100 Kensington St.) and/or trail adjacent to railroad bridge (vehicle access possible when bollards at trail parking lot at East End Beach are removed)

**Nearest Boat Ramp** .25 miles - East End Beach

**Collection Points** Maine Yacht Center and/or trail from East End Beach parking lot. Vehicle can access trail once bollards are removed at East End.

**Special Instructions** Contact the City of Portland Parks & Recreation Dept. for permission to use East End Beach and ramp area. 756-8275

**Work Assignment** Use two 500' lengths of boom to close off Back Cove entrance. First piece from vicinity of Red Nun #8 southwesterly to shore adjacent to railroad bridge. Second piece from vicinity of Red Nun #8 northwesterly to Maine Yacht Center dock. Dock has a 14" cement skirt underneath that will act as boom.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1400

**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**

1 - anchor system: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
1 - workboats with minimum 90 hp
1 - boat operators
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 11/15/2018 **Last Field Visit** 9/29/2011 **Last Field Test:** 9/29/2011

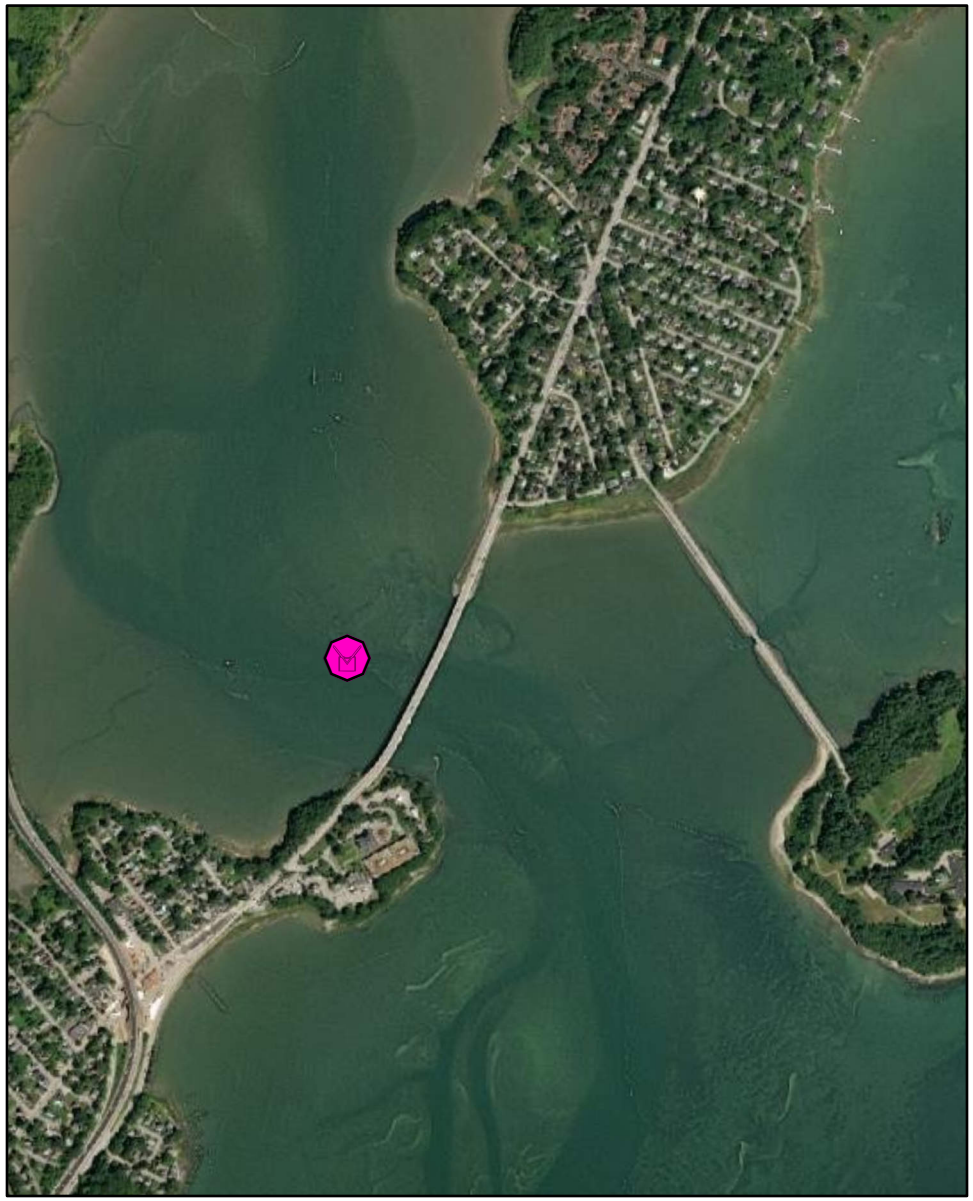
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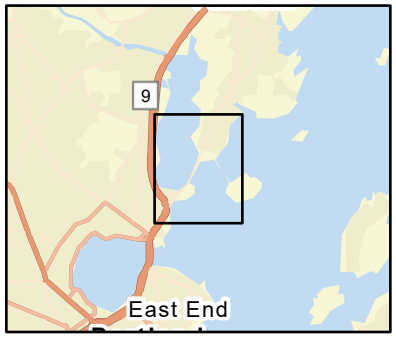
## Presumpscot River

## Portland / Falmouth, ME

0 1,000 2,000 Feet

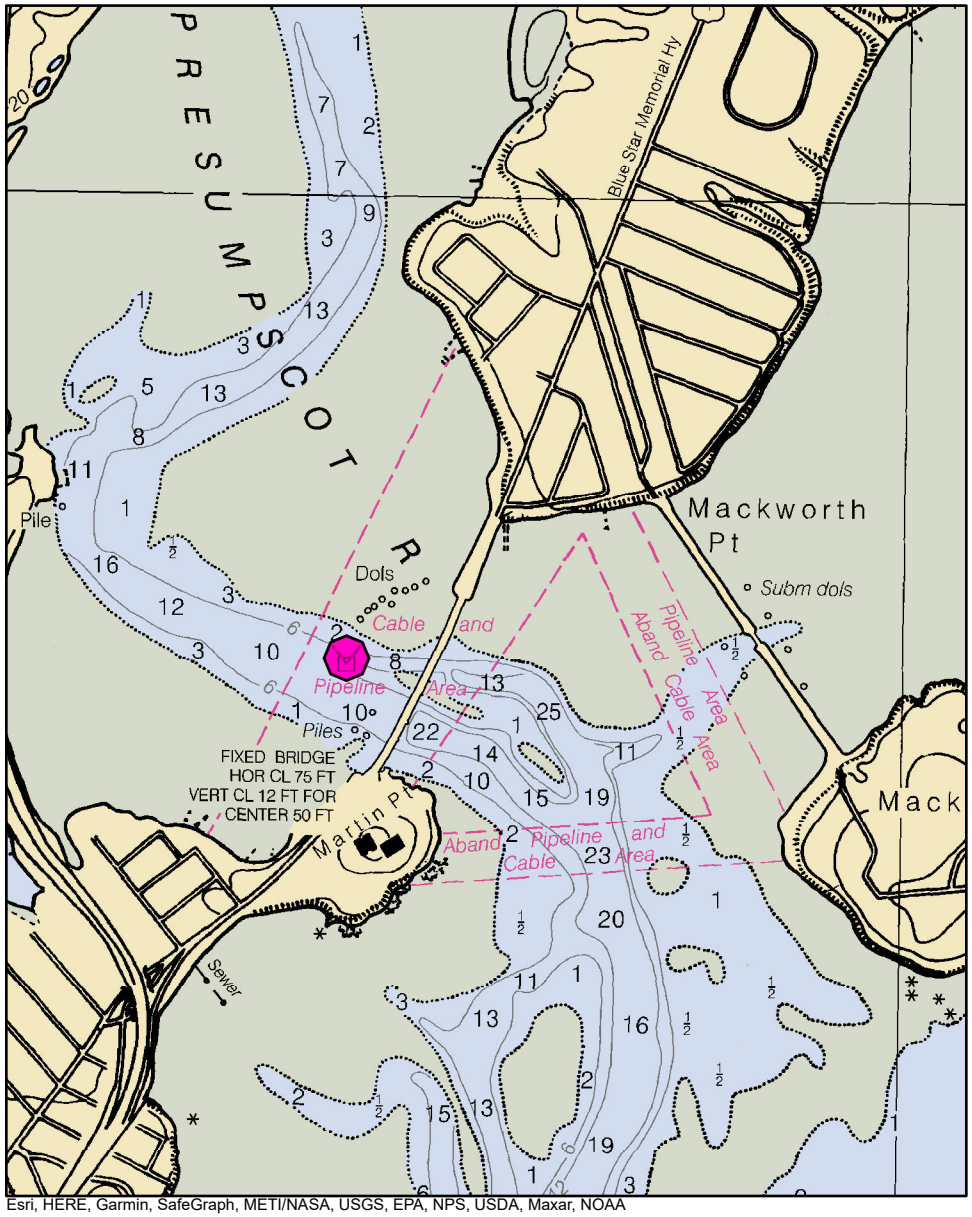
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-05-1 Presumpscot River

**Town** Portland / Falmouth

**Latitude** **Longitude**

**Approx. Tidal Range (feet)** 9

**Max Current (knots)** **Flood** > 2 knots **Ebb**

**Source**

**Port Region** Casco Bay

**NOAA Chart #** 13292_1

**ESI Map #** 48B, 50A, 50B

**EVI Map #** 12

**DeLorme Map # (2019)** 5 E5

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered tidal flats (9A)

**ESI Secondary Shoreline Type** Salt- and brackish-water marshes (10A)

**Environmental Concerns** Large shorebird area, shellfish beds (seed harvested), diadromous fish runs, Least Bittern (endangered)

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To divert oil from upper Presumpscot River

**Staging Areas** East End Beach boat launch, Martin's Point (parking lot)

**Site Access** East End Beach, Martin's Point parking lot.

Nearest address: 59 Veranda St., Portland

**Nearest Boat Ramp** East End Beach boat ramp, 145 Cutter Street, Portland

**Collection Points** Mid-channel upstream of Route 1 bridge

**Special Instructions** Very shallow water and exposed mussel beds and clam flats at low tide. No navigational aids, channel difficult to find at certain tides. Booming has been unsuccessfully attempted many times east of the Route 1 bridge.

**Work Assignment** Deploy JBF skimmers or use open water skimming to collect oil from convergence zone mid-channel upstream of the Route 1 bridge.

## Recommended Equipment / Resources

**Length of Boom (feet)** **Type of Boom**

**Recommended Equipment (Minimum)**
JBF Skimmers or other vessel mounted skimmers.
Boom to direct oil to skimmer
Storage for recovered oil

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 11/15/2018 **Last Field Visit** 6/29/2022 **Last Field Test:**

# B-06-1

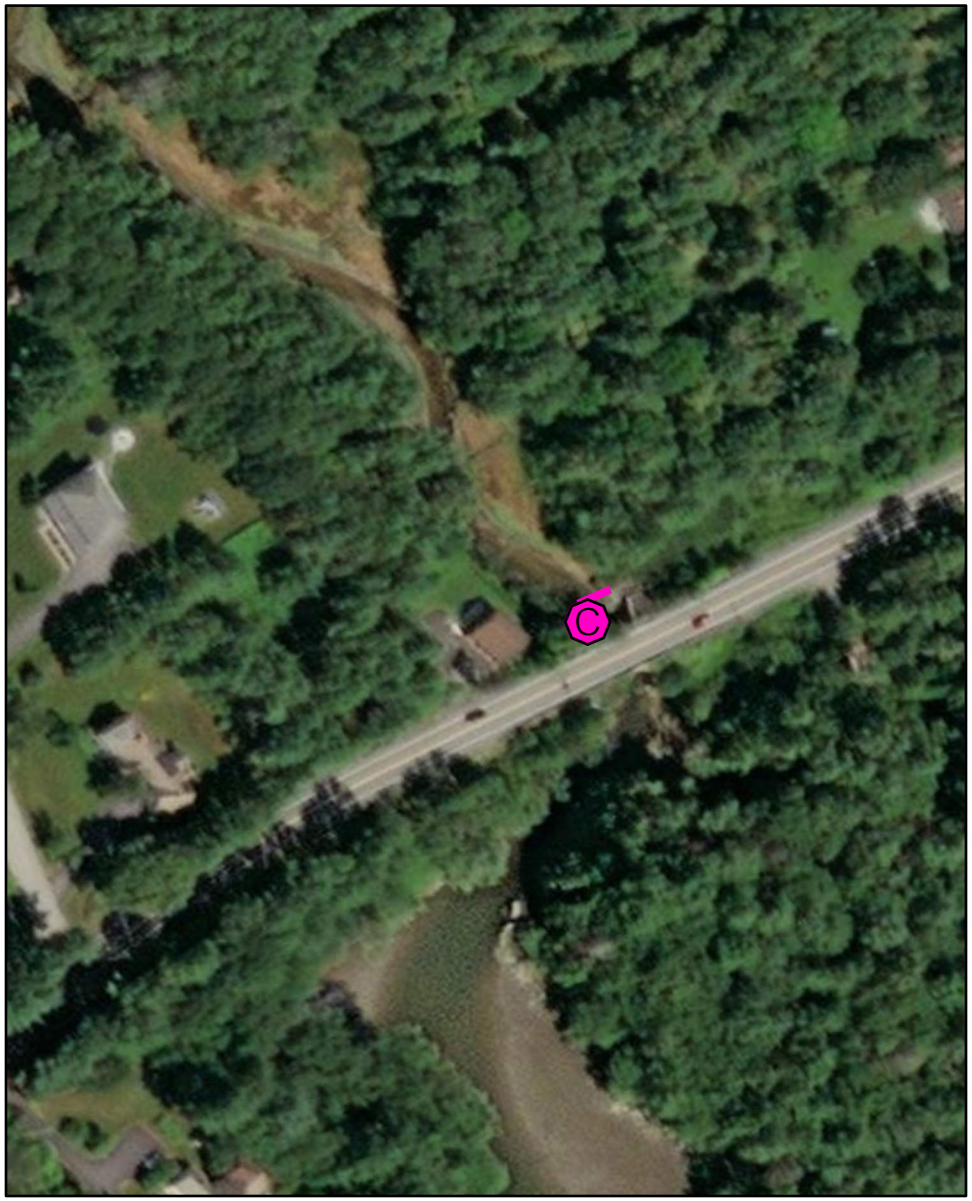
## Mill Creek / Mussel Cove

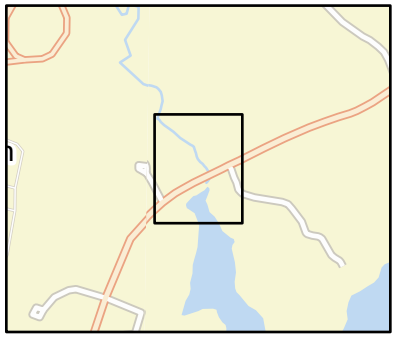
## Falmouth, ME

0 200 400 Feet

N W E S

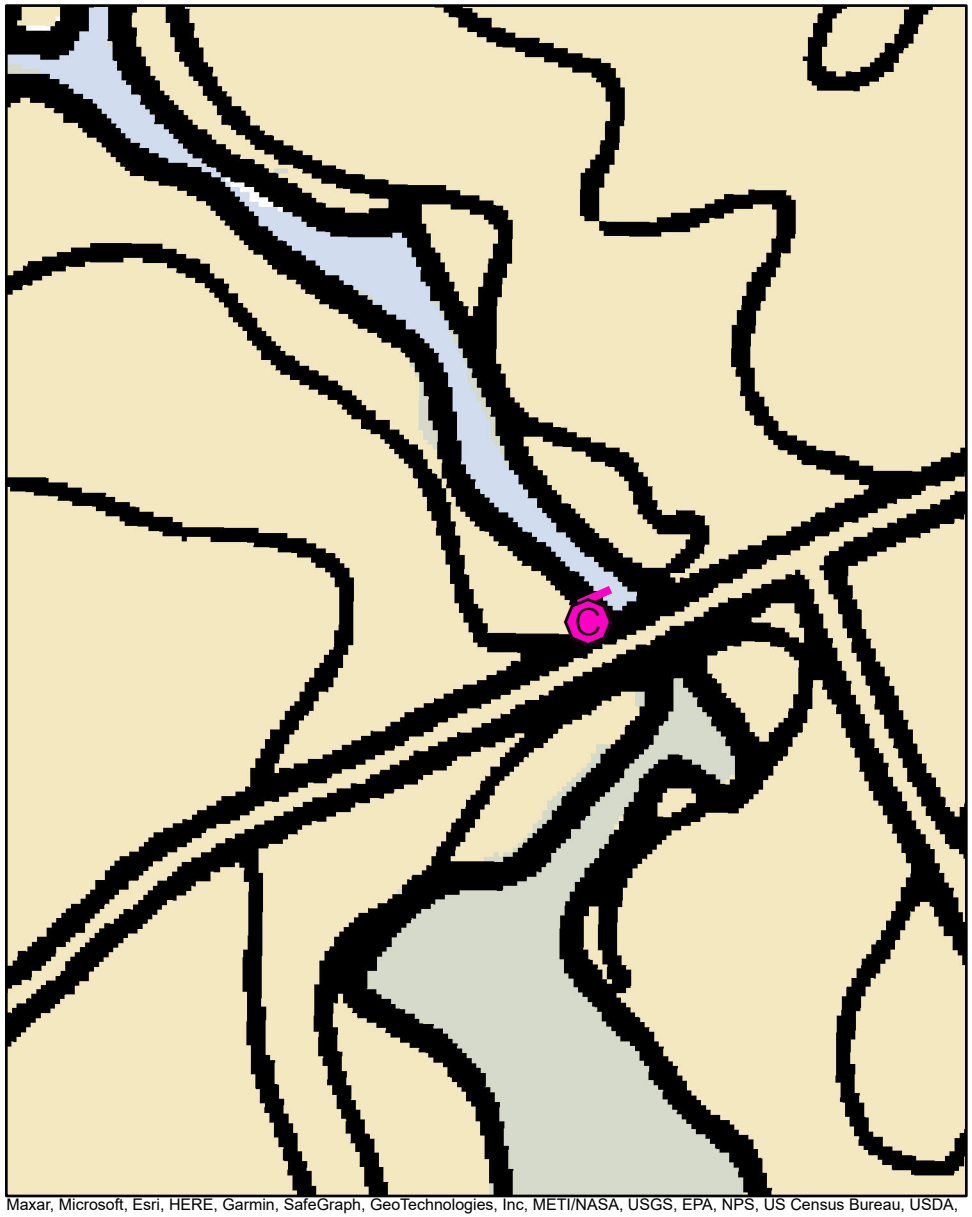
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck



Maxar, Microsoft, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, NOAA

# B-06-1 Mill Creek / Mussel Cove

**Town** Falmouth
**Latitude** 43° 43.511' N **Longitude** -70° 13.348' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Casco Bay
**NOAA Chart #** 13292_1
**ESI Map #** 48B
**EVI Map #** 12
**DeLorme Map # (2019)** 5 E5

## Resources At Risk

**ESI Primary Shoreline Type** Vegetated low banks (9B)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Salt marsh upstream of culvert

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To divert oil from salt marsh upriver of Route 88

**Staging Areas** Route 88, Falmouth

**Site Access** From Route 88, Foreside Road

Nearest address: 144 Foreside Road, Falmouth

**Nearest Boat Ramp** N/A

**Collection Points** From road adjacent to bridge

**Special Instructions**

**Work Assignment** Deploy 250' of harbor boom across stream at culvert

## Recommended Equipment / Resources

**Length of Boom (feet)** 250

**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
1 - vehicle with boom
2 - shoreside connections
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 11/15/2018 **Last Field Visit** **Last Field Test:**

# B-07-1

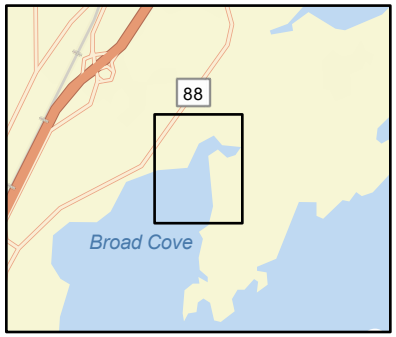
## Broad Cove

## Cumberland / Yarmouth, ME

0 725 1,450 Feet

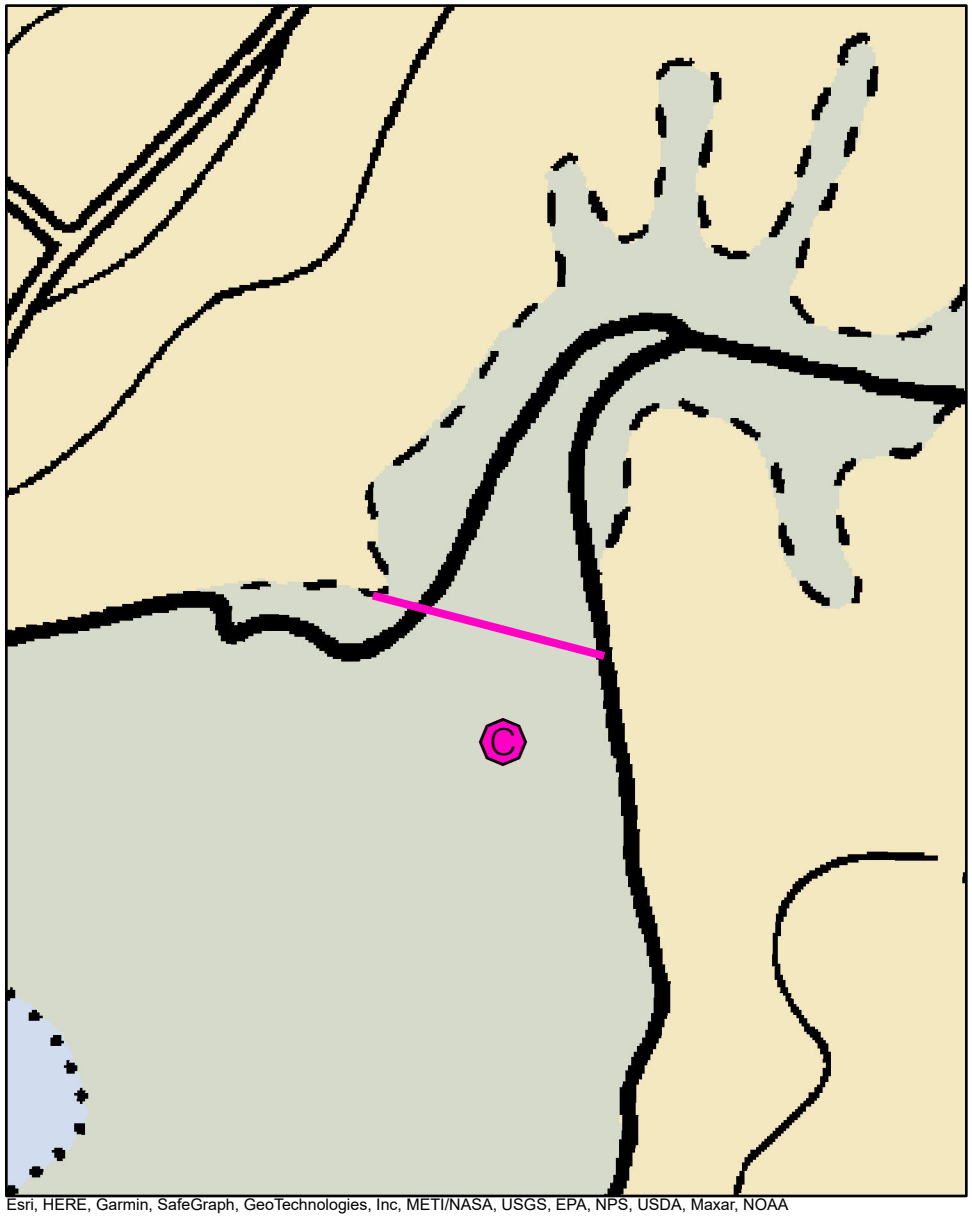
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck



Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-07-1 Broad Cove

**Town** Cumberland / Yarmouth
**Latitude** 43 45.323 N **Longitude** 70 11.044 W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** < 1 knot **Ebb**
**Source** estimated

**Port Region** Casco Bay
**NOAA Chart #** 13290_1
**ESI Map #** 47D, 48B
**EVI Map #** 13, 12
**DeLorme Map # (2019)** 5 D5

## Resources At Risk

**ESI Primary Shoreline Type** Salt to brackish marshes (10A)
**ESI Secondary Shoreline Type** Vegetated low banks (9B)

**Environmental Concerns** Roseate tern historical nesting area (state and federal endangered species) just outside cove at "The Nubbin" . Contact Maine Dept. of Inland Fisheries and Wildlife: 877-645-2473. Upper Broad Cove also has salt marsh, tidal flats, shellfish areas, shorebird habitat, marine worms and eelgrass. Inshore is important horseshoe crab breeding area in early - mid summer

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To divert / exclude oil from upper Broad Cove

**Staging Areas** Falmouth Town Landing Boat Ramp. Sunset Point, old boat ramp at high tide (end of Sunset Point Road, Yarmouth).

**Site Access** Falmouth Town Landing Boat Ramp or Sunset Point, old boat ramp at high tide (end of Sunset Point Road, Yarmouth).

**Nearest Boat Ramp** 1 -2 Miles - Falmouth Town Landing Boat Ramp, Town Landing Road, Falmouth

**Collection Points** On water recovery if possible

**Special Instructions** Will need to be done at high water. Horseshoe crab breeding area May - July

**Work Assignment** Deploy 800 feet of containment boom as close as possible to upper area of cove as shown. If resources allow, place boom to protect inshore area, especially in early to mid-summer.

## Recommended Equipment / Resources

**Length of Boom (feet)** 800
**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
2 - shoreside connections
1 - on water skimming system
1 - workboat with minimum 90 hp
1 - boat operators
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 8/27/2010 **Last Field Test:**

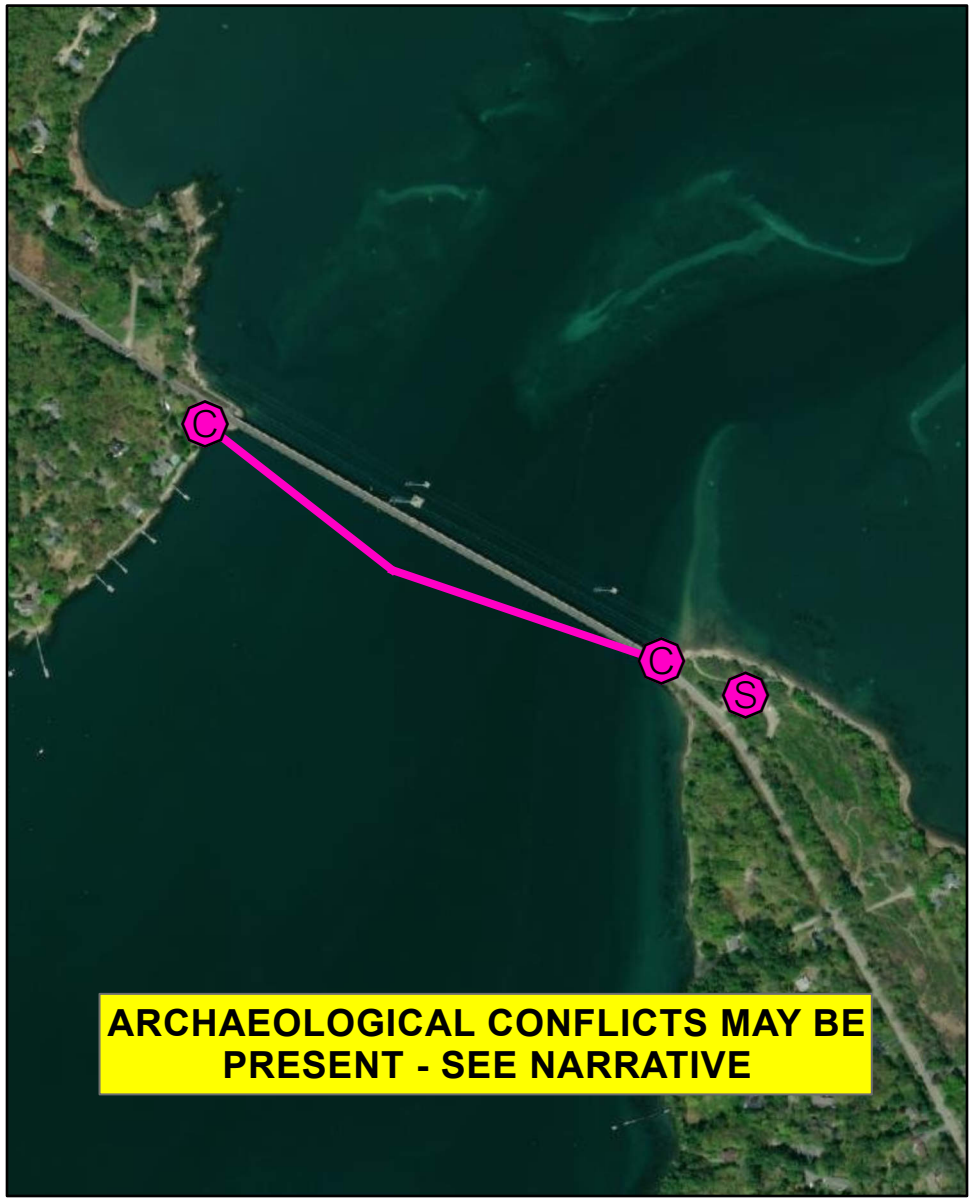
# B-08-1

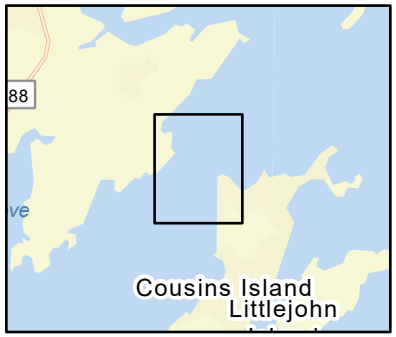
## Cousins Island Causeway

## Yarmouth, ME

0 925 1,850 Feet

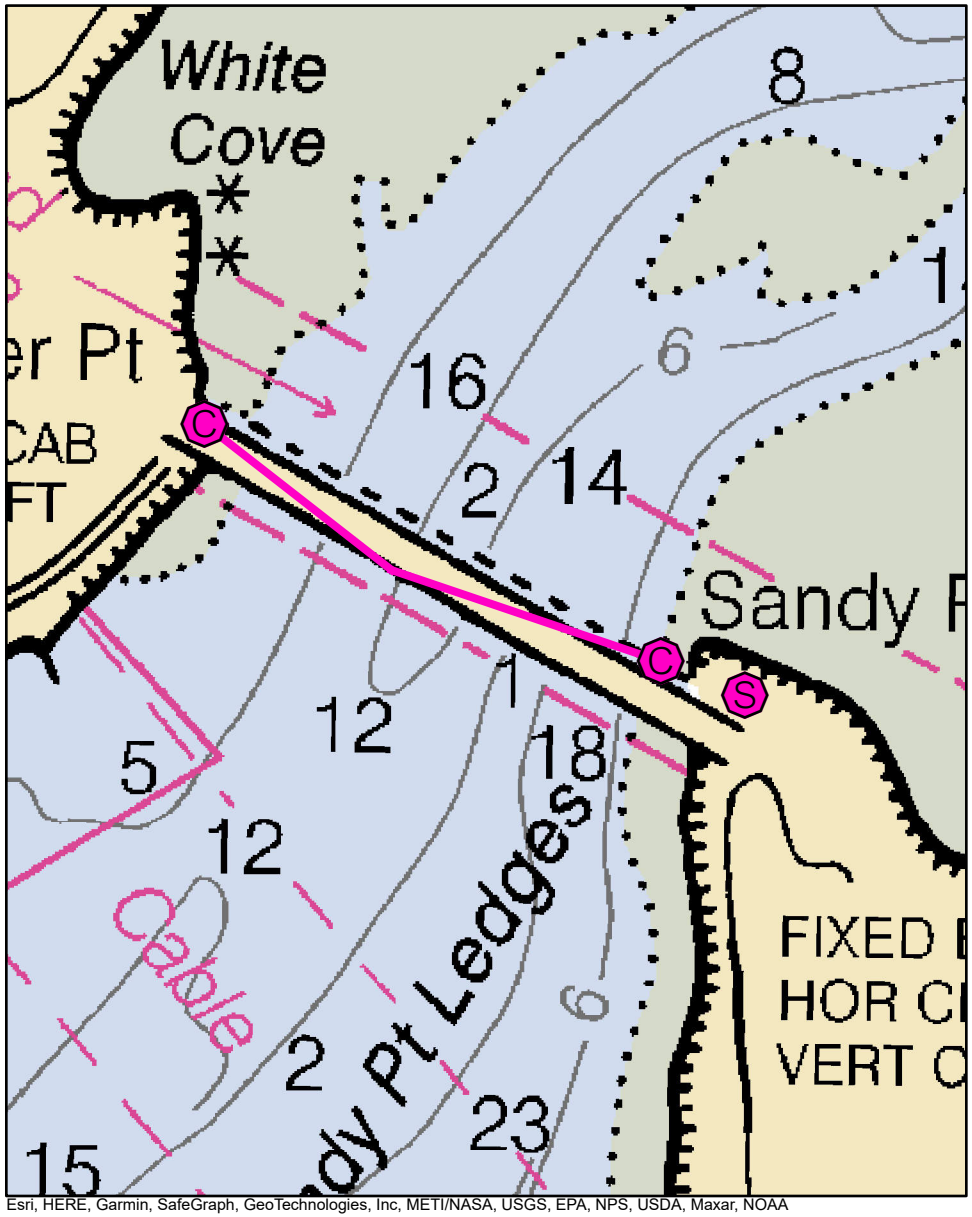
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-08-1 Cousins Island Causeway

**Town** Yarmouth
**Latitude** 43° 46.466' N **Longitude** -70° 9.015' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** < 1 kt **Ebb** < 1 kt
**Source** Measured

**Port Region** Casco Bay
**NOAA Chart #** 13290_1
**ESI Map #** 47D
**EVI Map #** 13
**DeLorme Map # (2019)** 6 D1

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)
**ESI Secondary Shoreline Type** Riprap (6B)

**Environmental Concerns** Eelgrass, horseshoe crab and waterfowl habitat on mainland side

**Archaeological Conflicts** Utilize existing ROW development on Sandy Point and Drinkwater Point as much as possible. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To prevent oil from moving north under the bridge on flood tide. Divert oil to either side of bridge for collection.

**Staging Areas** Sandy Point and NextEra Energy Wyman Station, Cousins Island

**Site Access** NextEra Energy Wyman Station (Commercially owned). Sandy Point (public access) Drinkwater Point (residential shore)

**Nearest Boat Ramp** Ramp at Wyman Station. 4 miles - Falmouth Town Landing

**Collection Points** Drinkwater Point and Sandy Point - west side of Cousins Island Bridge

**Special Instructions** Current is minimal

**Work Assignment** Deploy two 1,000 foot sections of boom in an apex formation in front of the bridge.

## Recommended Equipment / Resources

**Length of Boom (feet)** 2000
**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 1/9/2018 **Last Field Visit** **Last Field Test:**

# B-09-1

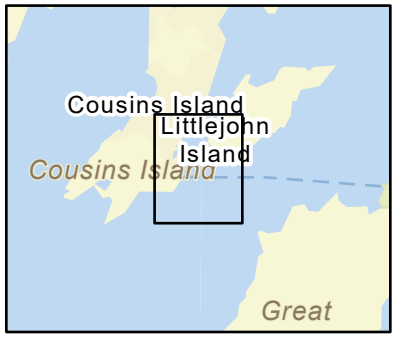
## Cousins & Little John Islands

## Yarmouth, ME

0 925 1,850 Feet

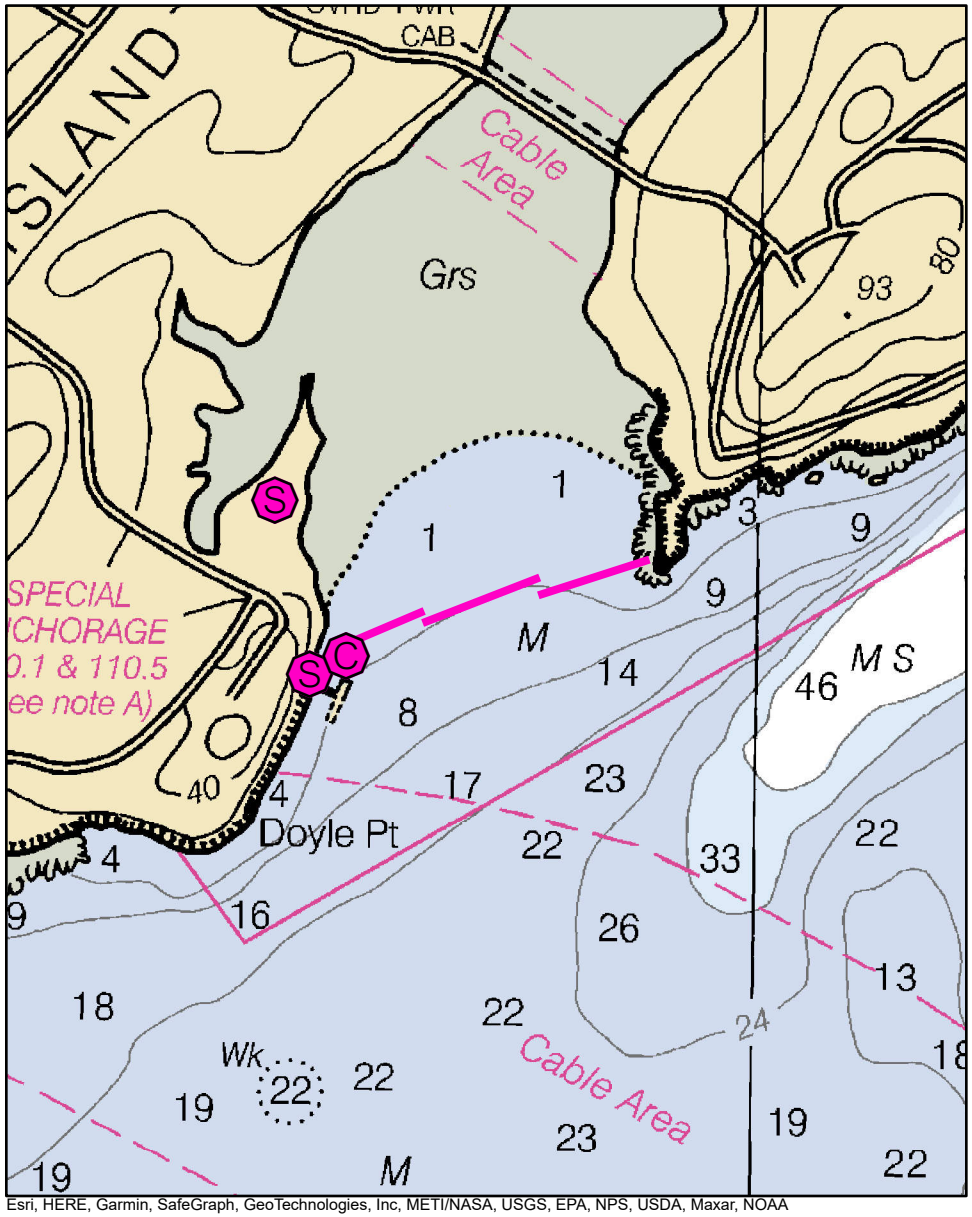
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-09-1 Cousins & Little John Islands

**Town** Yarmouth
**Latitude** 43° 45.228' N **Longitude** -70° 8.234' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** < 1 knot **Ebb**
**Source**

**Port Region** Casco Bay
**NOAA Chart #** 13292_1
**ESI Map #** 47D
**EVI Map #** 13
**DeLorme Map # (2019)** 6 D1

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Eelgrass, shellfish beds and marine worm harvesting areas.

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** Exclude oil from vegetated area between islands

**Staging Areas** Chebeague Transportation Company Cousins Island parking lot or wharf.

**Site Access** Wharf Road, Cousin's Island

**Nearest Boat Ramp** 4 miles - Falmouth Town Landing

**Collection Points** Gravel Beach adjacent to lot.

**Special Instructions** Contact Chebeague Transportation Company: 846-3700

**Work Assignment** Deploy 1500' of boom from Cheabeague Transportation Company Cousins Island parking lot to Littlejohn Island in 3 sections. Collect oil at adjacent to wharf. Contact Chebeague Transportation Company: 846-3700

## Recommended Equipment / Resources

**Length of Boom (feet)** 1500
**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 1/9/2018 **Last Field Visit** 8/27/2010 **Last Field Test:**

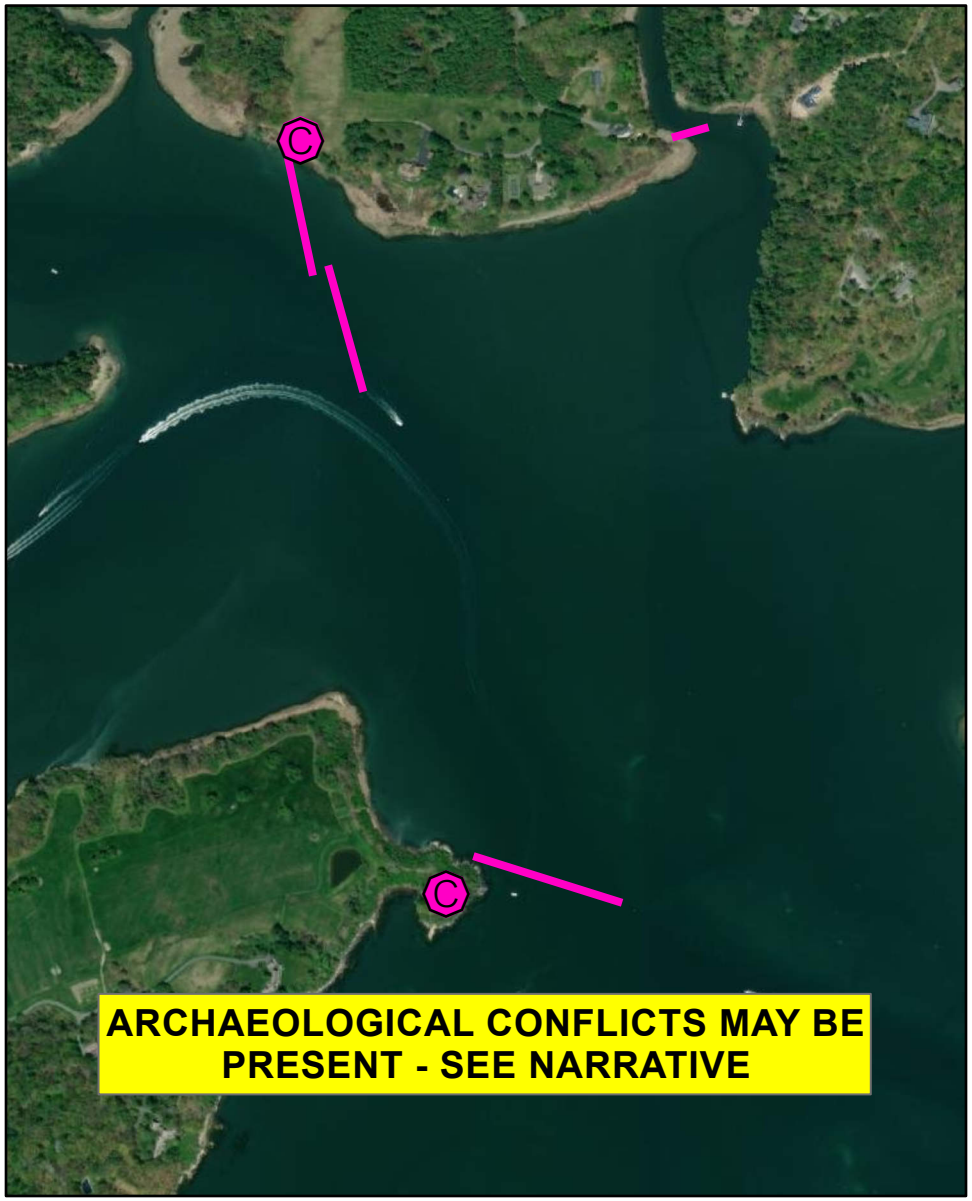
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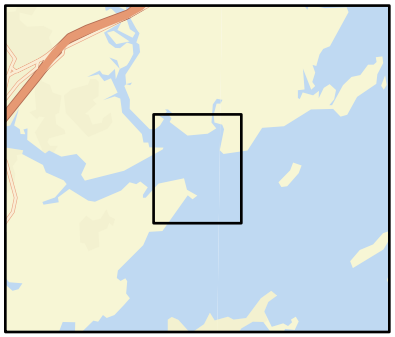
## Cousins & Royal Rivers

## Yarmouth / Freeport, ME

0 1,000 2,000 Feet

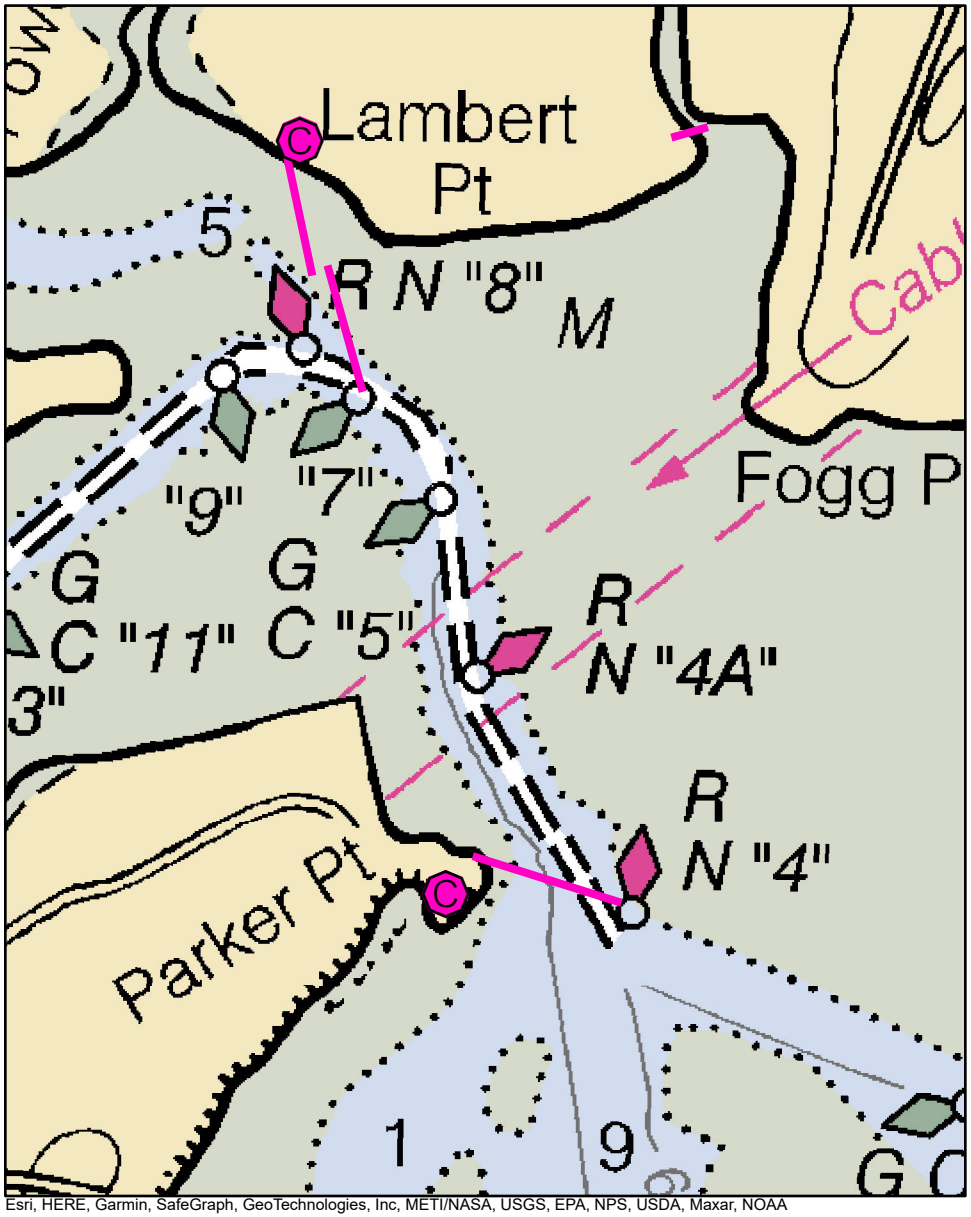
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




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# B-10-1 Cousins & Royal Rivers

**Town** Yarmouth / Freeport
**Latitude** 43° 47.601' N **Longitude** -70° 8.491' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Casco Bay
**NOAA Chart #** 13290_1
**ESI Map #** 47B, 47D
**EVI Map #** 17, 13
**DeLorme Map # (2019)** 6 D1

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)
**ESI Secondary Shoreline Type** Exposed tidal flats (7)

**Environmental Concerns** Diadromous fish runs, bird habitat, fringing marsh

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To keep oil from entering Cousins and Royal Rivers

**Staging Areas** Yarmouth Town Landing Boat Ramp. Yarmouth Boat Yard. Royal River Boat Yard

**Site Access** Parker Point side: 265 Barn Road, Yarmouth
Lambert Point side: 69 Lambert Road, Freeport

**Nearest Boat Ramp** Yarmouth Town Landing Boat Ramp

**Collection Points** May be able to collect from fields at Lambert Point and Parker Point.

**Special Instructions** Extensive tidal flats at low tide.

**Work Assignment** Deploy 650 feet of boom across channel from Parker Point to vicinity of Red Nun #4. Deploy two, 500 foot sections of boom Between Green Can #7 and Lambert Point. If water depth allows, deploy 200 feet of boom across creek between Lambert Point and Fogg Point.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1850

**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
4 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 1/9/2018 **Last Field Visit** 8/27/2010 **Last Field Test:**

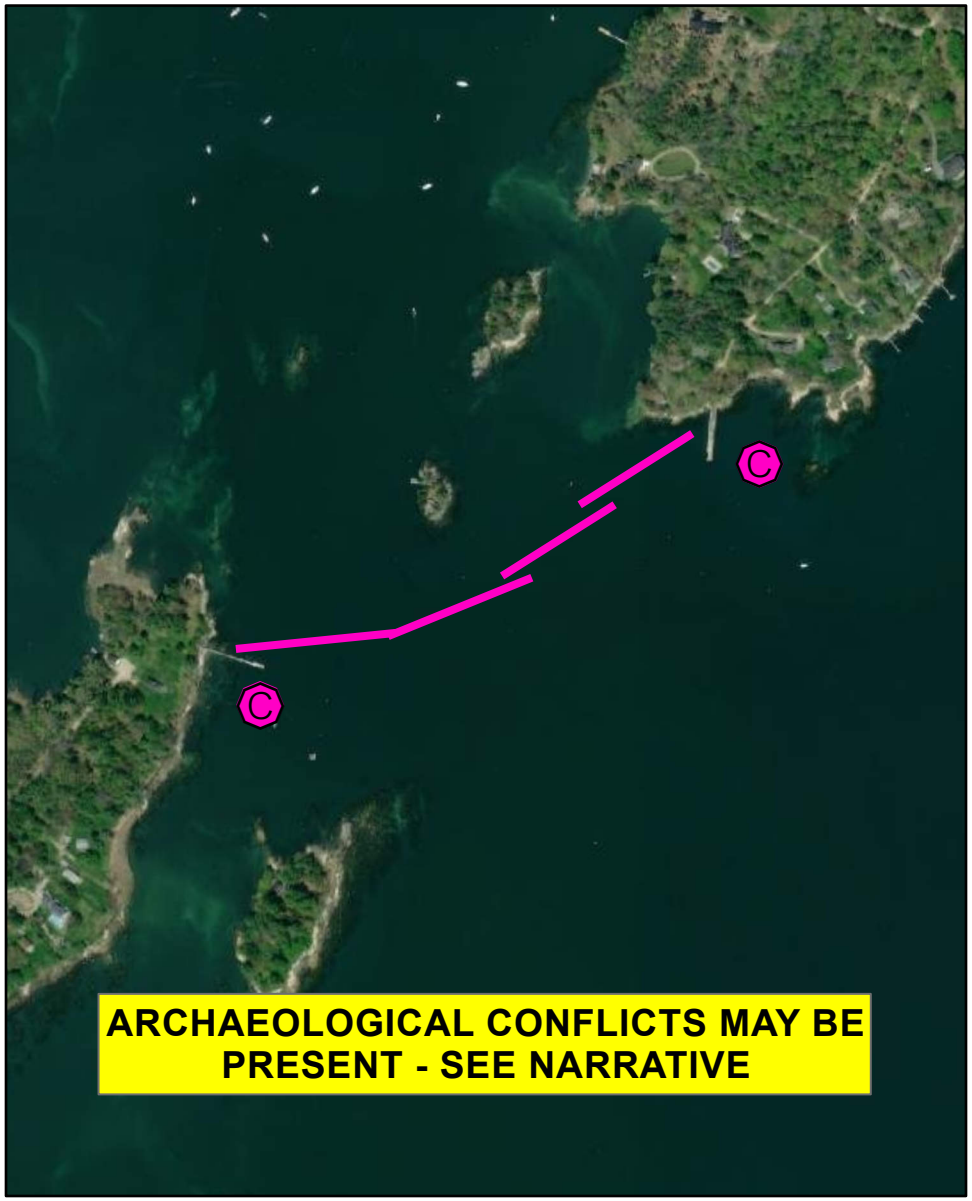
# B-11-1

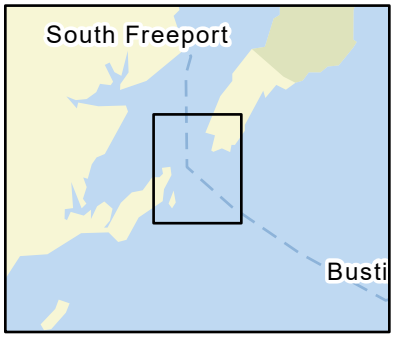
## Harraseeket River

## Freeport, ME

0 830 1,660 Feet

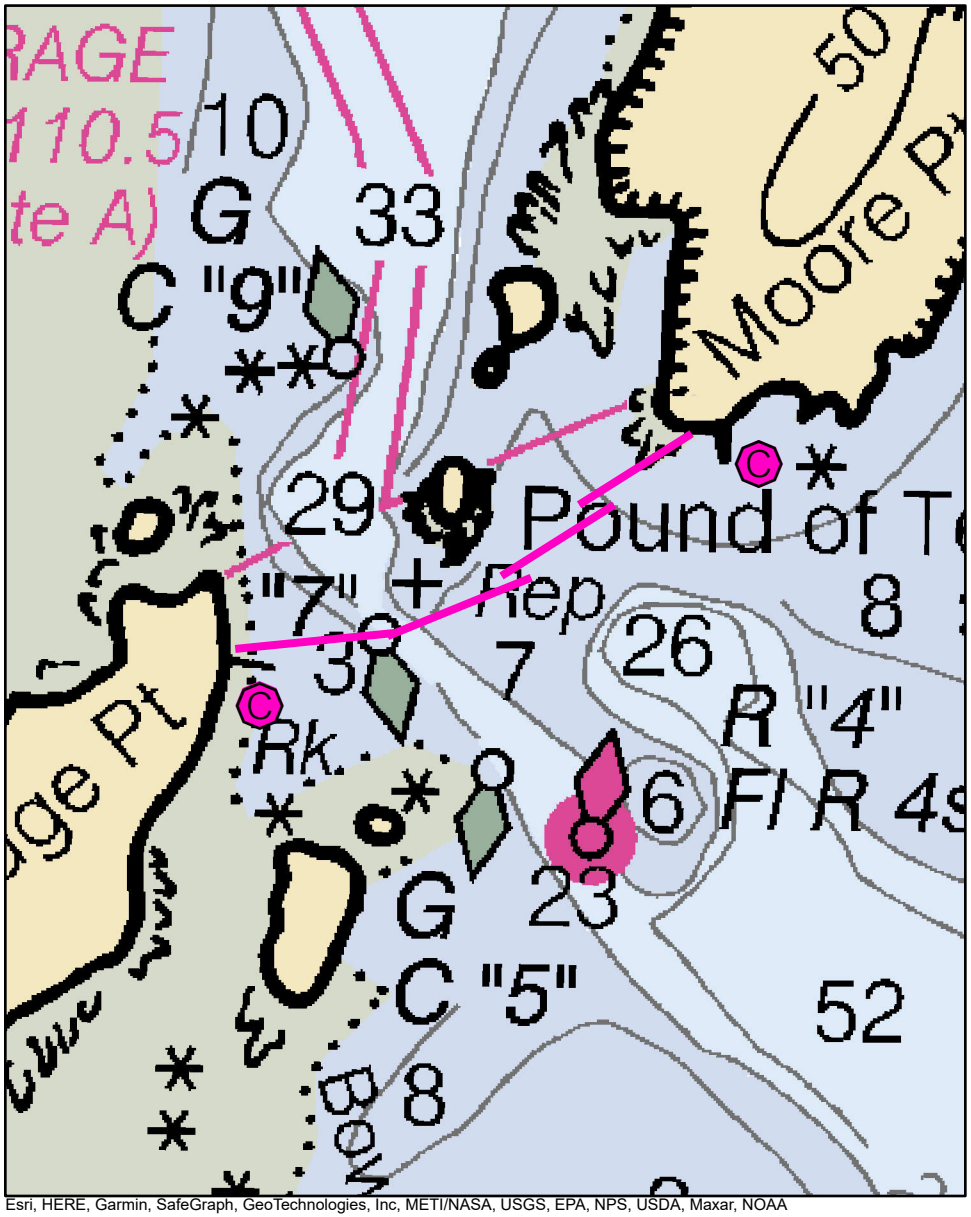
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-11-1 Harraseeket River

**Town** Freeport
**Latitude** 43° 48.428' N **Longitude** -70° 6.305' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** < 1 knot **Ebb**
**Source** Observed

**Port Region** Casco Bay
**NOAA Chart #** 13290_1
**ESI Map #** 47B
**EVI Map #** 17
**DeLorme Map # (2019)** 6 D1

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)

**ESI Secondary Shoreline Type**

**Environmental Concerns** Salt marsh at upper end of Harraseeket River. Extensive shellfish beds. Diadromous fish and elver runs in river. Shorebird area. Aquaculture sites and lobster dealer.

**Archaeological Conflicts** Utilize existing structures and developed areas on Stockbridge Point. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To prevent oil from entering Harraseeket River

**Staging Areas** South Freeport Town Landing

**Site Access** From Exit 17, Maine Turnpike, north on Rte. 1 to South Freeport Road, right on Main St. Nearest address: 31 Main Street, South Freeport, ME

No access when river is iced in.

**Nearest Boat Ramp** Royal River Boat Ramp, Old Shipyard Road, Yarmouth; Mere Point Boat Launch, 15 Birch Island Rd, Brunswick

**Collection Points** Houses on landward ends of boom or on water collection.

**Special Instructions** Strategy shuts off major harbor; contact local harbormaster prior to deploying strategy. Bustin's Island Ferry runs through this area from May - mid October. Contact ferry at 207-751-2283 or 207-233-8368.

**Work Assignment** Deploy 550 feet of boom with onshore end secured to the cribstone dock support at the tip of Stockbridge Point and the offshore end adjacent to "#7" green can. Deploy 1300' of boom in 400 - 500 foot sections from vicinity of "#7" green can to Moore Point. Possible collection at houses on shoresides of boom.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1850

**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**

6 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 1/9/2018 **Last Field Visit** 6/28/2022 **Last Field Test:**

# B-11-2

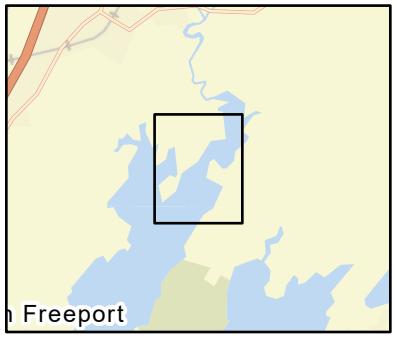
## Harraseeket River: Staples Cove

## Freeport, ME

0 925 1,850 Feet

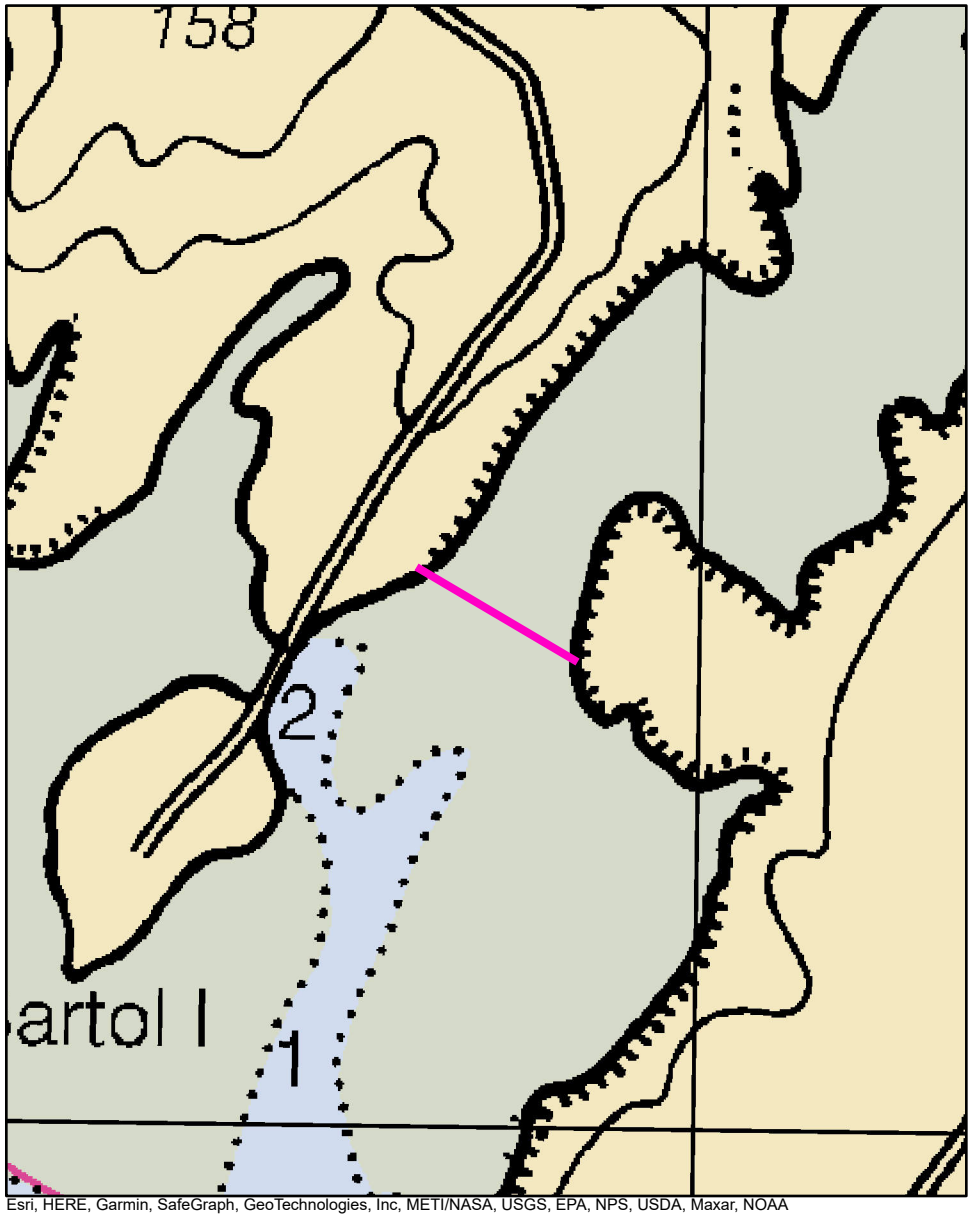
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




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# B-11-2 Harraseeket River: Staples Cove

**Town** Freeport
**Latitude** 43° 48.484' N **Longitude** -70° 6.252' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** < .5 knots **Ebb**
**Source**

**Port Region** Casco Bay
**NOAA Chart #** 13290_1
**ESI Map #** 47A, 47B
**EVI Map #** 17
**DeLorme Map # (2019)** 6 C1

## Resources At Risk

**ESI Primary Shoreline Type** Vegetated low banks (9B)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Extensive salt marsh in upper reaches. Diadromous fish, shorebird habitat, marine worms

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To exclude oil from salt marshes in upper reaches of river.

**Staging Areas** South Freeport Town Wharf, 36 Main St., Freeport

**Site Access** South Freeport Town Wharf , Royal River Boat Ramp; Mere Point Boat Launch, 15 Birch Island Rd, Brunswick

No access to site when river is iced in.

**Nearest Boat Ramp** Royal River Boat Ramp, Old Shipyard Road, Yarmouth

**Collection Points** N/A. Exclusion

**Special Instructions** No access at low tide - high tide only. Difficult regardless of tide.

**Work Assignment** Deploy a 700' section of boom across inlet northeast of Bartol Island at high tide.

## Recommended Equipment / Resources

**Length of Boom (feet)** 700

**Type of Boom** 12" - 18" containment boom / sorbent

**Recommended Equipment (Minimum)**
2 - shoreside connections
1 - workboats with minimum 90 hp
1 - boat operators
2 - laborers

Recommend flat bottom boat to pull boom from across.

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 2/5/2018 **Last Field Visit** 6/28/2022 **Last Field Test:**

# B-12-1

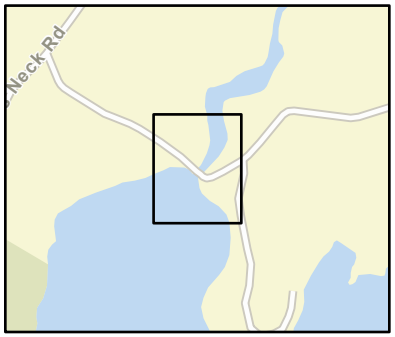
## Little River

## Freeport, ME

0 200 400 Feet

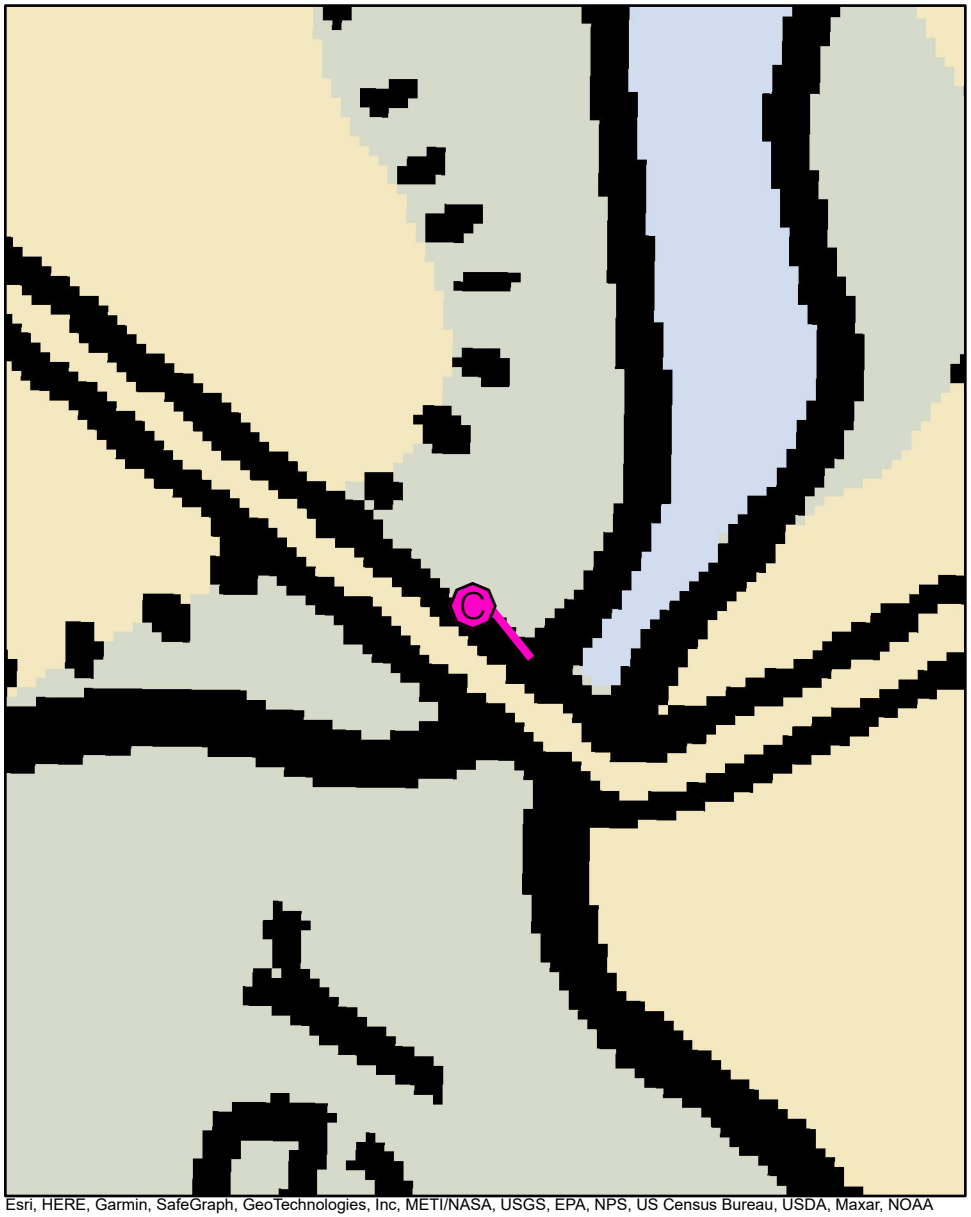
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck



Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, Maxar, NOAA

# B-12-1 Little River

**Town** Freeport
**Latitude** 43° 41.709' N **Longitude** -70 4.545' W
**Approx. Tidal Range (feet)** 7
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Casco Bay
**NOAA Chart #** 13290_1
**ESI Map #** 47A
**EVI Map #** 17
**DeLorme Map # (2019)** 6 D2

## Resources At Risk

**ESI Primary Shoreline Type** Riprap (6B)
**ESI Secondary Shoreline Type** Salt- and brackish-water marshes (10A)

**Environmental Concerns** Salt marsh upstream of bridge. Rainbow smelt.

**Archaeological Conflicts** Utilize bridge abutments and disturbed areas for anchoring boom. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To deflect oil from entering salt marsh.

**Staging Areas** Parking area adjacent to bridge, Burnett Road, Freeport

**Site Access** Little River Bridge. Nearest address: 294 Burnett Road, Freeport

**Nearest Boat Ramp** N/A

**Collection Points** West side of Little River Bridge

**Special Instructions**

**Work Assignment** Deploy 60 feet of boom just upstream of Burnett Road Bridge

## Recommended Equipment / Resources

**Length of Boom (feet)** 60

**Type of Boom** 12" - 18" containment / sorbent

**Recommended Equipment (Minimum)**
1 - vehicle with boom
2 - shoreside connections
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 2/5/2018 **Last Field Visit** **Last Field Test:**

# B-13-1

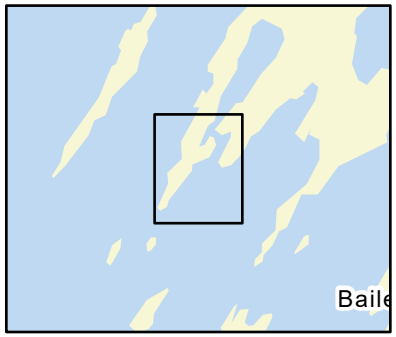
## Basin Cove

## Harpswell, ME

0 1,000 2,000 Feet

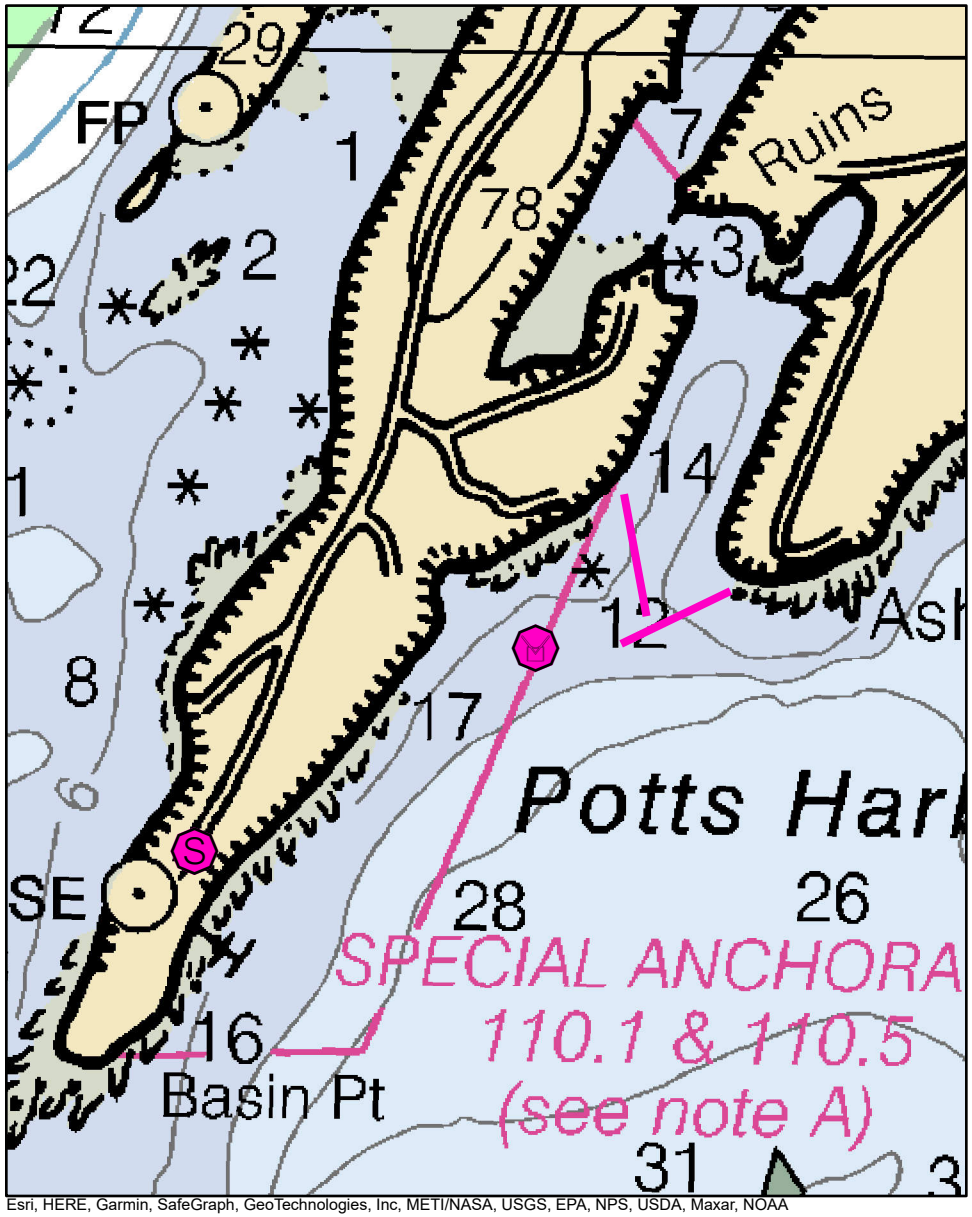
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-13-1 Basin Cove

**Town** Harpswell
**Latitude** 43° 44.687' N **Longitude** -70° 1.613' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** 1 knot **Ebb**
**Source**

**Port Region** Casco Bay
**NOAA Chart #** 13290_1
**ESI Map #** 47C
**EVI Map #** 14
**DeLorme Map # (2019)** 6 E2

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Eelgrass, aquaculture, shellfish beds

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To exclude oil from Basin Cove

**Staging Areas** Dolphin Marina

**Site Access** Dolphin Marina, 515 Basin Point Road, Harpswell

**Nearest Boat Ramp** Dolphin Marina; Mere Point Boat Launch, 15 Birch Island Rd, Brunswick

**Collection Points** Open water skimming if possible

**Special Instructions** Lobster Pound intakes at mouth of Basin Cove and on western side of Ash Point. Boom will go through mooring field and may need to be moved depending on season.

**Work Assignment** Section 1: Deploy 500' of boom from west side of Basin Cove opening in a southerly direction. Section 2: 500' of boom deployed from Ash Point in a southwesterly direction to form an overlapping apex with Section 1 boom.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1000 **Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
1 - workboats with minimum 90 hp
1 - boat operators
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 2/5/2018 **Last Field Visit** 6/10/2022 **Last Field Test:**

# B-14-1

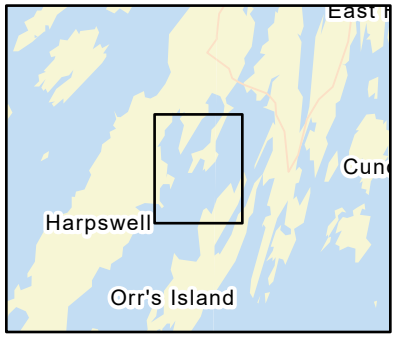
## Harpswell Cove / Long Reach: High Head

## Harpswell, ME

0 1,000 2,000 Feet

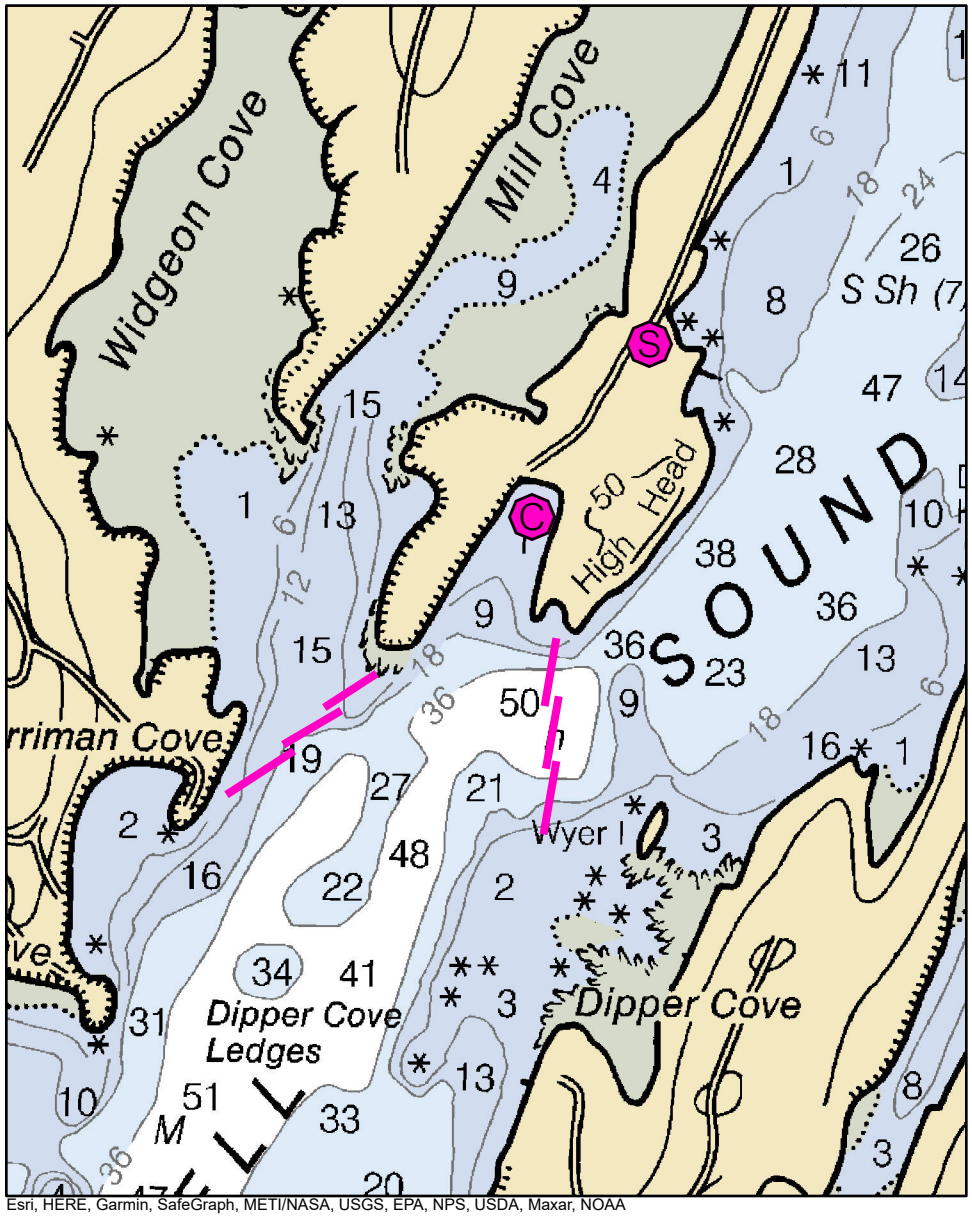
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-14-1 Harpswell Cove/Long Reach: High Head

**Town** Harpswell
**Latitude** 43° 47.681' N **Longitude** -69° 57.864' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Casco Bay
**NOAA Chart #** 13290_1
**ESI Map #** 46B, 46D
**EVI Map #** 18, 14
**DeLorme Map # (2019)** 6 D3

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)

**ESI Secondary Shoreline Type** Exposed tidal flats (7)

**Environmental Concerns** Extensive tidal flats, seal haul-outs, shellfish beds, shorebird habitat and diadromous fish runs in upper Harpswell Sound. Sheltered tidal flats, eelgrass and shellfish beds in Mill and Widgeon Coves.

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To divert oil from upper Harpswell Sound and Mill and Widgeon Coves

**Staging Areas** High Head Yacht Club, Harpswell or Mere Point Boat Launch, 15 Birch Island Rd, Brunswick;

**Site Access** Nearest address to possible collection point: 40 Headland Road, Harpswell

**Nearest Boat Ramp** Nearest all-tide public ramp is Mere Point Boat Launch, 15 Birch Island Rd, Brunswick

**Collection Points** High Head in cove

**Special Instructions** Review strategy for priority along with B-14-2 and B-14-3.

**Work Assignment** Deploy three 500 foot lengths of boom across channel in Harpswell Sound to divert oil into High Head for collection

Deploy three 500 foot lengths of boom across entrances to Mill & Widgeon Coves

## Recommended Equipment / Resources

**Length of Boom (feet)** 3000

**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**

12 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 2/14/2018 **Last Field Visit** 6/10/2022 **Last Field Test:**

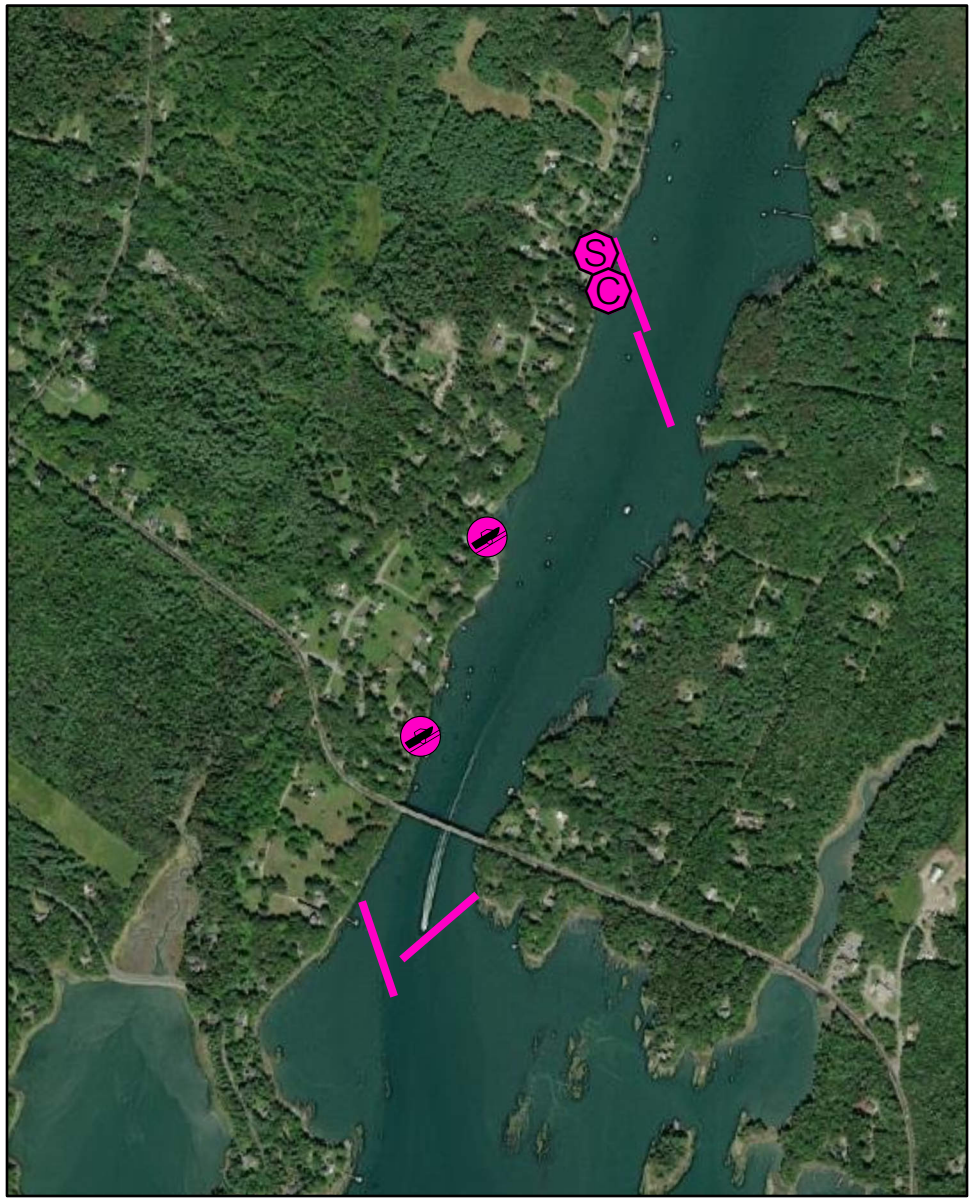
# B-14-2

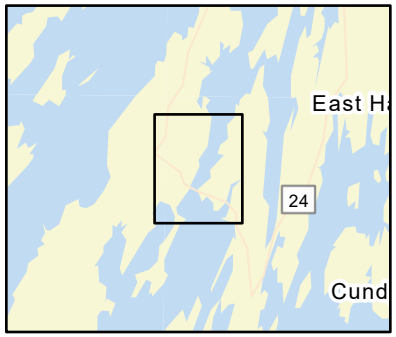
## Harpswell Cove / Long Reach: Ewin Narrows

## Harpswell, ME

0 1,000 2,000 Feet

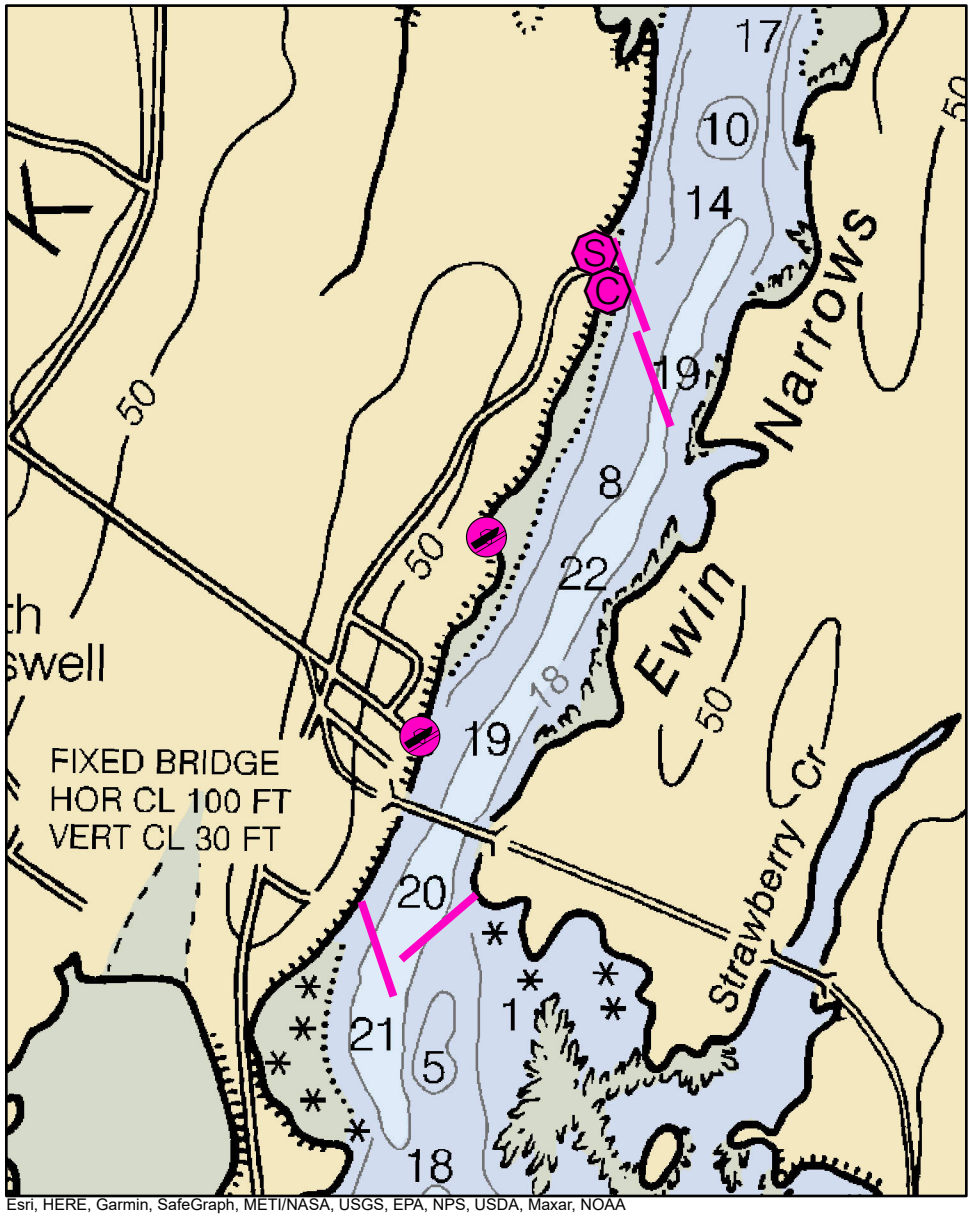
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-14-2 Harpswell Cove/Long Reach: Ewin Narrows

**Town** Harpswell
**Latitude** 43° 49.175' N **Longitude** -69 57.091' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Casco Bay
**NOAA Chart #** 13290_1
**ESI Map #** 46B
**EVI Map #** 18
**DeLorme Map # (2019)** 6 D3

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered tidal flats (9A)
**ESI Secondary Shoreline Type** Mixed sand and gravel beaches (5)

**Environmental Concerns** Extensive tidal flats, seal haul-outs, shellfish beds, shorebird habitat and diadromous fish runs in upper Harpswell Sound and Long Reach

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To deflect oil from upper Harpswell Sound and Long Reach

**Staging Areas** Hildreth boat landing 52 Hildreth Road (limited space and parking) or High Head Yacht Club boat ramp.

**Site Access** Hildreth Pt. boat landing: 52 Hildreth Road or High Head Yacht Club Boat Ramp, approx. 1 mile downstream of bridge, 313 High Head Road, Harpswell

**Nearest Boat Ramp** Nearest public launches are Mere Point Boat Launch, 15 Birch Island Rd, Brunswick; Hildreth Boat Landing, and Buttermilk Cove (near intersection of Rte. 24 and Prince's Point Road adjacent to bridge -- part tide ramp); e911 shows boat access at the end of Wharf Road, but might be carry put-in

**Collection Points** Hildreth boat landing and either side of bridge on Mountain Road

**Special Instructions** Boom angles must be steep due to current. Review strategies for priority along with B-14-1 and B-14-3

**Work Assignment** Deploy two 600' sections of boom south of bridge on Mountain Road.

Deploy two 600' lengths of boom in a cascade formation from Hildredth Boat landing.

## Recommended Equipment / Resources

**Length of Boom (feet)** 2400 **Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**

Princes Point (upstream):
3 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy
1 - shoreside connection
1 - vacuum truck or skimmer with storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

Mountain Road (downstream):
2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy
2 - shoreside connection
1 - 2 vacuum truck(s) or skimmer(s) with storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 2/14/2018 **Last Field Visit** 6/10/2022 **Last Field Test:**

# B-14-3

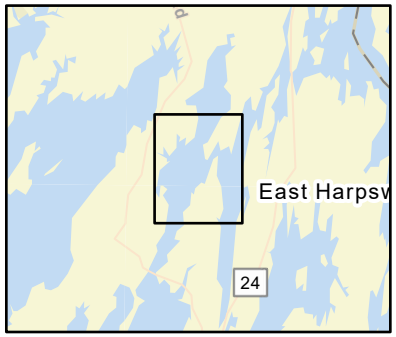
## Harpswell Cove / Long Reach: Prince & Doughty Pt.

## Harpswell, ME

0 1,000 2,000 Feet

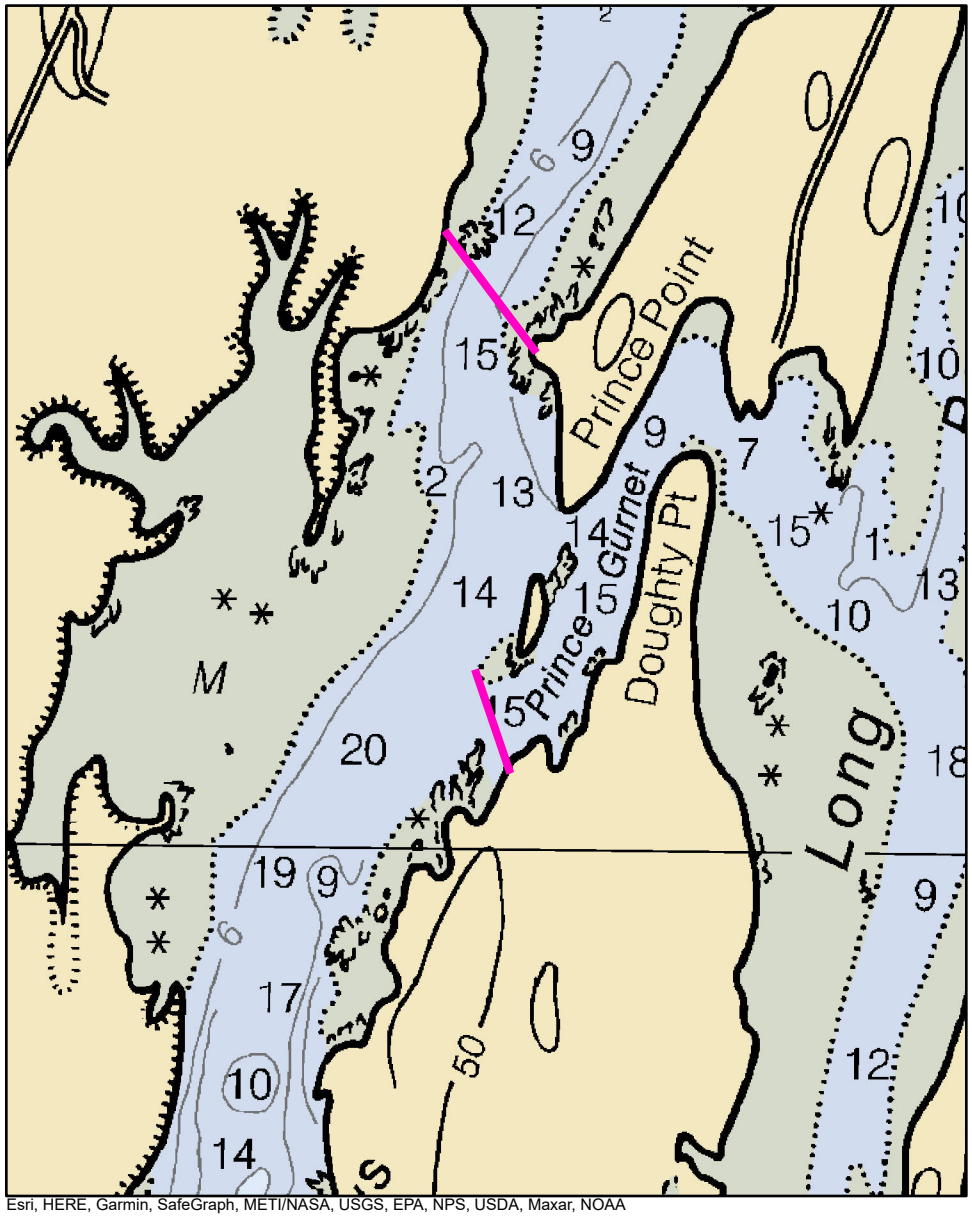
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-14-3 Harpswell Cove/Long Reach: Prince & Doughty Pt

**Town** Harpswell
**Latitude** 43° 50.357' N **Longitude** -69° 56.415' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Casco Bay
**NOAA Chart #** 13290_1
**ESI Map #** 46B
**EVI Map #** 18
**DeLorme Map # (2019)** 6 C3

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)

**ESI Secondary Shoreline Type**

**Environmental Concerns** Extensive tidal flats, seal haul-outs, shellfish beds, shorebird habitat and diadromous fish runs in upper Harpswell Sound and Long Reach

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To divert oil from upper Harpswell Sound and Long Reach

**Staging Areas** Hildreth Point boat landing or High Head Yacht Club boat ramp

**Site Access** Hildreth Pt. boat landing: 56 Hildreth Road or High Head Yacht Club boat ramp, approx. 1 mile downstream of Mountain Road bridge, 313 High Head Road, Harpswell

**Nearest Boat Ramp** High Head Yacht Club (207-725-8440). Nearest public launches are Merepoint Bay in Brunswick (15 Birch Island Road, Brunswick), and Buttermilk Cove (near intersection of Rte. 24 and Prince's Point Road adjacent to bridge -- part tide ramp)

**Collection Points** No collection for Doughty Point area, deflection only. May be possible to collect from house at the end of long driveway located approximately 0.3 mi. north of Hawthorne Lane, Harpswell, off of Rte. 123.

**Special Instructions** Boom angles must be steep due to current. Review these strategies for priority along with B-14-1 and B-14-2. Might be difficult deploying at mod to low tides due to rocks.

**Work Assignment** Deploy 1,000 feet of boom between Prince's Point and Harpswell Neck.

Deploy 700 feet of boom between Doughty Point and island to deflect oil from entering Long Reach.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1700

**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**

4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 2/15/2018 **Last Field Visit** 6/10/2022 **Last Field Test:**

# B-15-1

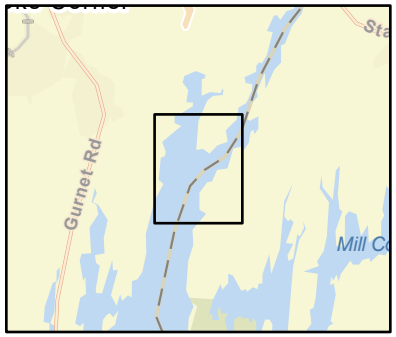
## Upper New Meadows River / Thomas Point

## Brunswick / West Bath, ME

0 1,000 2,000 Feet

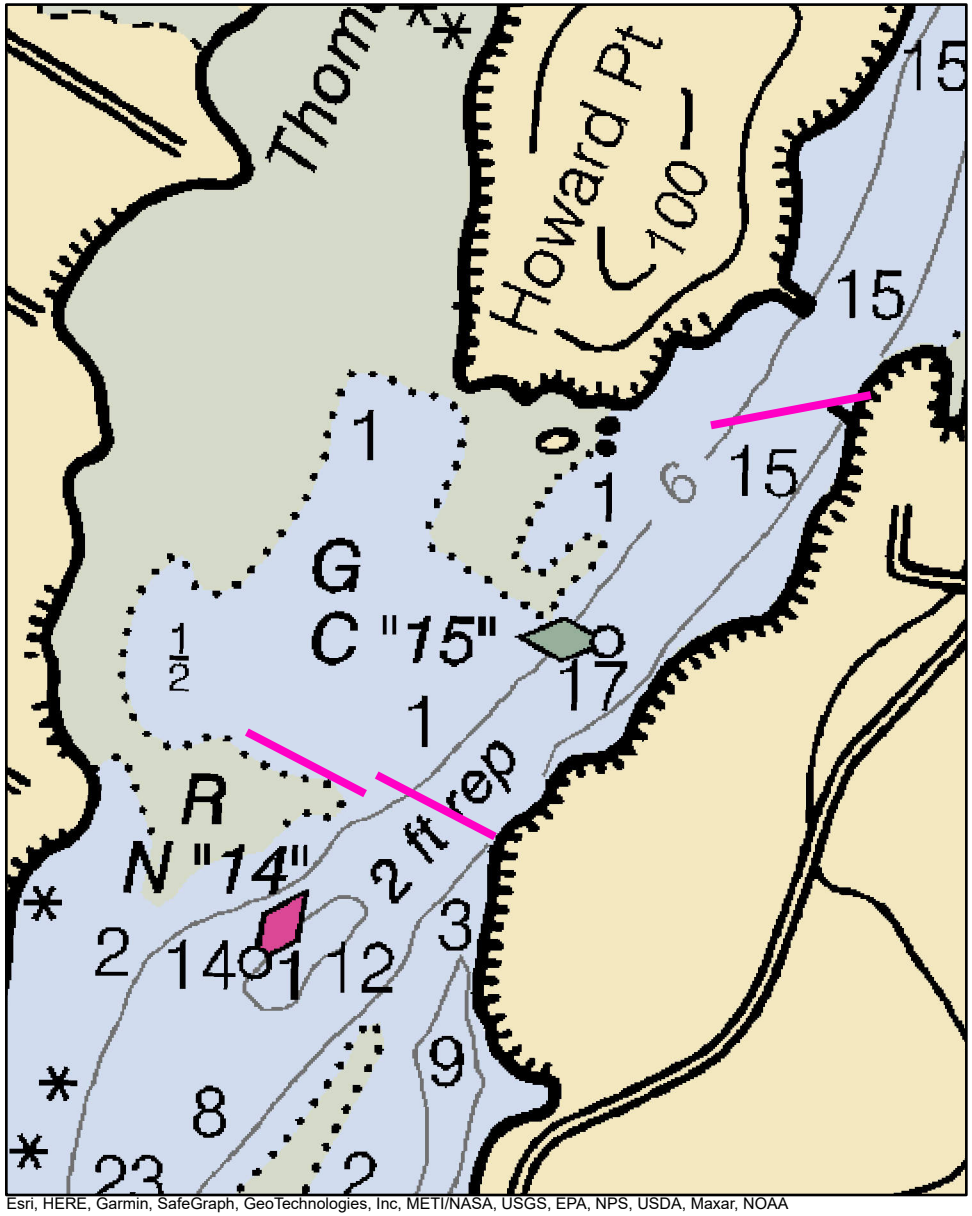
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-15-1 Upper New Meadows River / Thomas Point

**Town** Brunswick / West Bath
**Latitude** 43° 53.151' N **Longitude** -69° 53.298' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** .5 - 1 knots **Ebb**
**Source**

**Port Region** Casco Bay
**NOAA Chart #** 13290_1
**ESI Map #** 46B, 40D
**EVI Map #** 19
**DeLorme Map # (2019)** 6 C4

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered rocky shores (8A)
**ESI Secondary Shoreline Type** Sheltered tidal flats (9A)

**Environmental Concerns** Extensive tidal flats, shellfish, shorebird habitat and marine worm harvesting areas in Thomas Bay. Known horseshoe crab spawning area. Upper New Meadows River has tidal flats, salt marsh, shellfish areas, elver run and shorebird habitat.

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** Divert or exclude oil from Thomas Bay and Upper New Meadows River.

**Staging Areas** Sawyer Park boat launch, Sawyer Road, Brunswick

**Site Access** Deployment access by water. See possible collection access below.

**Nearest Boat Ramp** Sawyer Park boat launch; pavement/ concrete ramp but access is seasonal. Gate can be opened by calling the Brunswick Marine Warden/ PD

**Collection Points** Assess collection opportunities on West Bath side near piers at residences at 29 Herons Reach Way (lower strategy) and 47 Spruce Way.

**Special Instructions** Unknown feasibility for collection

**Work Assignment** Primary: Deploy two 650' sections of boom from West Bath side of river across channel.

Secondary: Deploy one 650' section of boom from West Bath side of river toward Howard Point.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1300 (primary), 650 (secondary)

**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**

Primary:
3 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
1 - shoreside connection
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

Secondary:
1 - anchor system: 35 foot Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
1 - shoreside connection
1 - vacuum truck or skimmer and storage
1 - workboats with minimum 90 hp
1 - boat operator
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 2/15/2018 **Last Field Visit** **Last Field Test:**

# B-16-1

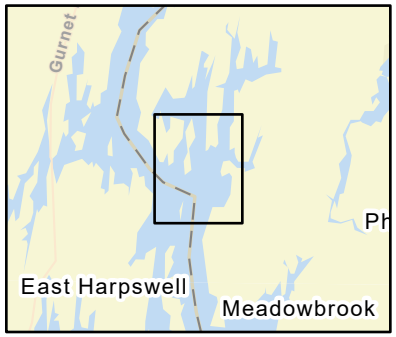
## Back Cove

## West Bath, ME

0 1,000 2,000 Feet

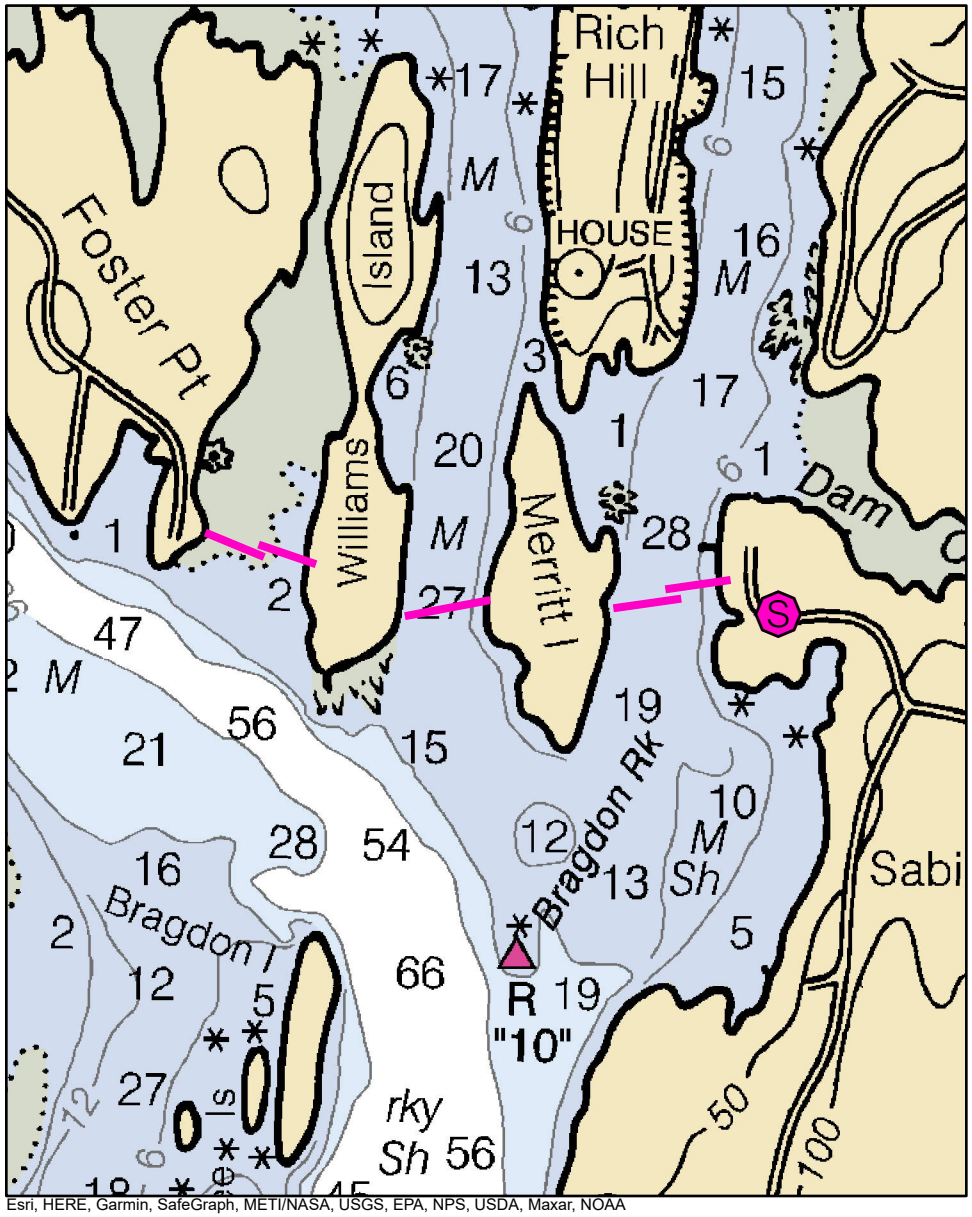
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-16-1 Back Cove

**Town** West Bath
**Latitude** 43° 51.41' N **Longitude** -69° 52.148' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** 0 - .5 knots **Ebb**
**Source** Local knowledge estimate

**Port Region** Casco Bay
**NOAA Chart #** 13290_1
**ESI Map #** 46A, 46B
**EVI Map #** 19
**DeLorme Map # (2019)** 6 C4

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)
**ESI Secondary Shoreline Type** Exposed tidal flats (7)

**Environmental Concerns** Back Cove has sheltered tidal flats, shorebird habitat, shellfish beds, aquaculture and marine worm habitat

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** Exclude oil from Back Cove

**Staging Areas** Sabino Point Landing, West Bath. Tight parking and steep, narrow ramp - see Special Instructions

**Site Access** Sabino Point Landing, West Bath. Nearest address: 301 Sabino Road

**Nearest Boat Ramp** Sabino Point Landing, West Bath. Lower portion is solid cobble stone, all season

**Collection Points** N/A. Exclusion

**Special Instructions** Sabino Point Landing is permit parking only, consider reaching out to Sag County Sheriff or Town of West Bath

**Work Assignment** Deploy two 400' sections of boom between Sabino Point and Merrit Island.

Deploy 500' of boom between Merrit Island and Williams Island.

Deploy two 400' sections of boom between Williams Island and Foster Point.

## Recommended Equipment / Resources

**Length of Boom (feet)**

**Type of Boom** 12" - 24" containment boom

**Recommended Equipment (Minimum)**

4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy
6 - shoreside connections
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 2/16/2018 **Last Field Visit** 6/22/2022 **Last Field Test:**

# B-17-1

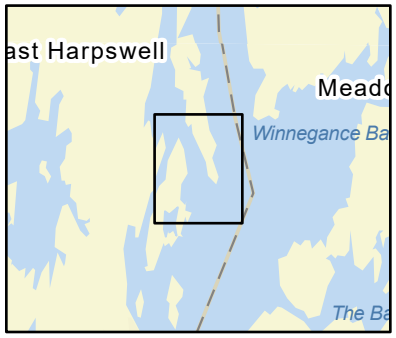
## Long Island

## Harpswell, ME

0 925 1,850 Feet

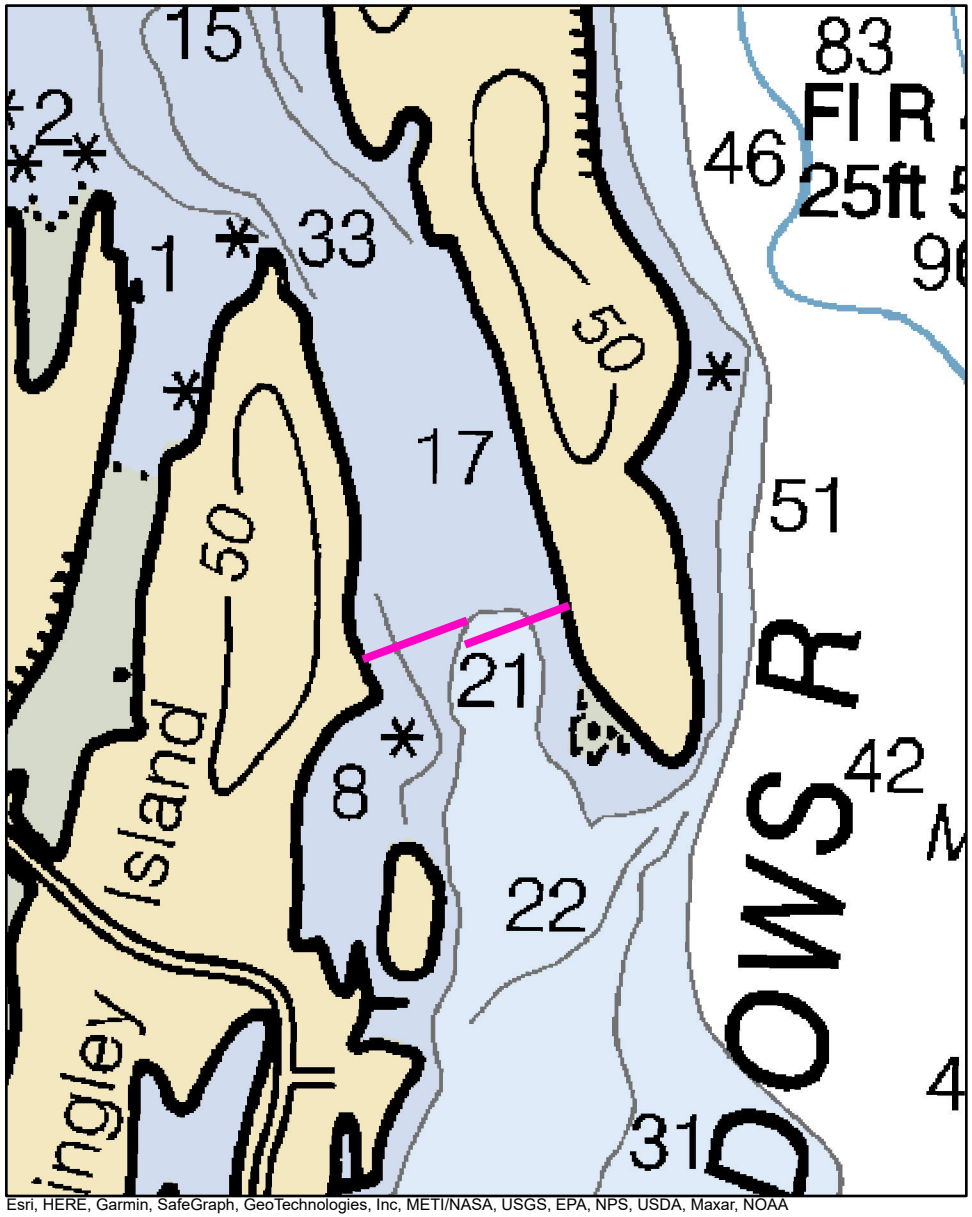
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-17-1 Long Island

**Town** Harpswell
**Latitude** 43° 49.169' N **Longitude** -69 52.772' N
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** 0 - 1 knot **Ebb**
**Source** Local knowledge estimate

**Port Region** Casco Bay
**NOAA Chart #** 13290_1
**ESI Map #** 46B, 46A
**EVI Map #** 19
**DeLorme Map # (2019)** 6 D4

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Mudflats and shorebird habitat and small harbor behind island.

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** Exclude oil from back side of Long Island

**Staging Areas** Sabino Point Landing, West Bath, tight parking and narrow ramp; see Special Instructions

**Site Access** Sabino Point Landing, West Bath. Nearest address: 301 Sabino Road

**Nearest Boat Ramp** Sabino Point Landing, West Bath. Lower portion is solid cobblestone; all tide.

**Collection Points**

**Special Instructions** Sabino Point Landing is permit parking only, consider reaching out to Sag County Sheriff or Town of West Bath

**Work Assignment** Deploy two 400' lengths of boom between Long Island and Dingley Island

## Recommended Equipment / Resources

**Length of Boom (feet)** 800

**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
3 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
1 - shoreside connection (Dingley Island side at pier)
1 - workboat with minimum 90 hp
1 - boat operator
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 2/16/2018 **Last Field Visit** 6/22/2022 **Last Field Test:**

# B-18-1

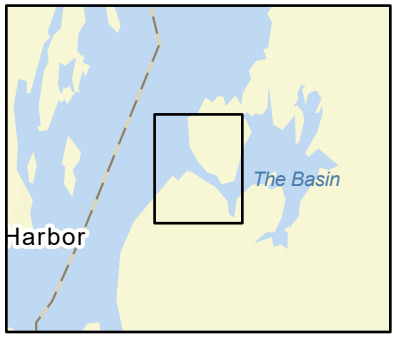
## The Basin

## Phippsburg, ME

0 830 1,660 Feet

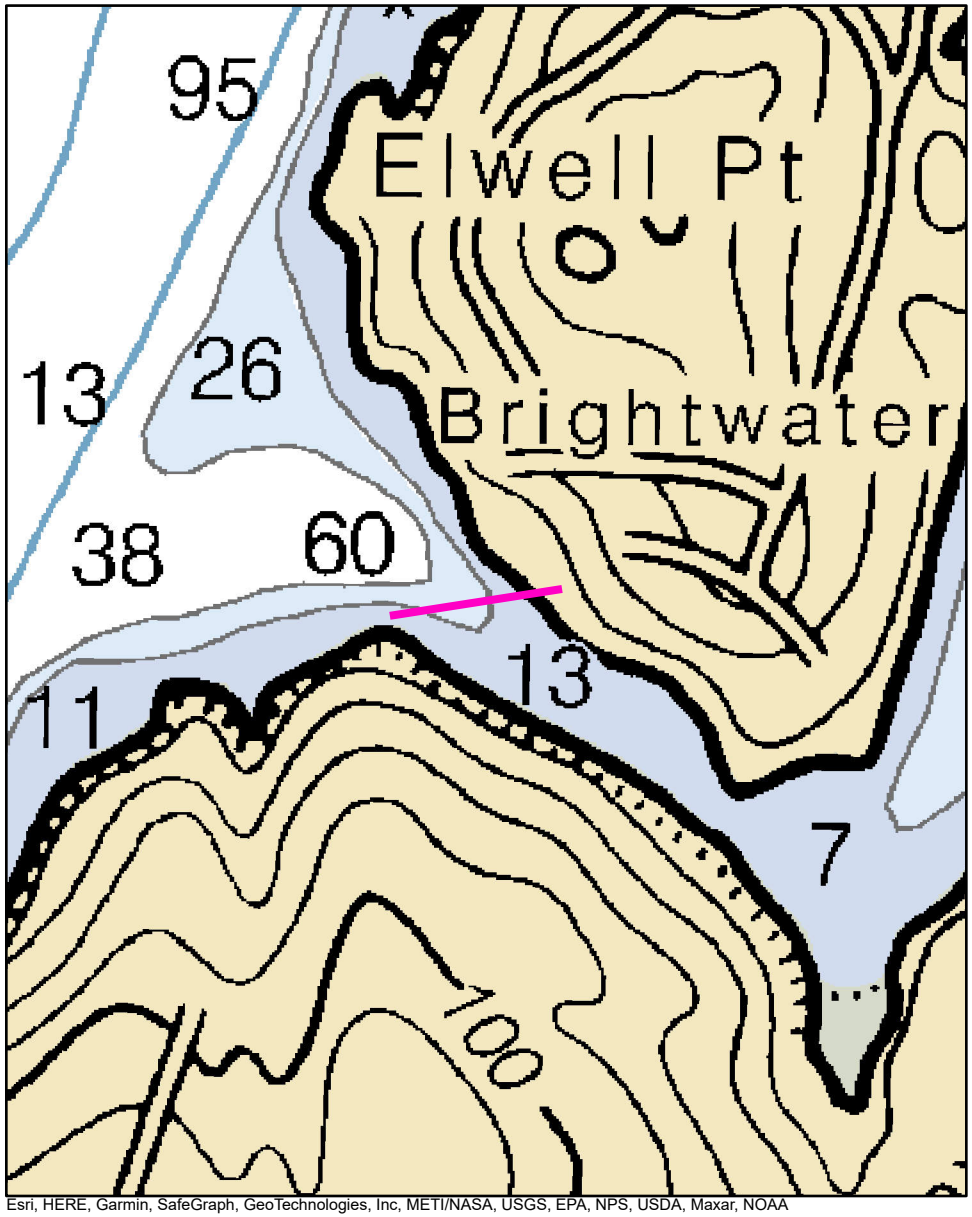
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-18-1 The Basin

**Town** Phippsburg
**Latitude** 43° 48.236' N **Longitude** -69° 57.867' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Casco Bay
**NOAA Chart #** 13290_1
**ESI Map #** 46A, 46B
**EVI Map #** 19
**DeLorme Map # (2019)** 6 D4

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)
**ESI Secondary Shoreline Type** Vegetated low banks (9B)

**Environmental Concerns** Sheltered tidal flats and shellfish beds in The Basin

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** Exclude oil from The Basin

**Staging Areas** Sabino Point Landing, West Bath; tight parking and narrow ramp; see Special Instructions

**Site Access** By water from Sabino Point Landing, West Bath. Nearest address: 301 Sabino Road

**Nearest Boat Ramp** Sabino Point Landing, West Bath. Lower portion is solid cobblestone; all tide.

**Collection Points** N/A. Exclusion

**Special Instructions** Strength of current unknown but may be fast through channel; Sabino Point Landing is permit parking only, consider reaching out to Sag County Sheriff or Town of West Bath

**Work Assignment** Deploy 600 feet of boom across the entrance to The Basin

## Recommended Equipment / Resources

**Length of Boom (feet)** 600
**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
2 - shoreside connections
1 - workboat with minimum 90 hp
1 - boat operator
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 2/20/2018 **Last Field Visit** **Last Field Test:**

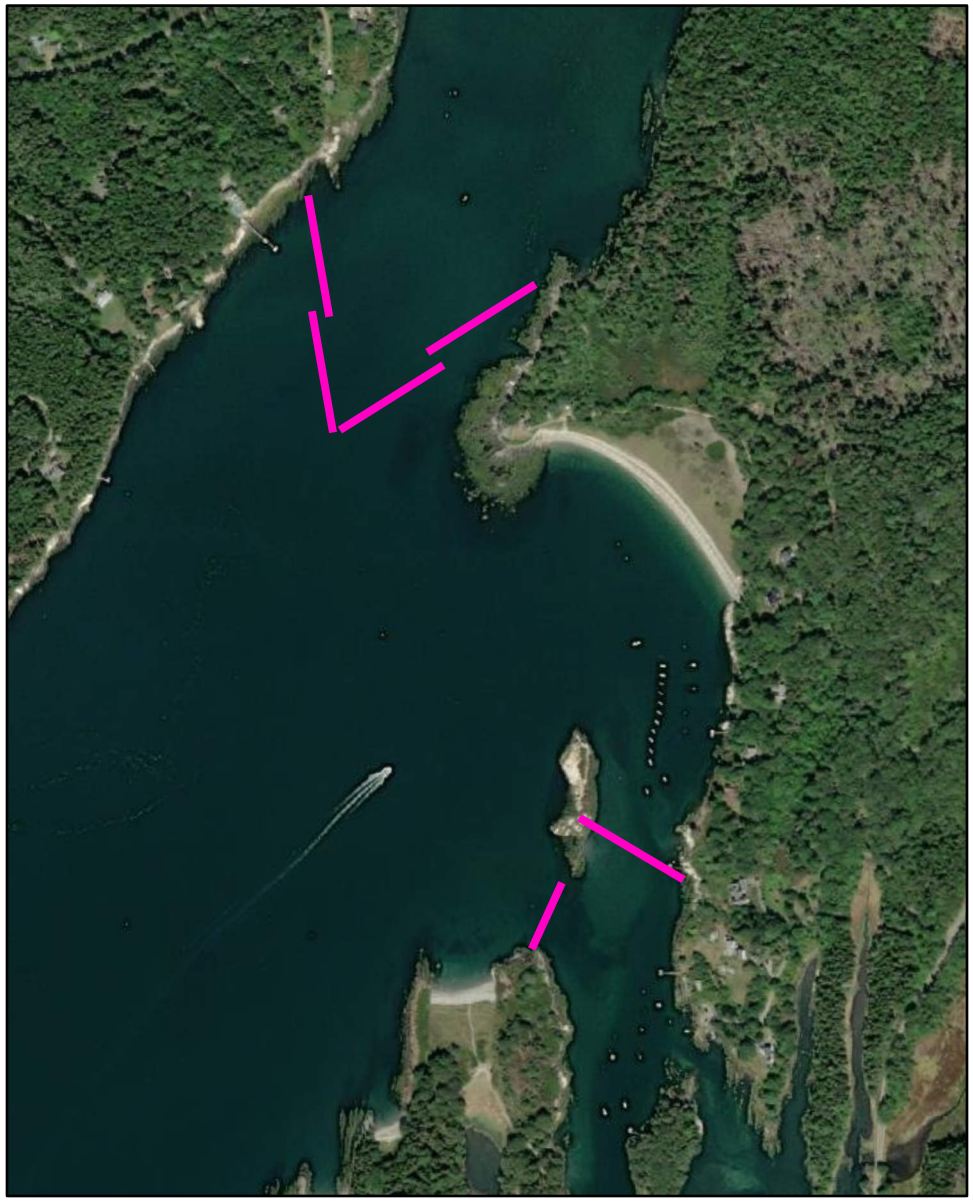
# B-19-1

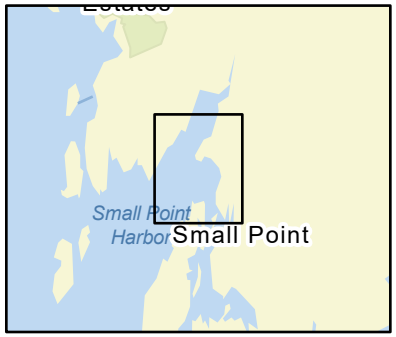
## Cape Small Harbor / Tottman Cove

## Phippsburg, ME

0 925 1,850 Feet

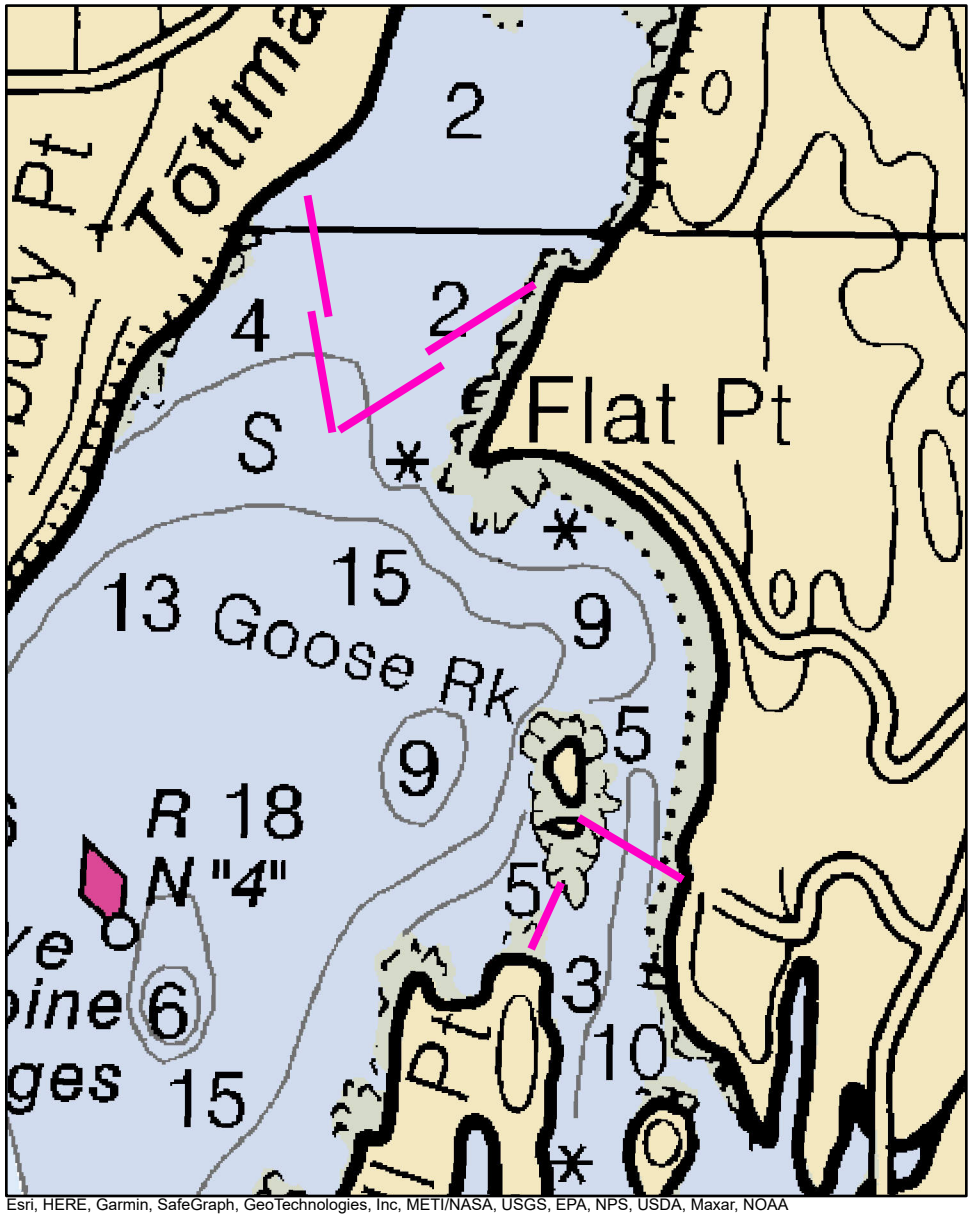
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-19-1 Cape Small Harbor / Tottman Cove

**Town** Phippsburg
**Latitude** 43° 44.773' N **Longitude** -69° 50.881' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** < 0.5 knots **Ebb**
**Source** Local knowledge estimate

**Port Region** Casco Bay
**NOAA Chart #** 13290_1
**ESI Map #** 46C
**EVI Map #** 15
**DeLorme Map # (2019)** 6 E4

## Resources At Risk

**ESI Primary Shoreline Type** Mixed sand and gravel beaches (5)
**ESI Secondary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)

**Environmental Concerns** Sheltered tidal flats, shellfish beds, marsh in upper reaches of both areas. Diadromous fish runs in North Creek above Tottman Cove

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** to exclude oil from upper Tottman Cove and from Cape Small Harbor. Sebasco Estates has a part-tide ramp.

**Staging Areas** Beach adjacent to Tottman Cove? Possibly Small Point or Cundy's Harbor

**Site Access** By water from Sabino Point Landing, West Bath. Nearest address: 301 Sabino Road

**Nearest Boat Ramp** Sabino Point Landing, West Bath; lower portion is solid cobblestone; all tide

**Collection Points** N/A. Exclusion.

**Special Instructions** Difficult access, Sabino Point Landing is permit parking only, consider reaching out to Sag County Sheriff or Town of West Bath

**Work Assignment** Deploy four 450' lengths of boom to form a chevron in Tottman Cove.

Deploy one 450' length of boom from Goose Rock to eastern shore, and one 250' length of boom from Goose Rock to Mill Point.

## Recommended Equipment / Resources

**Length of Boom (feet)** 2250
**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
8 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 2/21/2018 **Last Field Visit** 6/22/2022 **Last Field Test:**

# B-20-1

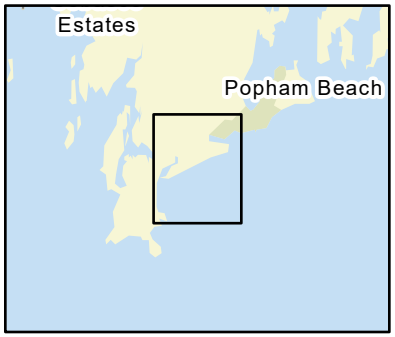
## Sprague & Morse Rivers

## Phippsburg, ME

0 2,000 4,000 Feet

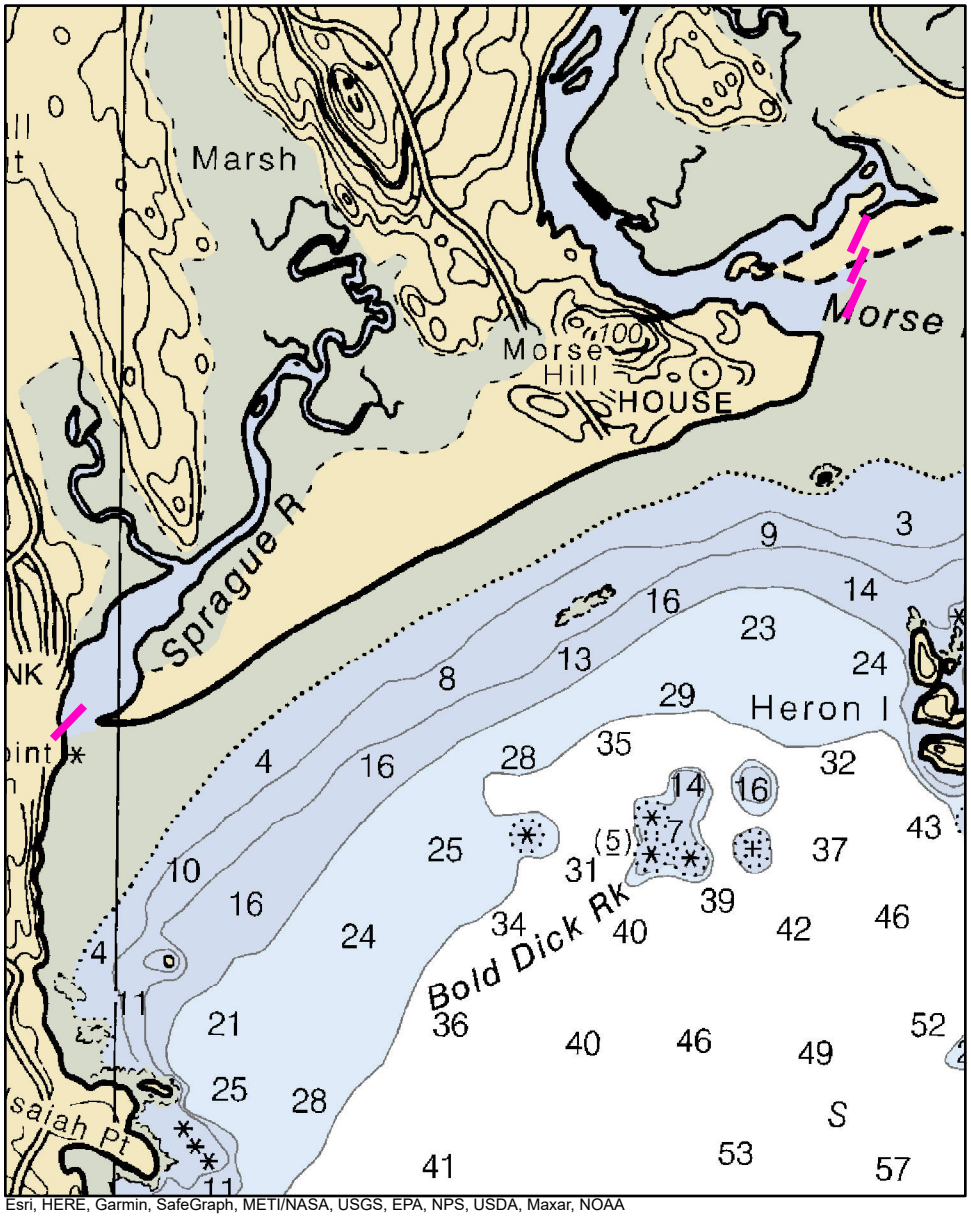
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-20-1 Sprague & Morse Rivers

**Town** Phippsburg
**Latitude** 43° 43.566' N **Longitude** -69° 49.238' W
**Approx. Tidal Range (feet)** Intertidal
**Max Current (knots)** **Flood** Minimal **Ebb**
**Source**

**Port Region** Casco Bay
**NOAA Chart #** 13293_1
**ESI Map #** 46C
**EVI Map #** 15
**DeLorme Map # (2019)** 6 E5

## Resources At Risk

**ESI Primary Shoreline Type** Salt to brackish marshes (10A)
**ESI Secondary Shoreline Type** Fine to medium-grained sand beach (3A)

**Environmental Concerns** Extremely sensitive habitat. Extensive marshes, shorebird habitat, piping plover habitat, shellfish beds. Seabird nesting sites just offshore. Coastal barrier resources system. Consult with Maine Department of Inland Fisheries and Wildlife before deployment.

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** Exclude oil from marshes and tidal flats beyond mouths of Sprague and Morse Rivers

**Staging Areas** Popham Beach State Park parking lot (Morse River side) or end of Hyde Road (Sprague River side), Phippsburg.

**Site Access** By water or overland from Popham Beach State Park (10 Perkins Farm Lane, Phippsburg) for Morse River side or from end of Hyde Road, Phippsburg for Sprague River side.

**Nearest Boat Ramp** Sebasco Estates has a part tide ramp (29 Kenyon Road, Phippsburg). Nearest all-tide ramp is Kennebec River public launch at 219 Fiddler's Reach Rd, Phippsburg.

**Collection Points** Possibly at beach. Main purpose is exclusion

**Special Instructions** Very difficult access.

**Work Assignment** Deploy 300 feet of boom at mouth of Sprague River.

Deploy three 300' sections of boom at mouth of Morse River.

May be possible to deploy sand barriers at channels.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1200 **Type of Boom** Intertidal or sorbent boom

**Recommended Equipment (Minimum)**

Sprague River:
1 - boat or vehicle
1 - shoreside connections. Rebar for staking.
2 - laborers

Morse River:
1 - 2 boats or vehicles
4 - anchor systems: 22 lb. Fortress or equivalent
2 - shoreside connections. Rebar for staking.
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 2/21/2018 **Last Field Visit** **Last Field Test:**

# B-21-1

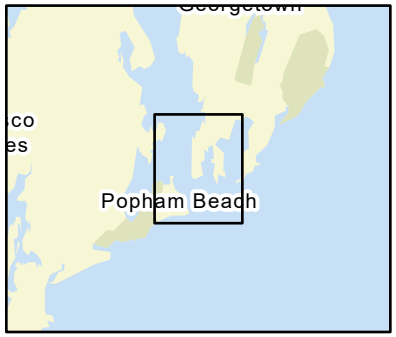
## Lower Kennebec River

## Phippsburg / Georgetown, ME

0 2,000 4,000 Feet

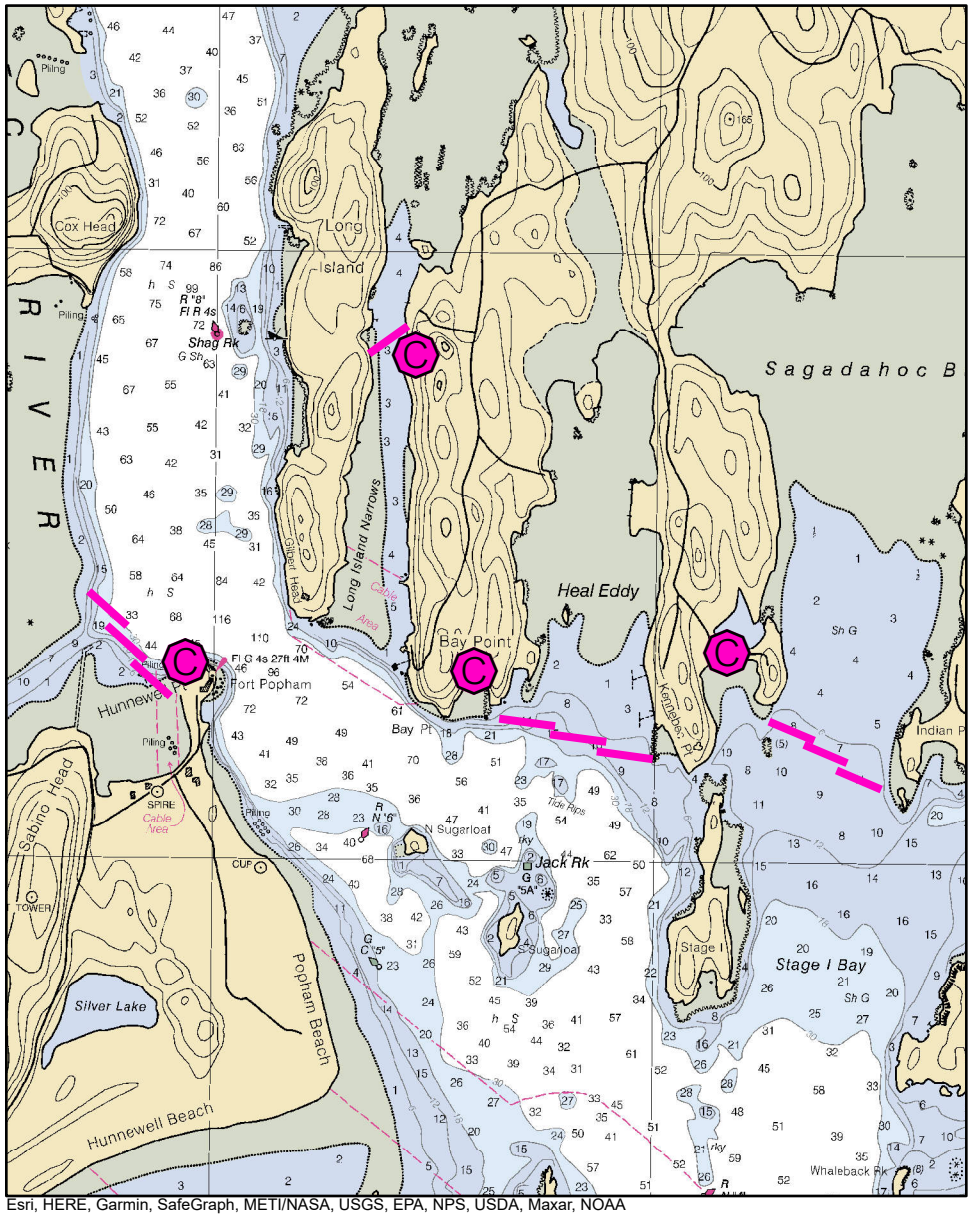
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-21-1 Lower Kennebec River

**Town** Phippsburg / Georgetown
**Latitude** 43° 45.2' N **Longitude** -69° 46.193' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** 1 knot **Ebb**
**Source** Local knowledge estimate

**Port Region** Casco Bay
**NOAA Chart #** 13293_1
**ESI Map #** 46C, 45D
**EVI Map #** 16, 15
**DeLorme Map # (2019)** 6 D5

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)
**ESI Secondary Shoreline Type** Exposed tidal flats (7)

**Environmental Concerns** Piping plover / Least tern and Roseate tern nesting areas. Shorebird habitat and shellfish beds, diadromous fish and historical sites. Notify Maine Dept. of Inland Fisheries & Wildlife and Maine Historical Preservation Commission.

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To divert oil before it enters Atkins Bay, Heal Eddy and Sagadahoc Bay

**Staging Areas** Ft. Popham State Historic Site parking lot, Popham Rd., Phippsburg

**Site Access** Fort Popham State Historic Site, Fernwood Lane, Georgetown, Bay Point and Kennebec Point (see collection areas)

**Nearest Boat Ramp** Kennebec River launch, 219 Fiddler's Reach Rd, Phippsburg (all-tide)

**Collection Points** Possible collection areas: Vicinity of Fort Popham (Atkins Bay); shoreline near 35 Fernwood Lane, Georgetown (Long Island); beach near 39 First Beach Road, Georgetown (Heal Eddy); and beach near 41 Little Harbor Head Lane, Georgetown (Sagadahoc Bay)

**Special Instructions** Contact Maine State Historical Preservation Commission and Maine Dept. of Inland Fisheries and Wildlife prior to deployment.

**Work Assignment** Primary: Deploy three 400' sections of boom from the vicinity of the Popham Beach / Seguin Island Ferry Landing at Fort Popham across the channel in Atkins Bay.

Secondaries: 1. Deploy 500' of boom across the channel between Long Island and Georgetown mainland. 2. Deploy three 500 foot sections of boom across the entrance of Heal Eddy. 3. Deploy three 400' sections of boom across the entrance to Sagadahoc Bay.

## Recommended Equipment / Resources

**Length of Boom (feet)**

**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**

Primary:
5 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
1 - shoreside connection
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

For each secondary strategy:
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

Long Island: 2 shoreside connections
Heal Eddy: 6 anchor systems
Sagadahoc Bay: 6 anchor systems

Each anchor system with 36 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 3/6/2018 **Last Field Visit** **Last Field Test:**

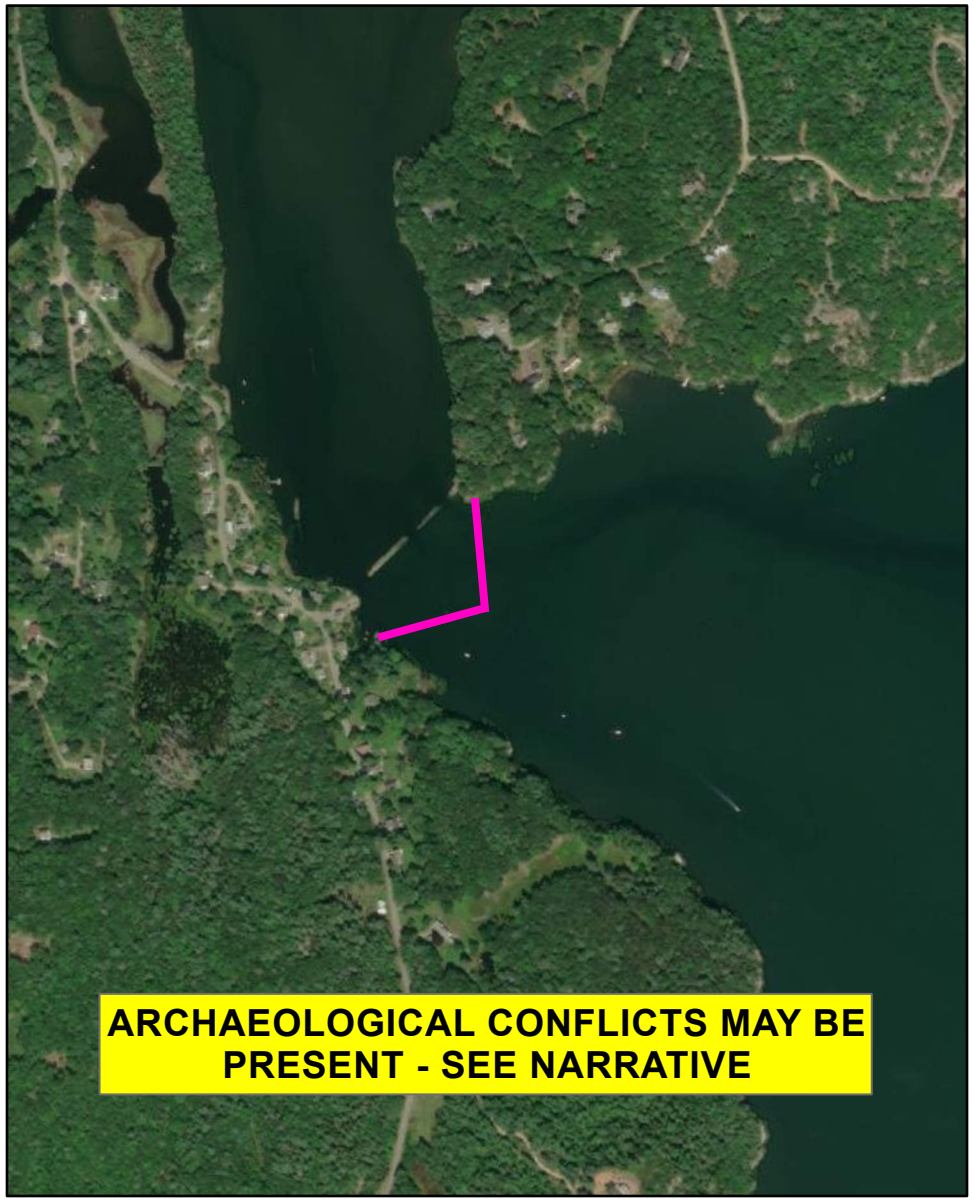
# B-22-1

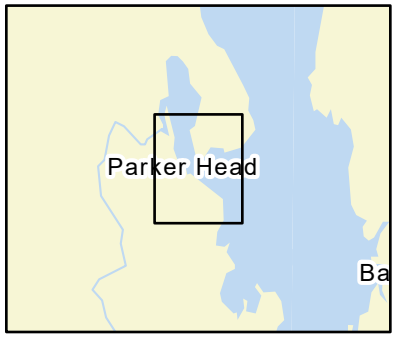
## Lower Kennebec River / Mill Pond

## Phippsburg, ME

0 925 1,850 Feet

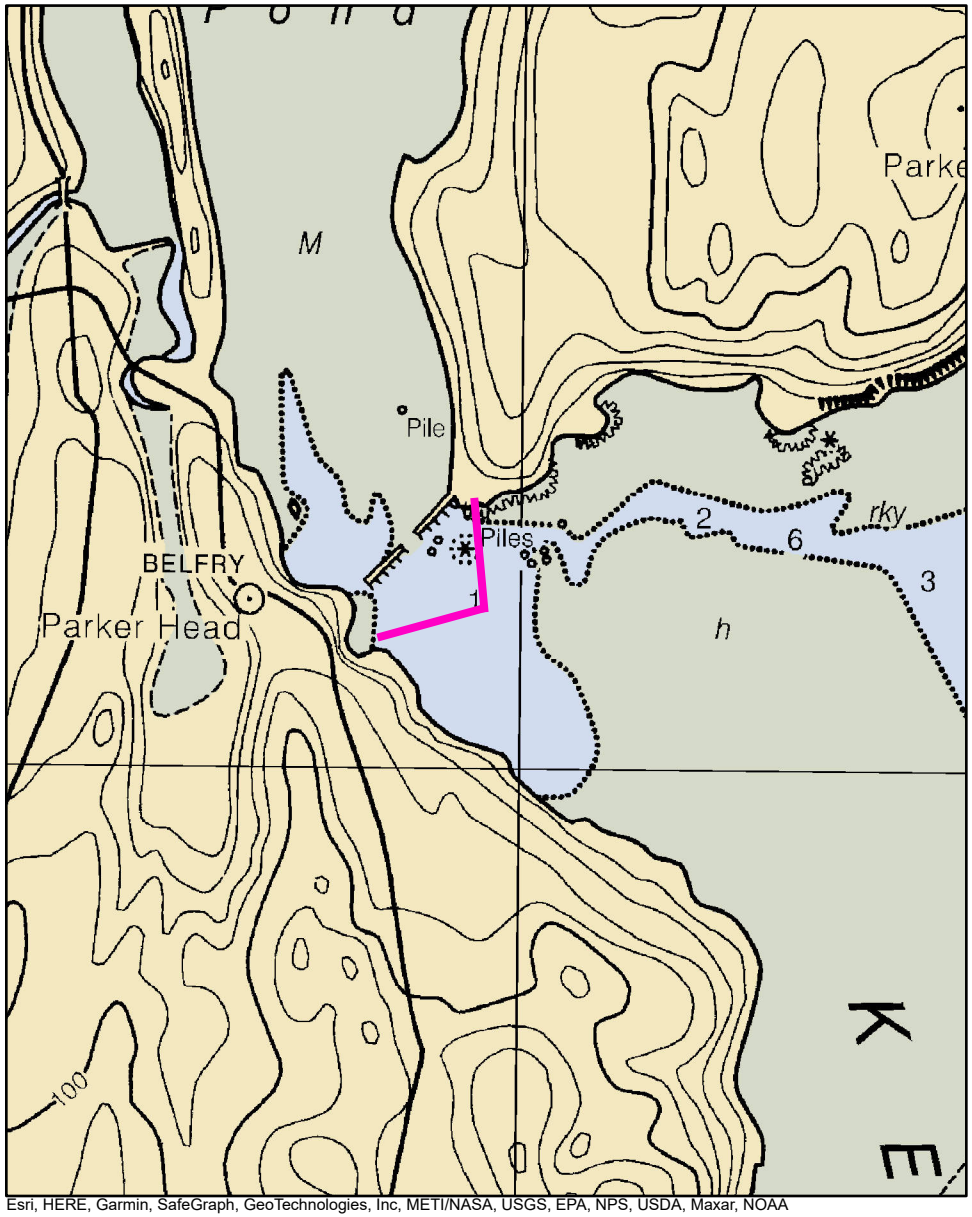
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-22-1 Lower Kennebec River / Mill Pond

**Town** Phippsburg
**Latitude** 43° 47.113' N **Longitude** -69° 48.068' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Casco Bay
**NOAA Chart #** 13293_1
**ESI Map #** 46C, 46A
**EVI Map #** 15, 19
**DeLorme Map # (2019)** 6 D5

## Resources At Risk

**ESI Primary Shoreline Type** Vegetated low banks (9B)
**ESI Secondary Shoreline Type** Exposed, solid man-made structures (1B)

**Environmental Concerns** Shorebirds, eelgrass and shellfish beds in cove

**Archaeological Conflicts** Avoid old mill dam located north of boom. Deployments where this will be affected will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To exclude oil from Mill Cove. Possible collection on west side off of Parker Cove Road

**Staging Areas** Kennebec River launch, Fiddler's Reach Road, Phippsburg

**Site Access** By water. Possible collection area near 582 Parker Head Rd off Rt. 209

**Nearest Boat Ramp** Kennebec River boat launch, 219 Fiddler's Reach Road, Phippsburg (all tide)

**Collection Points** Possible collection point near 582 Parker Head Road off Route 209 in Phippsburg

**Special Instructions** Large flow through culvert

**Work Assignment** Deploy two 400' sections of boom at the mouth of Mill Pond to form an exclusion apex.

## Recommended Equipment / Resources

**Length of Boom (feet)** 800
**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 3/29/2018 **Last Field Visit** **Last Field Test:**

# B-23-1

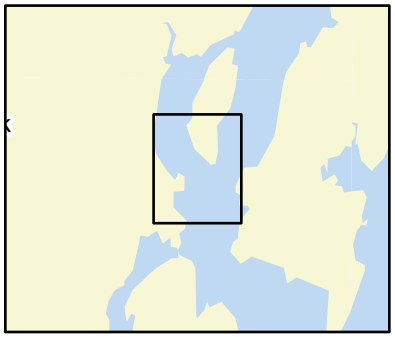
## Lower Kennebec River / Drummore Bay

## Phippsburg, ME

0 830 1,660 Feet

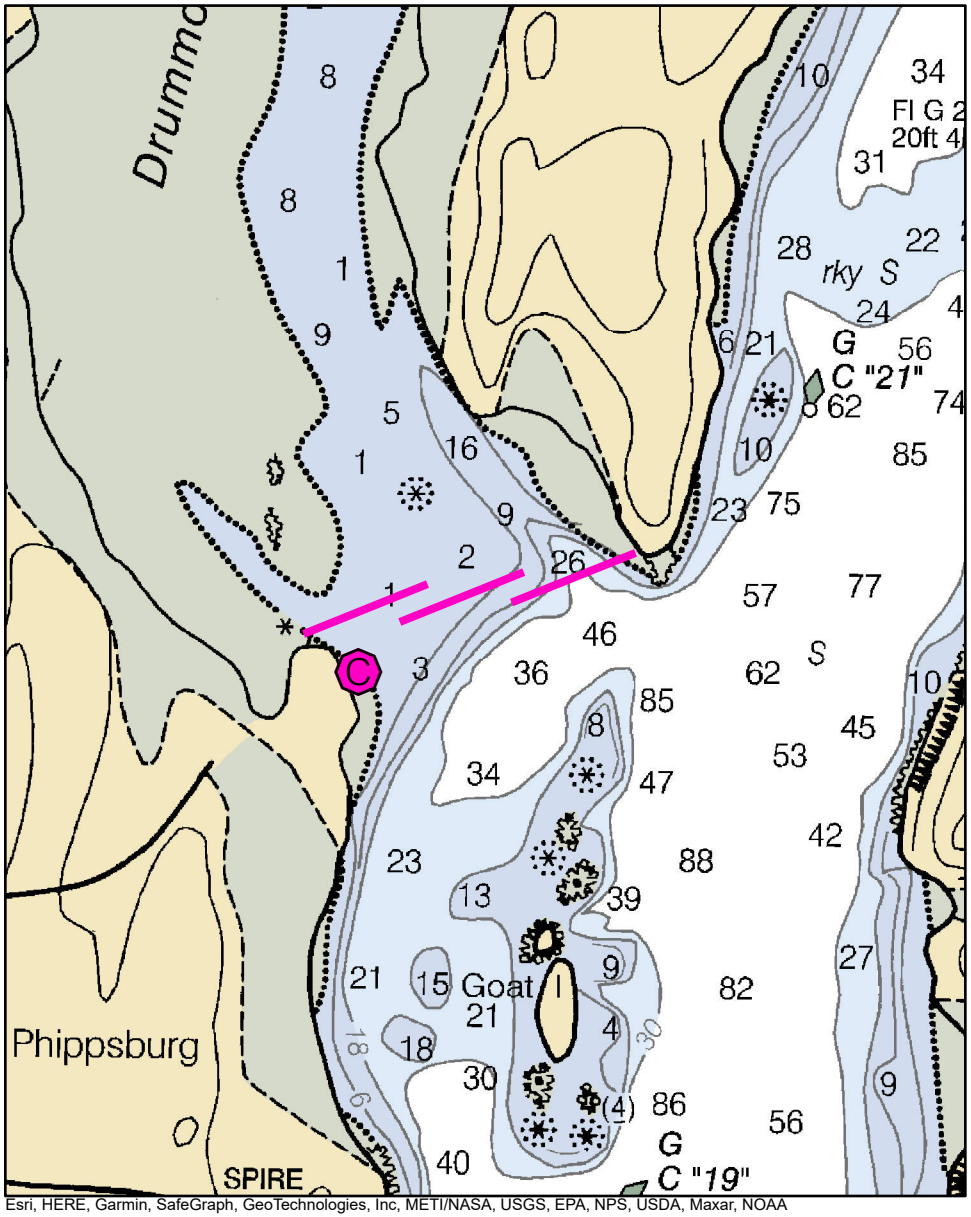
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-23-1 Lower Kennebec River / Drummore Bay

**Town** Phippsburg
**Latitude** 43° 49.522'N **Longitude** -69° 48.458' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Casco Bay
**NOAA Chart #** 13293_1
**ESI Map #** 46A
**EVI Map #** 19
**DeLorme Map # (2019)** 6 D5

## Resources At Risk

**ESI Primary Shoreline Type** Riprap (6B)
**ESI Secondary Shoreline Type** Exposed rocky shores (1A)

**Environmental Concerns** Shorebird area, saltmarsh

**Archaeological Conflicts** Minimize surface disturbance on Lee Island through use of tree straps or anchoring to boulders (if possible). Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert/exclude oil from Drummore Bay and adjoining marsh

**Staging Areas** Possibly at parking area off of Cranberry Point Road off of Rte. 209 in Phippsburg, Kennebec River launch, Fiddler's Reach Road, Phippsburg.

**Site Access** By water. Possible collection or staging from vicinity of 57 Cranberry Point Road, Phippsburg

**Nearest Boat Ramp** Kennebec River boat launch, 219 Fiddler's Reach Rd., Phippsburg

**Collection Points** Possibly from vicinity of 57 Cranberry Point Road, Phippsburg

**Special Instructions**

**Work Assignment** Deploy three 400 foot sections of boom between Phippsburg mainland and Lee Island

## Recommended Equipment / Resources

**Length of Boom (feet)** 1200

**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**

4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 3/30/2018 **Last Field Visit** **Last Field Test:**

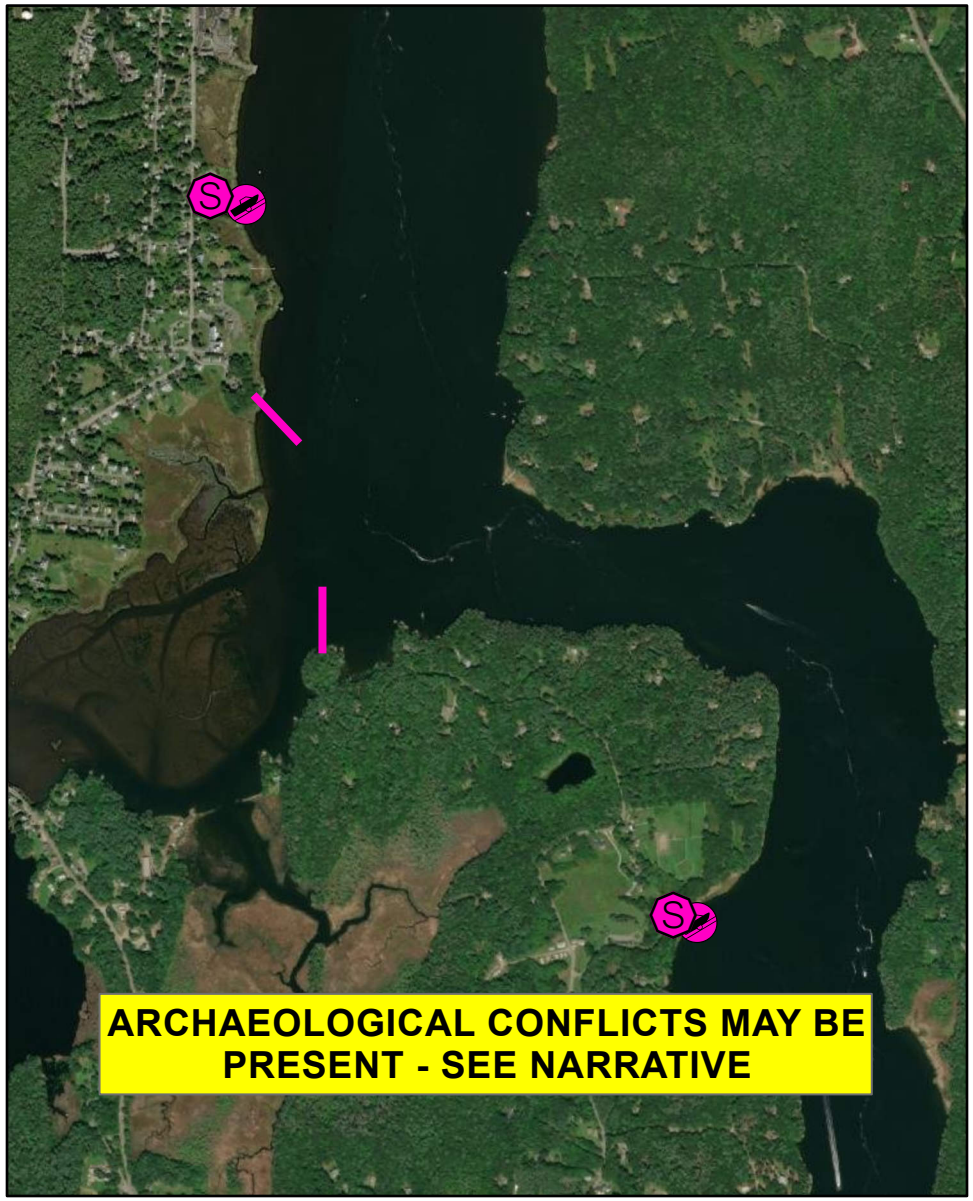
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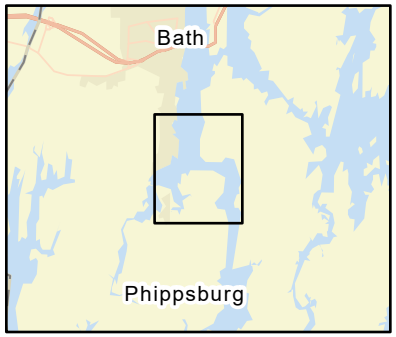
## Middle Kennebec River / Winnegance

## Phippsburg, ME

0 2,000 4,000 Feet

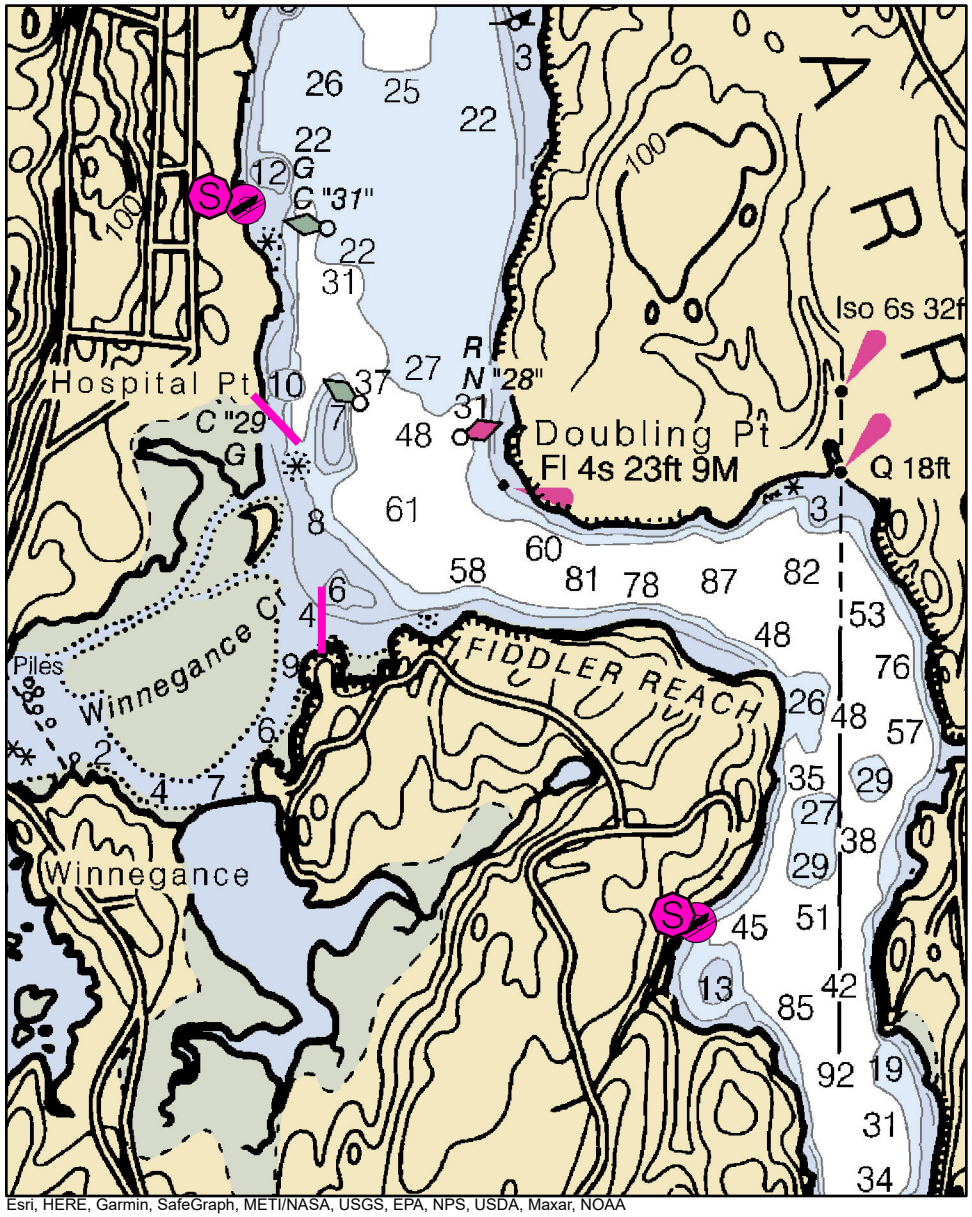
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-24-1 Middle Kennebec River / Winnegance

**Town** Bath / Arrowsic
**Latitude** 43° 52.911' N **Longitude** -69° 48.776' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** Minimal inside cree **Ebb**
**Source** Observed

**Port Region** Casco Bay
**NOAA Chart #** 13293_1
**ESI Map #** 46A
**EVI Map #** 19
**DeLorme Map # (2019)** 6 C5

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered tidal flats (9A)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Significant alewife run and ladder in Winnegance Bay. Salt marshes and shorebird habitat

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design for southern staging area will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To deflect oil from Winnegance Bay.

**Staging Areas** South End boat ramp, 81 Washington Street, Bath or Kennebec River launch, 219 Fiddler's Reach Road, Phippsburg.

**Site Access** By water

**Nearest Boat Ramp** South End boat ramp, 81 Washington Street, Bath or Kennebec River boat launch, 219 Fiddler's Reach Road, Phippsburg.

**Collection Points** N/A

**Special Instructions** Head of tide is at Route 209. Per observations, water will tend to stay in main Kennebec channel.

**Work Assignment** Deploy two 500' sections of boom at sides of Winnegance Bay to deflect oil.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1000

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
2 - shoreside connections
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 4/2/2018 **Last Field Visit** **Last Field Test:**

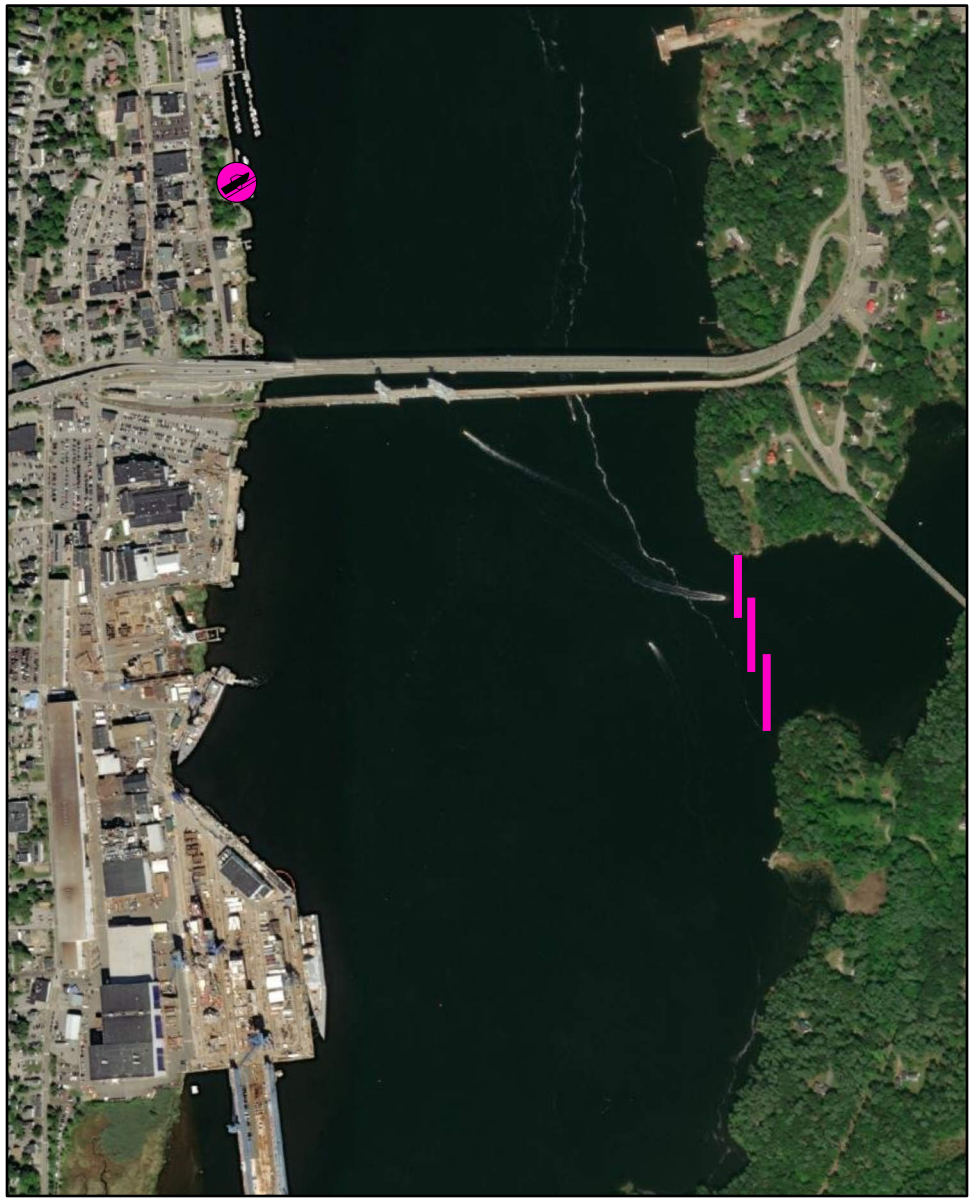
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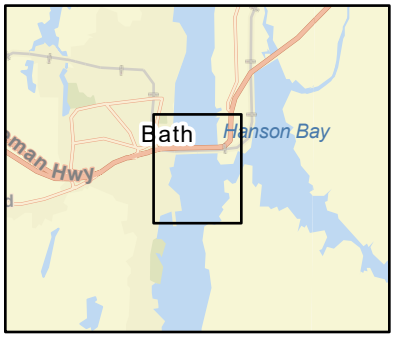
## Middle Kennebec River / Sasanoa River

## Woolwich / Arrowsic, ME

0 1,000 2,000 Feet

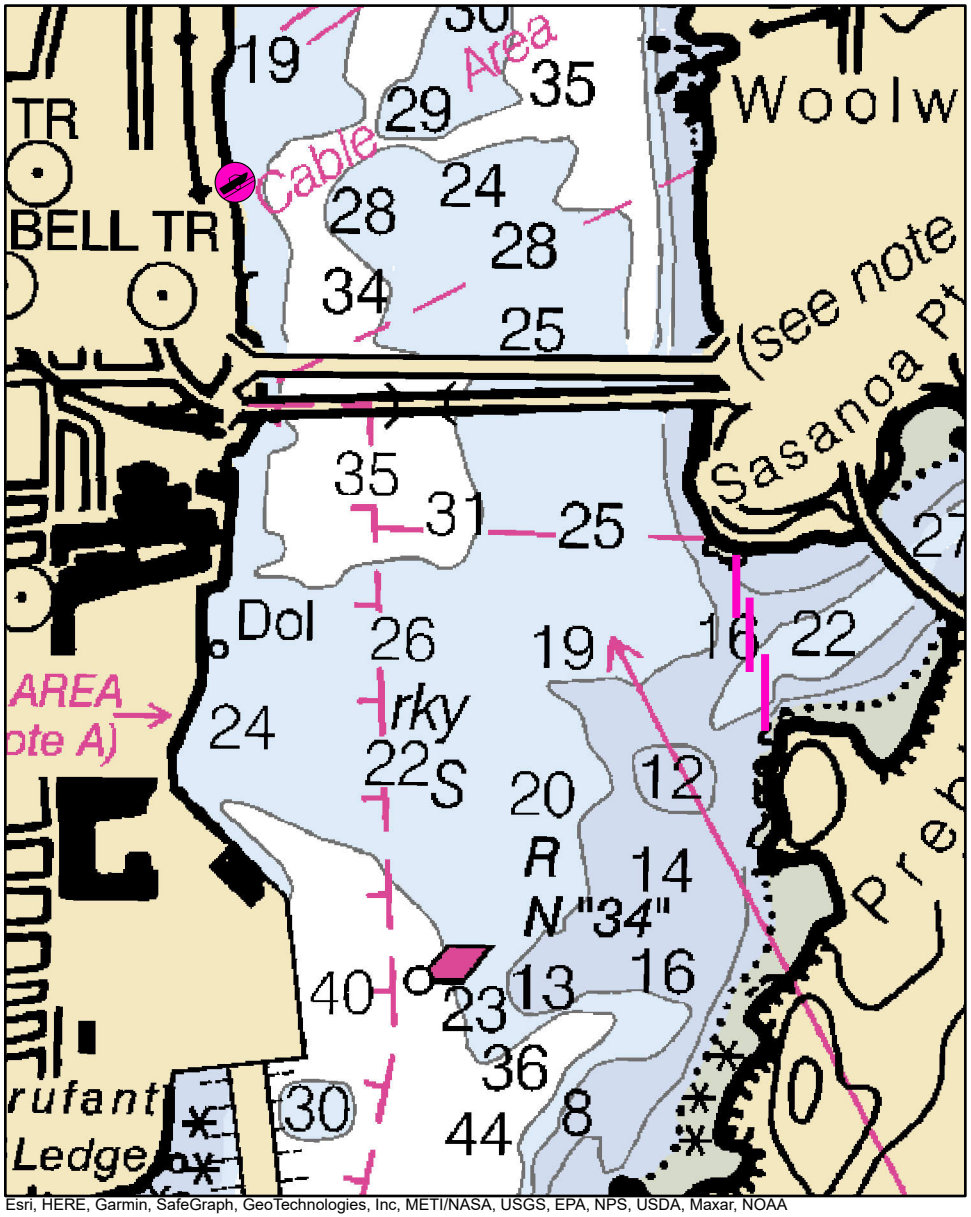
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-24-2 Middle Kennebec River / Sasanoa River

**Town** Woolwich / Arrowsic
**Latitude** 43° 54.503' N **Longitude** -69 48.201' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Casco Bay
**NOAA Chart #** 13293_1
**ESI Map #** 40C
**EVI Map #** 19
**DeLorme Map # (2019)** 6 C5

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered rocky shores (8A)
**ESI Secondary Shoreline Type** Sheltered tidal flats (9A)

**Environmental Concerns** Diadromous fish, shorebirds, rare plants

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To exclude oil from Sasanoa River

**Staging Areas** South End boat launch, 81 Washington Street, Bath

**Site Access** By water

**Nearest Boat Ramp** South End boat launch, 81 Washington Street, Bath

**Collection Points** N/A

**Special Instructions**

**Work Assignment** Deploy three 300' sections of boom across entrance to Sasanoa River

## Recommended Equipment / Resources

**Length of Boom (feet)** 900

**Type of Boom** Harbor

**Recommended Equipment (Minimum)**
4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
2 - shoreside connections
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 4/2/2018 **Last Field Visit** **Last Field Test:**

# B-25-1

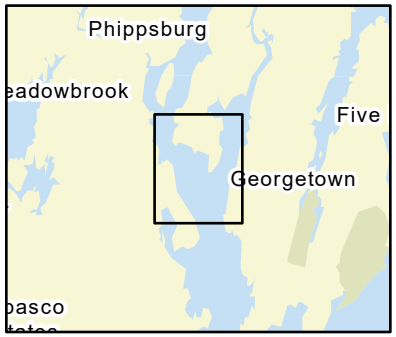
## Back River - Spill from Downriver

## Arrowsic / Georgetown, ME

0 2,000 4,000 Feet

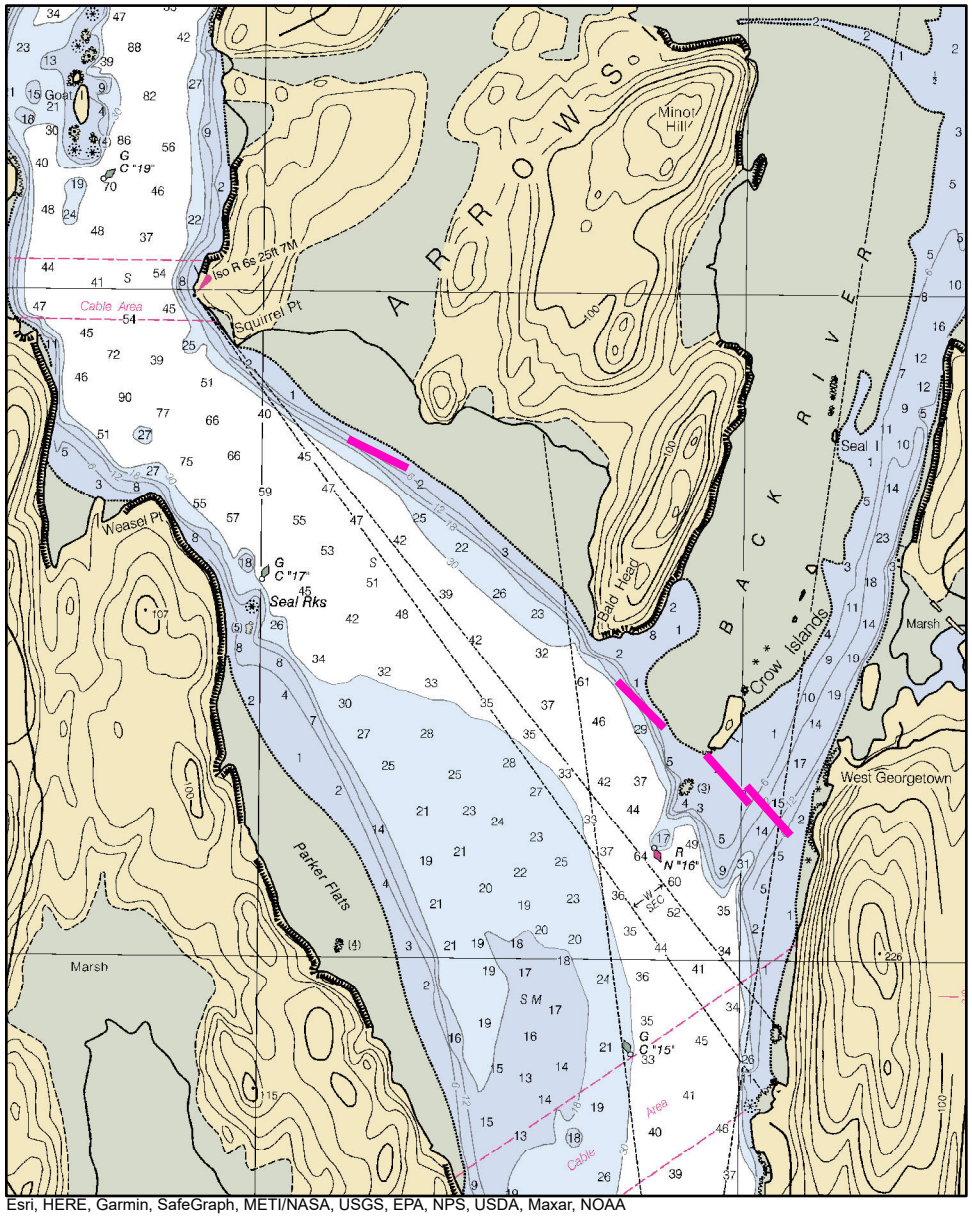
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-25-1 Back River - Spill from Downriver

**Town** Arrowsic / Georgetown
**Latitude** 43° 48.154' N **Longitude** -69° 46.733' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Casco Bay
**NOAA Chart #** 13293_1
**ESI Map #** 46A
**EVI Map #** 19
**DeLorme Map # (2019)** 6 D5

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Salt marsh, shorebird and waterfowl habitat, diadromous fish, rare plants

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To exclude / deflect oil from Back River and Squirrel Point marsh

**Staging Areas** Kennebec River boat launch, 219 Fiddler's Reach Road, Phippsburg

**Site Access** By water

**Nearest Boat Ramp** Kennebec River boat launch, 219 Fiddler's Reach Road, Phippsburg

**Collection Points** N/A

**Special Instructions**

**Work Assignment** Deploy two 500 foot sections of boom across the main channel of the Back River. Deploy a third 500 foot section of deflection boom between Crow Island and Bald Head. Deploy a fourth 500 foot section of boom to deflect oil from Squirrel Point marsh

## Recommended Equipment / Resources

**Length of Boom (feet)** 1000
**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
6 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
2 - shoreside connections
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 4/3/2018 **Last Field Visit** **Last Field Test:**

# B-25-2

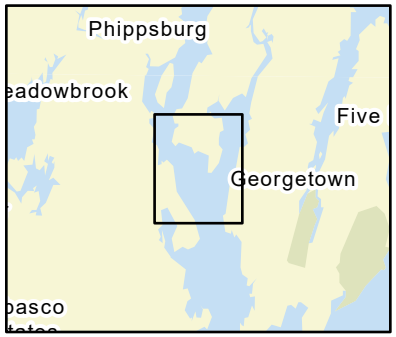
## Back River - Spill from Upriver

## Arrowsic / Georgetown, ME

0 2,000 4,000 Feet

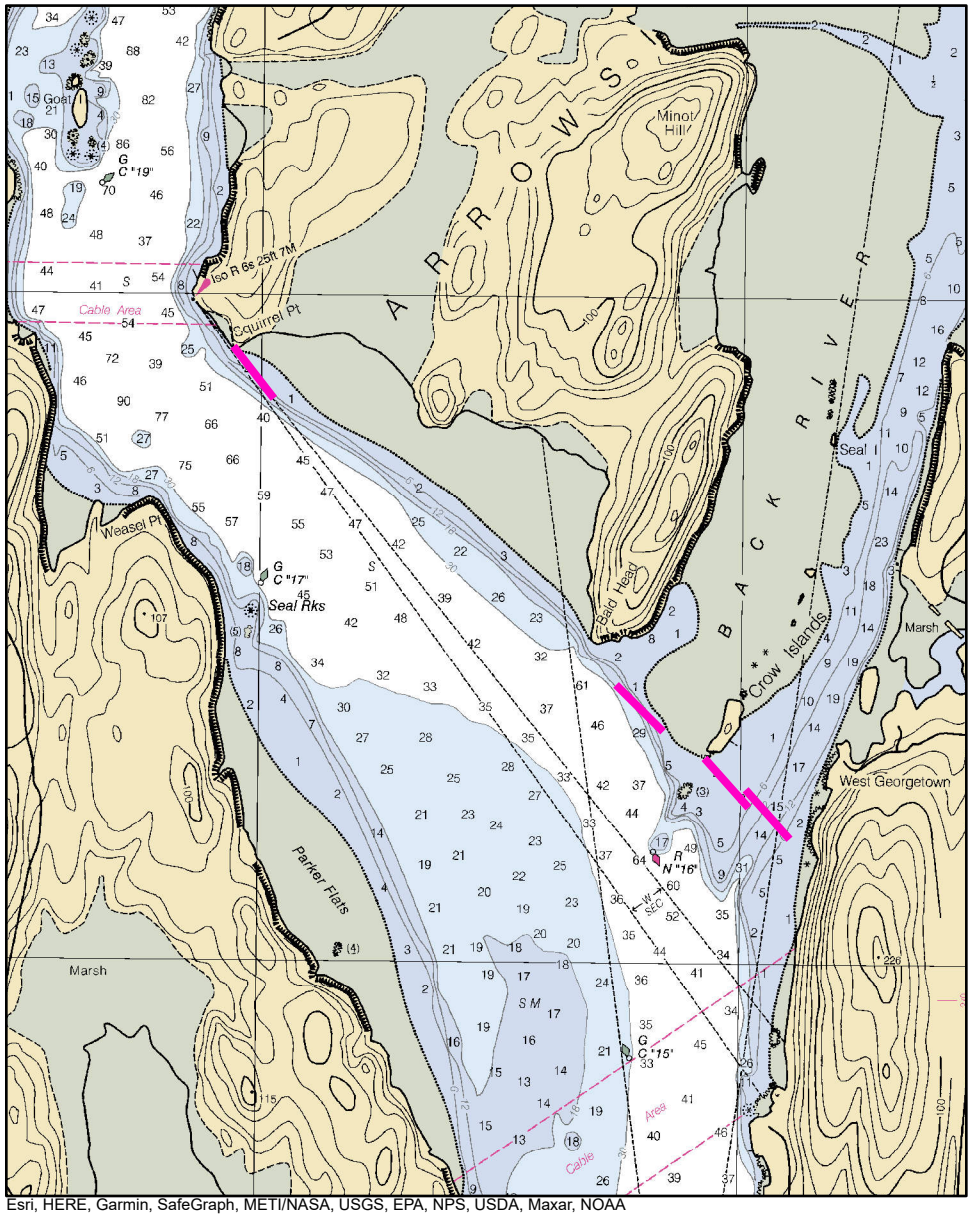
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-25-2 Back River - Spill from Upriver

**Town** Arrowsic / Georgetown
**Latitude** 43° 48.154' N **Longitude** -69° 46.733
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Casco Bay
**NOAA Chart #** 13293_1
**ESI Map #** 46A
**EVI Map #** 19
**DeLorme Map # (2019)** 6 D5

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Saltmarsh, shorebird and waterfowl habitat, diadromous fish, rare plants

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To exclude / deflect oil from Back River and Squirrel Point marsh

**Staging Areas** Kennebec River boat launch, 219 Fiddler's Reach Road, Phippsburg

**Site Access** By water

**Nearest Boat Ramp** Kennebec River boat launch, 219 Fiddler's Reach Road, Phippsburg

**Collection Points** N/A

**Special Instructions**

**Work Assignment** Deploy one 500 foot section of boom at Squirrel Point to deflect oil away from marsh. Place a second 500 foot section of boom between Crow's Island and Bald Head to deflect from Back River. Place two additional 500 foot sections of boom across the main channel of Back River.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1000
**Type of Boom** 12" - 18" collection boom

**Recommended Equipment (Minimum)**
6 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.
2 - shoreside connections
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 4/3/2018 **Last Field Visit** **Last Field Test:**

# B-26-1

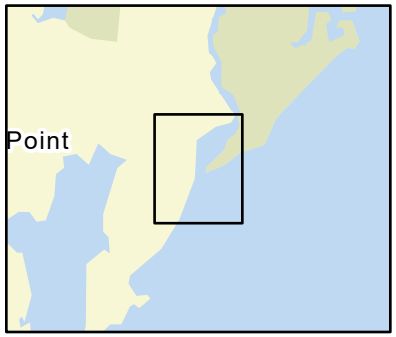
## Little River - Georgetown

## Georgetown, ME

0 725 1,450 Feet

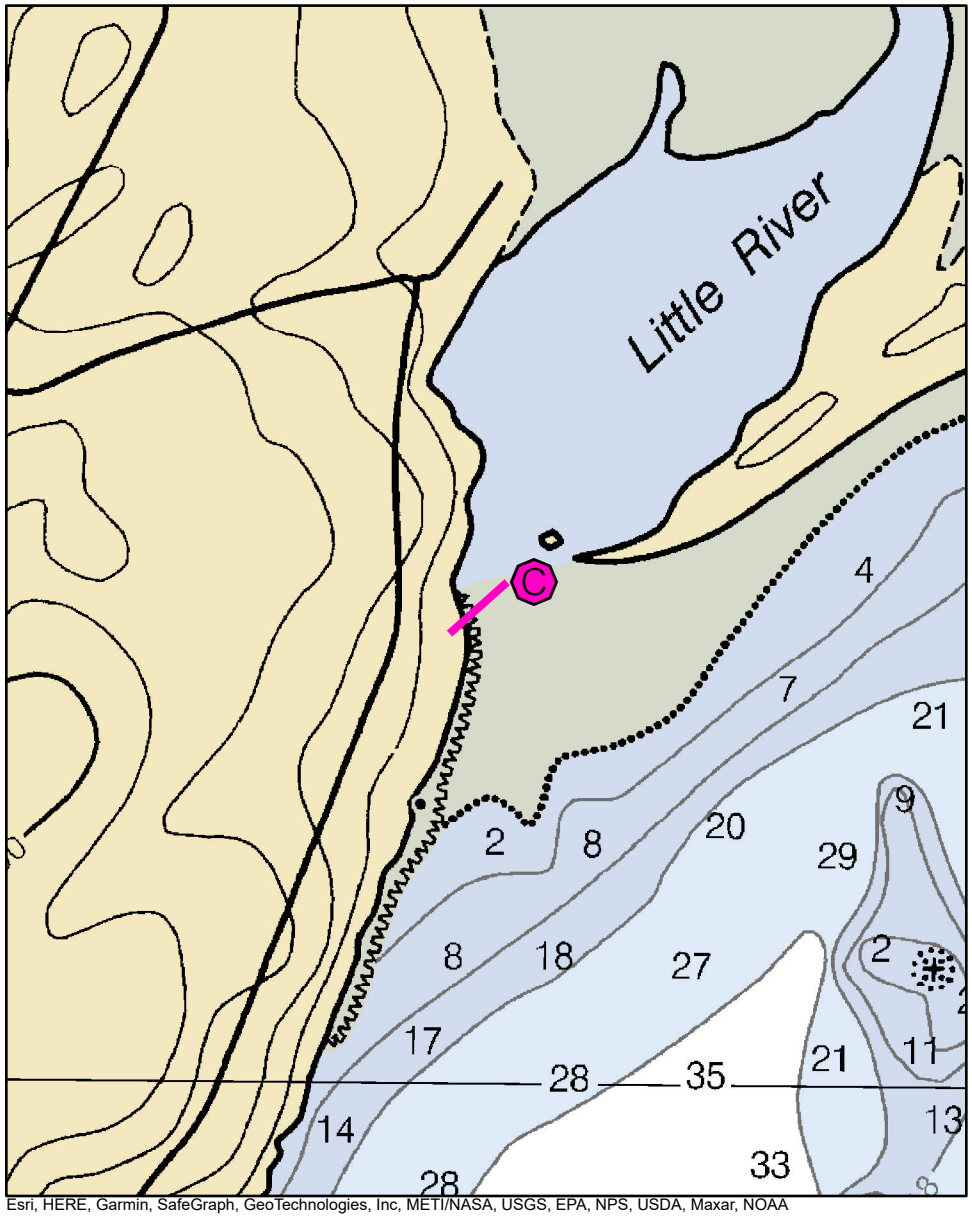
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-26-1 Little River - Georgetown

**Town** Georgetown
**Latitude** 43° 46.236' N **Longitude** -69 44.476' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Casco Bay
**NOAA Chart #** 13293_1
**ESI Map #** 45D
**EVI Map #** 16
**DeLorme Map # (2019)** 7 D1

## Resources At Risk

**ESI Primary Shoreline Type** Exposed tidal flats (7)
**ESI Secondary Shoreline Type** Coarse grained sand beach (4)

**Environmental Concerns** Endangered species may be present: nesting areas for piping plovers / least terns and roseate terns. Contact Maine Department of Inland Fisheries & Wildlife. Saltmarsh associated with Little River. Shorebird and shellfish habitat. Reid State Park owns area to east side of river.

**Archaeological Conflicts** Utilize tree straps or boulder anchors on southwest end of boom if possible or keep within areas of existing disturbance. If items are found contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To exclude oil from Little River and marsh

**Staging Areas** Reid State Park Parking area; Kennebec River boat launch, Phippsburg; Back River boat launch, Boothbay

**Site Access** By water or from Reid State Park for east side.

**Nearest Boat Ramp** Kennebec River boat launch, 219 Fiddler's Reach Road, Phippsburg or Back River boat launch, West Barter's Island Rd, Boothbay

**Collection Points** Possibly from sand spit at Reid State Park on east side. West side from vicinity of 36 Loop Road, Georgetown or end of Moon Shell Lane (at end of Loop Road)

**Special Instructions** Very difficult access. Will need machine or boat to transport boom.

**Work Assignment** Deploy 250 - 500 feet of boom across Little River channel

## Recommended Equipment / Resources

**Length of Boom (feet)** 250 - 500

**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
1 -Vehicle capable of transporting boom on sand beach or small boat
2 - shoreside connections including line and rebar
3 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 4/3/2018 **Last Field Visit** **Last Field Test:**

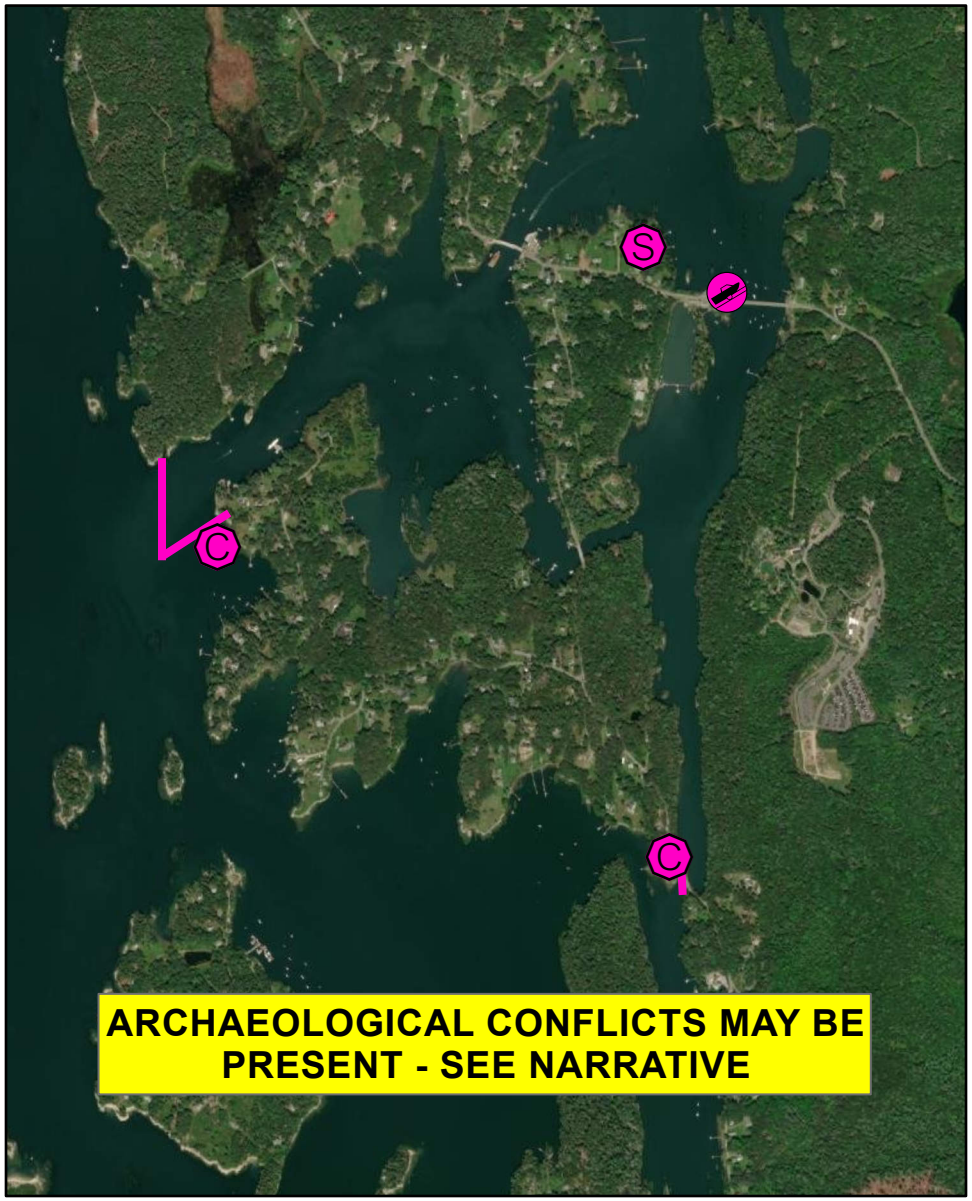
# B-27-1

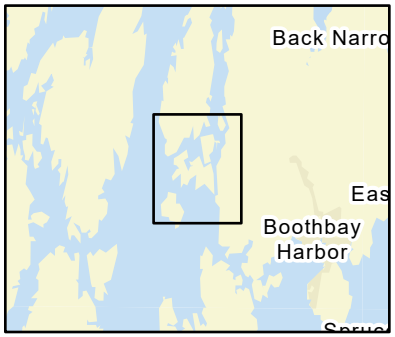
## Back and Cross Rivers

## Boothbay, ME

0 2,000 4,000 Feet

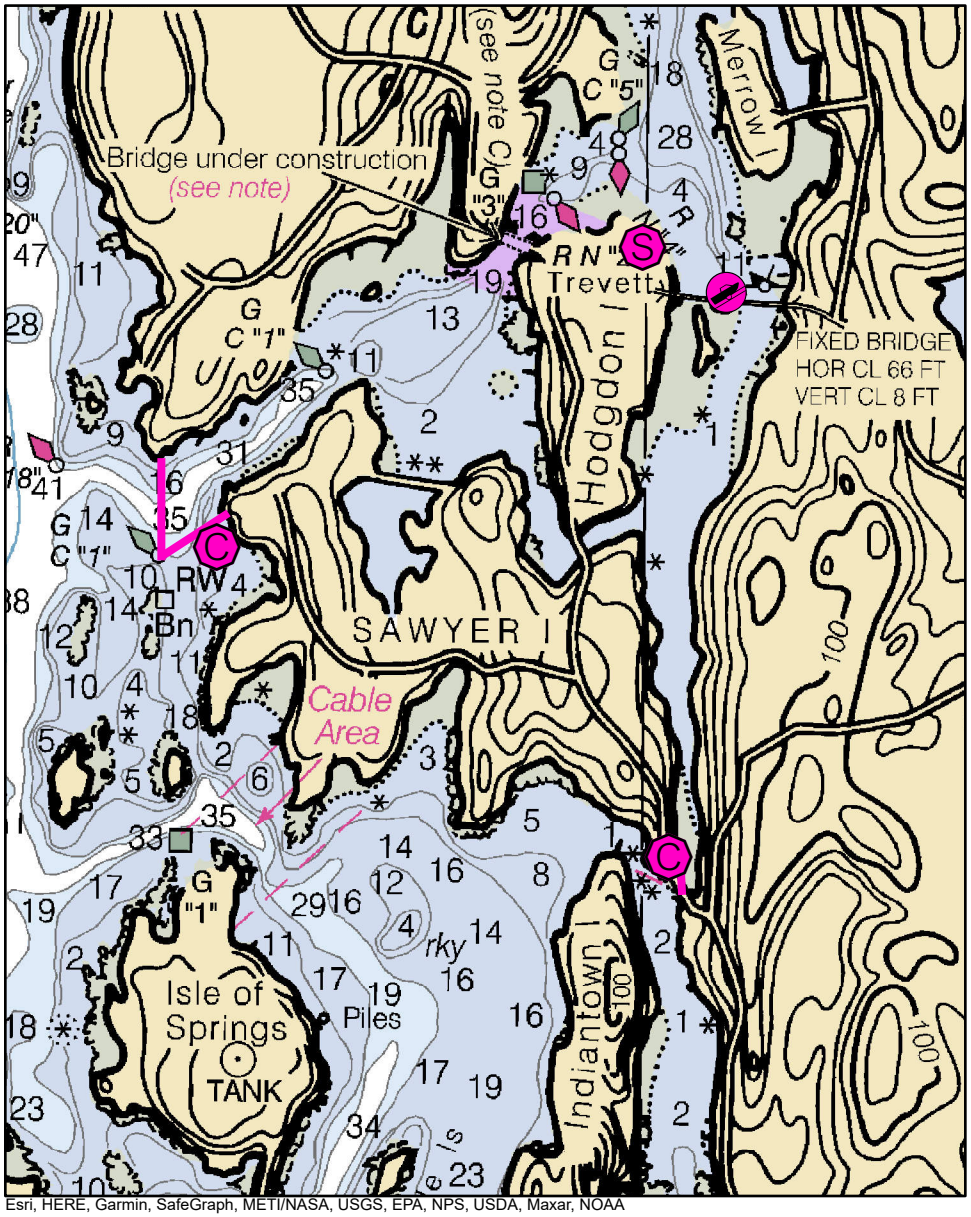
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-27-1 Back and Cross Rivers

**Town** Boothbay
**Latitude** 43° 52.53' N **Longitude** 69° 41.01' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** minimal **Ebb**
**Source** Observed

**Port Region** Casco Bay
**NOAA Chart #** 13296_1
**ESI Map #** 45B, 45A
**EVI Map #** 24
**DeLorme Map # (2019)** 7 C1

## Resources At Risk

**ESI Primary Shoreline Type** Mixed sand and gravel beaches (5)
**ESI Secondary Shoreline Type** Exposed rocky shores (1A)

**Environmental Concerns** Shellfish beds. Two lobster dealers and one lobster pound approx. 1 mile upstream. Mudflats and marine worm habitat upstream in Back River.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To exclude / divert oil from Back River

**Staging Areas** Knickerkane boat ramp, 333 Barter's Island Road, Boothbay

**Site Access** By water from Knickerkane boat ramp

**Nearest Boat Ramp** Knickerkane boat ramp, 333 Barter's Island Road, Boothbay

**Collection Points** At the cove on the Sawyer Island side of the boom.

**Special Instructions**

**Work Assignment** Deploy 150' of boom at southern Sawyer Island Bridge across channel. Deploy 650' section of boom from north western point of Sawyer Island in a southwesterly direction and anchor in the center of the river at Green Can "1". Deploy a second 850' section of boom in a south southeasterly direction from the opposite mainland point and anchor in the center of the river to form a apex configuration with the first section of boom.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1850
**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy
4 - shoreside connections
1 - portable skimmer
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 7/20/2004 **Last Field Test:**

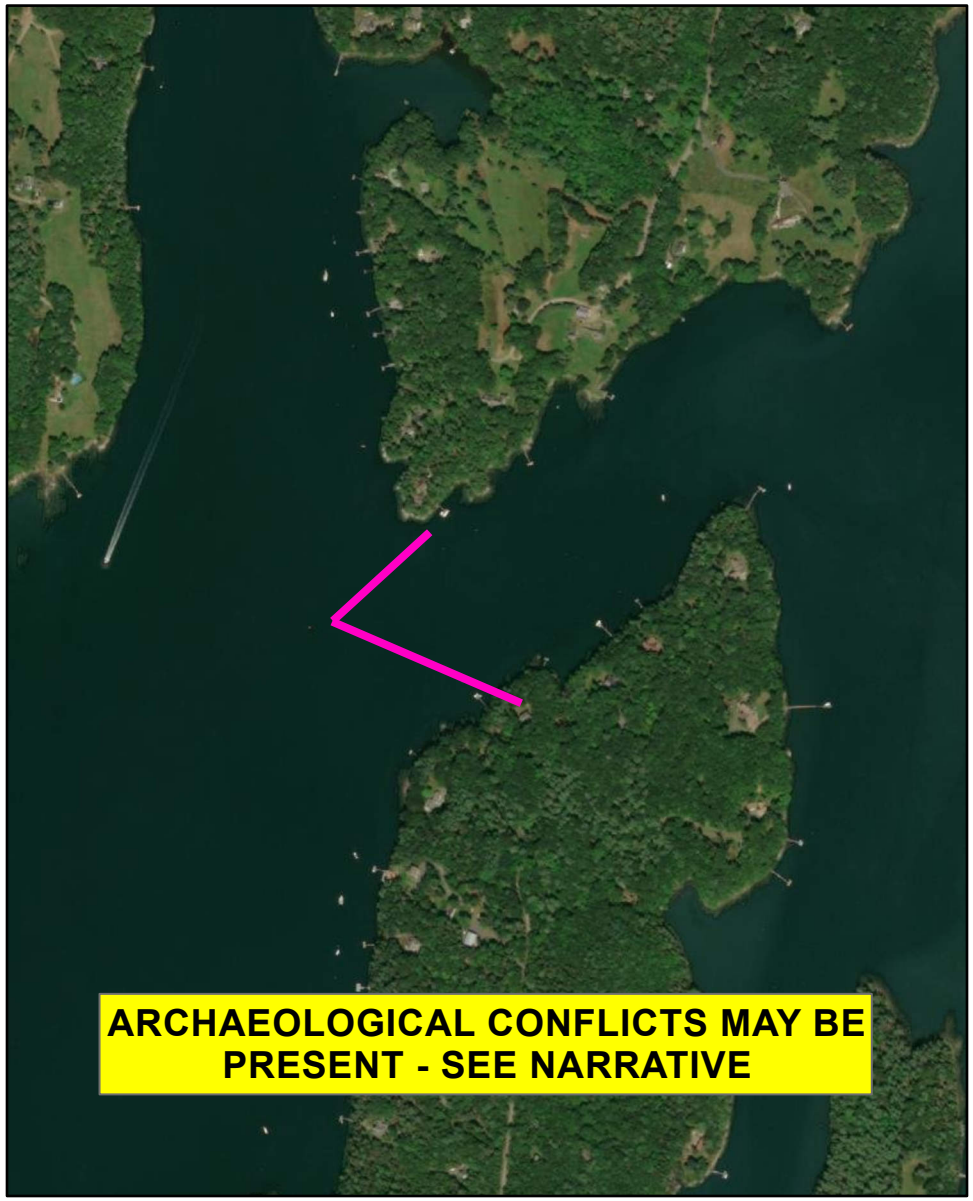
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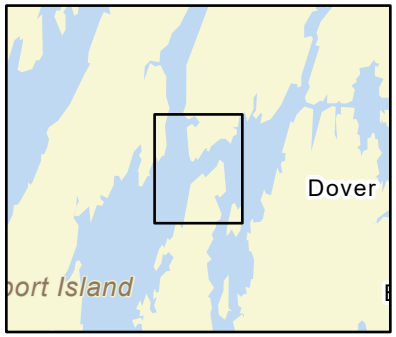
## Cross River at Sheepscot River

## Edgecomb / Boothbay, ME

0 1,000 2,000 Feet

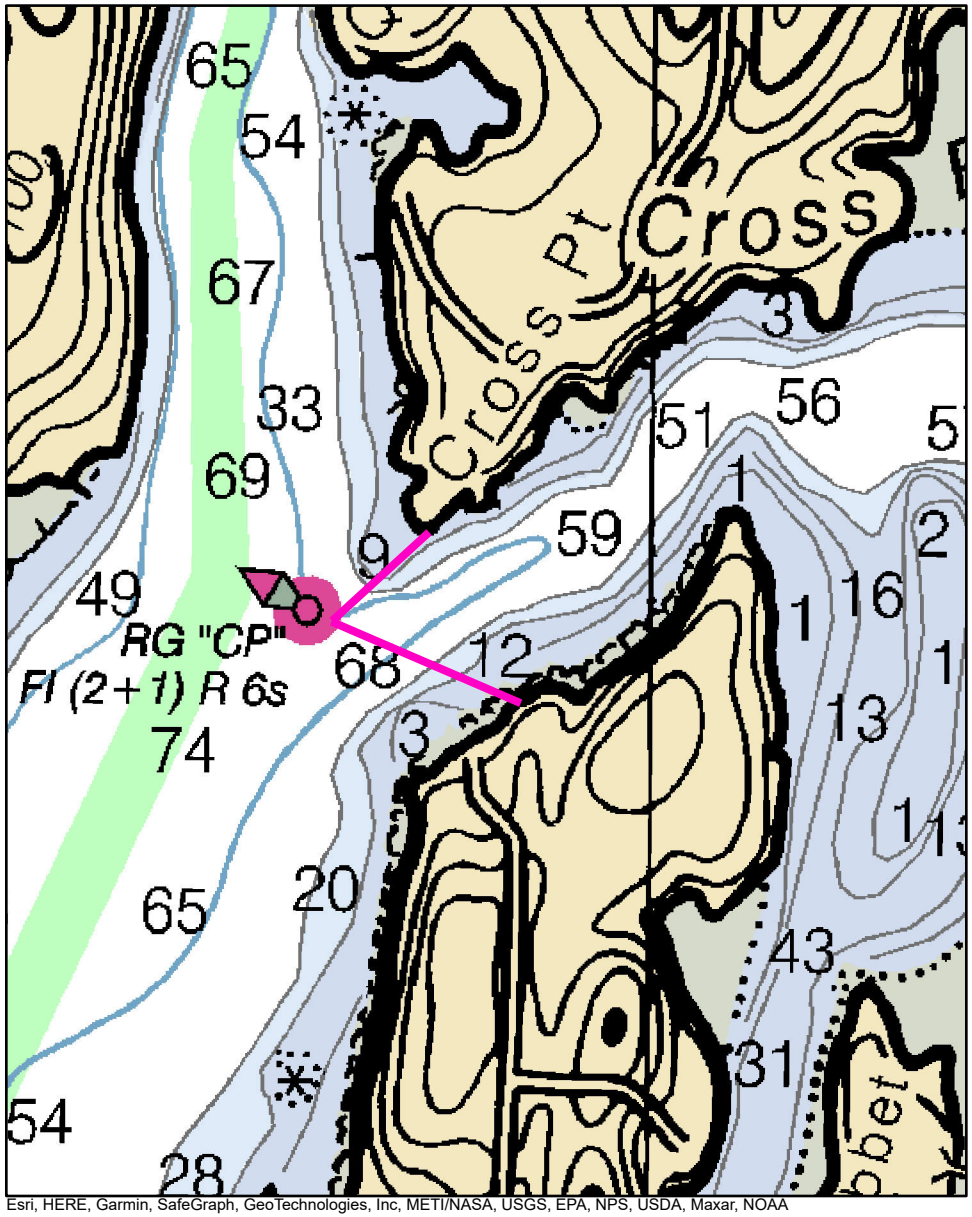
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




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# B-28-1 Cross River at Sheepscot River

**Town** Edgecomb / Boothbay
**Latitude** 43° 55.20' N **Longitude** 69° 40.33' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** <1 knot **Ebb**
**Source** Observed

**Port Region** Casco Bay
**NOAA Chart #** 13296_1
**ESI Map #** 39D
**EVI Map #** 24
**DeLorme Map # (2019)** 7 B1

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)

**ESI Secondary Shoreline Type** Mixed sand and gravel beaches (5)

**Environmental Concerns** Shellfish beds. Marine worm habitat. Diadromous fish and elver runs in Cross River.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To exclude oil from Cross River

**Staging Areas** Knickerkane boat ramp, 333 Barter's Island Road, Boothbay

**Site Access** By water from Knickerkane boat ramp

**Nearest Boat Ramp** Knickerkane boat ramp, 333 Bareter's Island Road, Boothbay

**Collection Points** N/A

**Special Instructions**

**Work Assignment** Deploy 600' of containment boom from Cross Point to vicinity of Red Gong "CP". Deploy a second leg of 1,000' of containment boom from Barter's Island to vicinity of Red Gong "CP".

## Recommended Equipment / Resources

**Length of Boom (feet)** 1600 **Type of Boom** Harbor Boom

**Recommended Equipment (Minimum)**
1 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy
2 - shoreside connections
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 7/20/2004 **Last Field Test:**

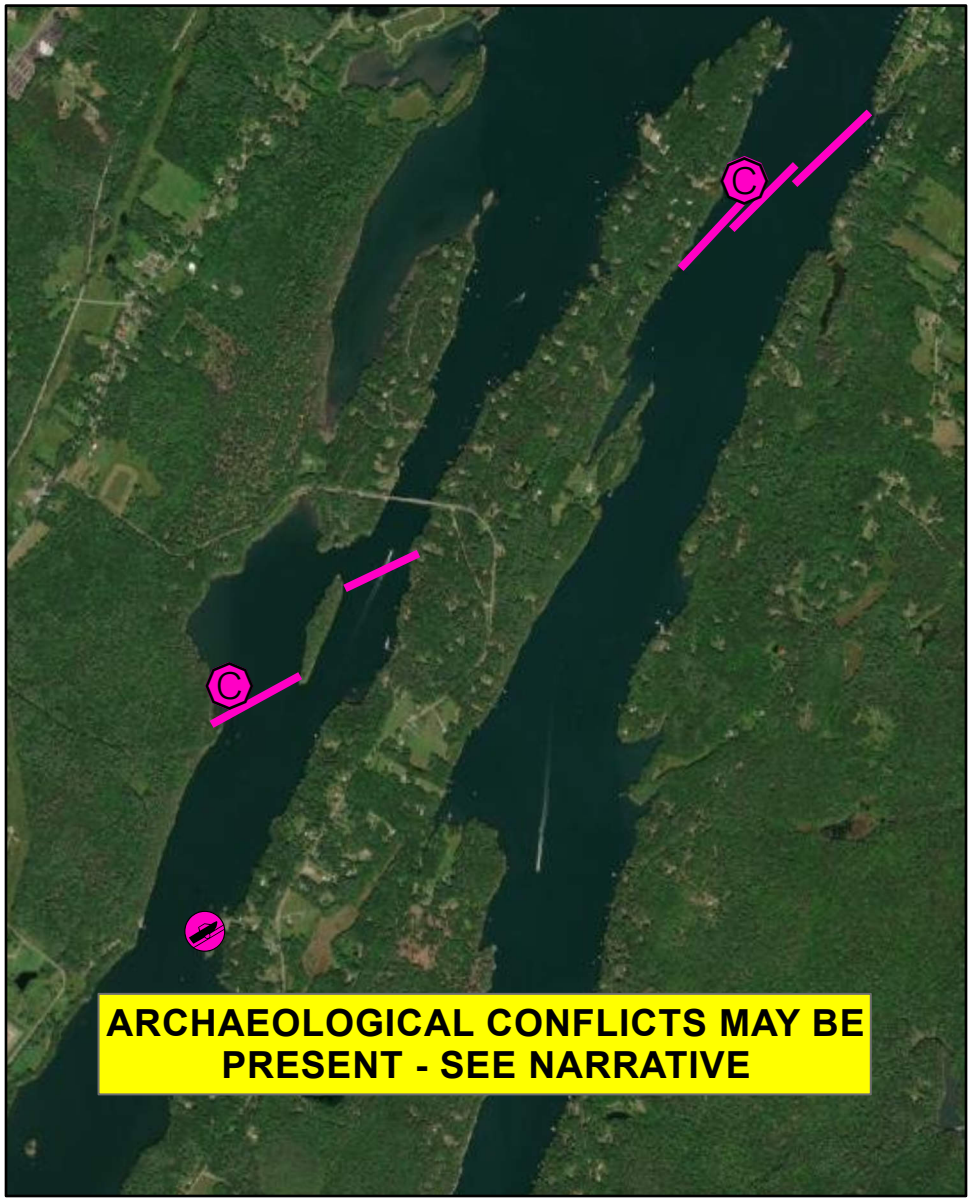
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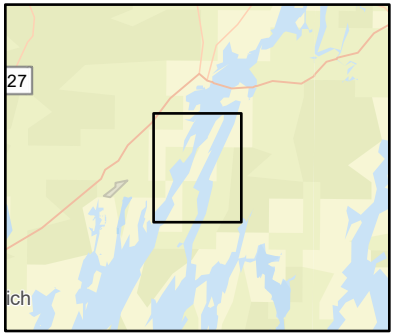
## North Edgecomb / Cushman Point

## Wiscasset / Westport / Edgecomb, ME

0 3,000 6,000 Feet

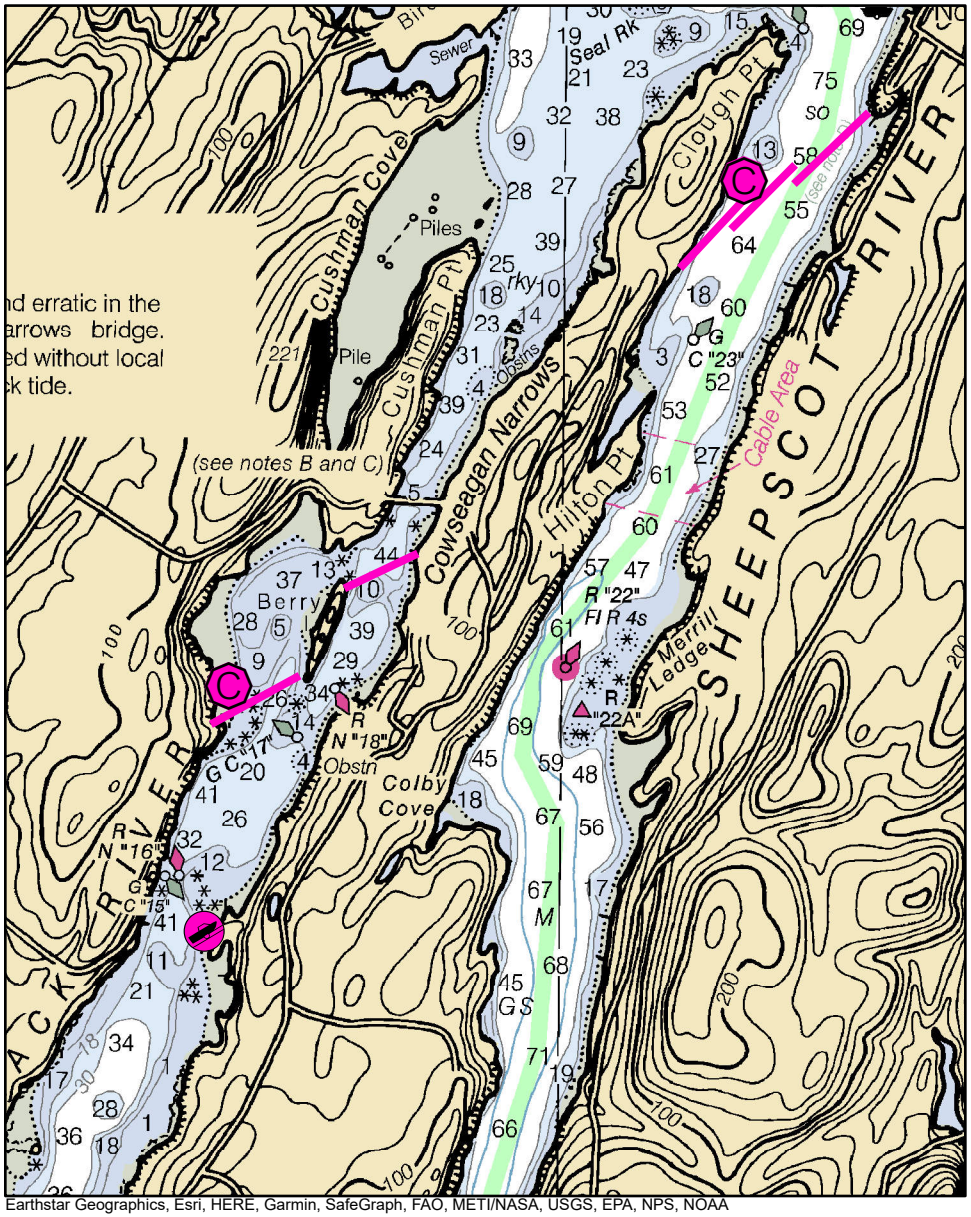
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Earthstar Geographics, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NOAA

# B-29-1 North Edgecomb / Cushman Pt.

**Town** Wiscasset / Westport / Edgecomb
**Latitude** 43° 59.03' N **Longitude** 69° 39.50' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** 1.6 **Ebb**
**Source** Maine Yankee (at Cushman Pt)

**Port Region** Casco Bay
**NOAA Chart #** 13293_1
**ESI Map #** 39D
**EVI Map #** 32
**DeLorme Map # (2019)** 7 B1

## Resources At Risk

**ESI Primary Shoreline Type** Vegetated low banks (9B)
**ESI Secondary Shoreline Type** Sheltered tidal flats (7)

**Environmental Concerns** Primary objective is to prevent oil from moving further up or down river to more sensitive areas.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To prevent oil from moving further upriver or downriver

**Staging Areas** Wright Landing Municipal Boat Launch, Ferry Road, Westport Island or Wiscasset Yacht Club, 2 Water Street, Wiscasset

**Site Access** By water from Westport Island or Wiscasset

**Nearest Boat Ramp** Wright Landing Municipal boat launch, Ferry Road, Westport Island or Wiscasset Yacht Club, 2 Water Street, Wiscasset

**Collection Points** Westport, Wiscasset, North Edgecomb shores

**Special Instructions**

**Work Assignment** Deploy three 1000' sections of harbor boom from Clough Pt. on Westport Island to the North Edgecomb shore. If threat is from upstream, deploy 1100 feet of boom from Wiscasset side to Berry Island, and 900 feet of harbor boom from Berry Island to Westport Island to trap oil into cove and prevent it from moving downstream.

## Recommended Equipment / Resources

**Length of Boom (feet)** 2000 - 3000

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

Threat from upstream:

4 - shoreside connections
1 - portable skimmer
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

Threat from downstream:

4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy
2 - shoreside connections
1 - portable skimmer
2 - workboats with minimum 90 hp
2 - boat operators
4 -6 laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 7/20/2004 **Last Field Test:**

# B-30-1

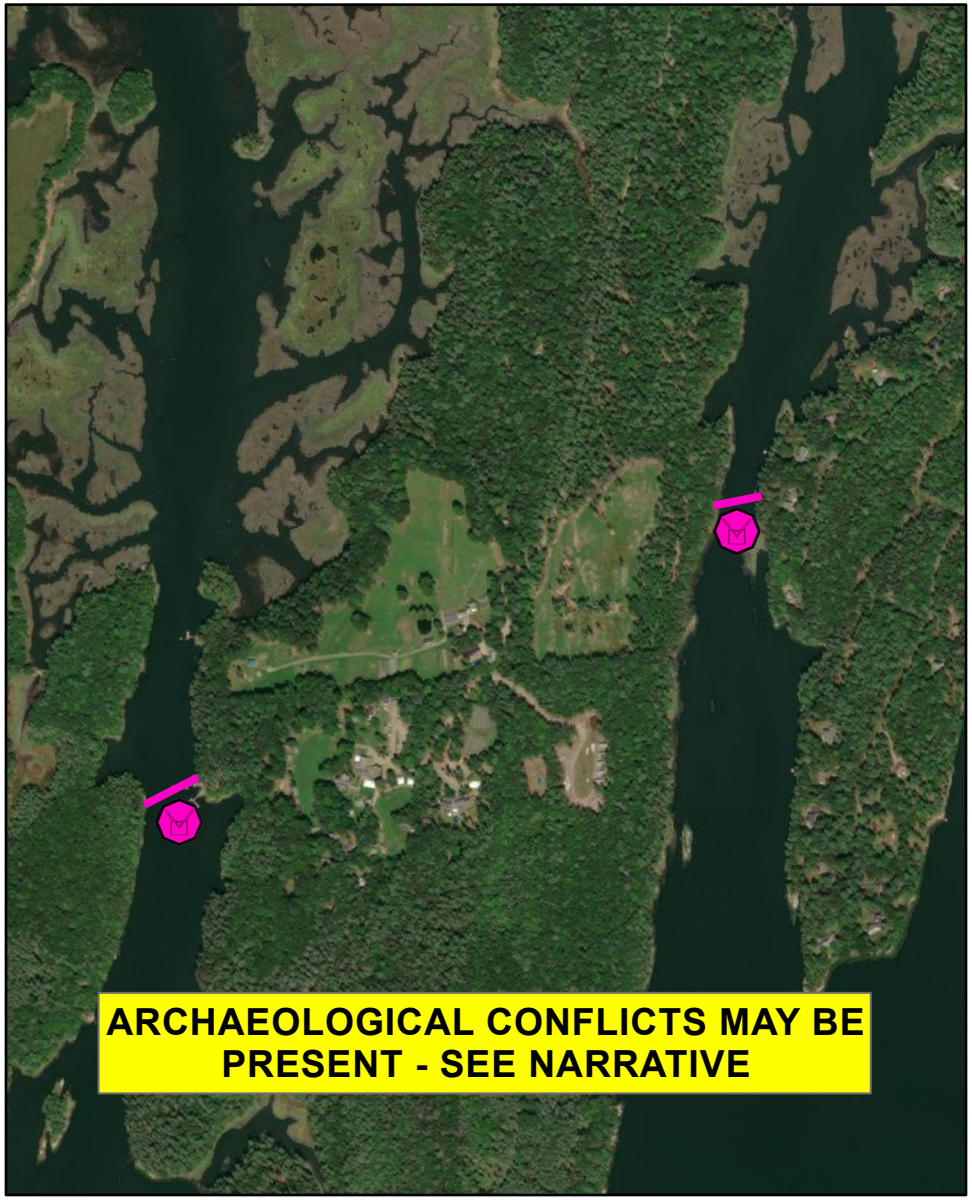
## Chewonki Nick / Montsweag Bay

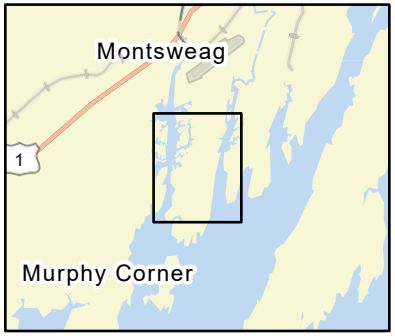
## Wiscasset, ME

0 1,000 2,000 Feet

N W E S

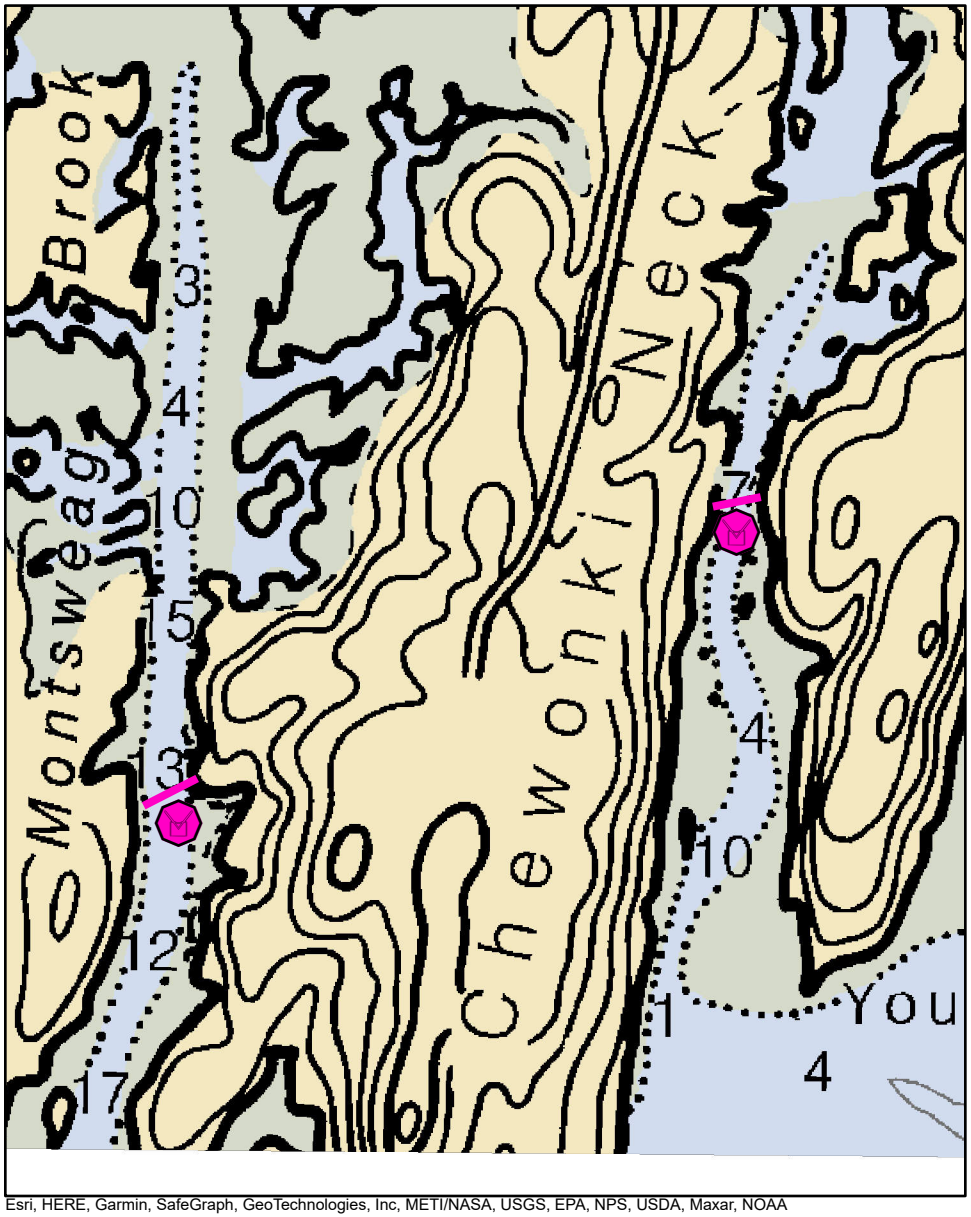
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




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# B-30-1 Chewonki Neck / Montsweag Bay

**Town** Wiscasset
**Latitude** 43° 56.47' N **Longitude** 69° 42.70' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Casco Bay
**NOAA Chart #** 13293_1
**ESI Map #** 40C, 39D
**EVI Map #** 32, 24
**DeLorme Map # (2019)** 7 B1

## Resources At Risk

**ESI Primary Shoreline Type** Vegetated low banks (9B)
**ESI Secondary Shoreline Type** Sheltered tidal flats (7)

**Environmental Concerns** Extensive mudflats, marshes, shellfish beds, marine worm areas, horseshoe crabs and diadromous fish runs. Montsweag Brook is first priority.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert oil from upper Montsweag Brook and Chewonki Creek marshes and mudflats

**Staging Areas** By boat or possibly from Chewonki Foundation property at 485 Chewonki Neck Road, Wiscasset and 51 or 61 Hemlock Road (for Chewonki Creek), Wiscasset if not winter conditions.

**Site Access** From staging areas above or by boat from Wright Landing boat launch on Westport Island

**Nearest Boat Ramp** Wright Landing boat launch, 12 Palmer Road, Wiscasset

**Collection Points** Adjacent to docks on Montsweag Brook and Chewonki Creek with on water skimmer

**Special Instructions**

**Work Assignment** Primary: Deploy 350 feet of boom within channel of Montsweag Brook from Chewonki Foundation dock across to western shore.
Secondary: Deploy 250 feet of boom across channel of Chewonki Creek.

## Recommended Equipment / Resources

**Length of Boom (feet)** 600 **Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

Primary (Montsweag Brook):
2 - shoreside connections
1 - portable skimmer
1 - shallow draft workboat
1 - boat operators
2 - laborers

Secondary (Chewonki Creek):
2 - shoreside connections
1 - portable skimmer
1 - shallow draft workboat
1 - boat operators
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 10/17/2005 **Last Field Test:**

# B-31-1

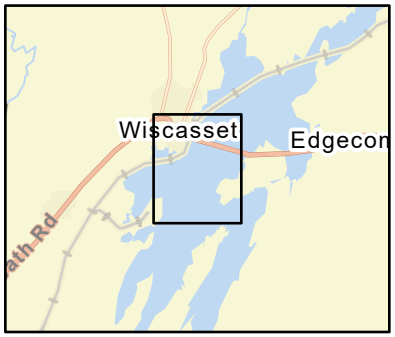
## Sheepscot River, Wiscasset

## Wiscasset / Edgecomb, ME

0 1,000 2,000 Feet

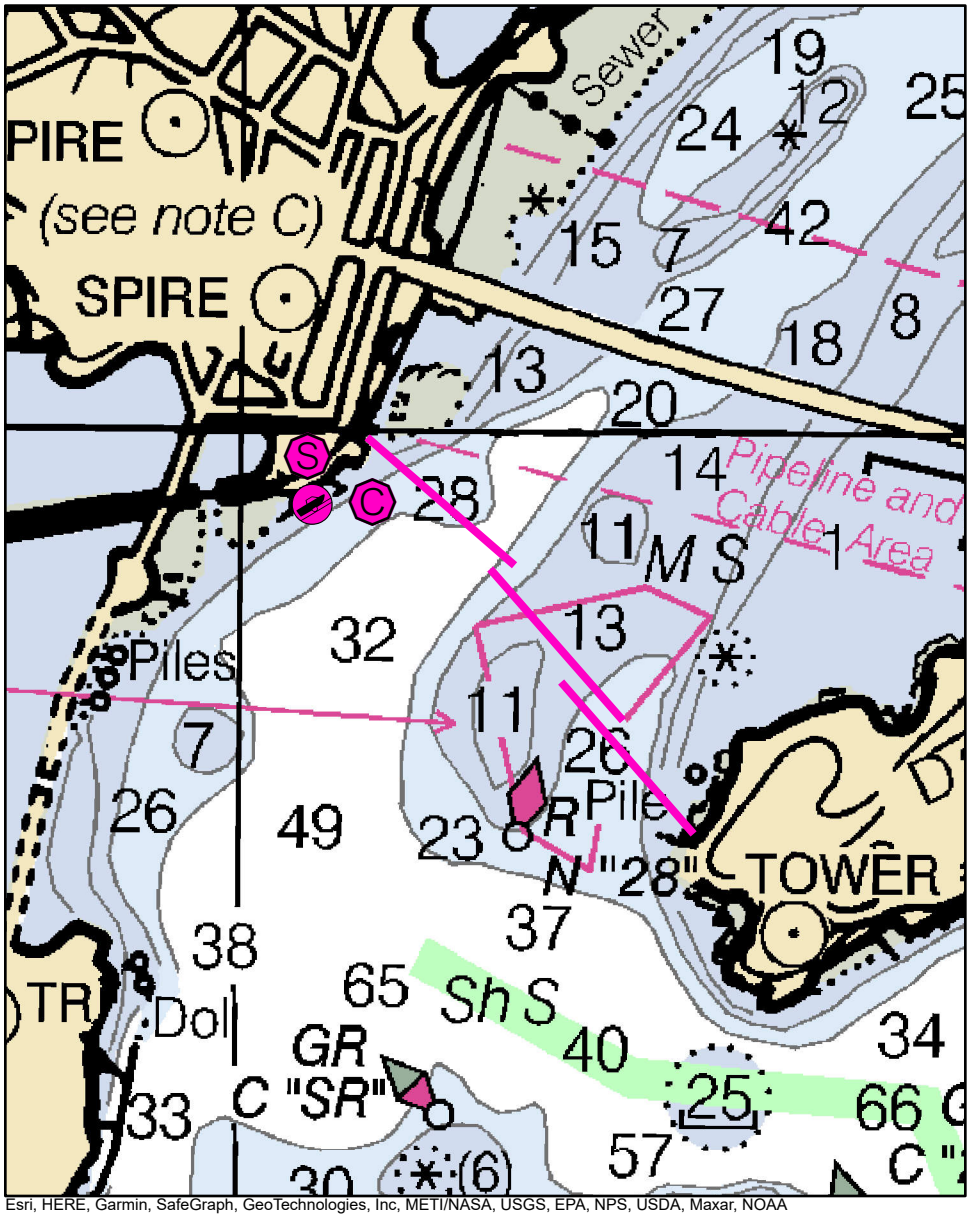
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




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# B-31-1 Sheepscot River, Wiscasset

**Town** Wiscasset / Edgecomb
**Latitude** 44° 1.02' N **Longitude** 69° 39.56' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** 1.2 **Ebb**
**Source** Measured

**Port Region** Casco Bay
**NOAA Chart #** 13293_1
**ESI Map #** 39B, 39D
**EVI Map #** 32
**DeLorme Map # (2019)** 7 A1

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered riprap (8C)
**ESI Secondary Shoreline Type** Vegetated low banks (9B)

**Environmental Concerns** Shorebird and waterfowl areas, tidal flats, shellfish beds and marine worm habitat upriver. Diadromous fish runs, horseshoe crabs

**Archaeological Conflicts** Beware of inter- and subtidal wrecks in the area near the collection point and northwest boom anchoring location. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert oil from moving upstream. If spill is from Wiscasset, reverse the cascade and run from Route 1 bridge on Edgecomb side to Wiscasset boat ramp.

**Staging Areas** Wiscasset Town Landing, Water Street, Wiscasset

**Site Access** Wiscasset Town Landing, Water Street, Wiscasset

**Nearest Boat Ramp** Wiscasset Town Landing, Water Street, Wiscasset

**Collection Points** Wiscasset Boat Ramp & Davis Island Cove south of Route 1 bridge.

**Special Instructions** Local Fire Department, lots of help in a oil spill response.

**Work Assignment** For threat from downstream, deploy three 900 foot sections of containment boom across the river from Wiscasset Town Landing to southern end of Davis Island.
For threat from upstream, reverse cascade and run from Route 1 bridge on Edgecomb side to Wiscasset Town Landing.

## Recommended Equipment / Resources

**Length of Boom (feet)** 2700 **Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy
2 - shoreside connections
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 7/20/2004 **Last Field Test:**

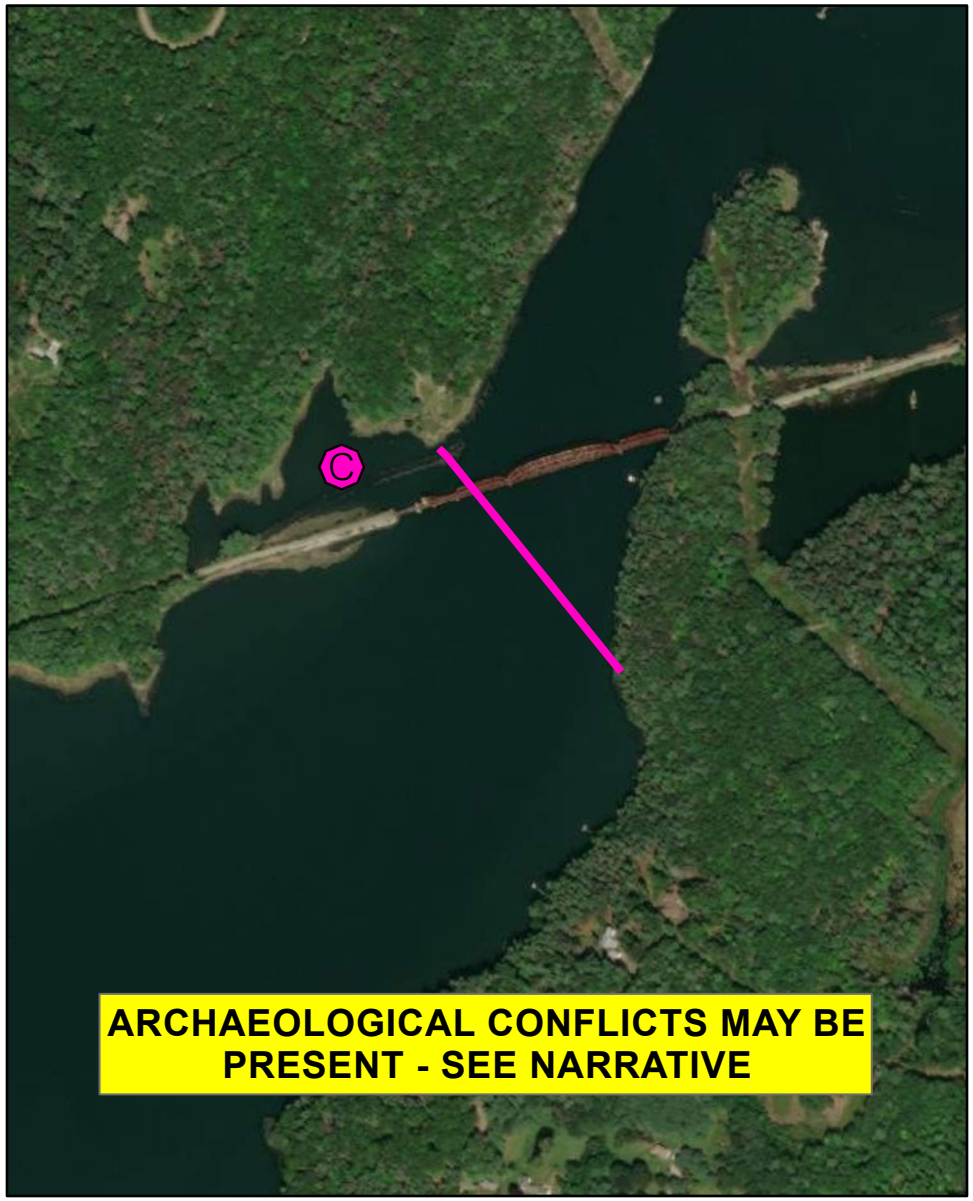
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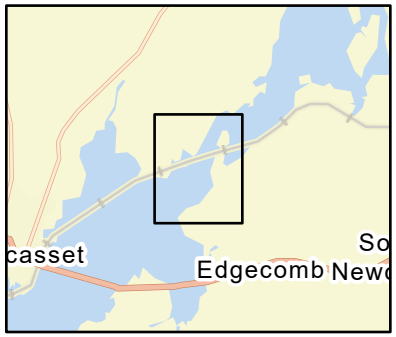
## Upper Sheepscot River / Marsh River

## Newcastle, ME

0 830 1,660 Feet

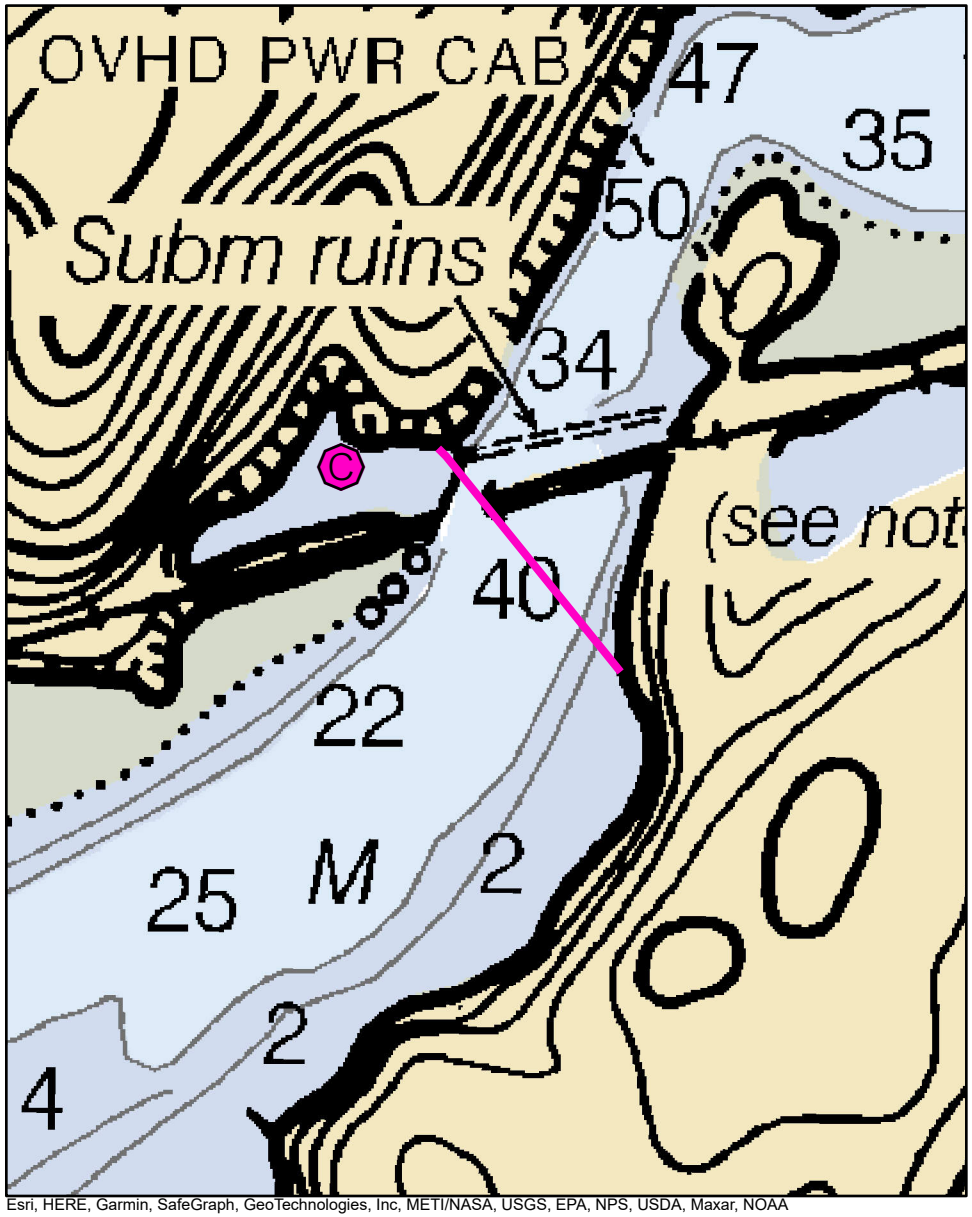
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-32-1 Upper Sheepscot / Marsh River

**Town** Newcastle
**Latitude** 44° 00.87' N **Longitude** 69° 38.41' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** <0.7 **Ebb**
**Source** Measured

**Port Region** Casco Bay
**NOAA Chart #** 13293_1
**ESI Map #** 39B
**EVI Map #** 33, 32
**DeLorme Map # (2019)** 7 A2

## Resources At Risk

**ESI Primary Shoreline Type** Vegetated low banks (9B)
**ESI Secondary Shoreline Type** Sheltered tidal flats (7)

**Environmental Concerns** Exclude oil from upstream. Mudflats, saltmarsh, marine worms, shorebird and waterfowl areas, shellfish beds, diadromous fish and elver runs located upstream.

**Archaeological Conflicts** Keep northwest boom shore anchor at or near wrack line. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** Secondary to B-36-1. To prevent oil from moving upriver and entering Marsh River.

**Staging Areas** Wiscasset Town Landing, Water Street, Wiscasset

**Site Access** By water from Wiscasset

**Nearest Boat Ramp** Wiscasset Town Landing, Water Street, Wiscasset

**Collection Points** NW of railroad bridge; boat most likely as inland accessibility is questionable.

**Special Instructions**

**Work Assignment** Deploy 1000' of harbor boom across Sheepscot River at railroad bridge to strand oil onshore northwest of bridge.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1000

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
1 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy
2 - shoreside connections
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 7/20/2004 **Last Field Test:**

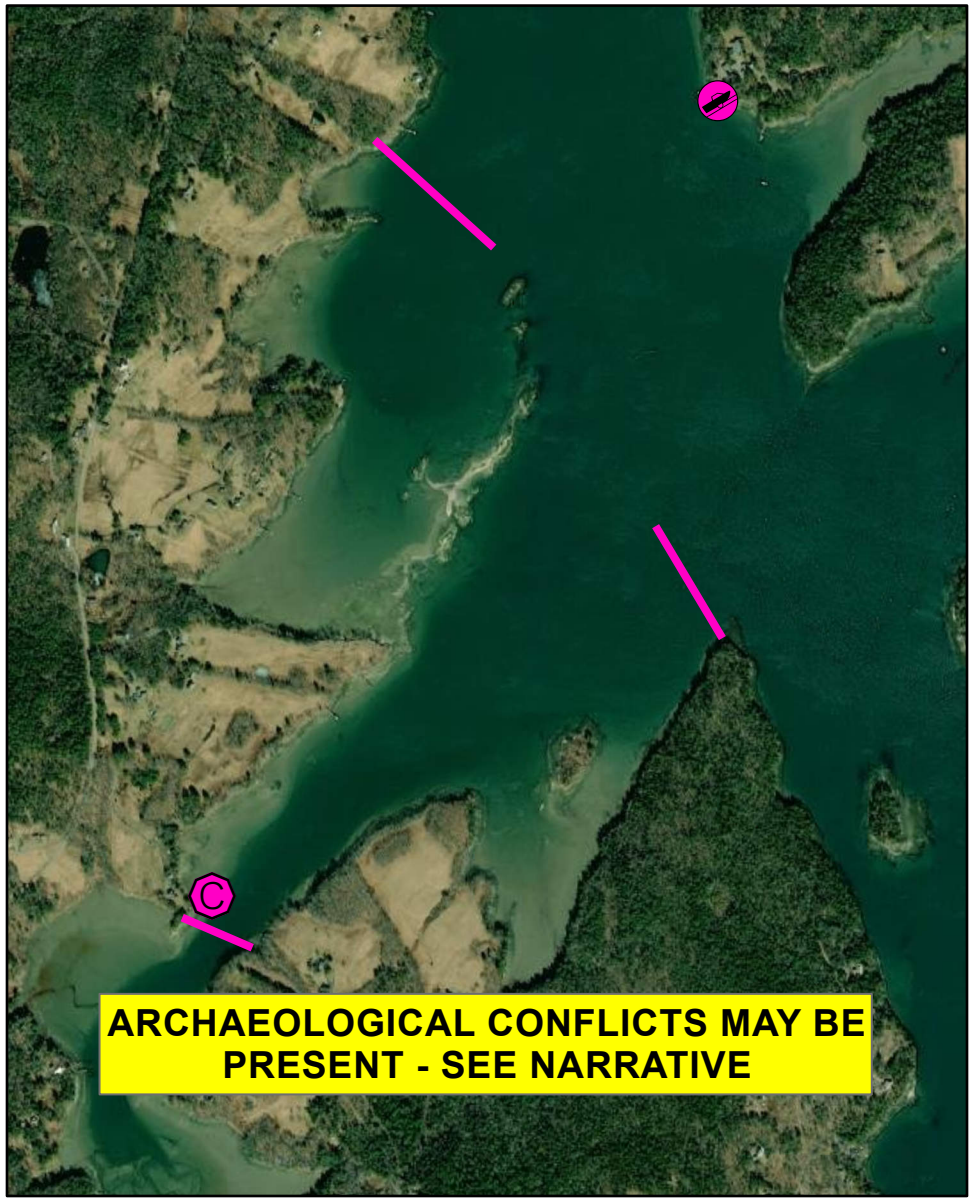
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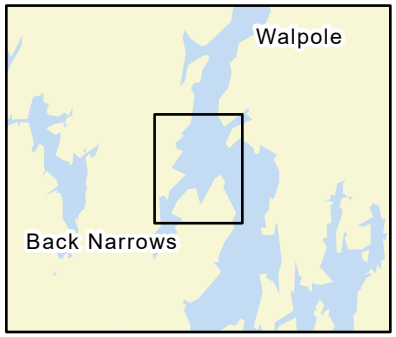
## Pleasant Cove, Damariscotta River

## Boothbay, ME

0 1,000 2,000 Feet

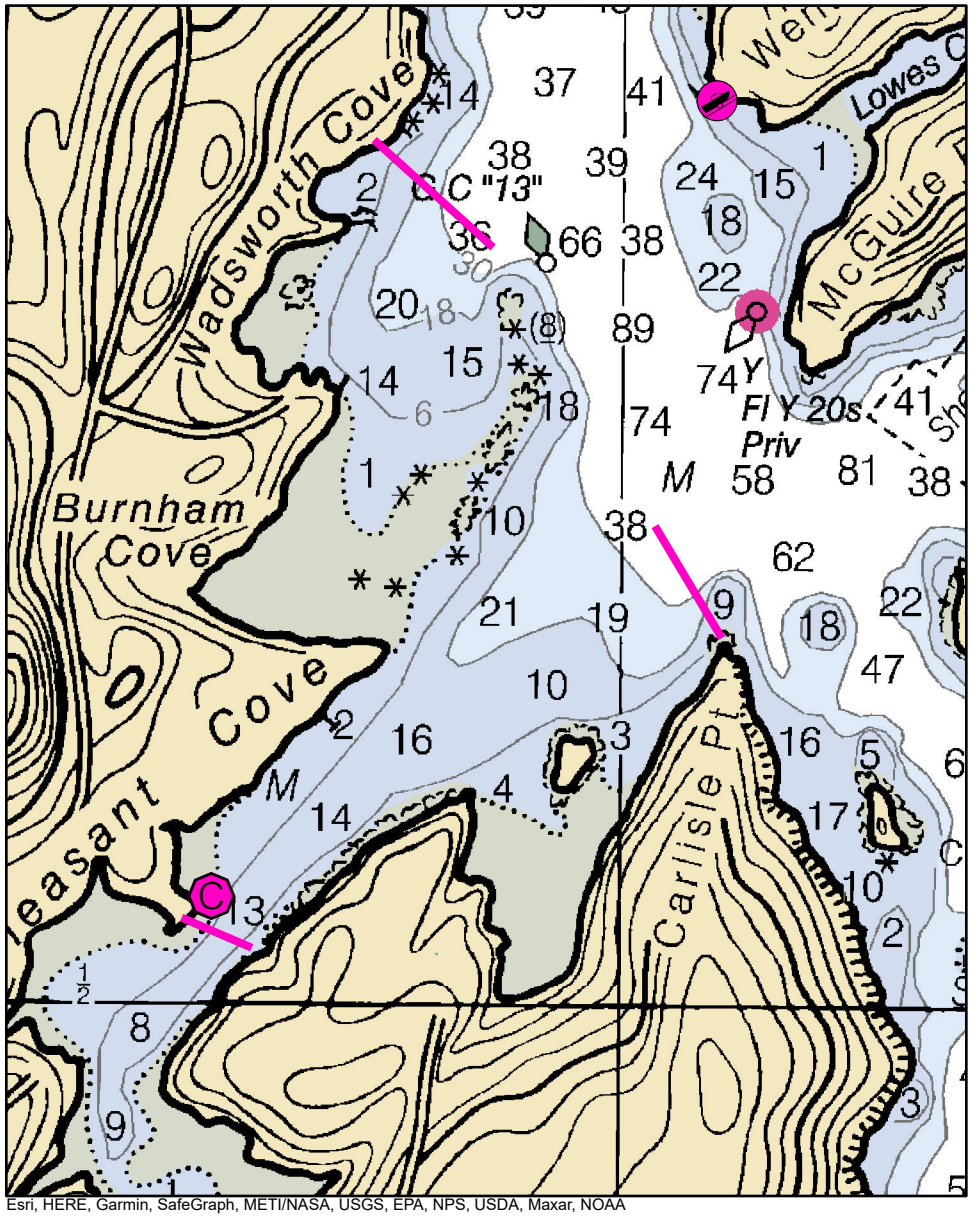
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-33-1 Pleasant Cove, Damariscotta River

**Town** Boothbay
**Latitude** 43° 55.83' N **Longitude** 69° 35.11' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** **Ebb** 1.1
**Source** Measured

**Port Region** Casco Bay
**NOAA Chart #** 13293_1
**ESI Map #** 39C
**EVI Map #** 25
**DeLorme Map # (2019)** 7 B2

## Resources At Risk

**ESI Primary Shoreline Type** Vegetated low banks (9B)

**ESI Secondary Shoreline Type** Mixed sand and gravel beaches (5)

**Environmental Concerns** Mudflats, shellfish beds, marine worm habitat, horseshoe crabs. NW tip of Pleasant Cove is seal haul-out area

**Archaeological Conflicts** Utilize disturbed areas on shore for northern Wadsworth Cove boom anchoring (northern boom). Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert oil from upper Pleasant Cove

**Staging Areas** University of Maine Darling Marine Center, 193 Clarks Cove Road, Walpole (207-563-8144) or Linekin Bay boat ramp (part-tide), Murray Hill Road, East Boothbay

**Site Access** By water from University of Maine Darling Marine Center, 193 Clarks Cove Road, Walpole (207-563-8144), Linekin Bay ramp or if deploying up in channel, possibly from 19 Pleasant Point Drive, Boothbay (west side) and 69 Bryers Circle, Boothbay (east side)

**Nearest Boat Ramp** University of Maine Darling Marine Center, 193 Clarks Cove Road, Walpole (207-563-8144) or Linekin Bay boat ramp (part-tide), Murray Hill Road, East Boothbay, approx. 4.5 miles

**Collection Points** In upper Pleasant Cove, possibly from 19 Pleasant Point Drive, Boothbay

**Special Instructions**

**Work Assignment** If available, deploy up to 1000 feet of deflection boom to each side of cove. Current tends to run parallel to mouth of cove. If resources not available, deploy 500 feet of containment boom across the channel in Pleasant Cove.

## Recommended Equipment / Resources

**Length of Boom (feet)** 500 - 2500

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

Deflection:

2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy
2 - shoreside connections
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

Upper Cove:

2 - shoreside connections
1 - shallow draft workboat
1 - boat operators
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 7/24/2006 **Last Field Test:**

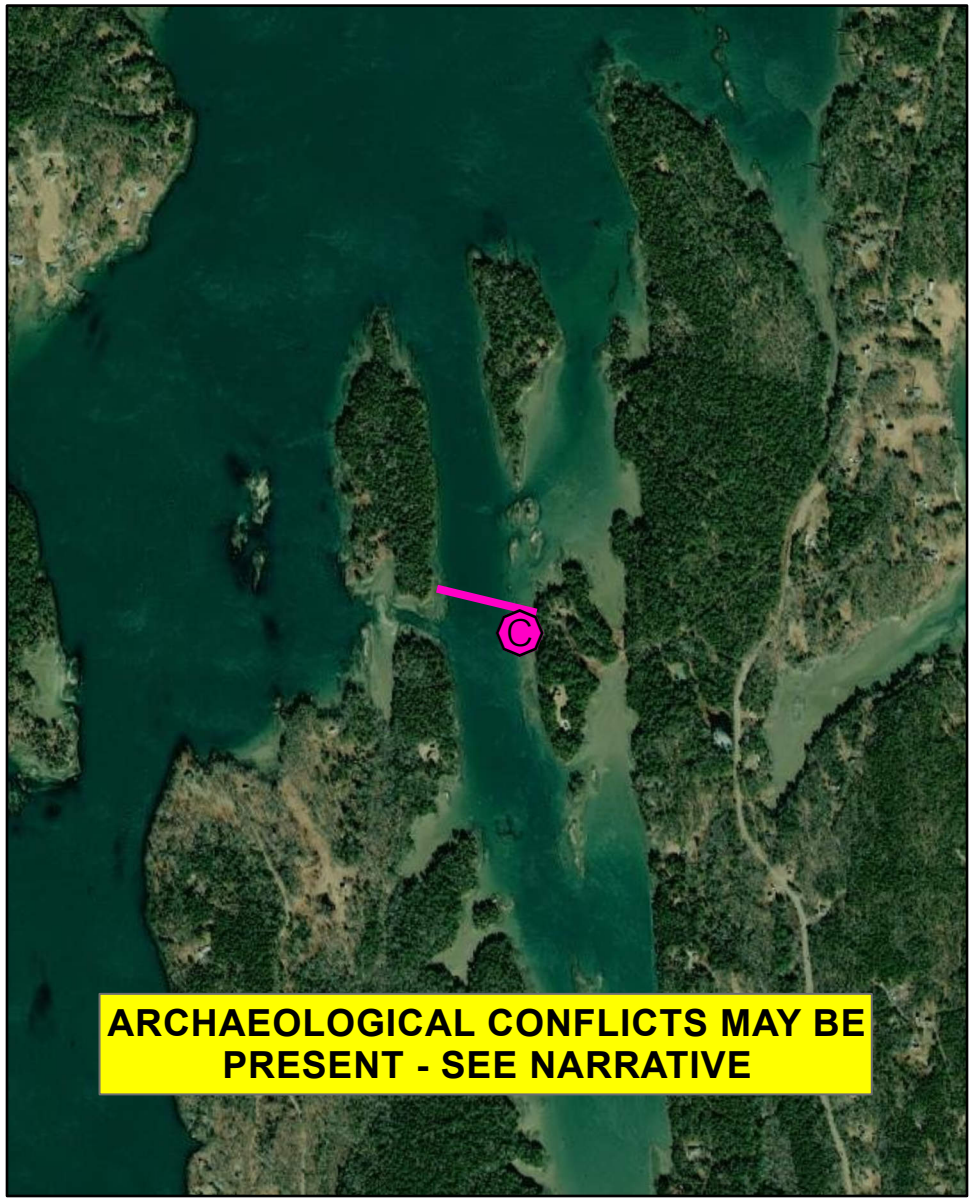
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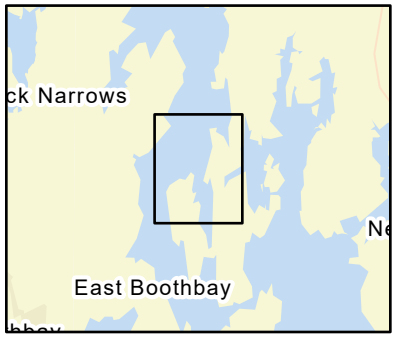
## Seal Cove, Damariscotta River

## South Bristol, ME

0 1,000 2,000 Feet

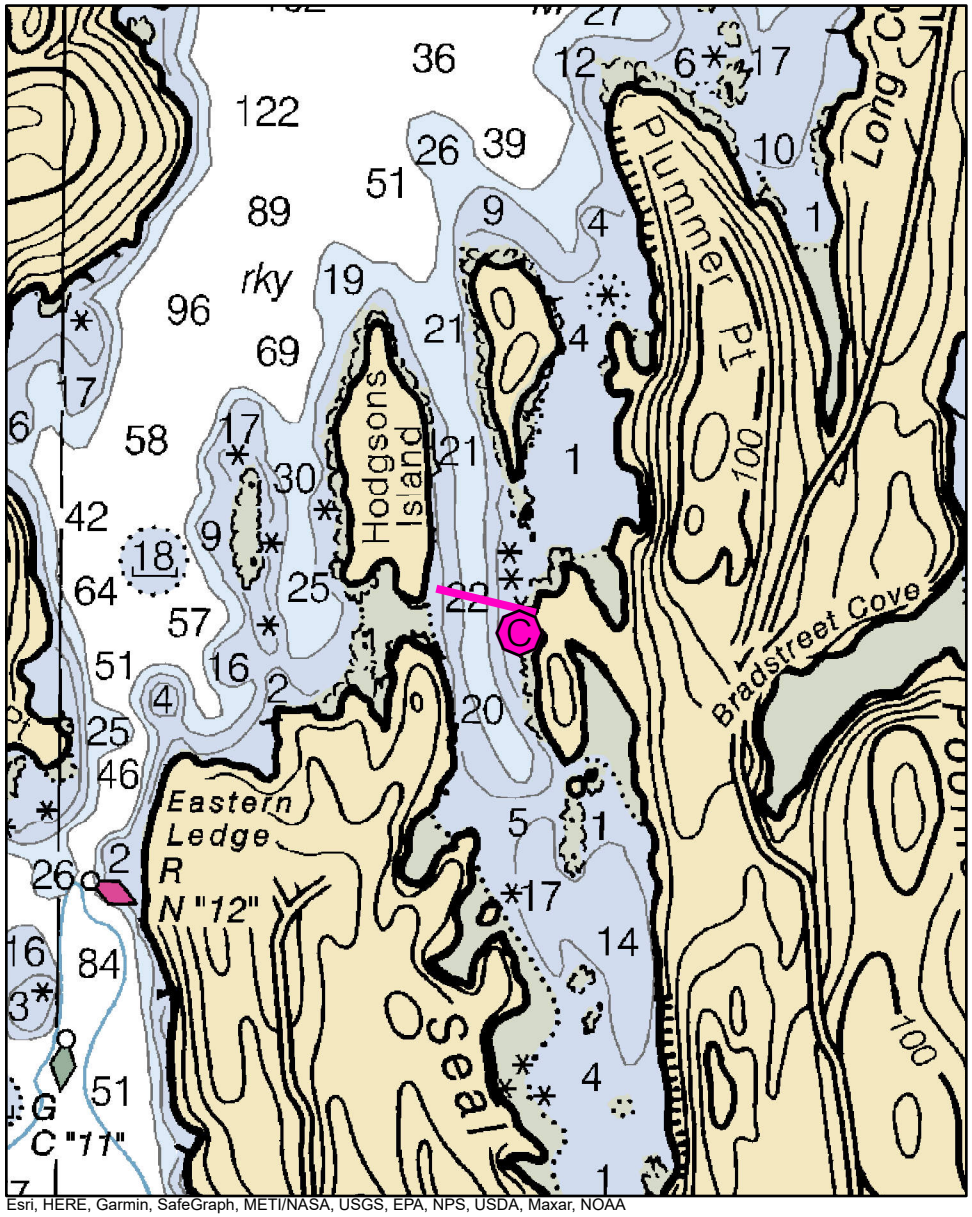
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-34-1 Seal Cove, Damariscotta River

**Town** South Bristol
**Latitude** 43° 53.68' N **Longitude** 69° 34.29' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** **Ebb** minimal
**Source** Measured

**Port Region** Casco Bay
**NOAA Chart #** 13293_1
**ESI Map #** 45A, 39C
**EVI Map #** 25
**DeLorme Map # (2019)** 7 C3

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)
**ESI Secondary Shoreline Type** Vegetated low banks (9B)

**Environmental Concerns** Eelgrass, marine worm habitat. Shellfish bed.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert oil from Seal Cove

**Staging Areas** Linekin Bay boat ramp (part-tide), Murray Hill Road, East Boothbay

**Site Access** Linekin Bay boat ramp. Private dock on east side of cove at boom anchorage point, Swanns Way in South Bristol.

**Nearest Boat Ramp** Linekin Bay boat ramp (part-tide), Murray Hill Road, East Boothbay

**Collection Points** Possibly from vicinity of private dock at boom anchorage point, Swanns Way in South Bristol

**Special Instructions** Lesser priority than others in vicinity if resources are limited

**Work Assignment** If resources available, deploy 700' of harbor boom across entrance to Seal Cove.

## Recommended Equipment / Resources

**Length of Boom (feet)** 700
**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
2 - shoreside connections
1 - workboats with minimum 90 hp
1 - boat operators
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 10/17/2005 **Last Field Test:**

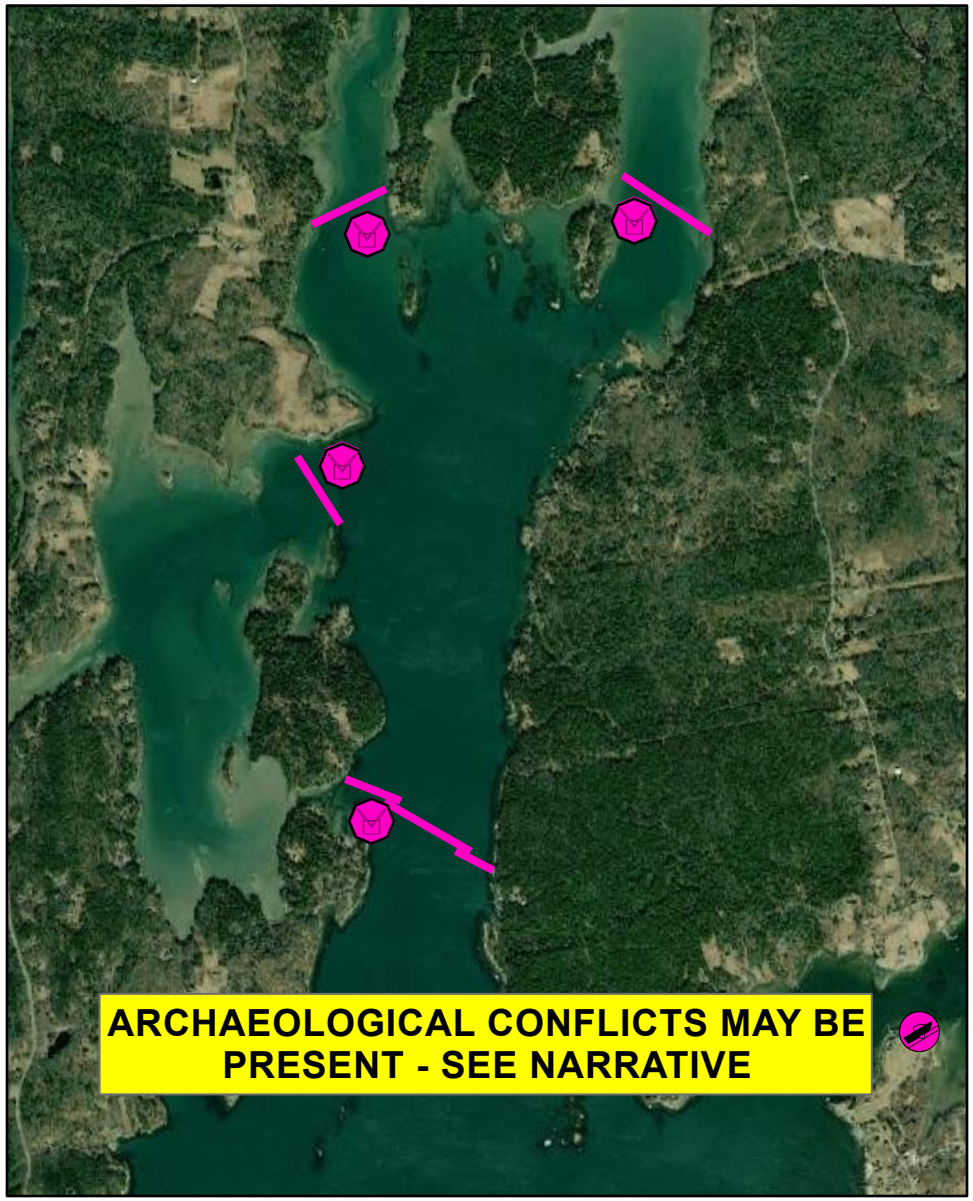
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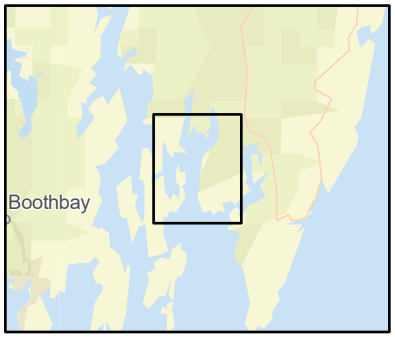
## Johns River

## South Bristol / Bristol, ME

0 2,500 5,000 Feet

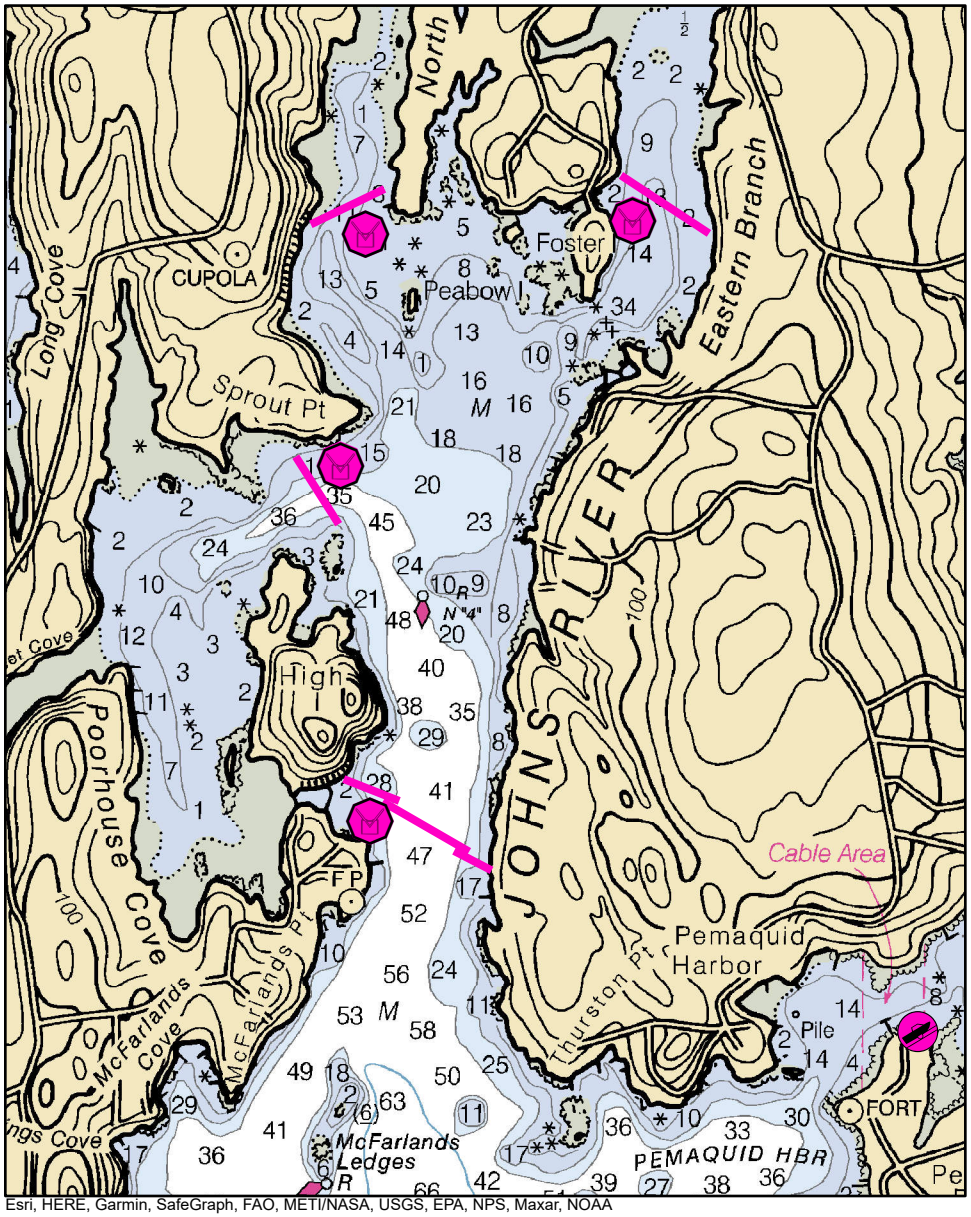
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, Maxar, NOAA

# B-35-1 Johns River

**Town** South Bristol / Bristol
**Latitude** 43° 52.70' N **Longitude** 69° 32.67' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Casco Bay
**NOAA Chart #** 13293_1
**ESI Map #** 39C, 44B, 45A
**EVI Map #** 25
**DeLorme Map # (2019)** 7 C3

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Tidal flats, shellfish areas, bird habitat in Poorhouse Cove and Eastern and North Branches of Johns River

**Archaeological Conflicts** Utilize boulder or tree anchors if possible for Sproul Point and northeastern boom spread. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert oil from upper Johns Bay

**Staging Areas** Pemaquid Harbor boat launch, 2 Colonial Pemaquid Drive, New Harbor, ME or Fire Road 22 between High Island and McFarlands Point.

**Site Access** By water from Pemaquid Harbor boat launch

**Nearest Boat Ramp** Pemaquid Harbor boat launch - 1 mile

**Collection Points** Fire Road 22 between High Island and McFarlands Point.

**Special Instructions**

**Work Assignment** Primary: Deploy two 500 foot sections and one 1,000 foot section of containment boom across bay to deflect to private causeway (Fire Road 22) between McFarlands Point and High Island for collection.

Secondary: Place one thousand foot lengths of boom at mouths of Eastern and North Branches of Johns River, and mouth of Poorhouse Cove

## Recommended Equipment / Resources

**Length of Boom (feet)** Primary: 2000, Secondaries: 3,000 **Type of Boom**

| **Recommended Equipment (Minimum)** | Primary: | Secondaries: |
|---|---|---|
| | 4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy | 3 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy |
| | 2 - shoreside connections | 6 - shoreside connections |
| | 1 - on water skimmer | 3 - on water skimmers |
| | 2 - workboats with minimum 90 hp | 2 - workboats with minimum 90 hp |
| | 2 - boat operators | 2 - boat operators |
| | 4 - laborers | 4-6 - laborers |

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 7/24/2006 **Last Field Test:**

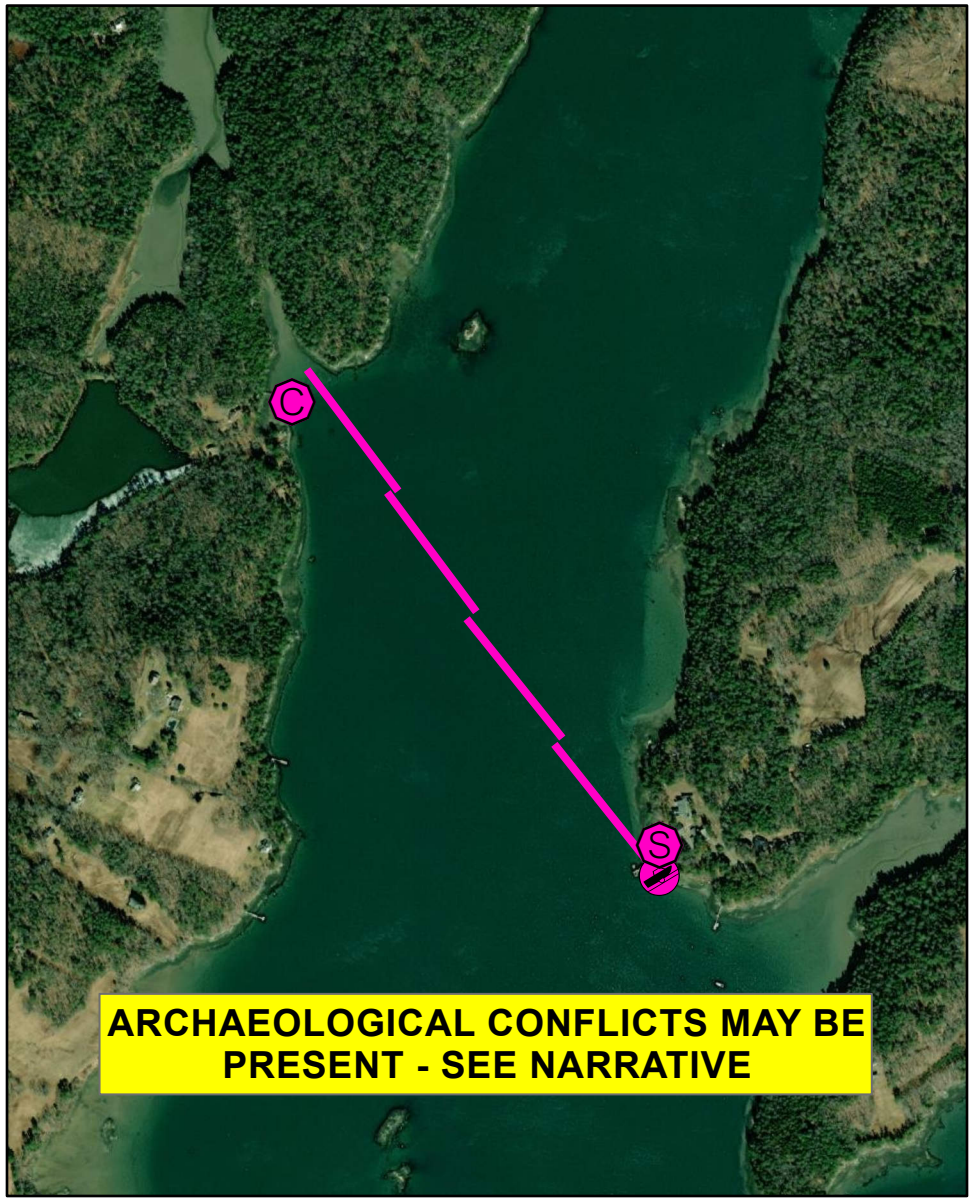
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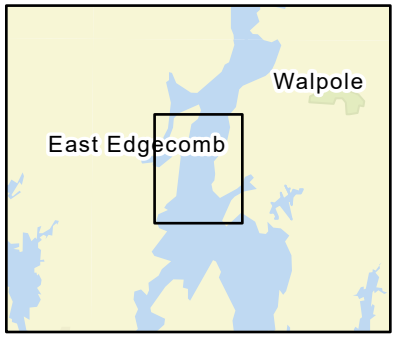
## Upper Damariscotta River

## South Bristol / Edgecomb, ME

0 1,000 2,000 Feet

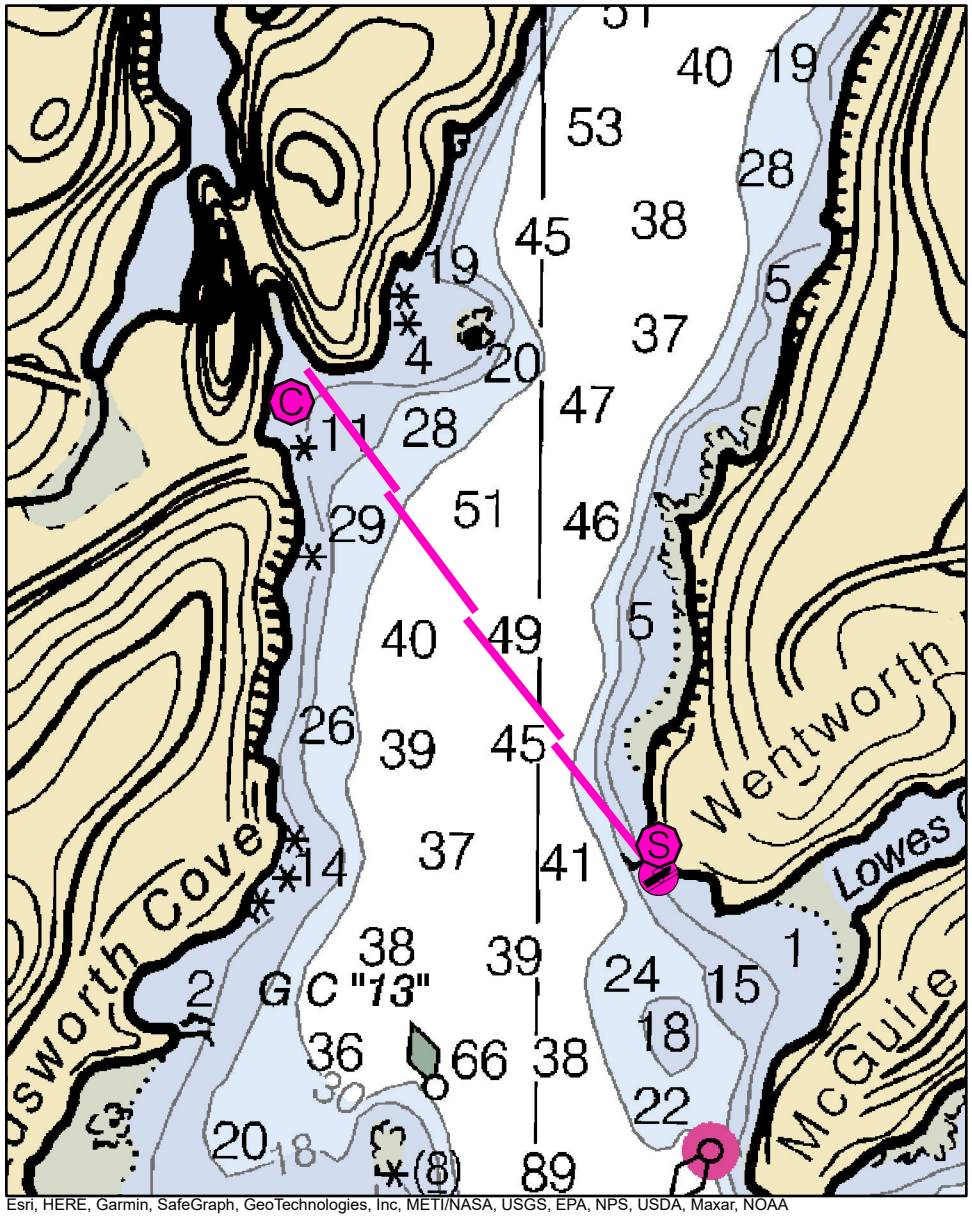
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-36-1 Upper Damariscotta River

**Town** Edgecomb / South Bristol
**Latitude** 43° 56.346' N **Longitude** 69° 35.071' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** 3 knots **Ebb**
**Source**

**Port Region** Casco Bay
**NOAA Chart #** 13293_1
**ESI Map #** 39C
**EVI Map #** 33
**DeLorme Map # (2019)** 7 B3

## Resources At Risk

**ESI Primary Shoreline Type** Vegetated low banks (9B)
**ESI Secondary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)

**Environmental Concerns** Primary strategy for the upper Damariscotta River which has extensive tidal flats, shorebird and waterfowl habitat, shellfish beds, aquaculture sites, eelgrass beds and diadromous fish runs.

**Archaeological Conflicts** Avoid disturbances outside of developed areas at Darling Marine Center/Wentworth Point. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert oil from upper Damariscotta River

**Staging Areas** University of Maine Darling Marine Center, 193 Clarks Cove Road, Walpole (207-563-8144)

**Site Access** University of Maine Darling Marine Center, 193 Clarks Cove Road, Walpole (207-563-8144)

**Nearest Boat Ramp** University of Maine Darling Marine Center, 193 Clarks Cove Road, Walpole (207-563-8144)

**Collection Points** Western end of the boom configuration via on-water skimming

**Special Instructions** Angle of the boom to current critical. Strong current.

**Work Assignment** From the eastern shore of the Damariscotta River at Wentworth Point (Darling Marine Center) deploy four 800' boom sections parallel & overlapping in a north northwest direction to the other side of the river at the south end of a small cove south of Salt Marsh Cove.

## Recommended Equipment / Resources

**Length of Boom (feet)** 3200
**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
6 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy
2 - shoreside connections
1 - on water skimming system
2 - workboats with minimum 90 hp
2 - boat operators
4-6 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 7/24/2006 **Last Field Test:**

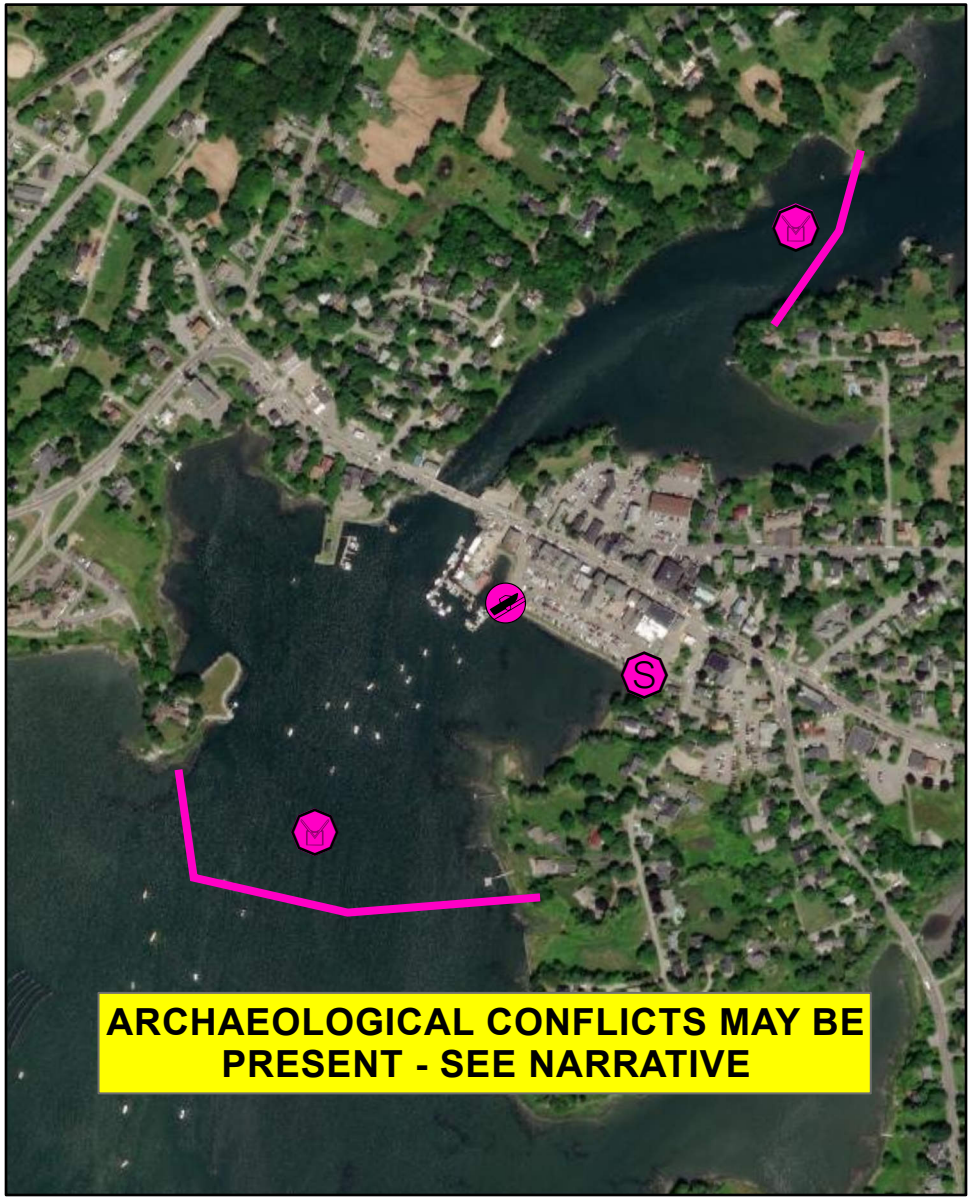
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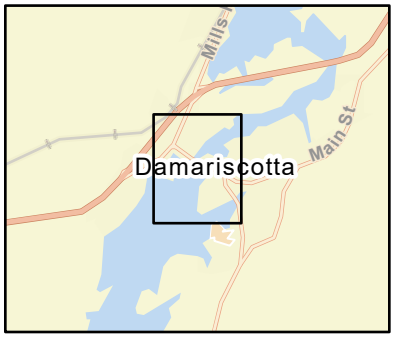
## Damariscotta Harbor

## Damariscotta / Newcastle, ME

0 830 1,660 Feet

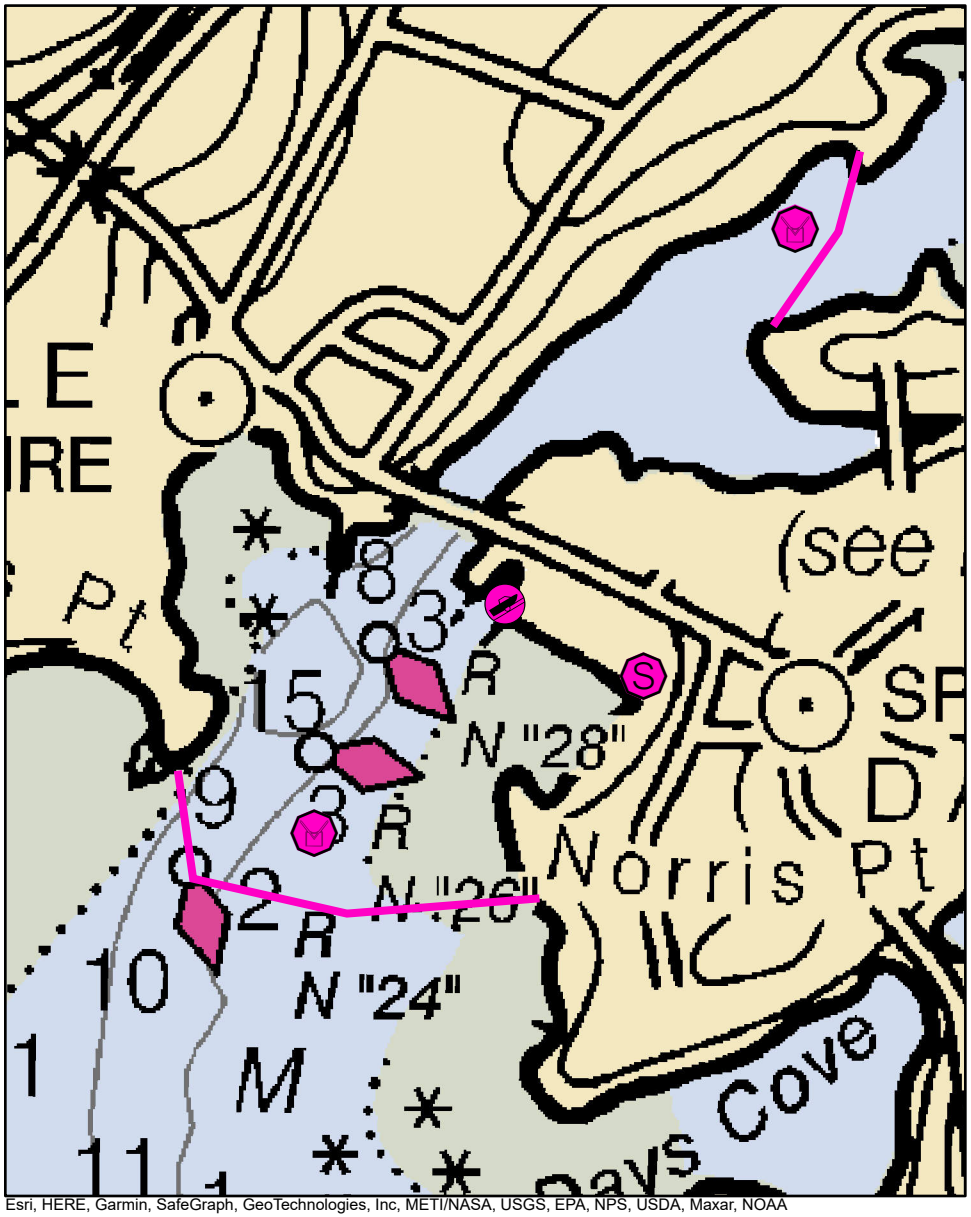
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-37-1 Damariscotta Harbor

**Town** Edgecomb / South Bristol
**Latitude** 44° 1.79' N **Longitude** 69° 32.67' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** minimal **Ebb** minimal
**Source** Observed

**Port Region** Casco Bay
**NOAA Chart #** 13293_1
**ESI Map #** 39A
**EVI Map #** 33
**DeLorme Map # (2019)** 7 A3

## Resources At Risk

**ESI Primary Shoreline Type** Vegetated low banks (9B)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Primary purpose is to contain spills from harbor. Numerous aquaculture sites downstream.

**Archaeological Conflicts** Ebb tide collection point on Norris Point side near remnants of intertidal shipyard; beware potential conflicts as water levels drop. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** Primary purpose is to contain spills from harbor.

**Staging Areas** Damariscotta boat launch, Main Street, Rte. 1, Damariscotta

**Site Access** Damariscotta boat launch, Main Street, Rte. 1, Damariscotta

**Nearest Boat Ramp** Damariscotta boat launch, Main Street, Rte. 1, Damariscotta

**Collection Points** On water skimmer

**Special Instructions**

**Work Assignment** Ebb: Deploy 500 feet of boom from Jacks Point and anchor in vicinity of red nun #24. Deploy additional sections of 600 and 400 feet of boom around mooring field to Norris Point. Collect with skimmer at cove near Jacks Point.

Flood: Deploy two sections of boom: 250 feet and 350 feet across river upstream of Damariscotta / Newcastle bridge. Collect with skimmer or from cove on west side of river.

## Recommended Equipment / Resources

**Length of Boom (feet)** Ebb: 1500, Flood: 700

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

Ebb:

2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy
2 - shoreside connections
2 - on water skimmer system
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

Flood:

1- anchor system: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy
2 - shoreside connections
1 - on water skimmer system
2 - workboats with minimum 90 hp
2 - boat operators
4-- laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 7/24/2006 **Last Field Test:** 5/23/2012

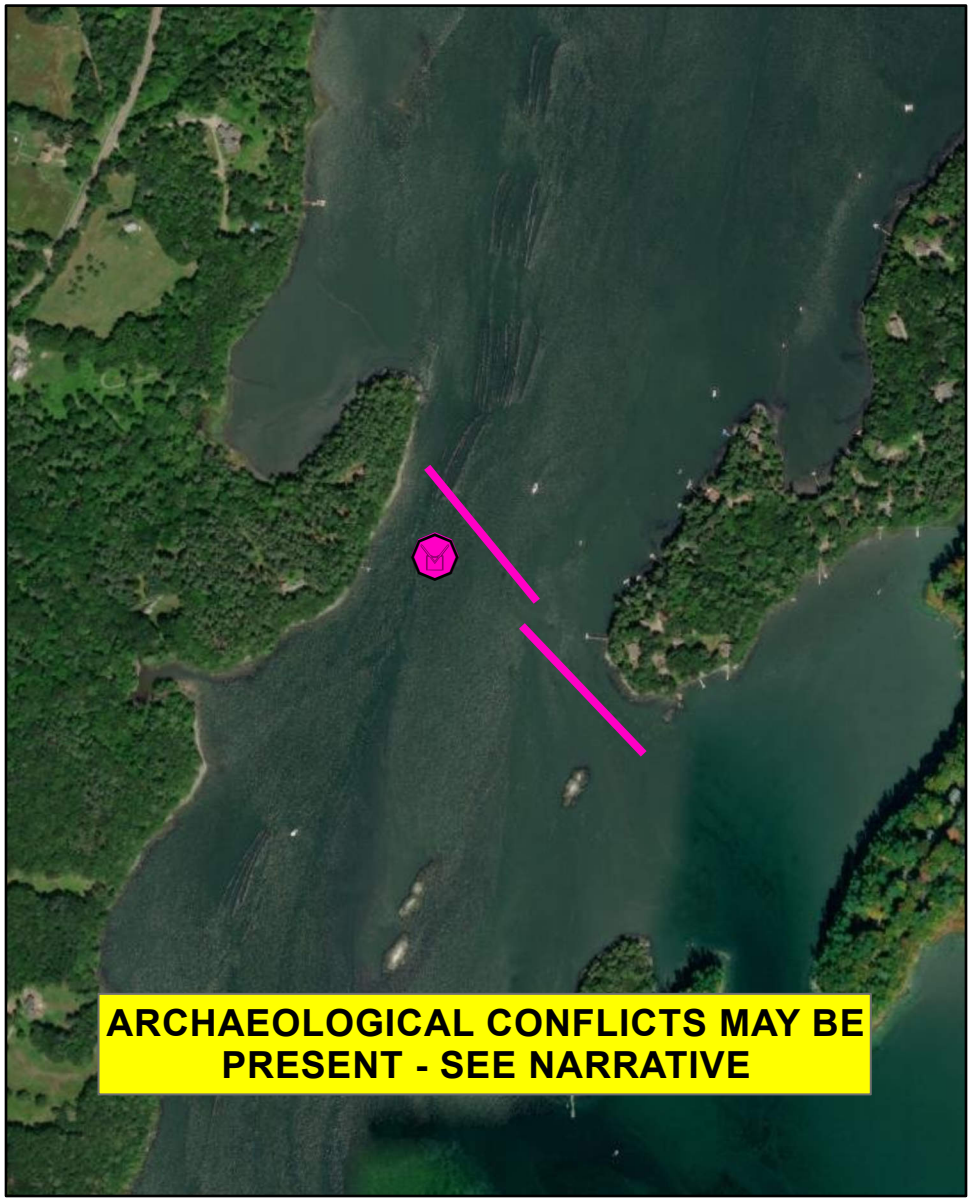
# B-38-1

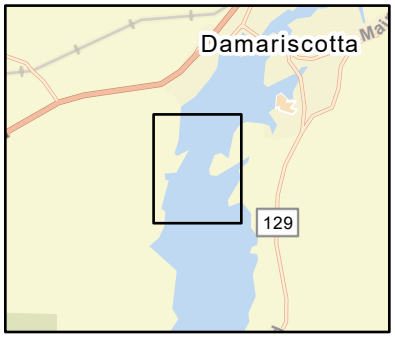
## Little Point, Damariscotta River

## Newcastle / Damariscotta, ME

0 925 1,850 Feet

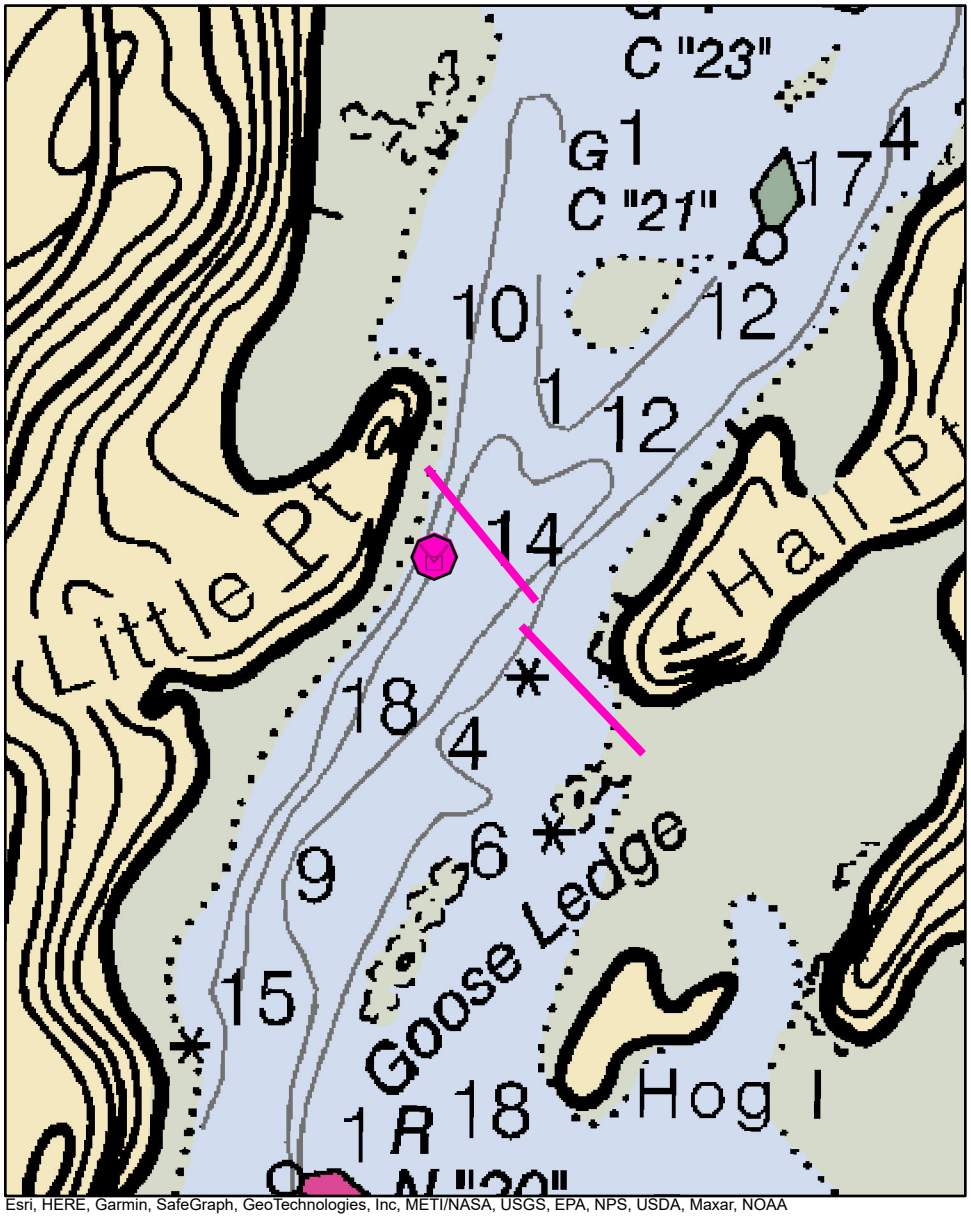
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-38-1 Little Point, Damariscotta River

**Town** Newcastle / Damariscotta
**Latitude** 44° 1.097' N **Longitude** 69° 32.614; W
**Approx. Tidal Range (feet)** 14
**Max Current (knots)** **Flood** 1.5 knots **Ebb**
**Source** estimated

**Port Region** Casco Bay
**NOAA Chart #** 13293_1
**ESI Map #** 39A
**EVI Map #** 33
**DeLorme Map # (2019)** 7 A3

## Resources At Risk

**ESI Primary Shoreline Type** Vegetated low banks (9B)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Numerous aquaculture sites just upriver of strategy.

**Archaeological Conflicts** Utilize boulder or tree anchors if possible on Hall Point. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert oil from moving upstream to Newcastle / Damariscotta

**Staging Areas** Damariscotta Public Boat Ramp, Main Street, Rte. 1, Damariscotta

**Site Access** By water from Damariscotta boat launch.

**Nearest Boat Ramp** Damariscotta Public Boat Ramp, Main Street, Rte. 1, Damariscotta

**Collection Points** On water skimming

**Special Instructions** Hog Island and Huston Cove may also need consideration for protection.

**Work Assignment** Deploy two 650' sections of boom parallel & overlapping from eastern shore of Hall Point north northwest to the western shore of Little Point just below aquaculture site.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1300

**Type of Boom** 12: to 18: containment boom

**Recommended Equipment (Minimum)**
2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy
2 - shoreside connections
1 - on water skimmer system
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 7/24/2006 **Last Field Test:**

# B-39-1

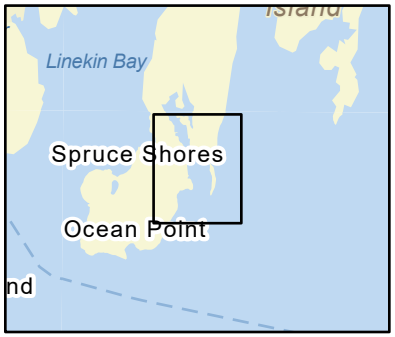
## Lower Damariscotta River - Little River

## Boothbay, ME

0 1,000 2,000 Feet

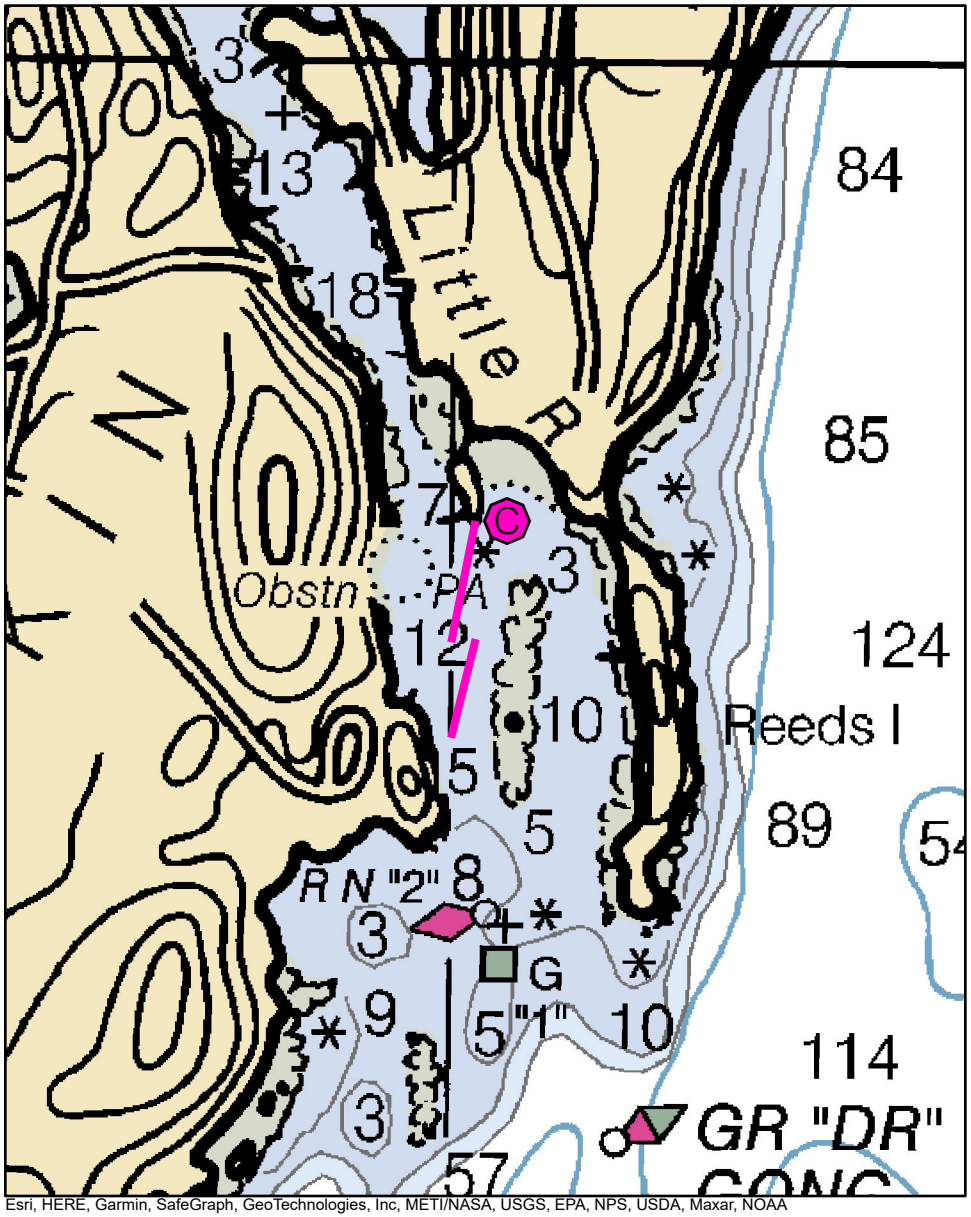
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-39-1 Lower Damariscotta River - Little River

**Town** Boothbay
**Latitude** 43° 49.67' N **Longitude** 69° 34.97' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Casco Bay
**NOAA Chart #** 13293_1
**ESI Map #** 45A
**EVI Map #** 25
**DeLorme Map # (2019)** 7 D2

## Resources At Risk

**ESI Primary Shoreline Type** Exposed rocky shores (1A)
**ESI Secondary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)

**Environmental Concerns** Shellfish and eelgrass beds in Little River. Elver run. Lobster dealer upstream of boom.

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To divert oil from entering Little River

**Staging Areas** Linekin Bay boat ramp (part-tide), Murray Hill Road, East Boothbay

**Site Access** Linekin Bay boat ramp (part-tide), Murray Hill Road, East Boothbay

**Nearest Boat Ramp** Linekin Bay boat ramp (part-tide), Murray Hill Road, East Boothbay

**Collection Points** Cove in Little River, possibly from Boothbay Shores Road or residence on Samoset Trail, Boothbay

**Special Instructions**

**Work Assignment** Deploy two 500' sections of harbor boom inside mouth of Little River on Linekin Neck. Divert oil into cove for collection.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1000

**Type of Boom** !2" to 18" containment boom

**Recommended Equipment (Minimum)**

2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy
2 - shoreside connections
1 - skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 8/1/2004 **Last Field Test:**

# B-39-2

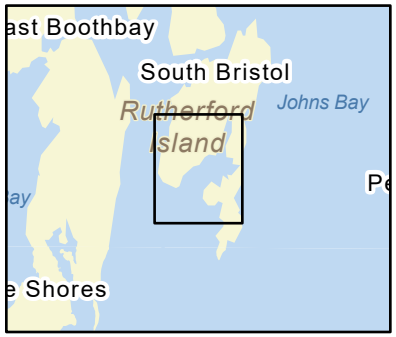
## Lower Damariscotta River - Christmas Cove

## South Bristol, ME

0 1,000 2,000 Feet

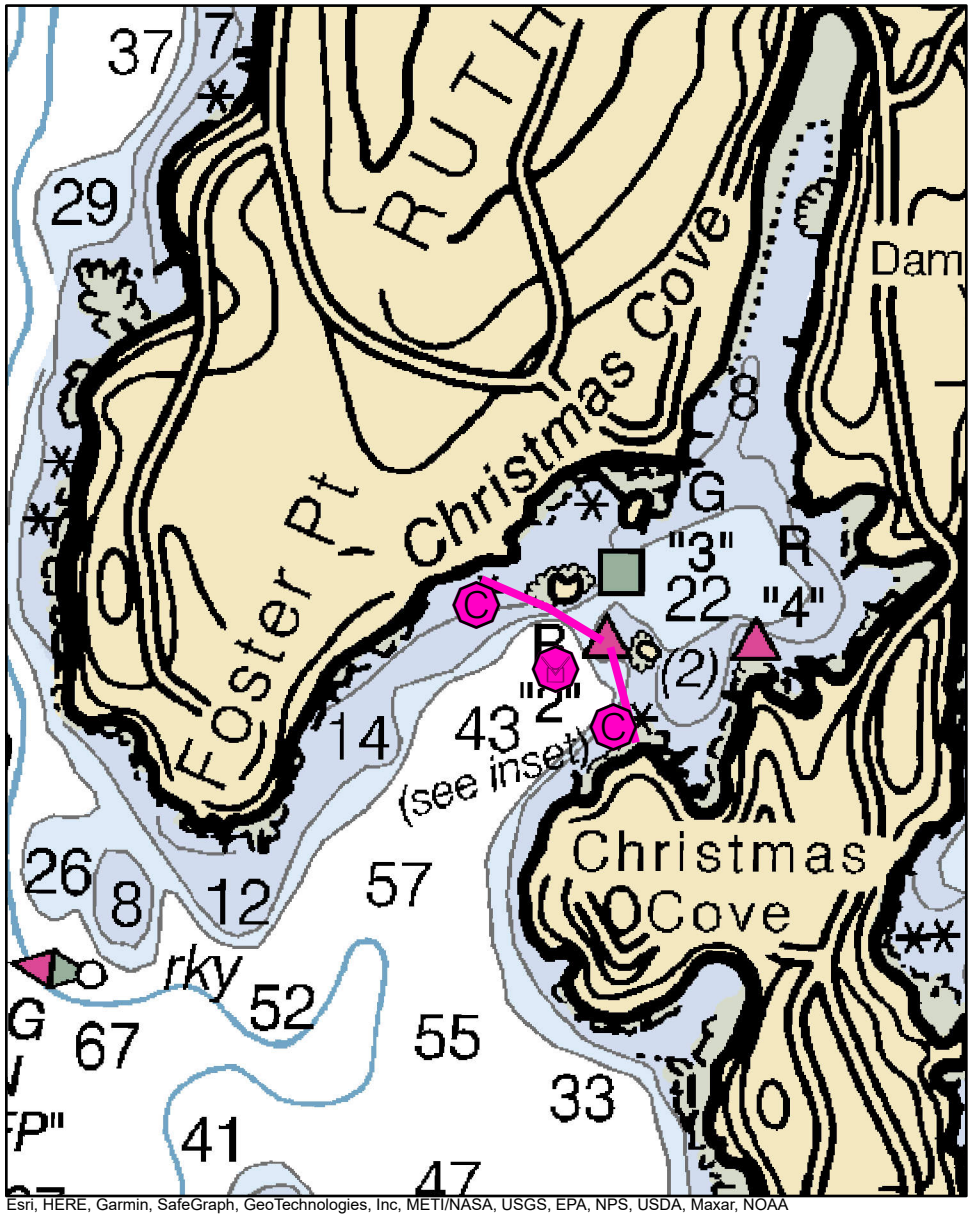
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-39-2 Lower Damariscotta River - Christmas Cove

**Town** South Bristol
**Latitude** 43° 50.81' N **Longitude** 69° 33.48' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Casco Bay
**NOAA Chart #** 13293_1
**ESI Map #** 45A, 44B
**EVI Map #** 25
**DeLorme Map # (2019)** 7 C3

## Resources At Risk

**ESI Primary Shoreline Type** Exposed rocky shores (1A)
**ESI Secondary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)

**Environmental Concerns** Eelgrass beds and mudflats

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To divert oil from Christmas Cove

**Staging Areas** Linekin Bay boat ramp (part-tide), Murray Hill Road, East Boothbay or Pemaquid Harbor boat launch, 2 Colonial Pemaquid Drive, New Harbor

**Site Access** By water

**Nearest Boat Ramp** Linekin Bay boat ramp (part-tide), Murray Hill Road, East Boothbay or Pemaquid Harbor boat launch, 2 Colonial Pemaquid Drive, New Harbor

**Collection Points** On water skimming. Possible access from Captain Smith Way, South Bristol

**Special Instructions** Large mooring field in Christmas Cove

**Work Assignment** Deploy 500' of boom from east side of Christmas Cove to red day beacon "2" (rock) in midchannel. Deploy 350' of boom from day beacon "2" to rock to west of channel. Deploy 350' of boom from rock across flats to western shore.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1200 **Type of Boom** Intertidal Boom & Harbor Boom

**Recommended Equipment (Minimum)**
4 - shoreside connections
1 - skimmer and storage
1 - on water skimming system
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 8/1/2004 **Last Field Test:**

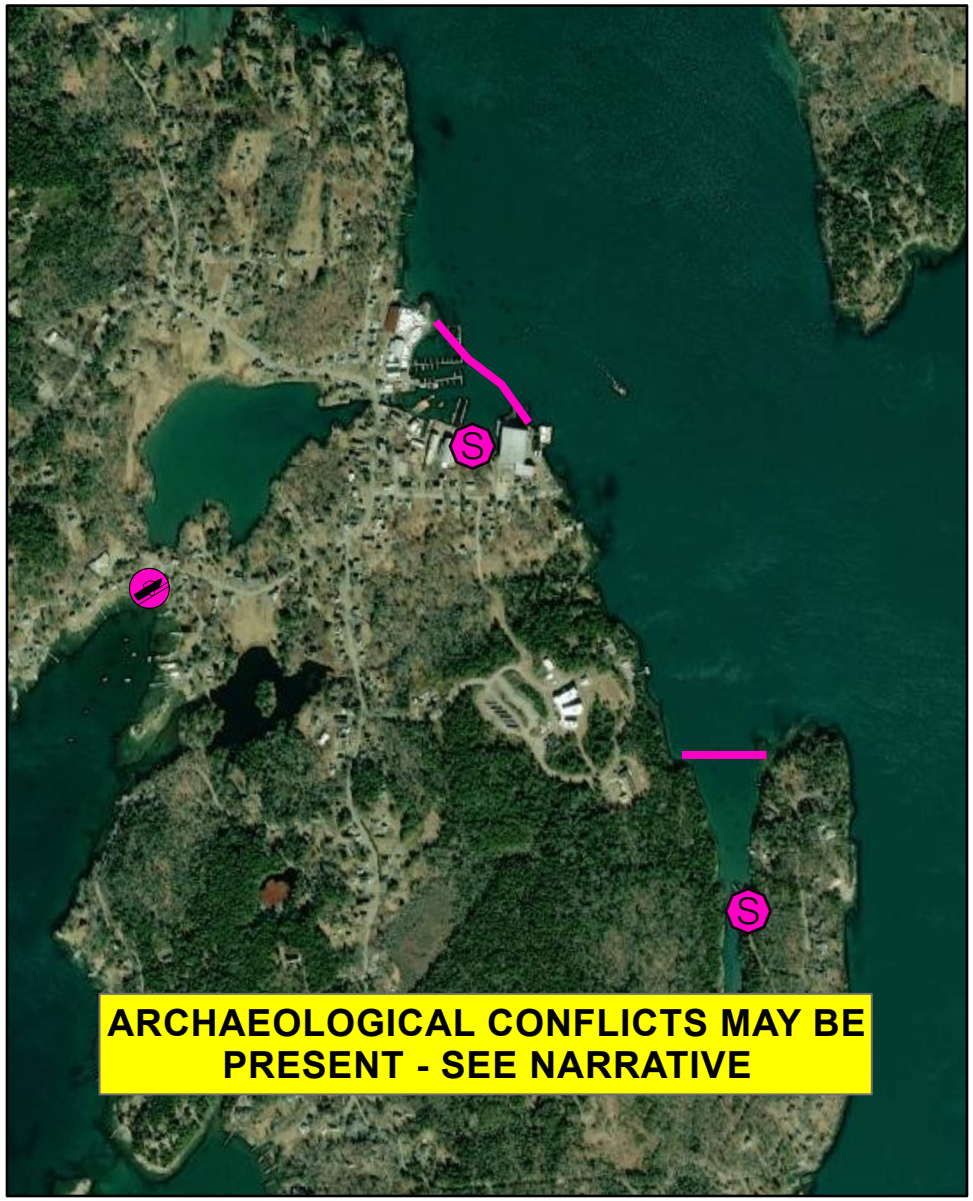
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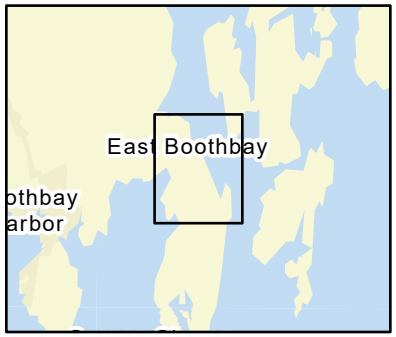
## Lower Damariscotta River - Montgomery Point

## Boothbay, ME

0 1,000 2,000 Feet

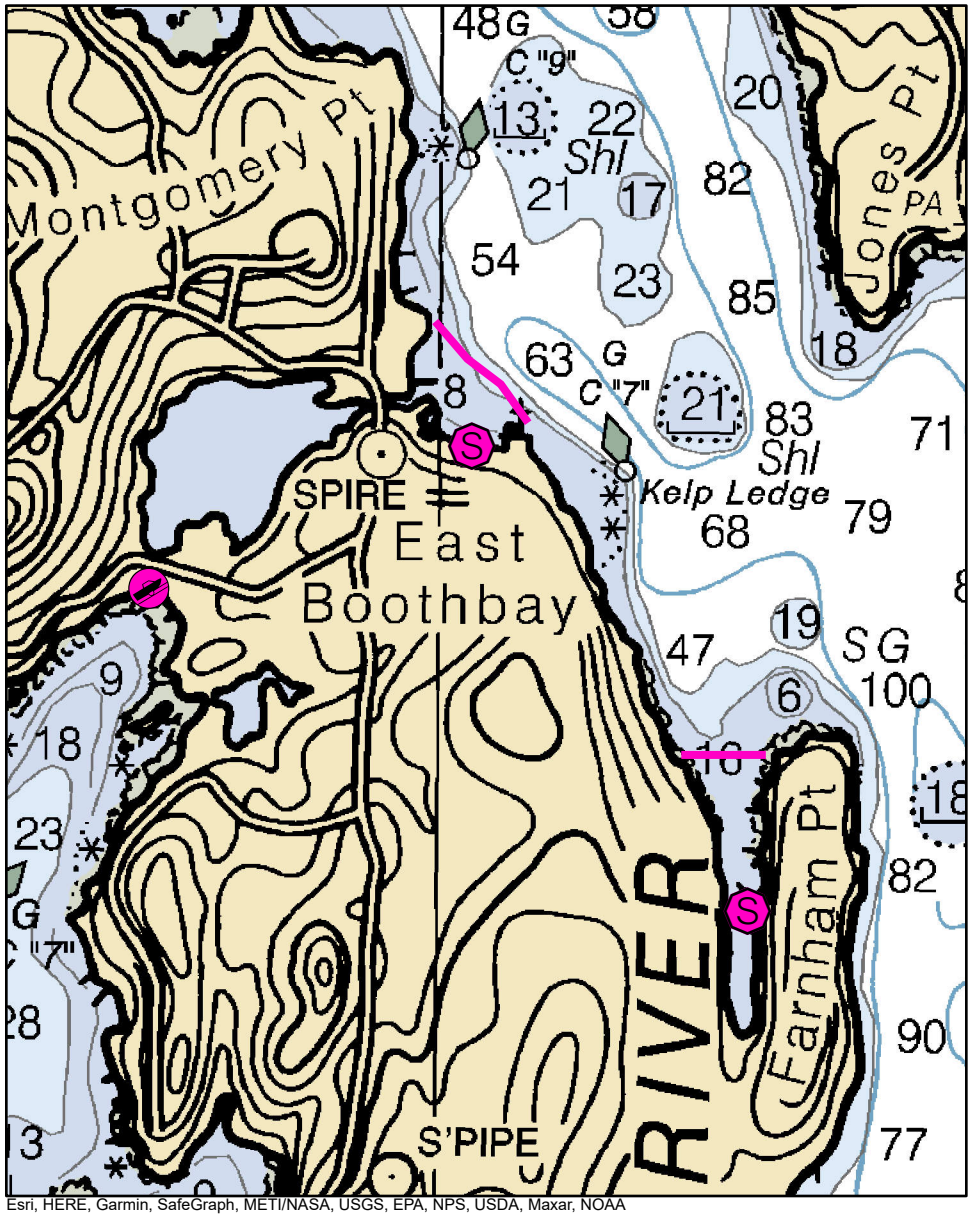
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-39-3 Lower Damariscotta River - Montgomery Point

**Town** Boothbay
**Latitude** 43° 52.03' N **Longitude** 69° 34.82' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Casco Bay
**NOAA Chart #** 13293_1
**ESI Map #** 45A
**EVI Map #** 25
**DeLorme Map # (2019)** 7 C3

## Resources At Risk

**ESI Primary Shoreline Type** Exposed, solid man-made structures (1B)
**ESI Secondary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)

**Environmental Concerns** Lobster pound near Farnham Pt.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To exclude oil from wharves and lobster pound

**Staging Areas** Washburn and Doughty Associates shipyard, 7 Enterprise Lane, East Boothbay

**Site Access** Washburn and Doughty Associates shipyard, 7 Enterprise Lane, East Boothbay, or lobster pound at 180 Farnham Point Road, Boothbay

**Nearest Boat Ramp** Linekin Bay boat ramp (part-tide), Murray Hill Road, East Boothbay

**Collection Points** N/A

**Special Instructions**

**Work Assignment** Deploy 900' of harbor boom around perimeter of marinas and wharf at cove in East Boothbay. Deploy additional 650' of harbor boom from Farnham Pt. to mainland.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1550 **Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

| Shipyard: | Lobster pound: |
|---|---|
| 3 - shoreside connections | 2 - shoreside connections |
| 2 - workboats with minimum 90 hp | 2 - workboats with minimum 90 hp |
| 2 - boat operators | 2 - boat operators |
| 4 - laborers | 4 - laborers |

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 10/17/2005 **Last Field Test:**

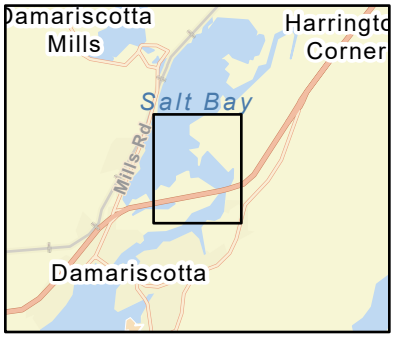
# B-40-1

## Salt Bay

## Damariscotta / Newcastle, ME

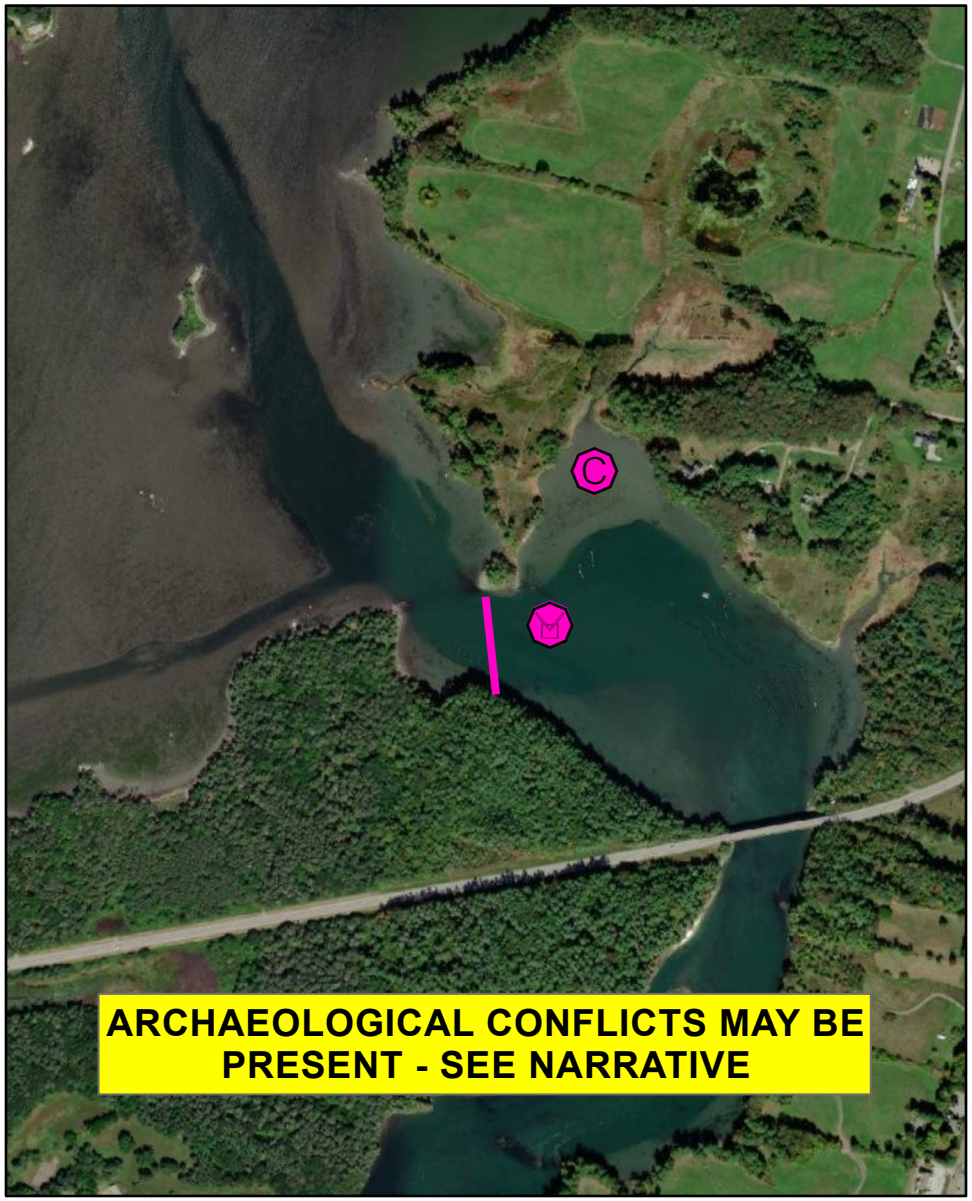
0 1,000 2,000 Feet

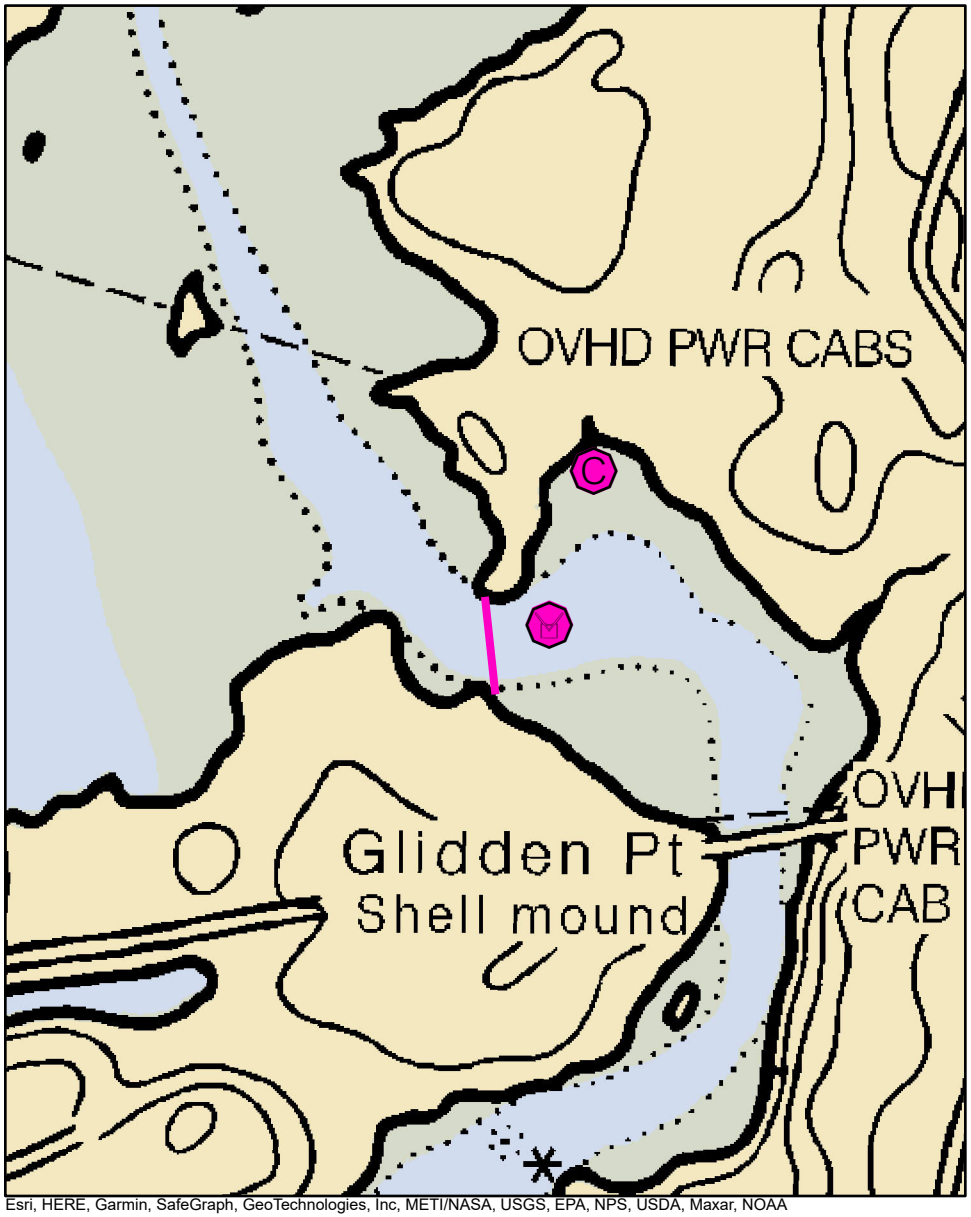
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-40-1 Salt Bay

**Town** Newcastle / Damariscotta
**Latitude** 44 3.233' N **Longitude** 69 31.299' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Casco Bay
**NOAA Chart #** 13293_1
**ESI Map #** 39A
**EVI Map #** 33
**DeLorme Map # (2019)** 7 A3

## Resources At Risk

**ESI Primary Shoreline Type** Vegetated low banks (9B)
**ESI Secondary Shoreline Type** Sheltered tidal flats (7)

**Environmental Concerns** Remnant American Oyster population. Extensive eelgrass. Diadromous fish and elver runs. Shorebird habitat. Horseshoe crabs. Aquaculture locations on southern side of river.

**Archaeological Conflicts** Highly sensitive area with nationally registered locations. Utilize tree or boulder anchors and avoid subsurface disturbances. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert oil from Salt Bay

**Staging Areas** Damariscotta boat launch, Main Street, Rte. 1, Damariscotta

**Site Access** By water from Damariscotta boat launch, Main Street, Rte. 1, Damariscotta

**Nearest Boat Ramp** Damariscotta boat launch, Main Street, Rte. 1, Damariscotta

**Collection Points** With skimmer or at cove on east side of channel. Land owned by Damariscotta River Association: 563-1393

**Special Instructions** Numerous archaeological sites in area. Contact Maine Historic Preservation Commission: 287-2132

**Work Assignment** Place 600' of harbor boom across channel at entrance to Salt Bay.

## Recommended Equipment / Resources

**Length of Boom (feet)** 600 **Type of Boom** Harbor / Intertidal

**Recommended Equipment (Minimum)**
3 - shoreside connections
1 - workboats with minimum 90 hp
1 - boat operators
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 7/24/2006 **Last Field Test:**

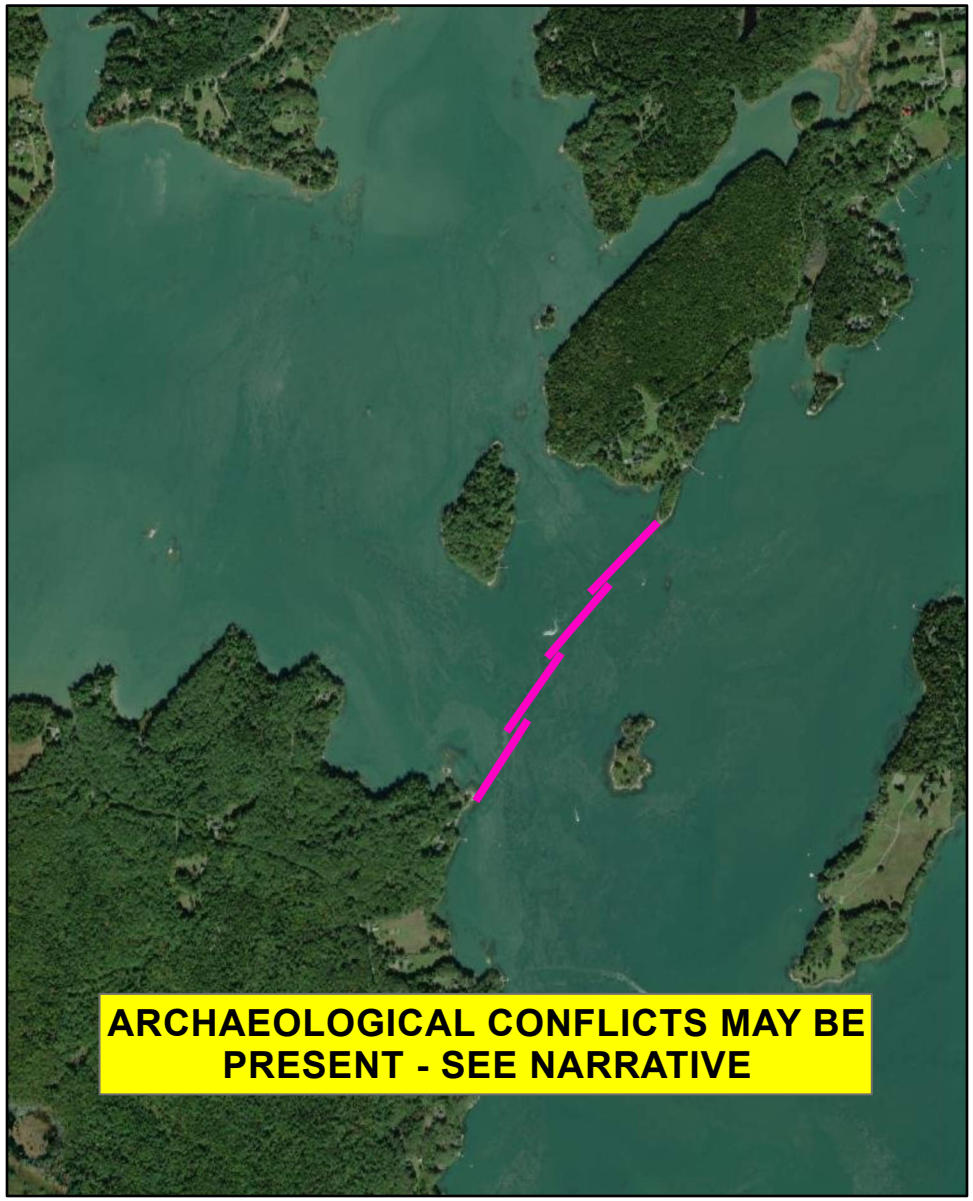
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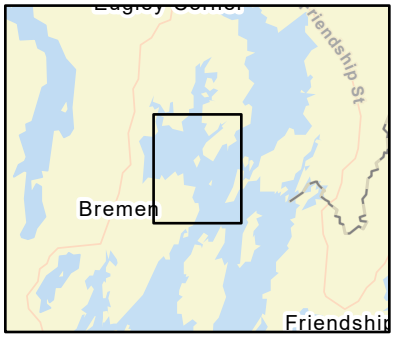
## Broad Cove - Bremen

## Bremen, ME

0 2,175 4,350 Feet

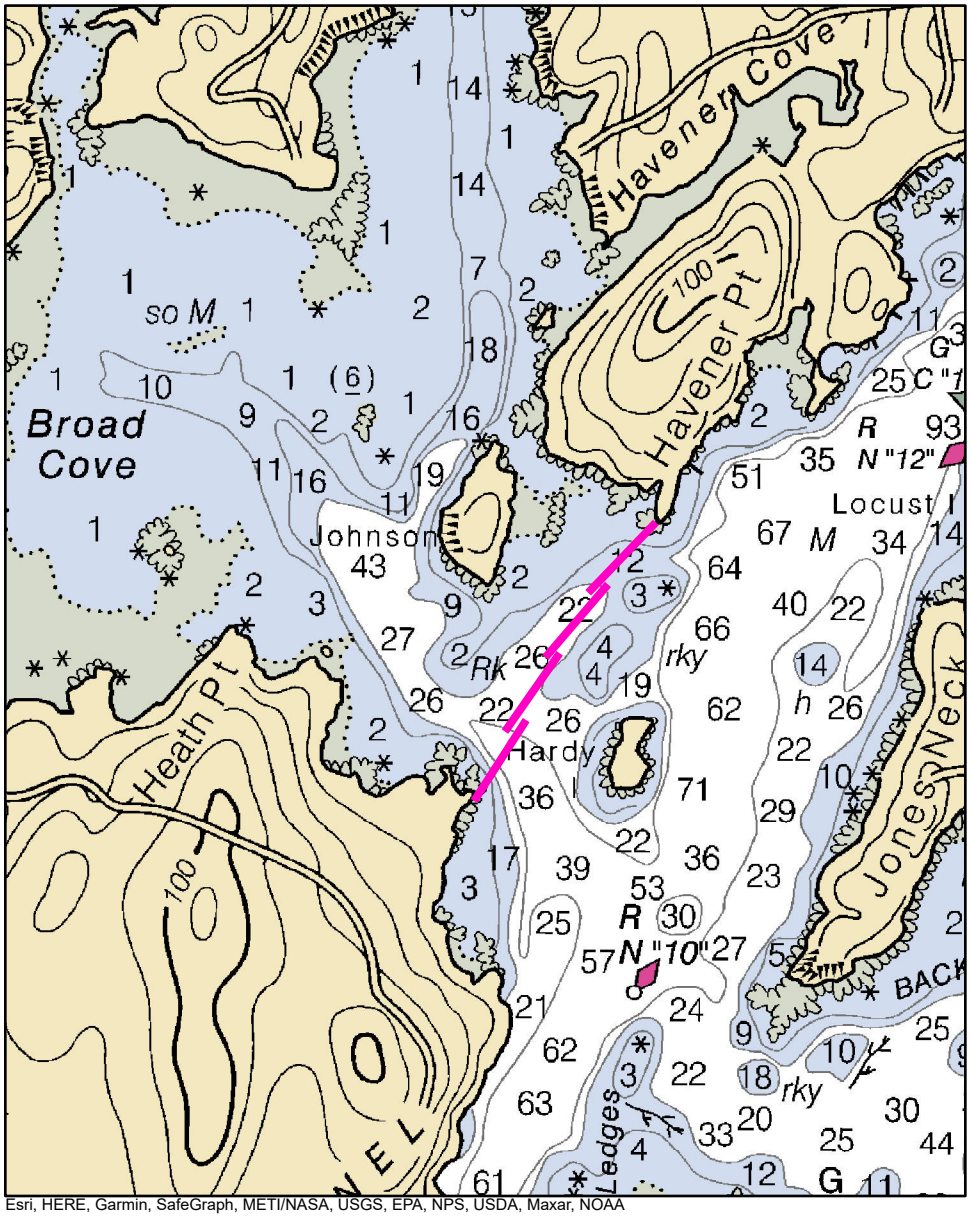
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# B-41-1 Broad Cove - Bremen

**Town** Bremen / Waldoboro
**Latitude** 44° 01.250' N **Longitude** 69° 23.313' W
**Approx. Tidal Range (feet)** 36
**Max Current (knots)** **Flood** < 1 knot **Ebb**
**Source**

**Port Region** Casco Bay
**NOAA Chart #** 13301_1
**ESI Map #** 38A, 38B
**EVI Map #** 34
**DeLorme Map # (2019)** 7 A5

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Tidal flats, shellfish beds, shorebird and waterfowl habitat in Broad Cove

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To exclude oil from Broad Cove

**Staging Areas** Dutch Neck Landing (part-tide), Rd. 1965, Waldoboro

**Site Access** Dutch Neck Landing (part-tide), Rd. 1965, Waldoboro

**Nearest Boat Ramp** Dutch Neck Landing (part-tide), Rd. 1965, Waldoboro

**Collection Points** N/A

**Special Instructions** Havener Cove, Western branch most important to protect.

**Work Assignment** Deploy four 800' sections of boom in deflection configuration from Havener Point to the opposite shore of Broad Cove..

## Recommended Equipment / Resources

**Length of Boom (feet)** 3200
**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
6 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy
2 - shoreside connections
2 - workboats with minimum 90 hp
2 - boat operators
6 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** **Last Field Test:**

# C-01-1

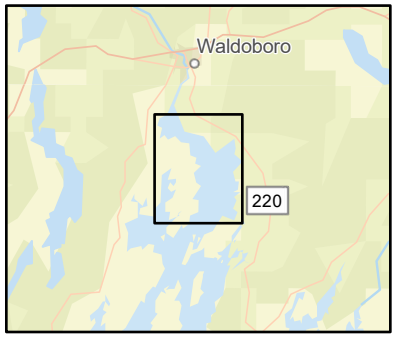
## Medomak River

## Waldoboro, ME

0 3,000 6,000 Feet

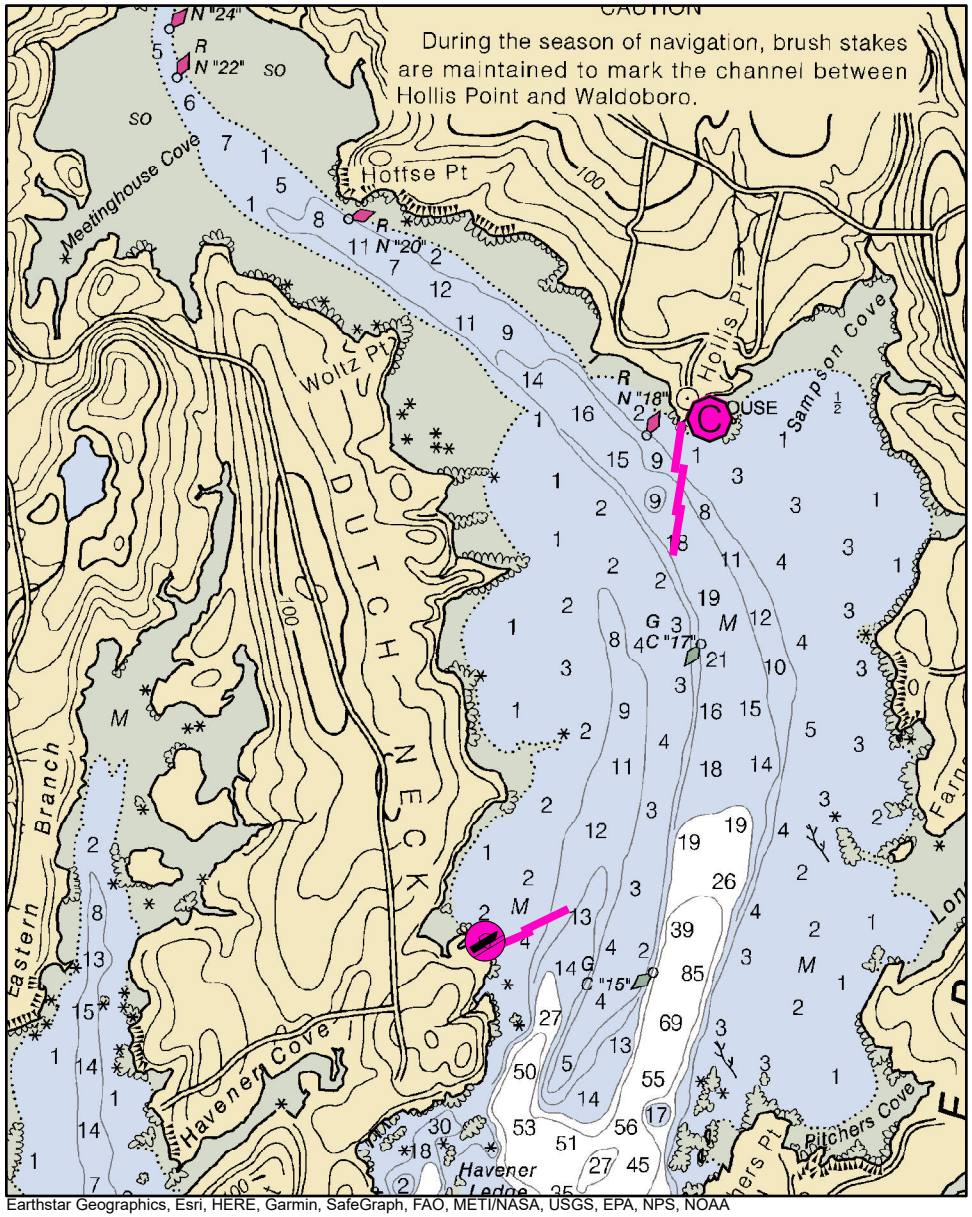
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Earthstar Geographics, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NOAA

# C-01-1 Medomak River

**Town** Waldoboro
**Latitude** 44° 02.475'N **Longitude** 69° 22.258' W
**Approx. Tidal Range (feet)** 4 - 9
**Max Current (knots)** **Flood** 4 knots **Ebb**
**Source** estimated

**Port Region** Penobscot Bay
**NOAA Chart #** 13301_1
**ESI Map #** 38A, 38B
**EVI Map #** 34, 35
**DeLorme Map # (2019)** 7 A5

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered rocky shores (8A)
**ESI Secondary Shoreline Type** Mixed sand and gravel beaches (5)

**Environmental Concerns** Tidal flats, shellfish beds, eelgrass, horseshoe crabs and fringing marsh in upper Medomak River

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To divert oil from river mainstem for collection

**Staging Areas** Dutch Neck boat ramp, Rd. 1965, Waldoboro, at south section of boom

**Site Access** Dutch Neck boat ramp, Rd. 1965, Waldoboro

**Nearest Boat Ramp** Dutch Neck boat ramp, Rd. 1965, Waldoboro

**Collection Points** Hollis Point/Sampson Cove

**Special Instructions**

**Work Assignment** Incoming tide: deploy three 600' sections of harbor boom overlapping in a southerly direction to attempt collection at Hollis Point.

Outgoing tide: deploy two 600' sections of boom in NE direction on east side of Dutch Neck to deflect into river toward Hollis Point.

## Recommended Equipment / Resources

**Length of Boom (feet)** Incoming: 1200, Outgoing: 1800

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

Incoming:

3 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy
1 - shoreside connection
2 - workboats with minimum 90 hp
2 - boat operators
4- laborers

Outgoing:

5 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy
1 - shoreside connection
1 - skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4- laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** **Last Field Test:**

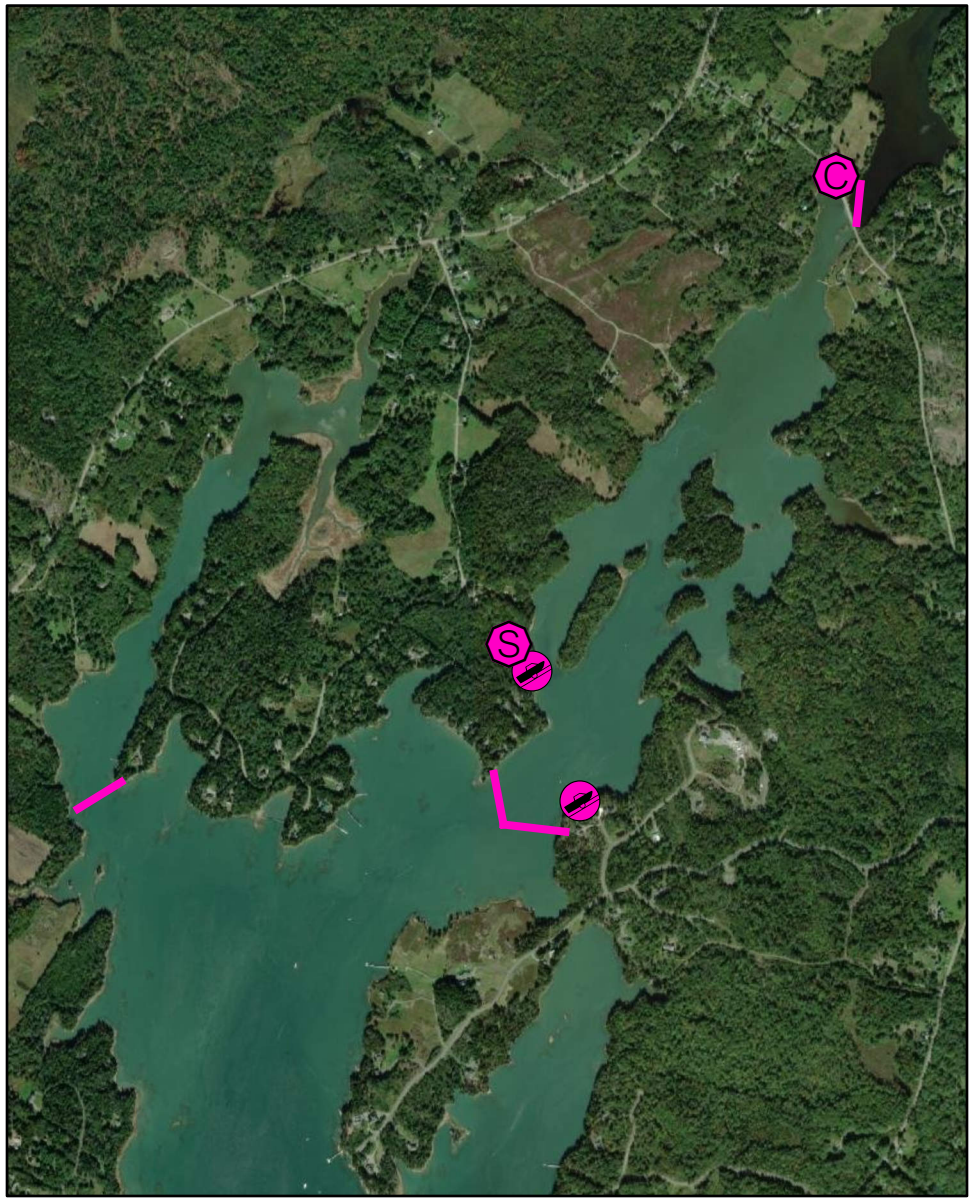
# C-02-1

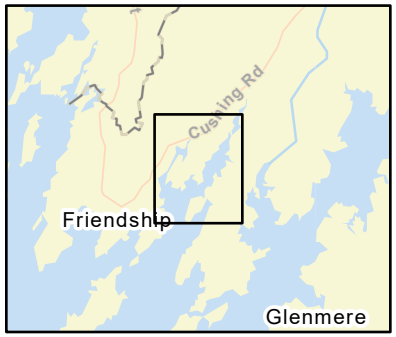
## Meduncook River / Back River

## Friendship / Cushing, ME

0 2,000 4,000 Feet

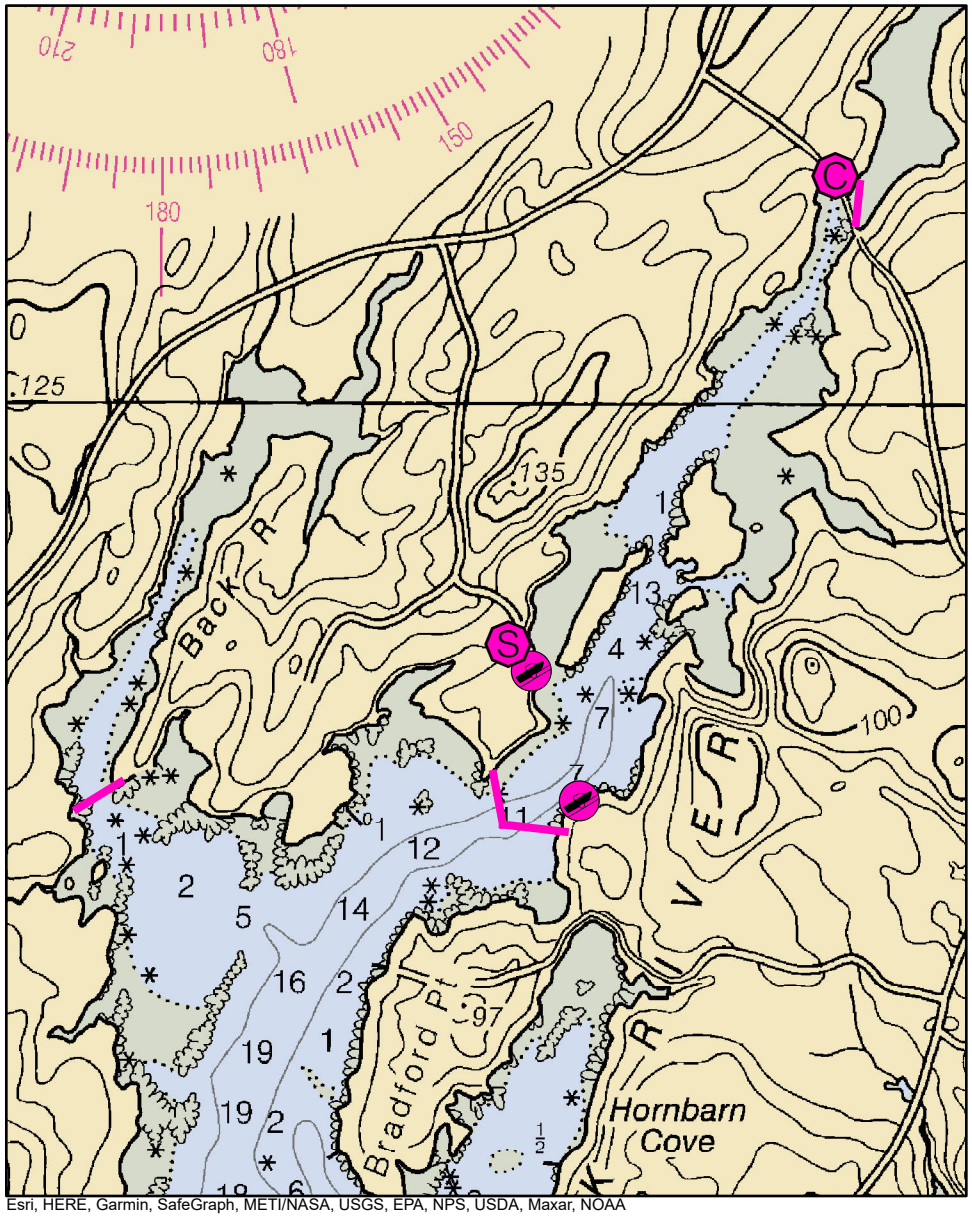
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# C-02-1 Meduncook River / Back River

**Town** Friendship / Cushing
**Latitude** 43° 59.62' N **Longitude** 69° 18.175' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** 1 - 2 knots **Ebb**
**Source** Estimated

**Port Region** Penobscot Bay
**NOAA Chart #** 13301_1
**ESI Map #** 38A, 38C
**EVI Map #** 35
**DeLorme Map # (2019)** 8 B1

## Resources At Risk

**ESI Primary Shoreline Type** Vegetated low banks (9B)
**ESI Secondary Shoreline Type** Exposed tidal flats (7)

**Environmental Concerns** Sheltered tidal flats, shellfish beds, shorebird and wading bird habitat, eelgrass, marine worms and salt marsh in upper rivers

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To exclude oil from Back and Meduncook Rivers

**Staging Areas** Wadsworth Point boat ramp, Wadsworth Point Road, Friendship

**Site Access** Wadsworth Point Road, Friendship

**Nearest Boat Ramp** Wadsworth Point boat ramp, Wadsworth Point Road, Friendship

**Collection Points** Primary exclusion. If necessary, collect from north side of bridge on Route 97.

**Special Instructions**

**Work Assignment** Deploy 550' and 450' lengths of boom from both sides at entrance to Meduncook River in chevron formation.
Deploy 500 feet of boom at entrance to Back River.
Deploy 250 of boom at the salt marsh located east of Route 97'.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1750 **Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
1 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy
6 - shoreside connections
2 - workboats with minimum 90 hp
2 - boat operators
4- laborers

1 - skimmer and storage if needed

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** **Last Field Test:**

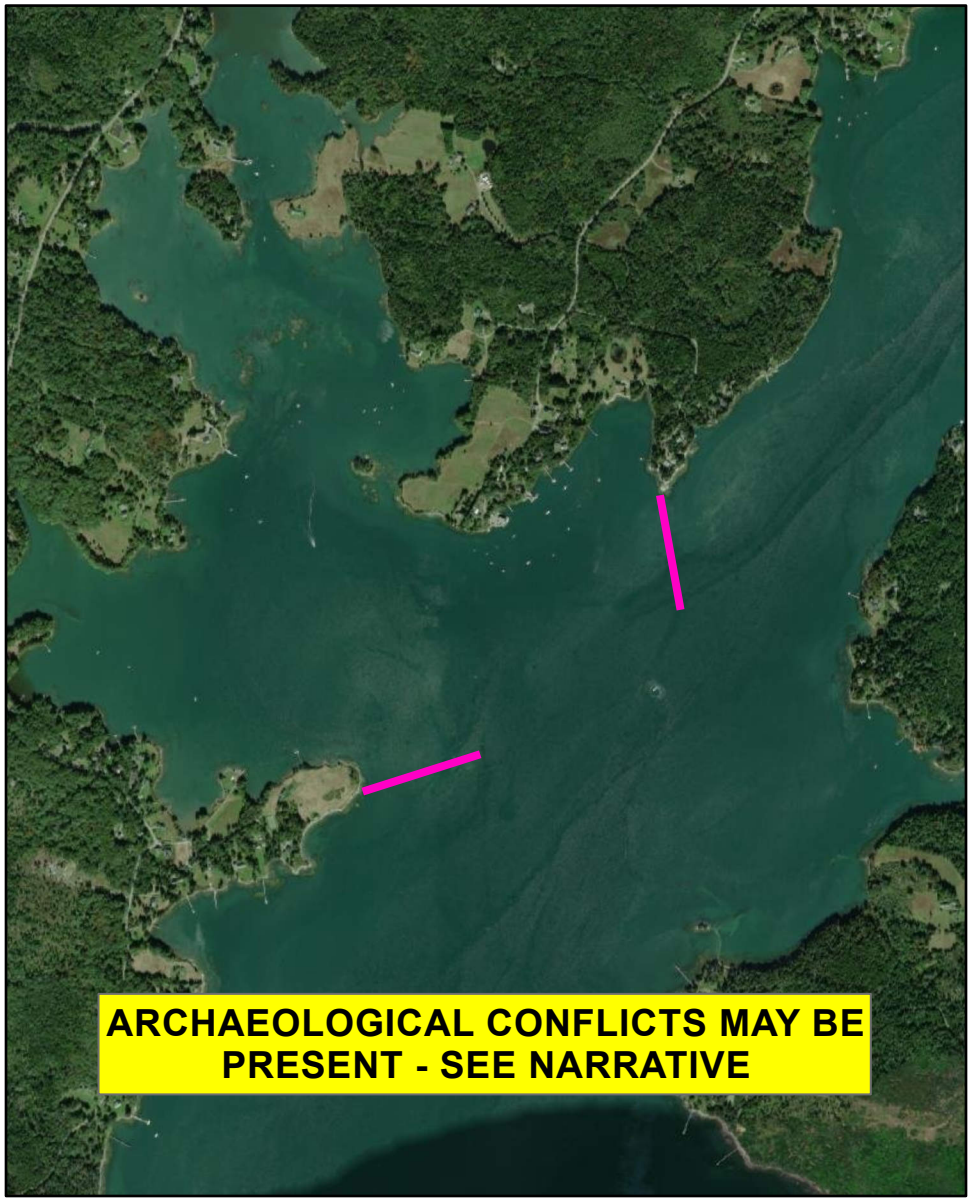
# C-03-1

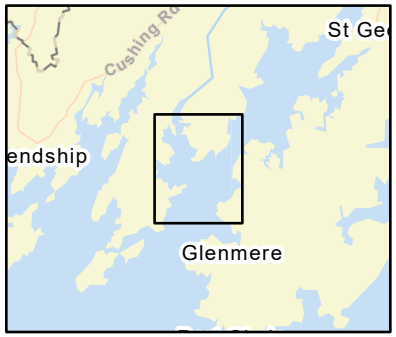
## Maple Juice Cove, Saint George River

## Cushing, ME

0 2,000 4,000 Feet

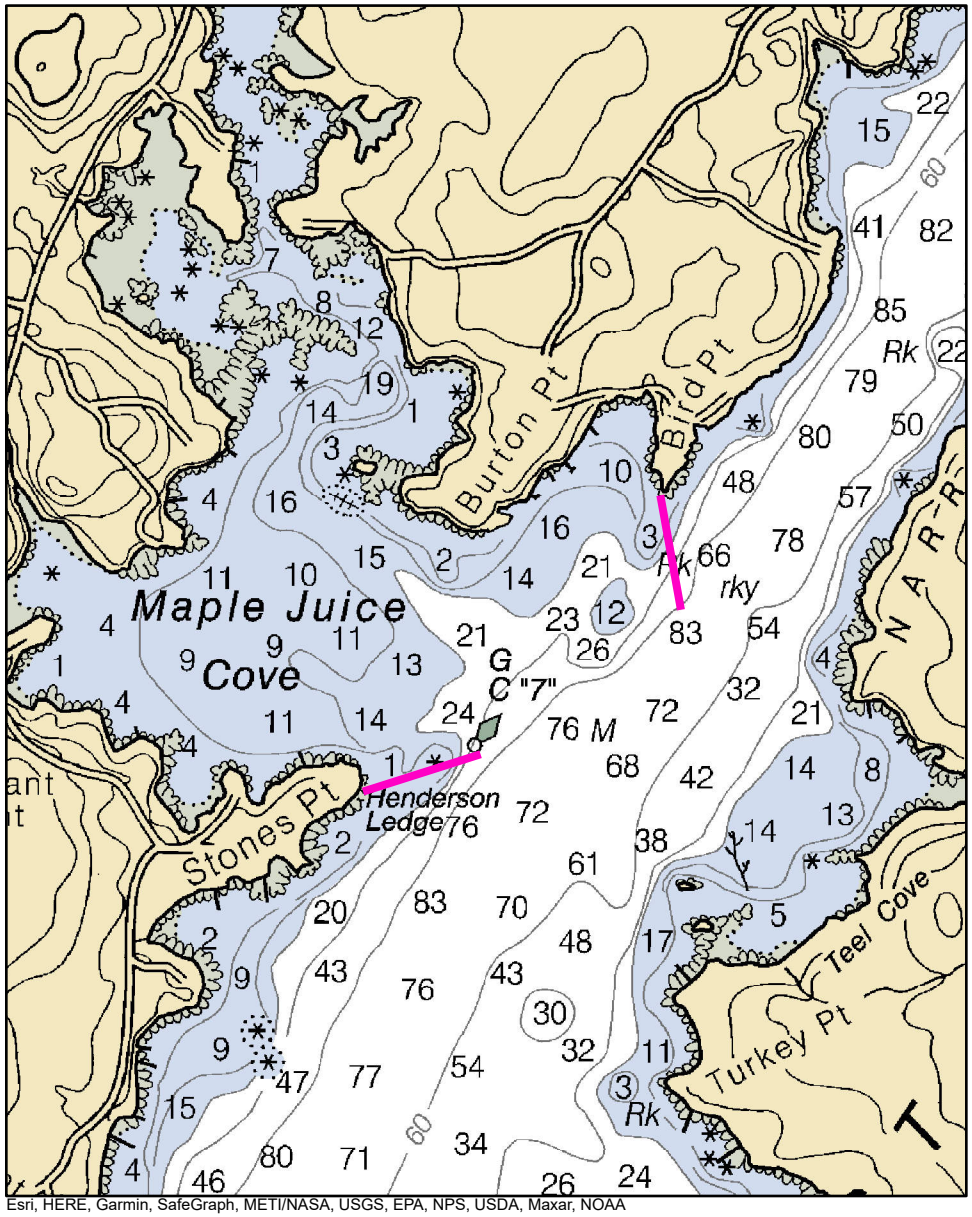
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# C-03-1 Maple Juice Cove, St. George River

**Town** Cushing
**Latitude** 43° 58.486' N **Longitude** 69° 16.166' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** 1 - 2 knots **Ebb**
**Source** estimated

**Port Region** Penobscot Bay
**NOAA Chart #** 13301_1
**ESI Map #** 37D
**EVI Map #** 35
**DeLorme Map # (2019)** 8 B1

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)

**ESI Secondary Shoreline Type** Mixed sand and gravel beaches (5)

**Environmental Concerns** Sheltered tidal flats, shellfish bids, shorebird areas, diadromous fish and eelgrass in upper cove.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To deflect oil from Maple Juice Cove

**Staging Areas** Thomaston Town Landing, Water Street, Thomaston

**Site Access** By water from Thomaston Town Landing or possibly from Sam Olson Wharf Seafood Market, Hawthorne Point Road in Cushing (on Burton Point). (207) 354-6798

**Nearest Boat Ramp** Thomaston Town Landing, Water Street, Thomaston (4 miles)

**Collection Points** N/A

**Special Instructions** Note that Olson House (historic site owned by Farnsworth Museum) is on Burton Point

**Work Assignment** Deploy one 1000 foot length of boom extending from Stones Pt. to the northeast, and one 1000 foot length from Bird Pt. to the southwest.

Alternative may be to boom from Stones Point to Burton Point to close off cove if current allows

## Recommended Equipment / Resources

**Length of Boom (feet)** 2000

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy
2 - shoreside connection
2 - workboats with minimum 90 hp
2 - boat operators
4- laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** **Last Field Test:**

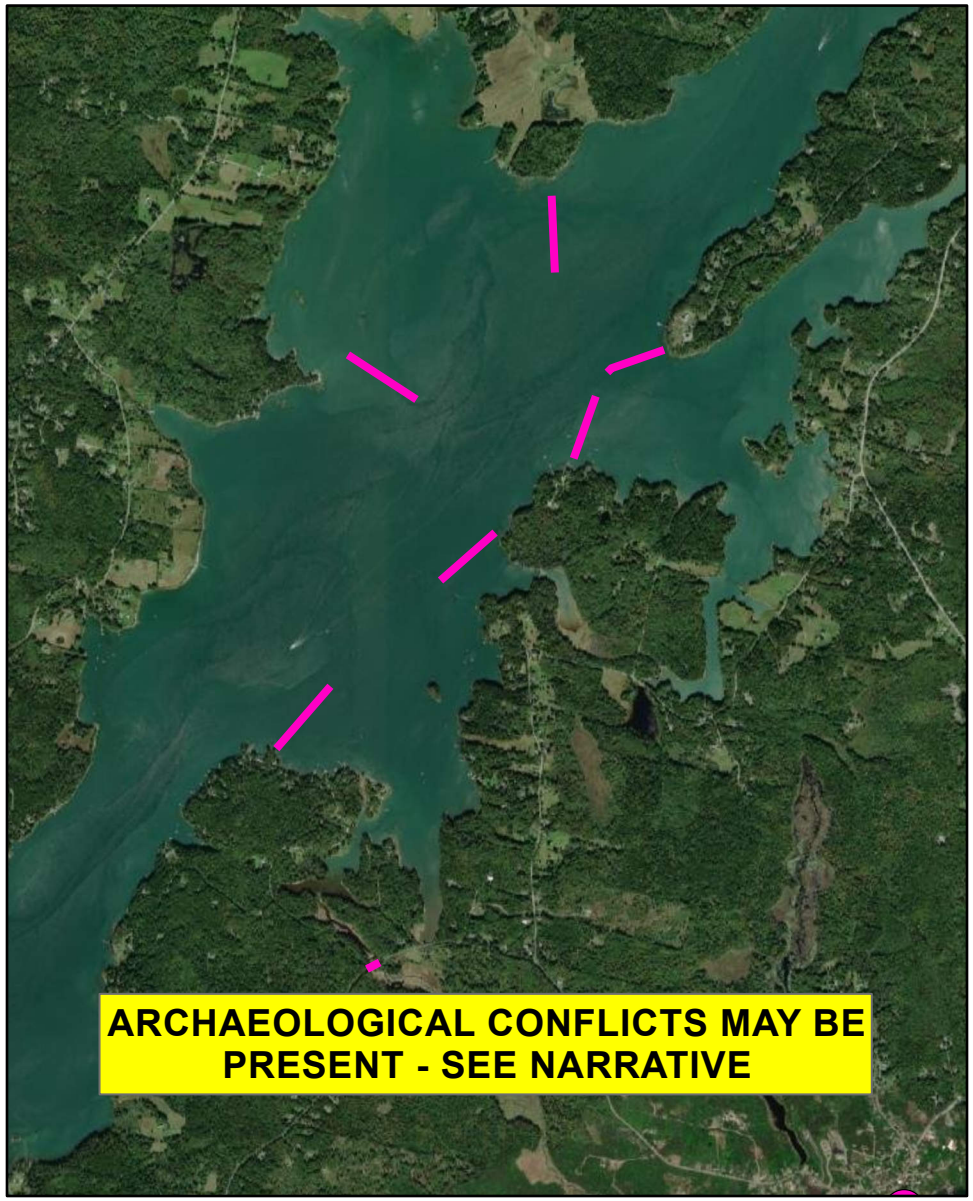
# C-04-1

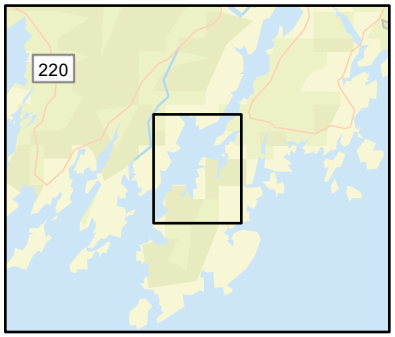
## Otis Cove / Watts Cove / Cutler Cove / Broad Cove

## Saint George, ME

0 3,000 6,000 Feet

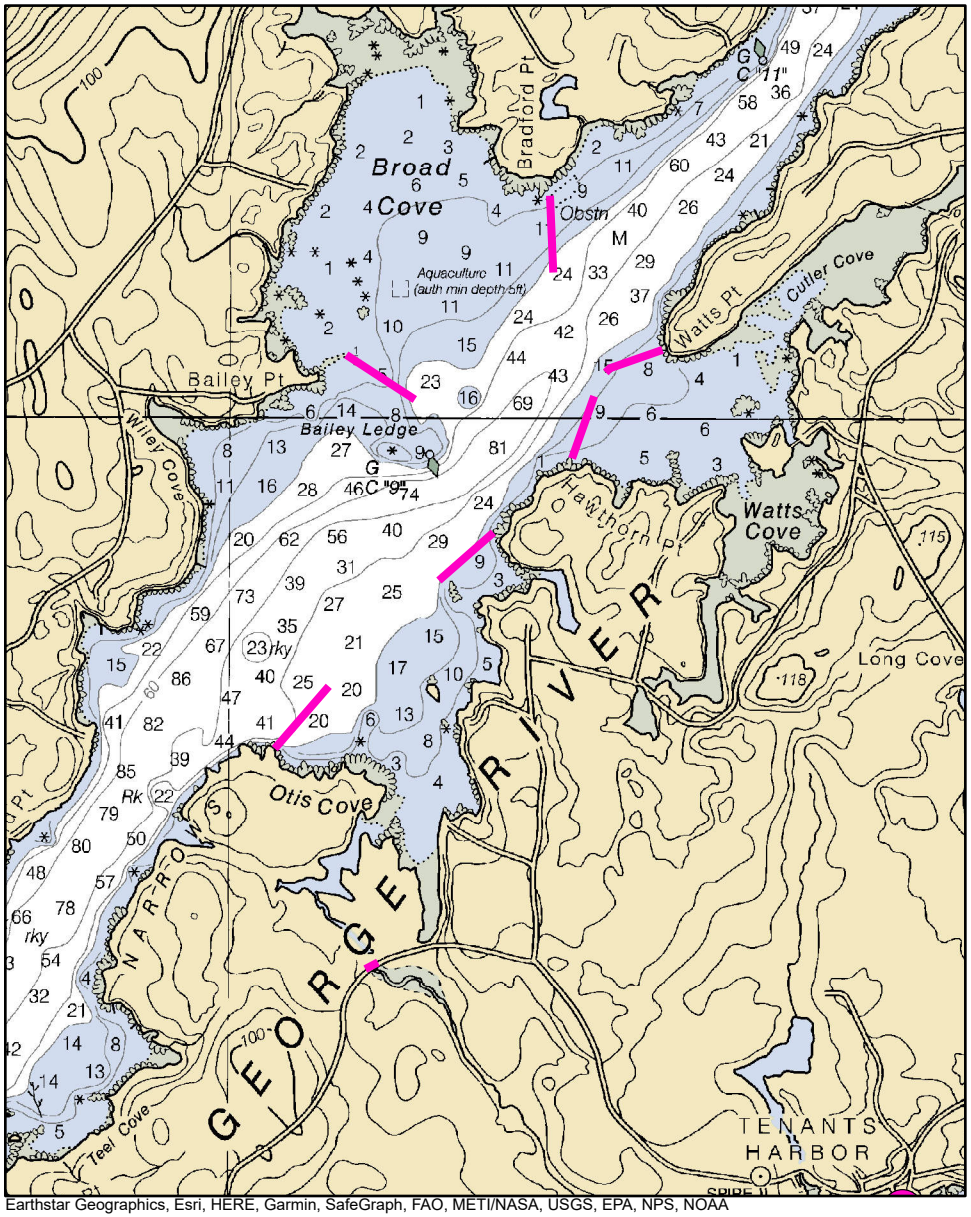
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Earthstar Geographics, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NOAA

# C-04-1 Otis, Watts, Cutler and Broad Coves

**Town** Saint George
**Latitude** 43° 59.259' N **Longitude** 69° 14.708' W
**Approx. Tidal Range (feet)** 10 - 20'
**Max Current (knots)** **Flood** 1 - 2 knots **Ebb**
**Source** Estimated

**Port Region** Penobscot Bay
**NOAA Chart #** 13301_1
**ESI Map #** 37D, 37B
**EVI Map #** 35, 36
**DeLorme Map # (2019)** 8 A2, B2

## Resources At Risk

**ESI Primary Shoreline Type** Vegetated low banks (9B)
**ESI Secondary Shoreline Type** Mixed sand and gravel beaches (5)

**Environmental Concerns** Coves contain high value shorebird areas and shellfish areas. Tidal flats and salt marshes. Otis Cove salt marsh requires only 100 feet of boom. Watts Cove is most sensitive.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To deflect oil from coves

**Staging Areas** Thomaston Town Landing, Water Street, Thomaston

**Site Access** Thomaston Town Landing, Water Street, Thomaston

**Nearest Boat Ramp** Thomaston Town Landing, Water Street, Thomaston

**Collection Points** n/a

**Special Instructions** Local area knowledge of ledges is critical.

**Work Assignment** Deploy 100 feet of boom across Turkey Road in Otis Cove at entrance to marsh. If resources allow, use 1000' lengths of boom to deflect oil from Otis Cove, Watts Cove, Cutler Cove and Broad Cove depending on tide direction.

## Recommended Equipment / Resources

**Length of Boom (feet)** 100 and 6000

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

Otis Cove salt marsh:

1 - vehicle with boom
2 - shoreside connections
1 - vacuum truck or skimmer and storage if needed
2 - laborers

For each of remaining coves:

2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy
2 - shoreside connection
2 - workboats with minimum 90 hp
2 - boat operators
4- laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 9/11/2009 **Last Field Test:**

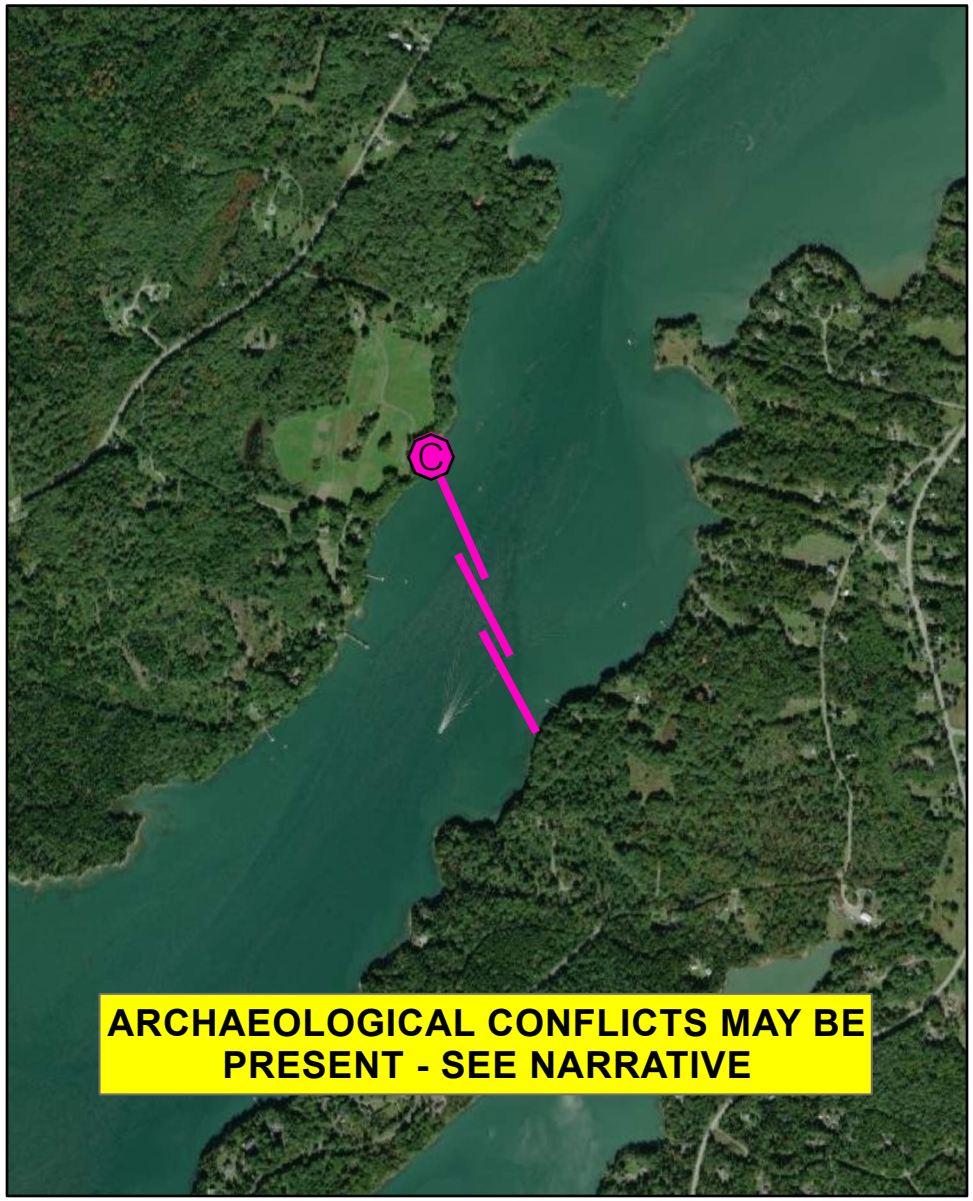
# C-05-1

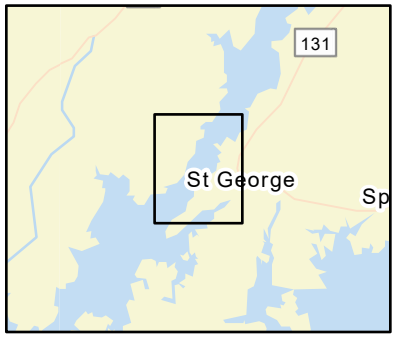
## Saint George River

## Cushing / Saint George, ME

0 1,000 2,000 Feet

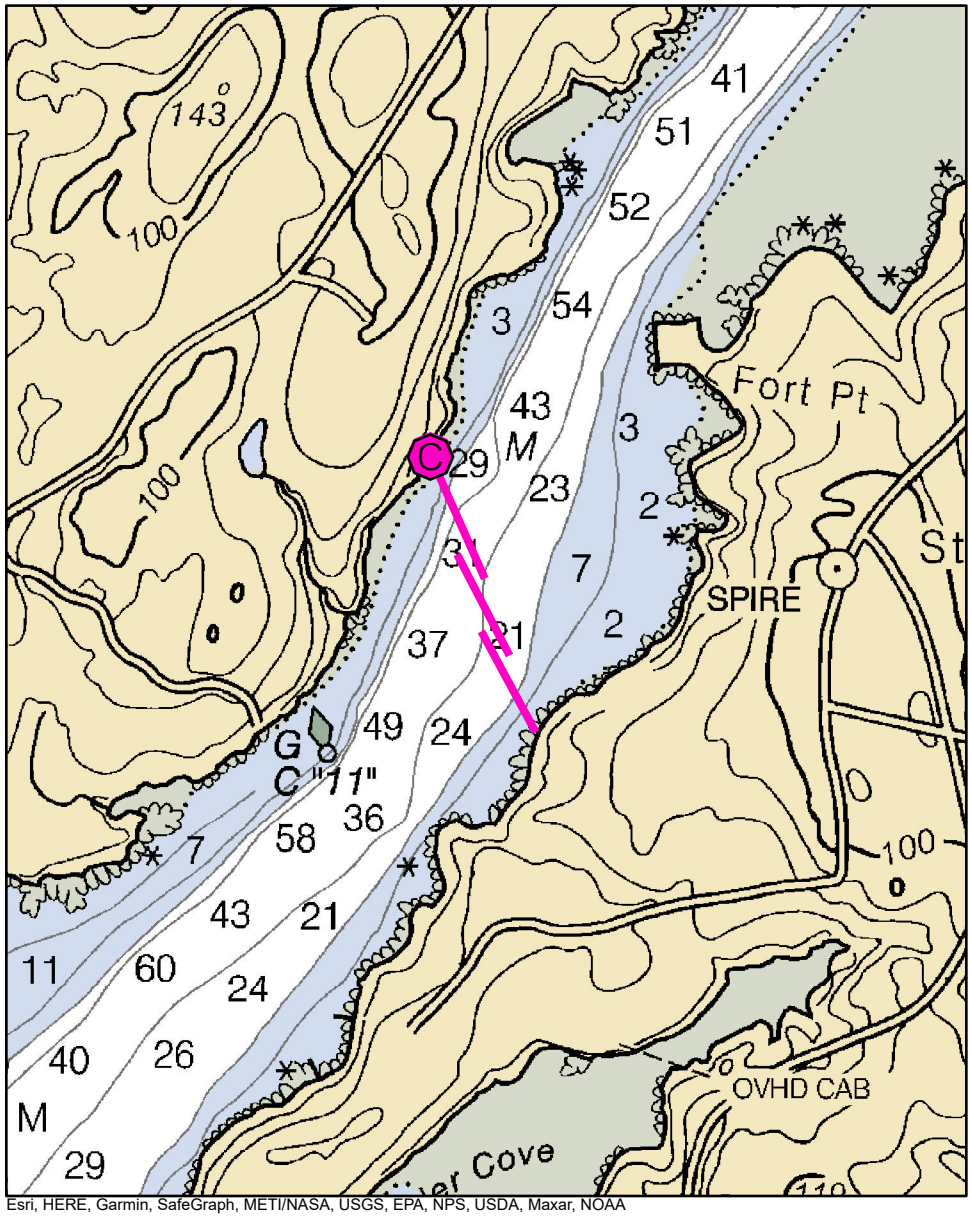
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# C-05-1 St. George River

**Town** Cushing /St. George
**Latitude** 44° 1.164 N **Longitude** 69° 12.792 W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** 1 knot **Ebb**
**Source** Estimated

**Port Region** Penobscot Bay
**NOAA Chart #** 13301_1
**ESI Map #** 37B
**EVI Map #** 36
**DeLorme Map # (2019)** 8 A2

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)
**ESI Secondary Shoreline Type** Vegetated low banks (9B)

**Environmental Concerns** Sheltered tidal flats, shellfish beds, shorebird habitat, marine worm habitat and diadromous fish in upper St. George River

**Archaeological Conflicts** Stay within developed shoreline area. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** Divert oil from upper St. George River. Reverse strategy if spill is from upriver.

**Staging Areas** Parking area / dock on west side of river near 331 River Road, Cushing (Fire Rd 14)

**Site Access** West shore access near 331 River Road, Cushing (Fire Rd. 14)

**Nearest Boat Ramp** Thomaston boat launch, Water Street, Thomaston

**Collection Points** Possibly from shore at parking area / dock near 331 River Road, Cushing (Fire Rd 14)

**Special Instructions**

**Work Assignment** Place three 1000 foot sections of harbor boom across St. George River. Collection at parking area / dock near 331 River Road, Cushing (Fire Rd. 14)

## Recommended Equipment / Resources

**Length of Boom (feet)** 3000
**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy
2 - shoreside connection
2 - workboats with minimum 90 hp
2 - boat operators
4-6 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 9/11/2009 **Last Field Test:**

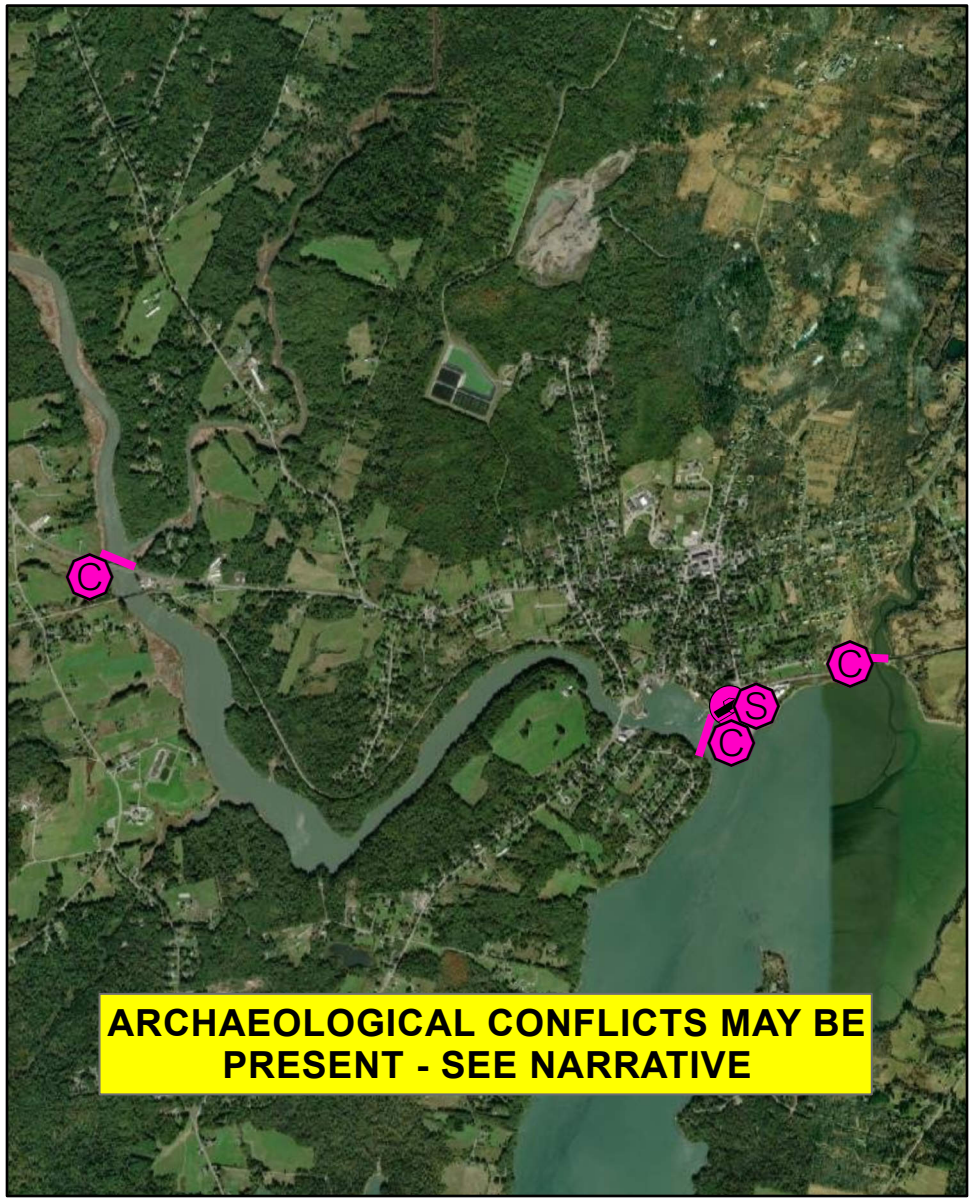
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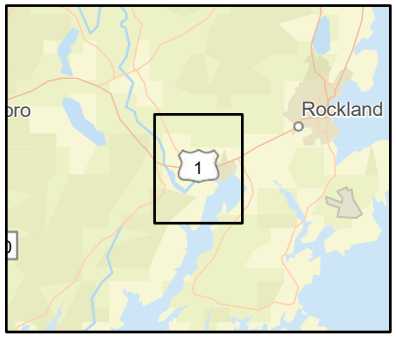
## Upper Saint George River

## Warren / Thomaston, ME

0 3,000 6,000 Feet

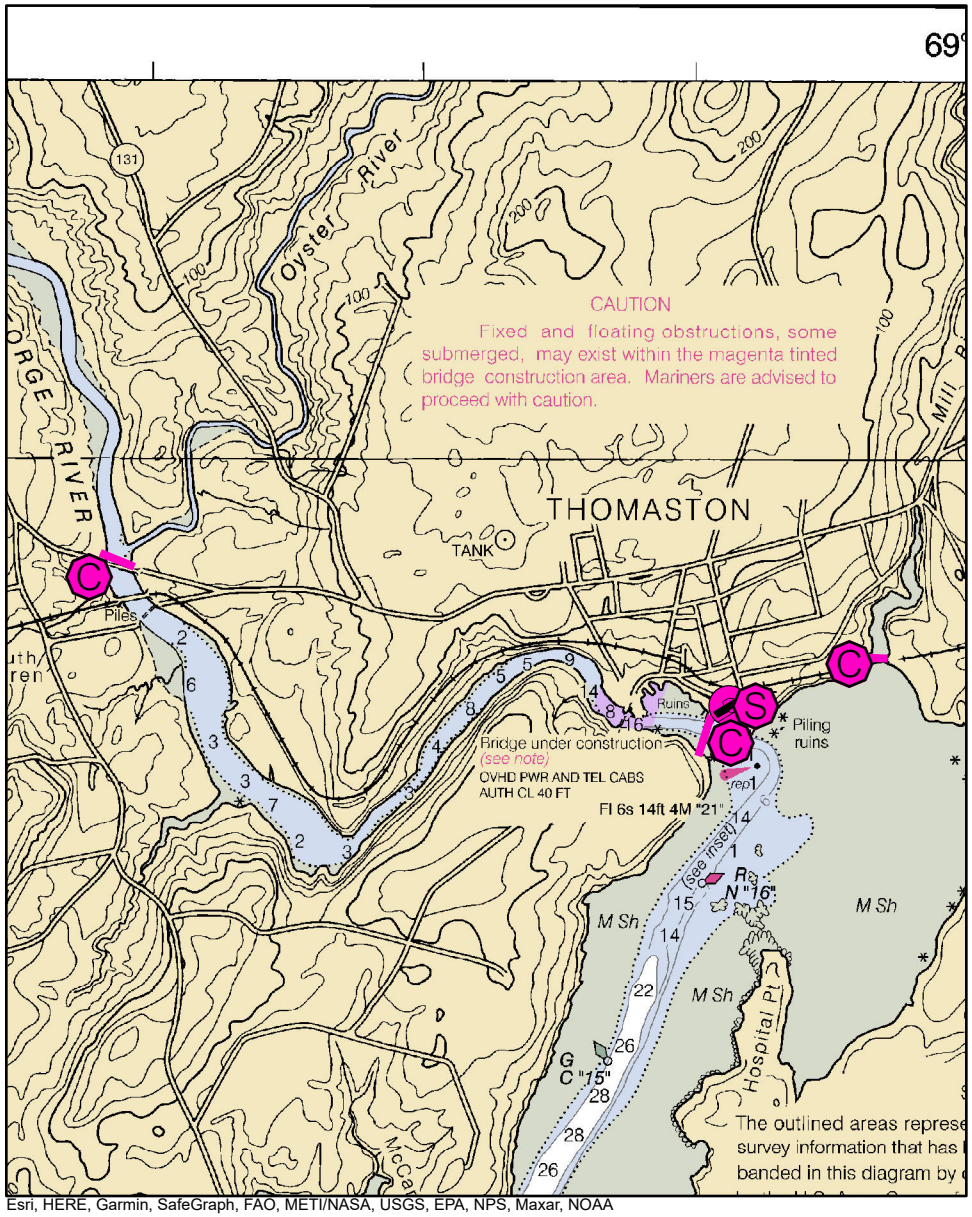
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, Maxar, NOAA

# C-06-1 Upper St. George River

**Town** Warren / Thomaston
**Latitude** 44° 4.236' N **Longitude** 69° 10.895' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** 1 knot **Ebb**
**Source** Estimated

**Port Region** Penobscot Bay
**NOAA Chart #** 13301_1
**ESI Map #** 37B, 37A
**EVI Map #** 36, 42
**DeLorme Map # (2019)** 8 A2

## Resources At Risk

**ESI Primary Shoreline Type** Vegetated low banks (9B)
**ESI Secondary Shoreline Type** Sheltered, solid man-made structures (8B)

**Environmental Concerns** Marshes upriver of Thomaston and upper Mill River: Diadromous fish runs, tidal flats, shorebird habitat and shellfish beds

**Archaeological Conflicts** Stay within developed areas. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert oil from upper St. George River and Mill River

**Staging Areas** Thomaston Town Landing, Water Street, Thomaston

**Site Access** Thomaston Town Landing, Water Street, Thomaston

**Nearest Boat Ramp** Thomaston Town Landing, Water Street, Thomaston

**Collection Points** Thomaston Town Landing, shore side of railroad bridge (Mill River) or Route 1 bridge

**Special Instructions**

**Work Assignment** Deploy 600 feet of boom across St. George River and collect at Thomaston Town Dock or adjacent boat lift.
Secondary: close off mouth of Mill River with 500 feet of boom at railroad bridge.
Tertiary: Deploy 500 feet of boom across the St. George River at Route 1 crossing.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1600 **Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

For each strategy:

2 - shoreside connection
1 - workboats with minimum 90 hp
1 - boat operators
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 9/11/2009 **Last Field Test:**

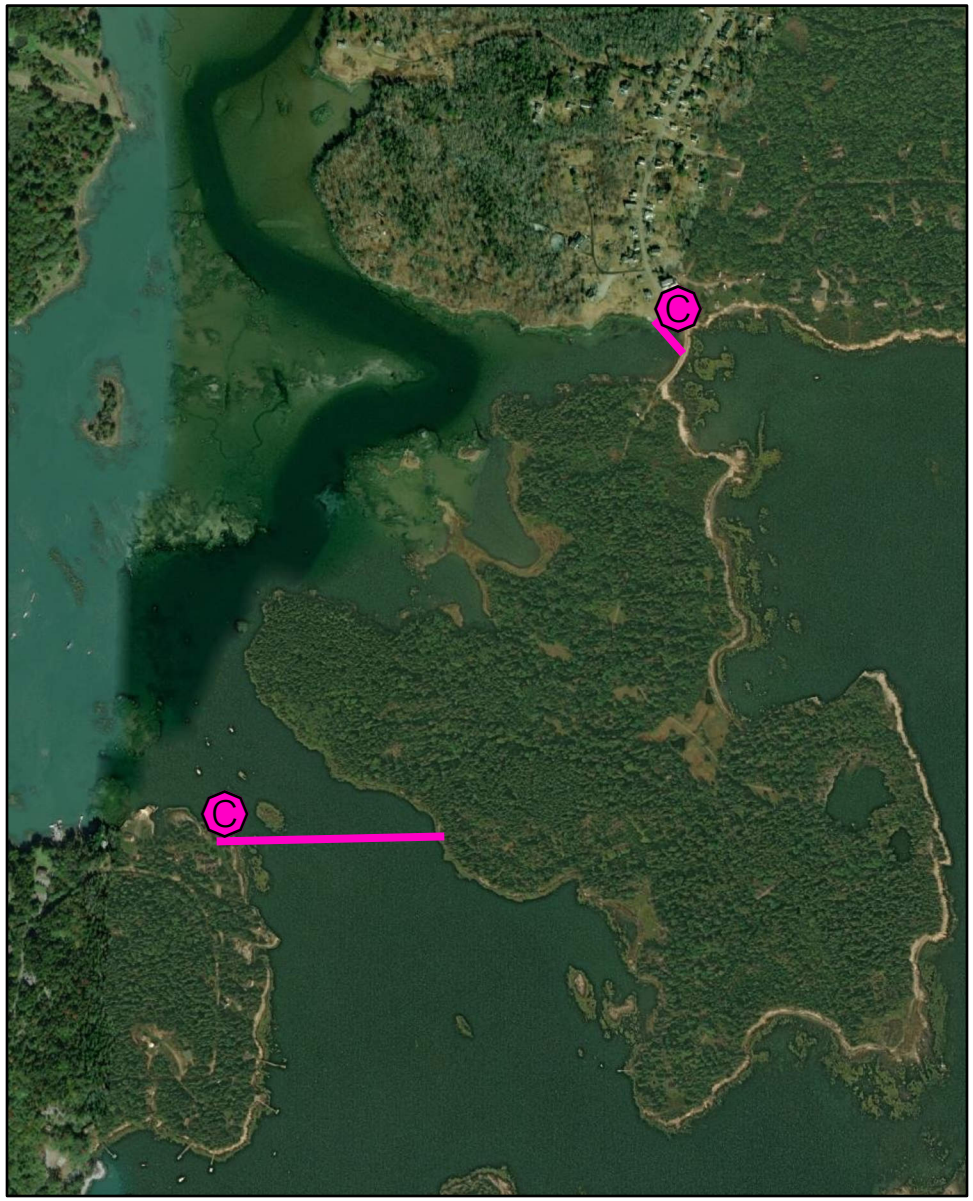
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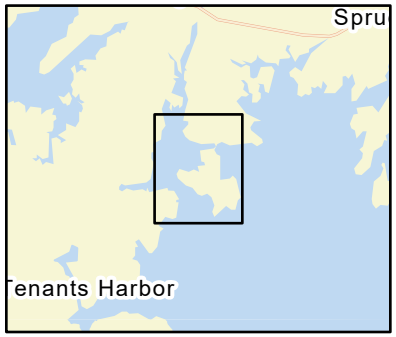
## Saint George: Long Cove

## Saint George, ME

0 1,000 2,000 Feet

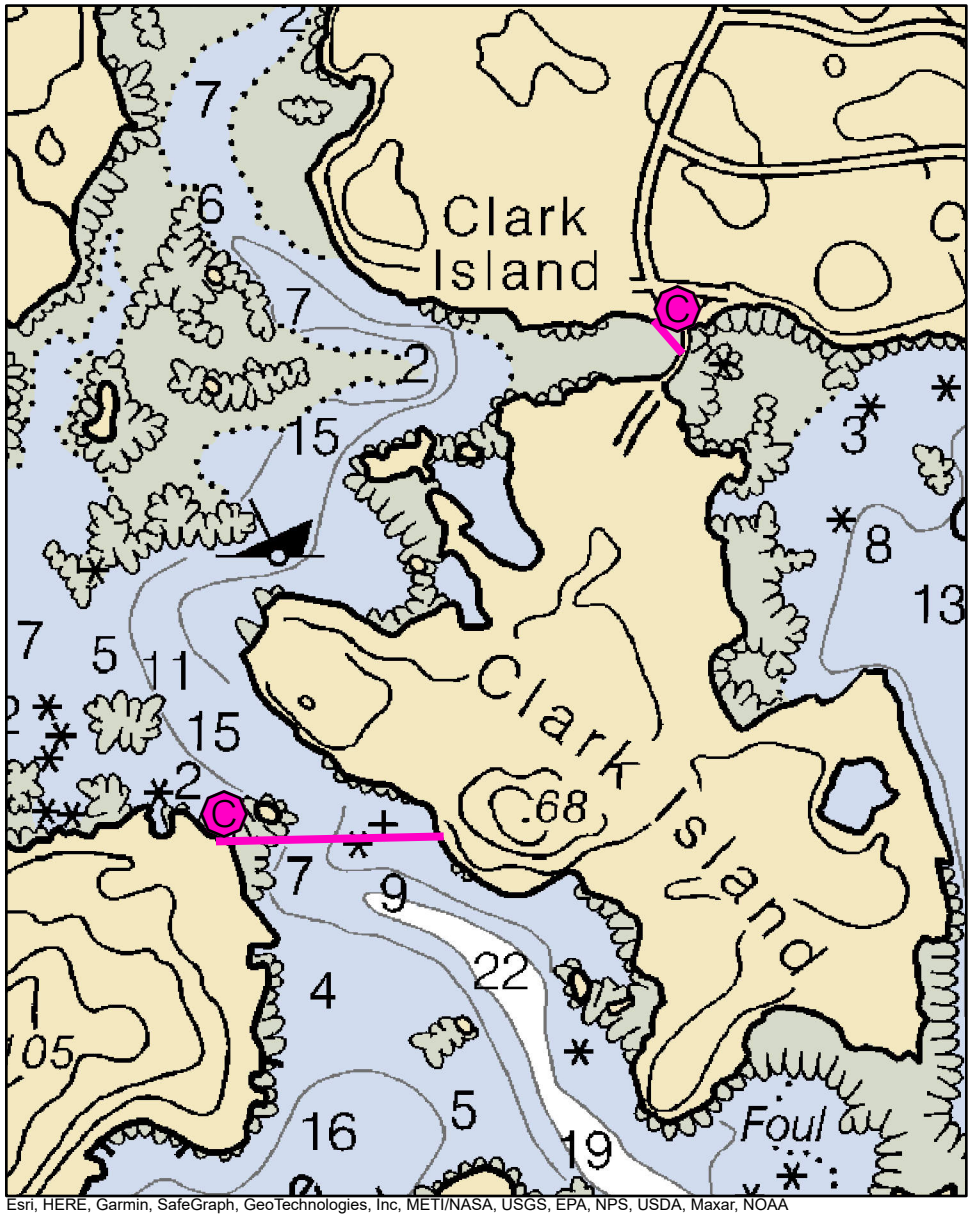
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# C-07-1 St. George: Long Cove

**Town** Saint George
**Latitude** 43° 58.907' N **Longitude** 69° 11.301' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** 2 knots **Ebb**
**Source** Estimated

**Port Region** Penobscot Bay
**NOAA Chart #** 13301_1
**ESI Map #** 37D, 37C
**EVI Map #** 36
**DeLorme Map # (2019)** 8 B2

## Resources At Risk

**ESI Primary Shoreline Type** Vegetated low banks (9B)
**ESI Secondary Shoreline Type** Mixed sand and gravel beaches (5)

**Environmental Concerns** Shellfish beds, shorebird habitat, sheltered tidal flats, marine worm habitat in Long Cove

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To divert oil from Long Cove

**Staging Areas** Tenants Harbor boat ramp, Commercial Street, Tenants Harbor

**Site Access** Tenants Harbor boat ramp or possibly from vicinity of 5 Third Street, St. George (for causeway). Local knowledge advised.

**Nearest Boat Ramp** Tenants Harbor boat ramp, Commercial Street, Tenants Harbor

**Collection Points** From lower end of Seavey Creek: dock area at vicinity of 128 States Point Road, Saint George or for causeway from vicinity of 307 Clark Island Rd., St. George.

**Special Instructions** Local knowledge advised

**Work Assignment** Deploy 1,200 feet of containment boom from Clark Island toward dock at lower side of Seavey Cove.
Deploy 200 feet of containment boom at Clark Island causeway, Clark Island Road, St. George

## Recommended Equipment / Resources

**Length of Boom (feet)** 1400 **Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

For Clark Island to Seavey Creek:

1 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy
2 - shoreside connection
1 - workboats with minimum 90 hp
1 - boat operators
2 - laborers

For causeway:

1 - vehicle with boom
2 - shoreside connections
1 - vacuum truck or skimmer and storage if needed
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 8/3/2007 **Last Field Test:**

# C-08-1

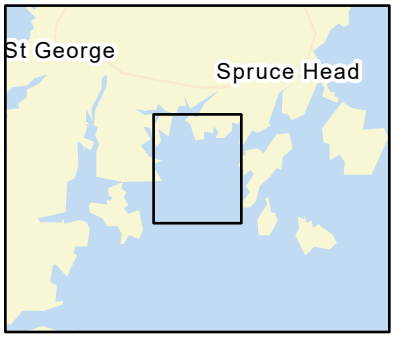
## Saint George: Wheeler Bay

## Saint George, ME

0 1,000 2,000 Feet

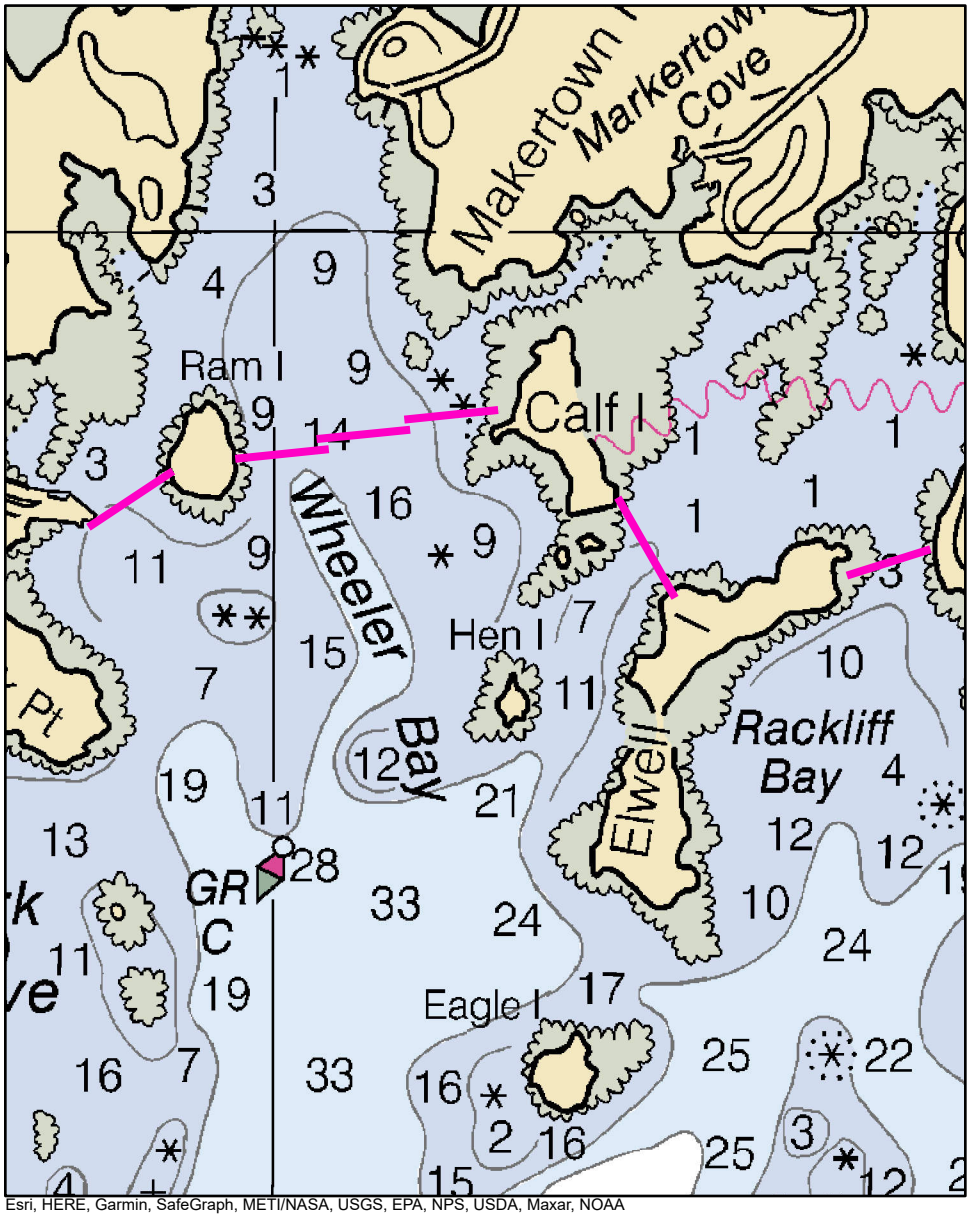
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# C-08-1 St. George: Wheeler Bay

**Town** Saint George
**Latitude** 43° 59.802' N **Longitude** 69° 09.761' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Penobscot Bay
**NOAA Chart #** 13301_1
**ESI Map #** 37C, 37A
**EVI Map #** 36
**DeLorme Map # (2019)** 8 A3

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)
**ESI Secondary Shoreline Type** Mixed sand and gravel beaches (5)

**Environmental Concerns** Sheltered tidal flats, shorebird areas, shellfish beds, eelgrass, marine worm habitat, diadromous fish in Wheeler Bay

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To exclude oil from Wheeler Bay

**Staging Areas** Weskeag River boat launch, Dublin Road (Rte. 73), South Thomaston

**Site Access** Weskeag River boat launch, Dublin Road (Rte. 73), South Thomaston

**Nearest Boat Ramp** Weskeag River boat launch, Dublin Road (Rte. 73), South Thomaston

**Collection Points** N/A

**Special Instructions** No good access. Resource intensive. Other areas may take precedence.

**Work Assignment**
Deploy 600 feet of boom between Ram Island and Clark Point.
Deploy three 6oo foot sections of boom between Ram Island and Calf Island
Deploy 650 feet of boom between Calf Island and Elwell Island
Deploy 500 feet of boom between Elwell Island and Rackliff Island

## Recommended Equipment / Resources

**Length of Boom (feet)** 3550
**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy
8 - shoreside connections
2-4 - workboats with minimum 90 hp
2-4 - boat operators
6-8 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** **Last Field Test:**

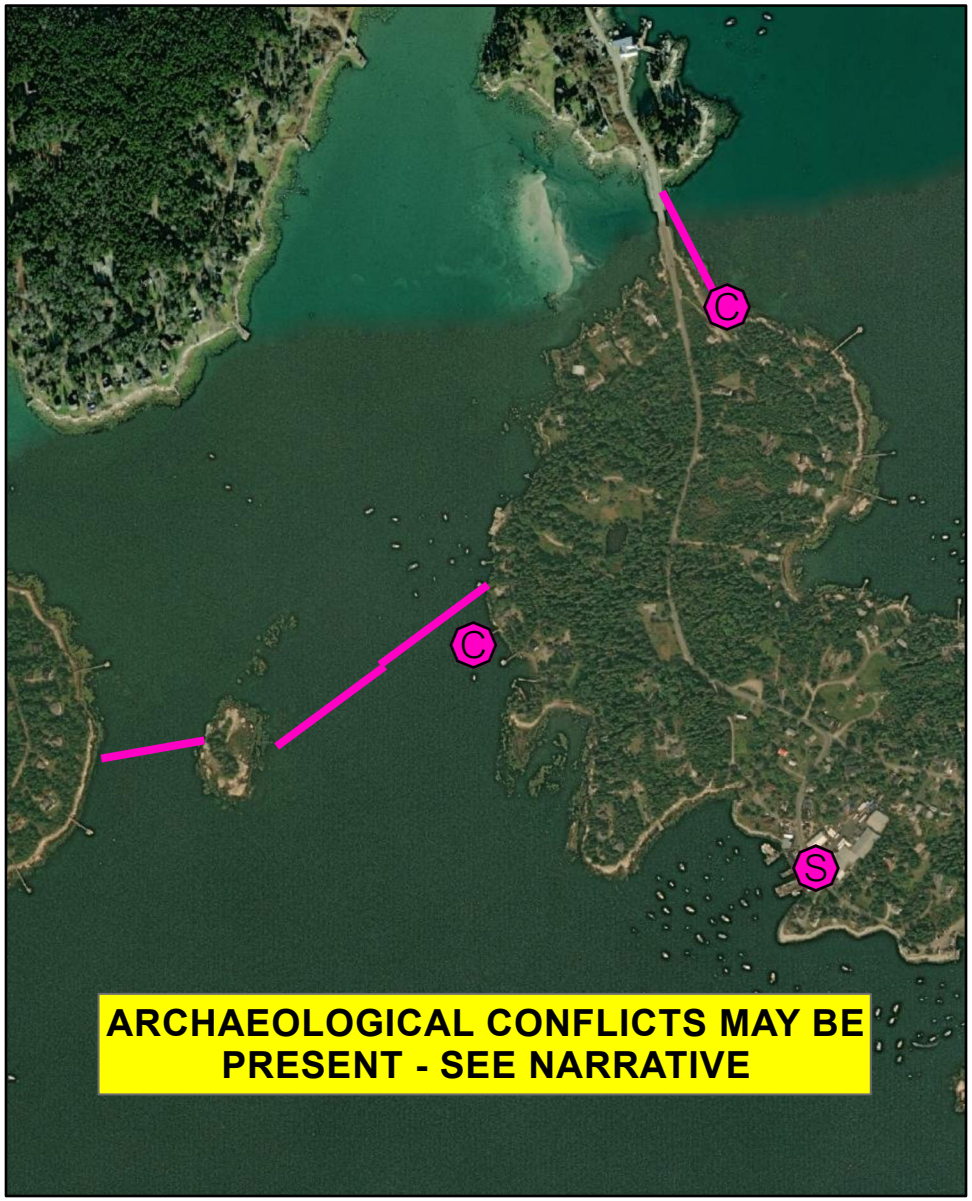
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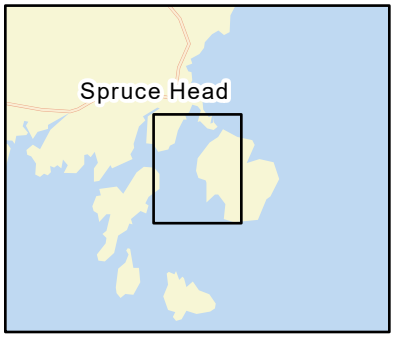
## Spruce Head / Seal Harbor

## Saint George / South Thomaston, ME

0 1,000 2,000 Feet

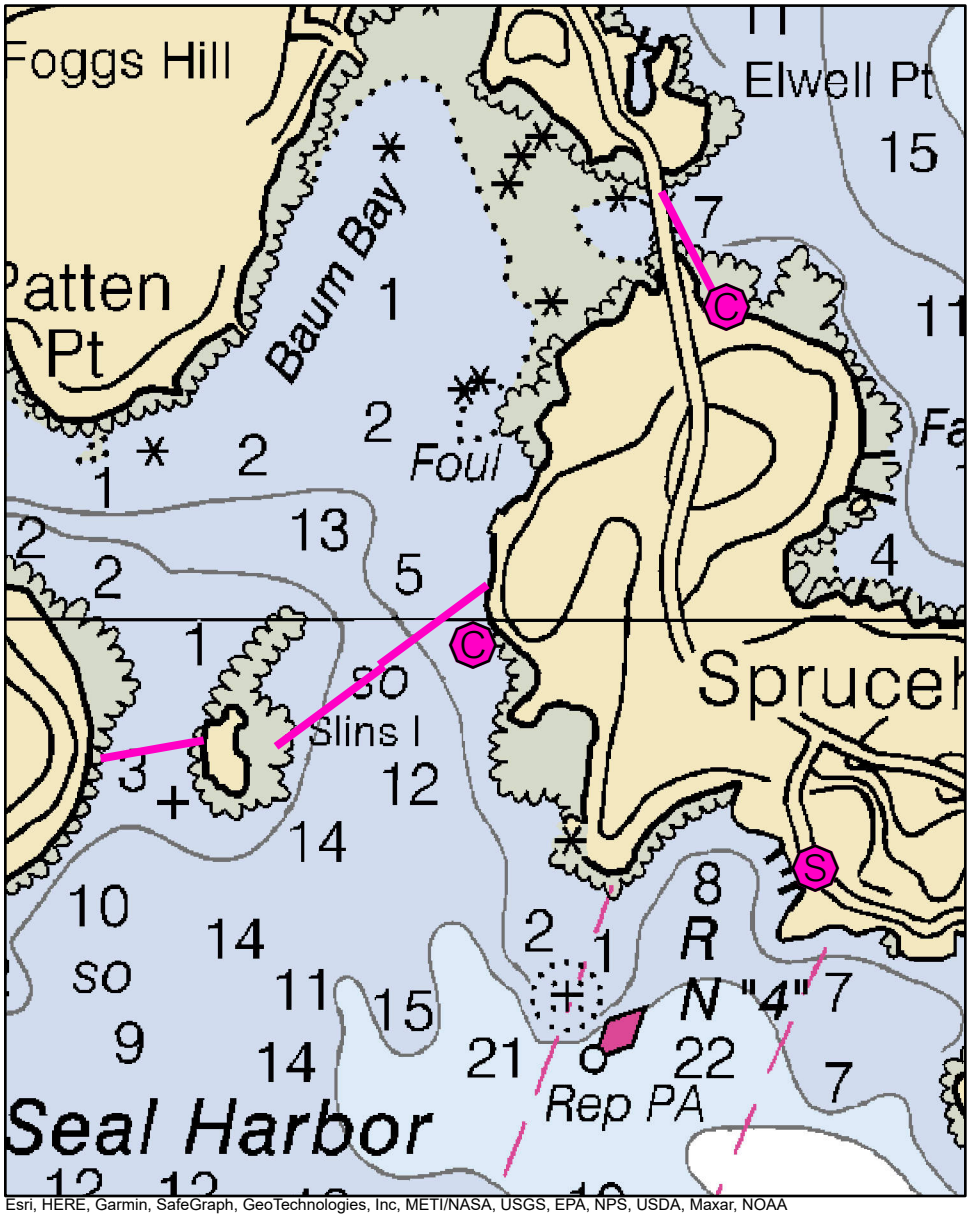
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# C-09-1 Spruce Head / Seal Harbor

**Town** Saint George / South Thomaston
**Latitude** 43° 59.954 N **Longitude** 69° 7.793 W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Penobscot Bay
**NOAA Chart #** 13305_1
**ESI Map #** 37A, 37C
**EVI Map #** 36
**DeLorme Map # (2019)** 8 A3

## Resources At Risk

**ESI Primary Shoreline Type** Exposed rocky shores (1A)
**ESI Secondary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)

**Environmental Concerns** Sheltered tidal flats, marine worm, shorebird and shellfish habitat in Baum Bay and Mill Cove. Numerous seabird nesting islands in vicinity.

**Archaeological Conflicts** Maintain causeway boom strategy within road disturbances or anchor to boulders. Water collection or vac truck from roadway. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To exclude / divert oil from inner harbor

**Staging Areas** Atwood Lobster Co. parking lot, 286 Island Road, South Thomaston

**Site Access** From Atwood Lobster Co. or Weskeag River boat launch, Dublin Road (Rte. 73), South Thomaston

**Nearest Boat Ramp** Weskeag River boat launch, Dublin Road (Rte. 73), South Thomaston

**Collection Points** Spruce Head Fisherman's Co-op Float or open water recovery.

**Special Instructions** Shallow water conditions. Resource intensive.

**Work Assignment** Deploy one 600 foot length and two 650 foot lengths of boom between Sprucehead Island and Rackliff Island. Deploy 500 feet of boom at Island Road causeway to Sprucehead Island in South Thomaston.

## Recommended Equipment / Resources

**Length of Boom (feet)** 2400 **Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
2 - 3 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines with buoys
6 - shoreside connections
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 7/3/2007 **Last Field Test:**

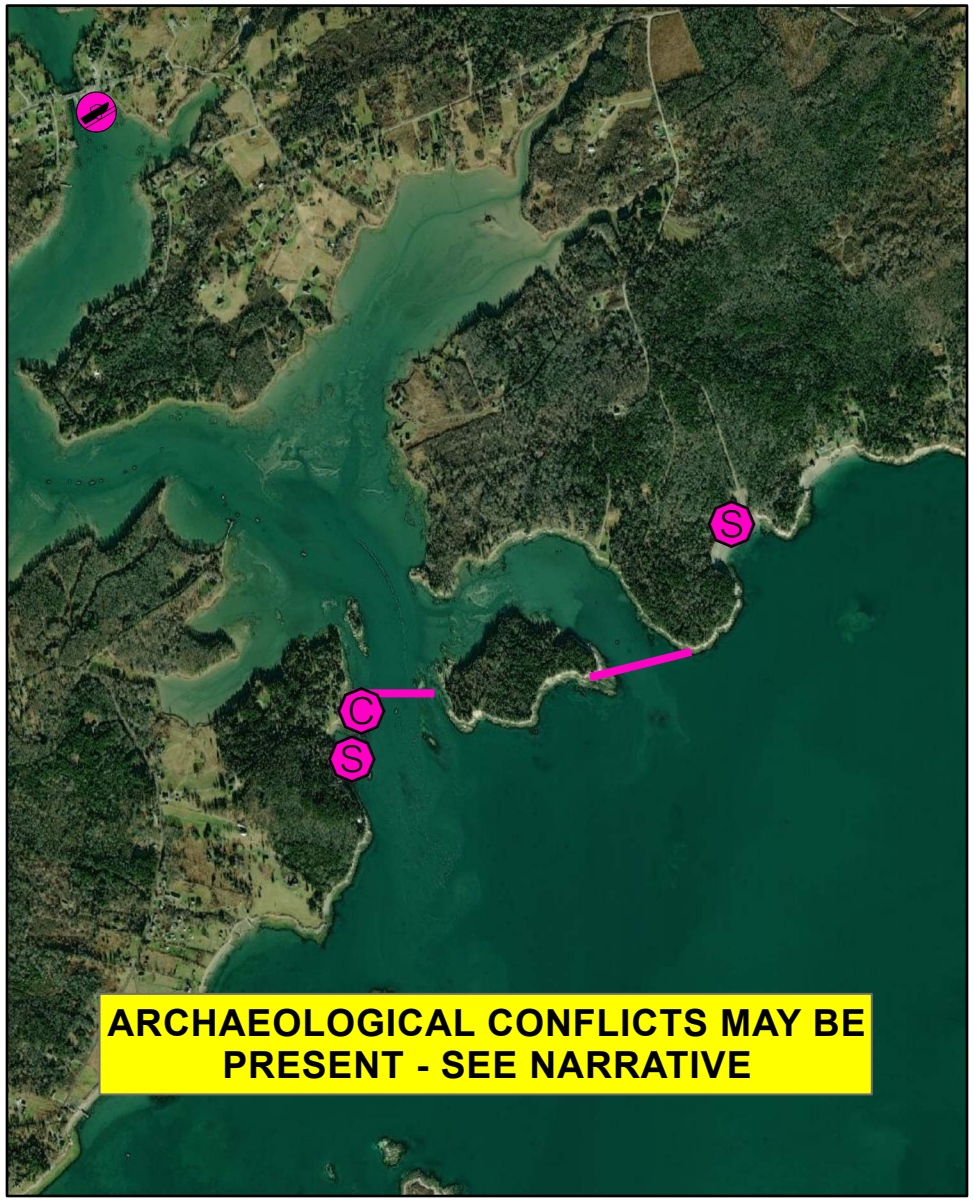
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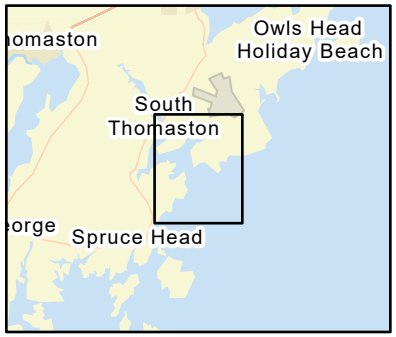
## Weskeag River / Ballyhac Cove

## South Thomaston / Owls Head, ME

0 2,500 5,000 Feet

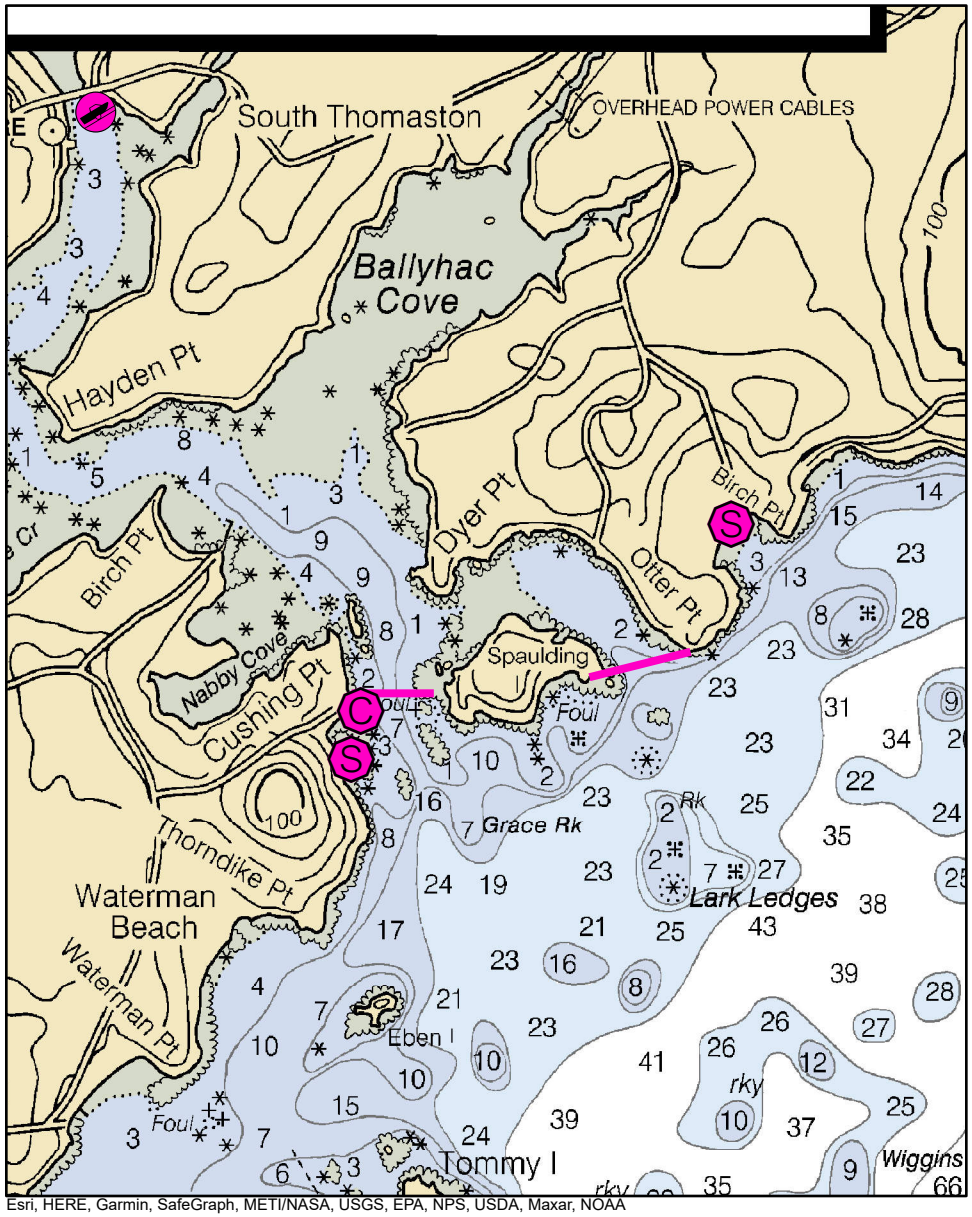
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# C-10-1 Weskeag River / Ballyhac Cove

**Town** South Thomaston / Owls Head
**Latitude** 44° 01.931' N **Longitude** 69° 06.706' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Penobscot Bay
**NOAA Chart #** 13305_1
**ESI Map #** 37A
**EVI Map #** 36
**DeLorme Map # (2019)** 8 A3

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Extensive resources in Weskeag River and cove: Sheltered tidal flats, shorebird habitat, eelgrass, shellfish beds, diadromous fish, salt marsh, aquaculture

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To exclude / divert oil from Weskeag River and Ballyhac Cove.

**Staging Areas** Birch Point State Park Beach, 459 S Shore Dr, Owls Head, ME 04854; boom can be spooled onto beach to aide in deployment. Potential staging area is located at private landing and field at Cushing Point; permission needed to access this area.

**Site Access** Weskeag River boat launch, Dublin Road (Rte. 73), South Thomaston.

**Nearest Boat Ramp** Weskeag River boat launch, Dublin Road (Rte. 73), South Thomaston. Launch is not all tide.

**Collection Points** Possibly from private landing at Cushing Point.

**Special Instructions** Weskeag River referred to locally as "Keag River". Traffic at the South Thomaston boat ramp can make access difficult.

**Work Assignment** Deploy 1000 feet of boom between Cushing Point and Spaulding Island. Deploy 1000 feet of boom between Spaulding Island and Otter Point.

## Recommended Equipment / Resources

**Length of Boom (feet)** 2000
**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy
4 - shoreside connections
1 - skimmer and storage
2 - workboats with minimum 90 hp; preferably 2 flatbottom boats or 1 v-bottom and 1 flatbottom boat
2-- boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 7/3/2007 **Last Field Test:** 9/22/2021

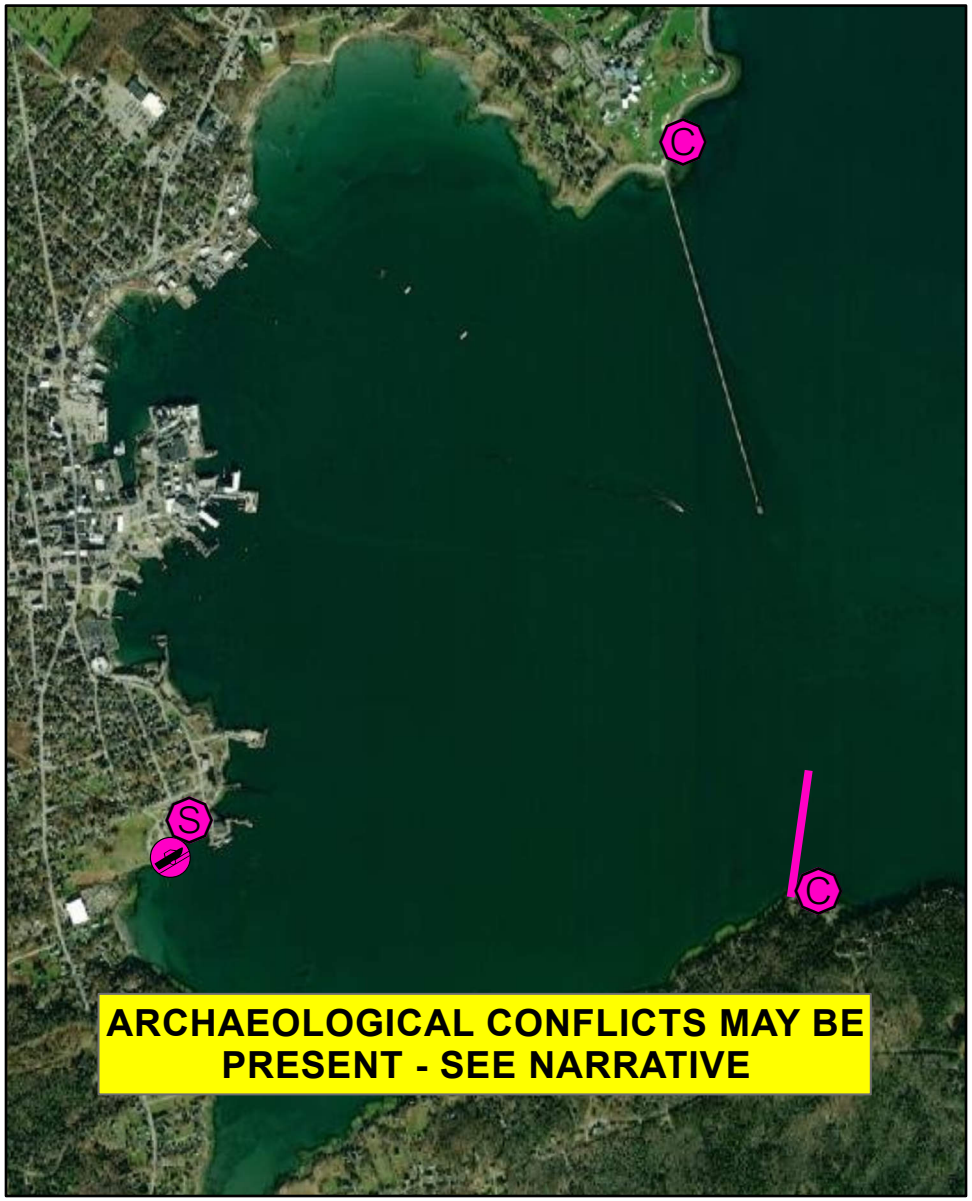
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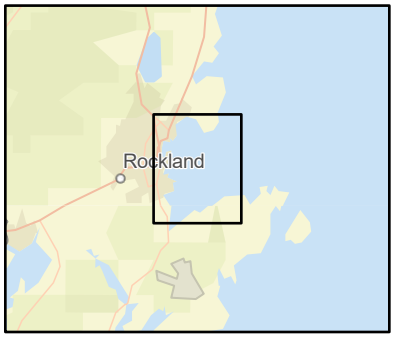
## Rockland Harbor

## Rockland / Owls Head, ME

0 2,500 5,000 Feet

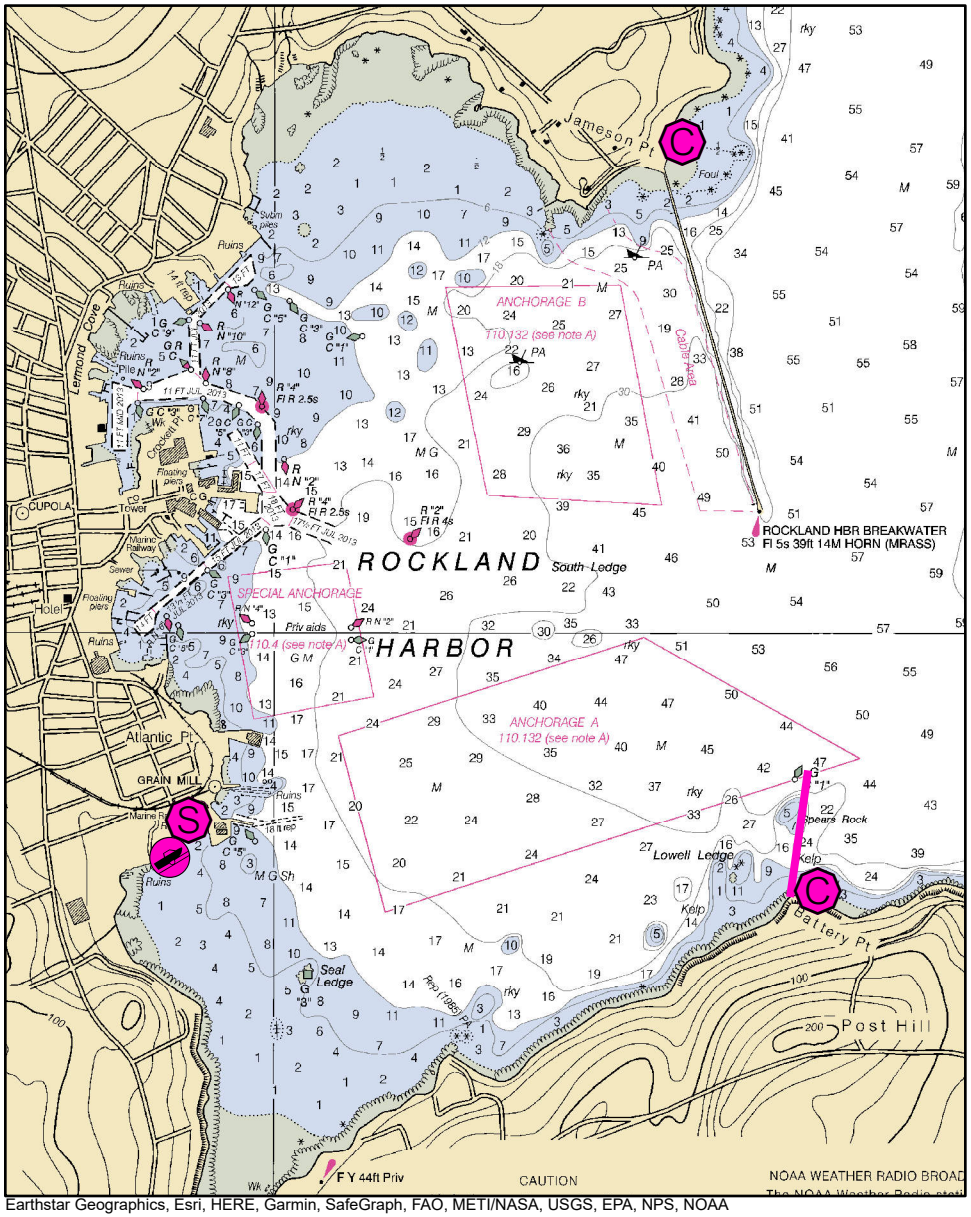
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Earthstar Geographics, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NOAA

# C-11-1 Rockland Harbor

**Town** Owls Head
**Latitude** 44° 5.804 N **Longitude** 69° 4.883 W
**Approx. Tidal Range (feet)** 11
**Max Current (knots)** **Flood** 1 - 2 knots **Ebb**
**Source** estimated

**Port Region** Penobscot Bay
**NOAA Chart #** 13307_1
**ESI Map #** 30B, 37A
**EVI Map #** 43, 42, 37, 36
**DeLorme Map # (2019)** 14 E3, E4

## Resources At Risk

**ESI Primary Shoreline Type** Mixed sand and gravel beaches (5)
**ESI Secondary Shoreline Type** Coarse grained sand beach (4)

**Environmental Concerns** Primarily maritime assets in harbor itself.

**Archaeological Conflicts** Battery Point - utilize boulders for anchoring or anchor in developed shoreline areas. Jameson Point - minimize surface disturbances outside of golf course, breakwater, and trails. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert oil from Rockland Harbor. Area needs more study.

**Staging Areas** Coast Guard Pier, South End Boat Ramp and Public Boat Ramp at Harbor Park, South Main Street, Rockland

**Site Access** From staging area or possibly Samoset Resort Golf Course, 220 Warrenton Street Rockport and gravel beach at Battery Point from residences at end of Dynamite Beach Road or Weeks Road in Owl's Head

**Nearest Boat Ramp** Coast Guard Pier, South End Boat Ramp and Public Boat Ramp at Harbor Park, South Main Street, Rockland

**Collection Points** Samoset Resort Golf Course, 220 Warrenton Street Rockport and gravel beach at Battery Point from residences at end of Dynamite Beach Road or Weeks Road in Owl's Head

**Special Instructions**

**Work Assignment** Deploy 1,500 feet of boom from Battery Point to vicinity of Spears Rock and Green Can #1. Close off as much of opening as possible if assets are available.

## Recommended Equipment / Resources

**Length of Boom (feet)** 4800
**Type of Boom** Harbor and open water

**Recommended Equipment (Minimum)**
1 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy
1 - shoreside connection
2 - skimmers and storage
2 - workboats with minimum 90 hp
2 - boat operators
4- laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 7/3/2007 **Last Field Test:**

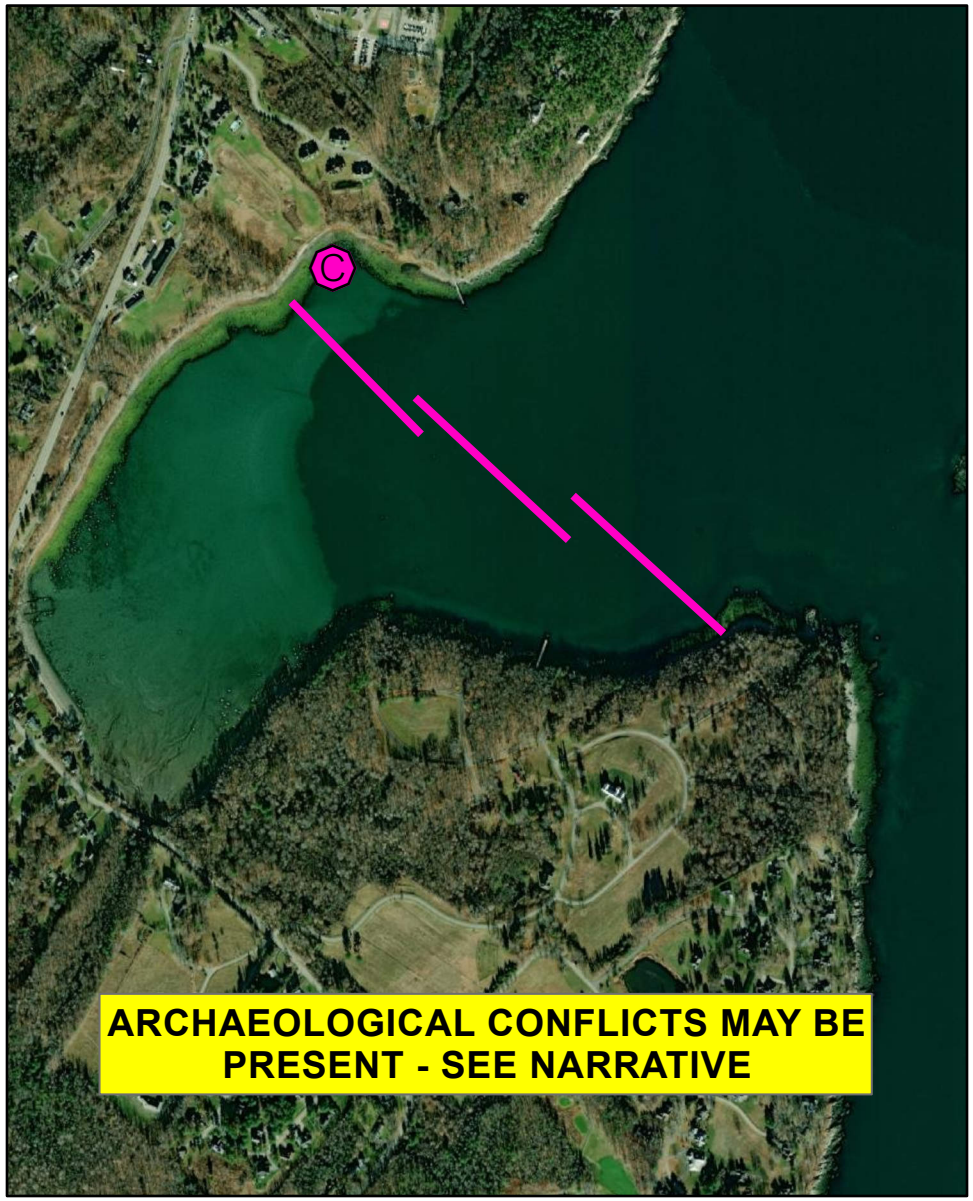
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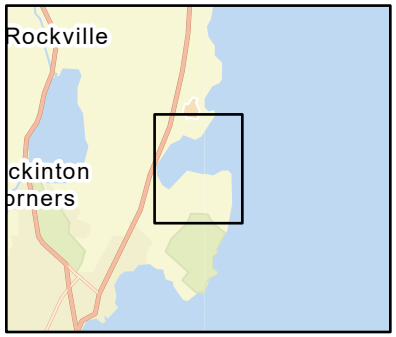
## Clam Cove, Rockport

## Rockport, ME

0 1,000 2,000 Feet

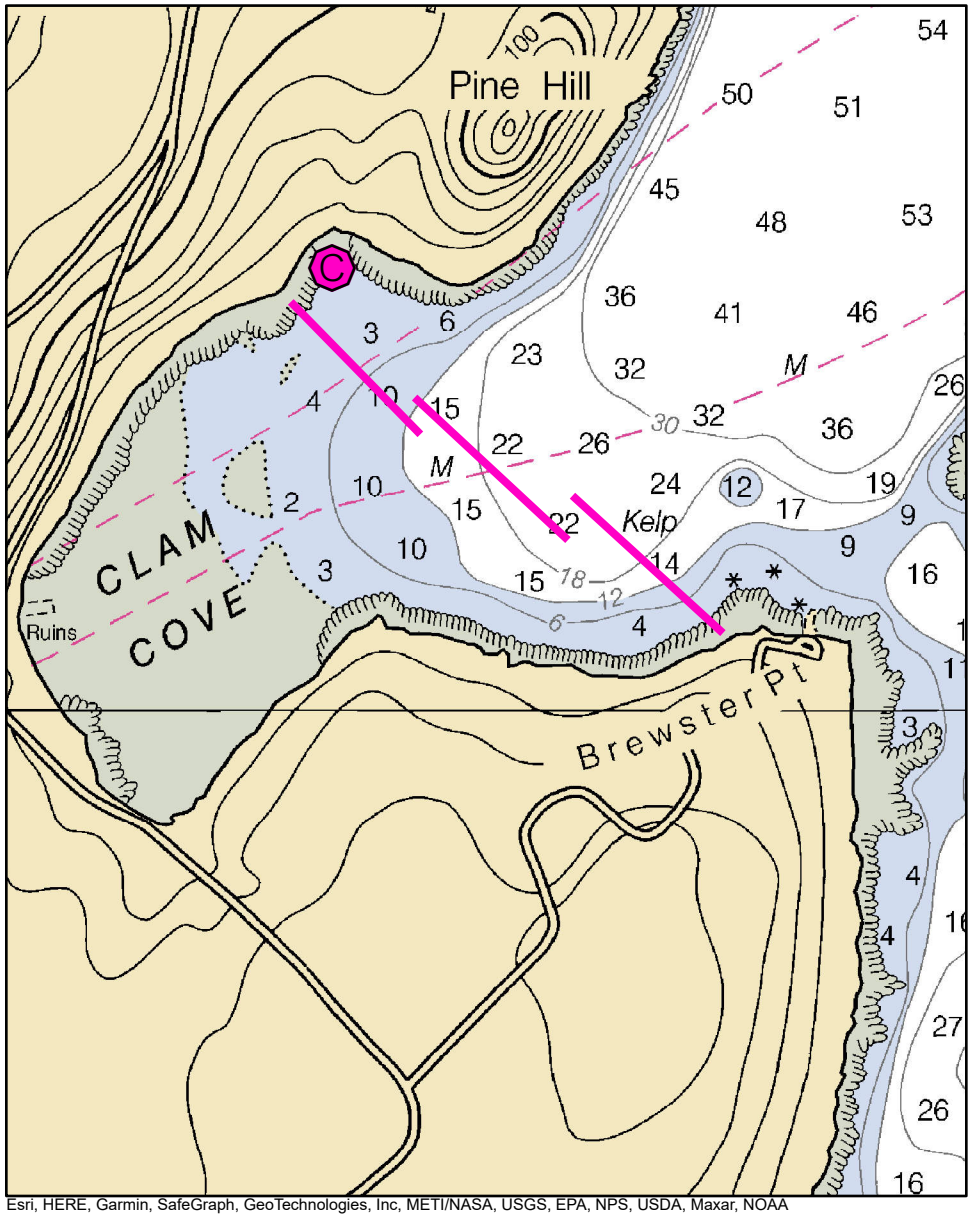
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# C-12-1 Clam Cove, Rockport

**Town** Rockport
**Latitude** 44° 8.24' N **Longitude** 69° 5.038' W
**Approx. Tidal Range (feet)** 11
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Penobscot Bay
**NOAA Chart #** 13307_1
**ESI Map #** 30B
**EVI Map #** 43, 42
**DeLorme Map # (2019)** 14 E3

## Resources At Risk

**ESI Primary Shoreline Type** Mixed sand and gravel beaches (5)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Shellfish bed, eelgrass and marine worm habitat. Relatively low sensitivity.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert oil from Clam Cove

**Staging Areas** Possibly from Ledges by the Bay Hotel, 930 Commercial Street, Rockport

**Site Access** Ledges by the Bay Hotel, 930 Commercial St., Rockport or by water from Rockland or Rockport

**Nearest Boat Ramp** Rockland public boat ramp, South Main Street, Rockland or Rockport boat launch at Rockport Marine Park, Pascal Avenue, Rockport

**Collection Points** Possibly Ledges by the Bay Hotel, 930 Commercial Street, Rockport

**Special Instructions** Requires a lot of boom for limited sensitivity. Other areas may take precedence.

**Work Assignment** Use three lengths of 1,000 feet of boom to protect cove.

## Recommended Equipment / Resources

**Length of Boom (feet)** 3000 **Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines with buoys
2 - shoreside connection
1 - skimmers and storage
2 - workboats with minimum 90 hp
2 - boat operators
4- laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 9/15/2009 **Last Field Test:**

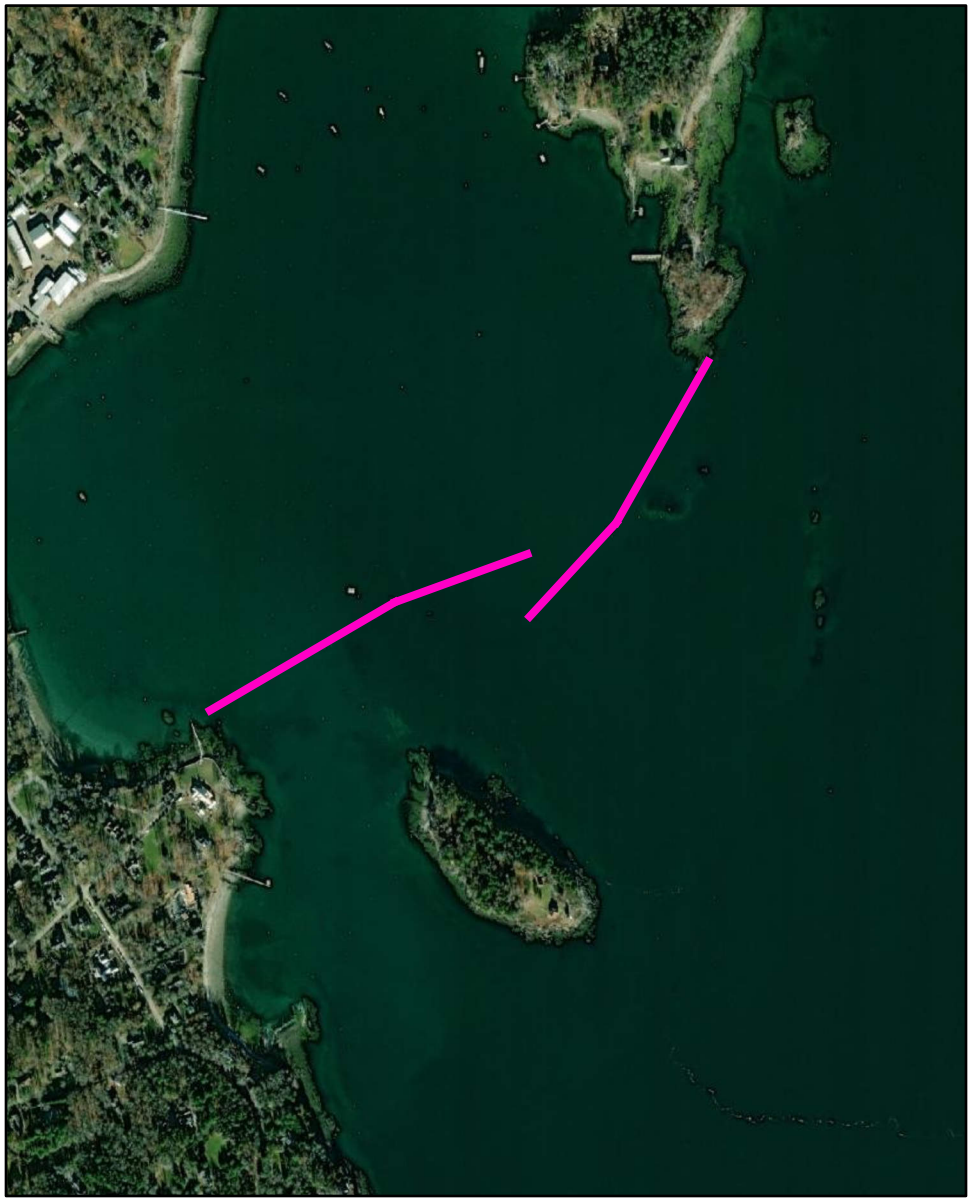
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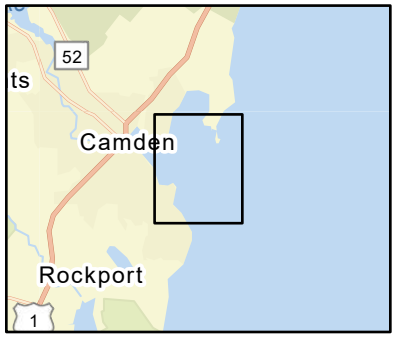
## Camden Harbor

## Camden, ME

0 1,000 2,000 Feet

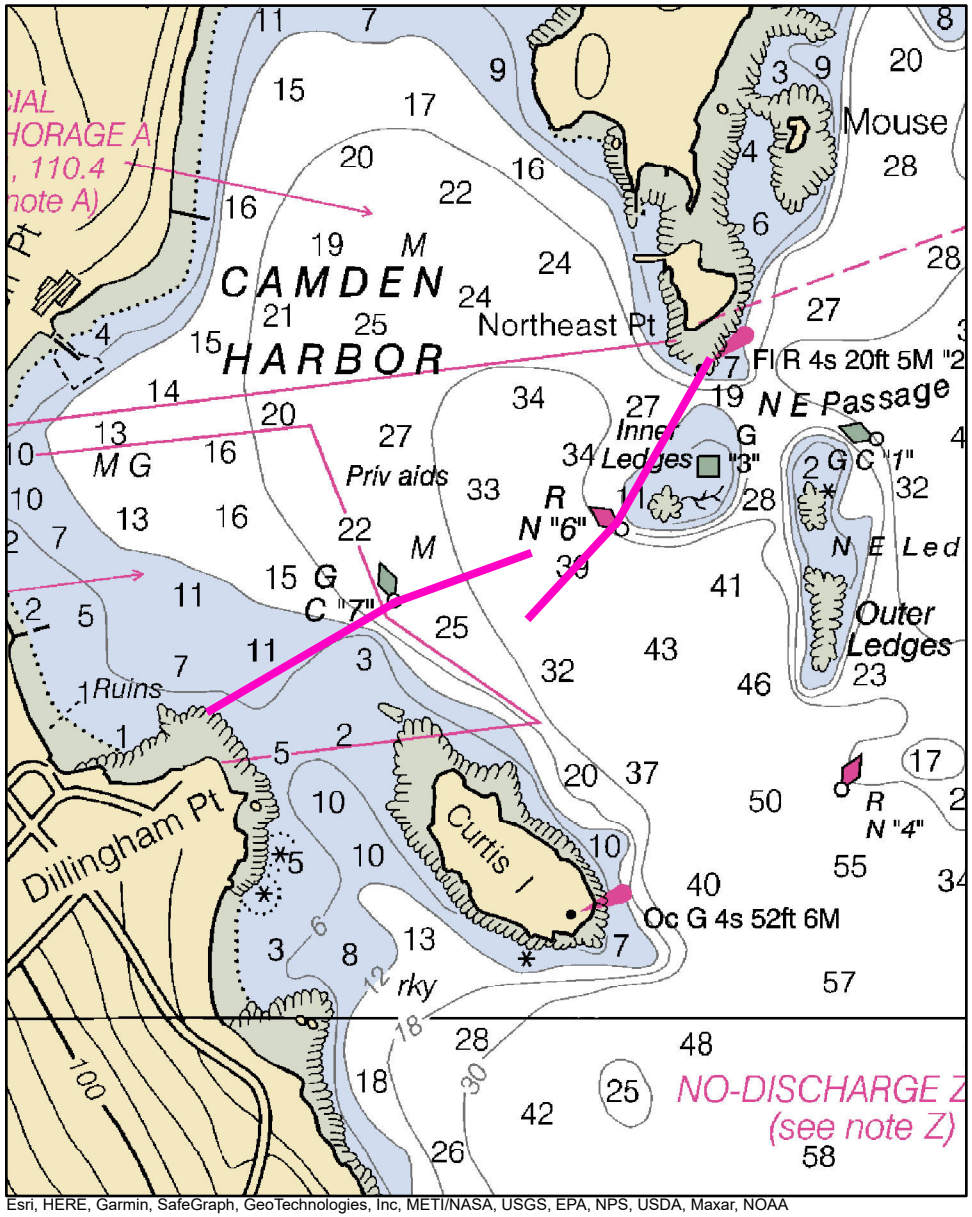
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# C-13-1 Camden Harbor

**Town** Camden
**Latitude** 44° 12.389' N **Longitude** 69° 02.957' W
**Approx. Tidal Range (feet)** 11
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Penobscot Bay
**NOAA Chart #** 13307_1
**ESI Map #** 29B, 30A, 29D, 30B
**EVI Map #** 43
**DeLorme Map # (2019)** 14 D4

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Primary concern is maritime interests in harbor

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To exclude oil from Camden Harbor

**Staging Areas** Steamboat Landing boat ramp, Steamboat Landing Road, Camden

**Site Access** Steamboat Landing boat ramp, Steamboat Landing Road, Camden

**Nearest Boat Ramp** Steamboat Landing boat ramp, Steamboat Landing Road, Camden

**Collection Points** N/A

**Special Instructions** For catastrophic spill. Smaller spills should be looked at on case by case basis.

**Work Assignment** Deploy 1000 feet of boom from Dellingham Point to vicinity of Green Can "7". Deploy two 600 foot sections of boom between Green Can "7" and Red Nun "6", leaving room for boat passage. Deploy 1000 feet of boom from vicinity of Red Nun "6" to Flashing Red Buoy near Northeast Point.

## Recommended Equipment / Resources

**Length of Boom (feet)** 3200 **Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
6 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy
2 - workboats with minimum 90 hp
2 - boat operators
4 - 6- laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 9/15/2009 **Last Field Test:**

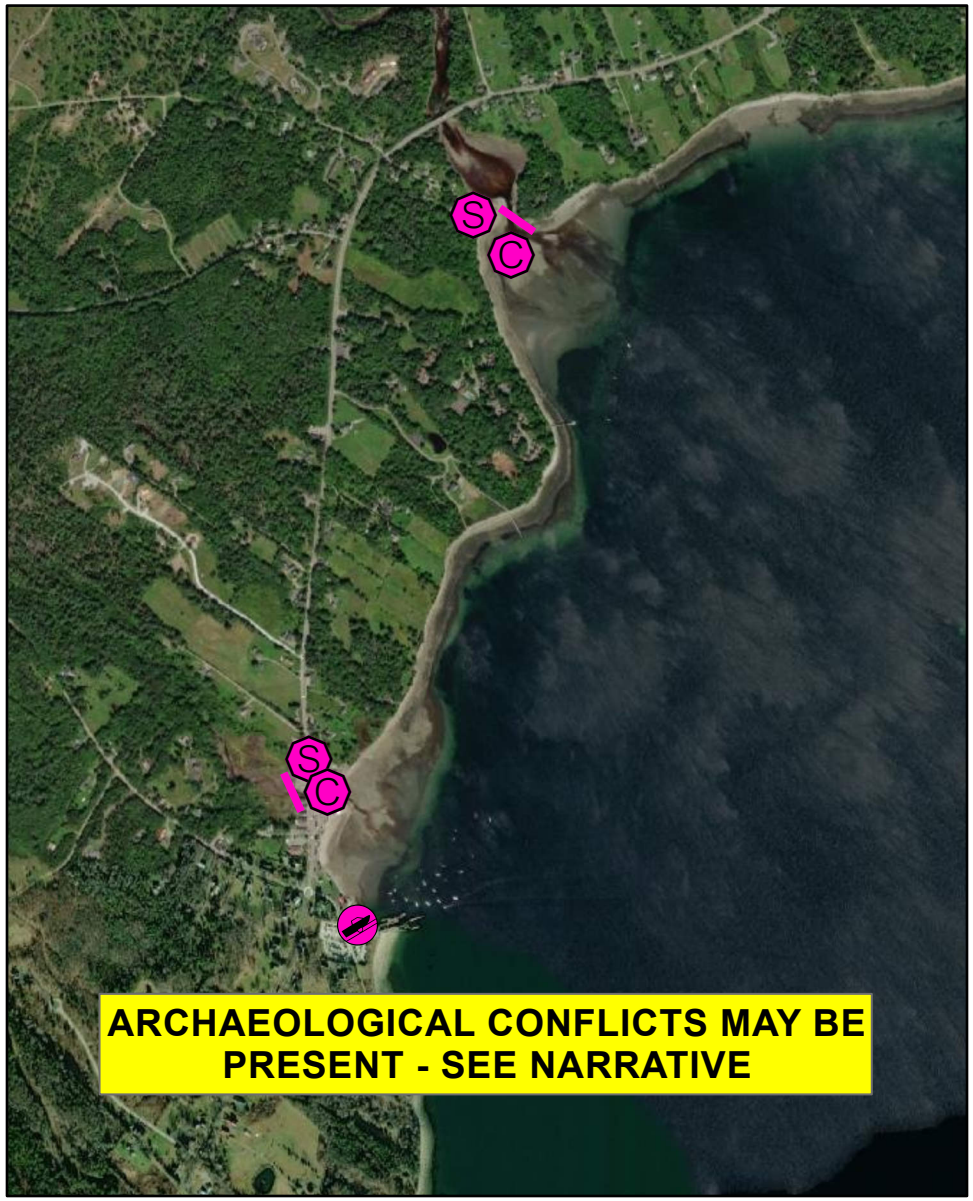
# C-14-1

## Ducktrap Harbor

## Lincolnville, ME

0 1,000 2,000 Feet

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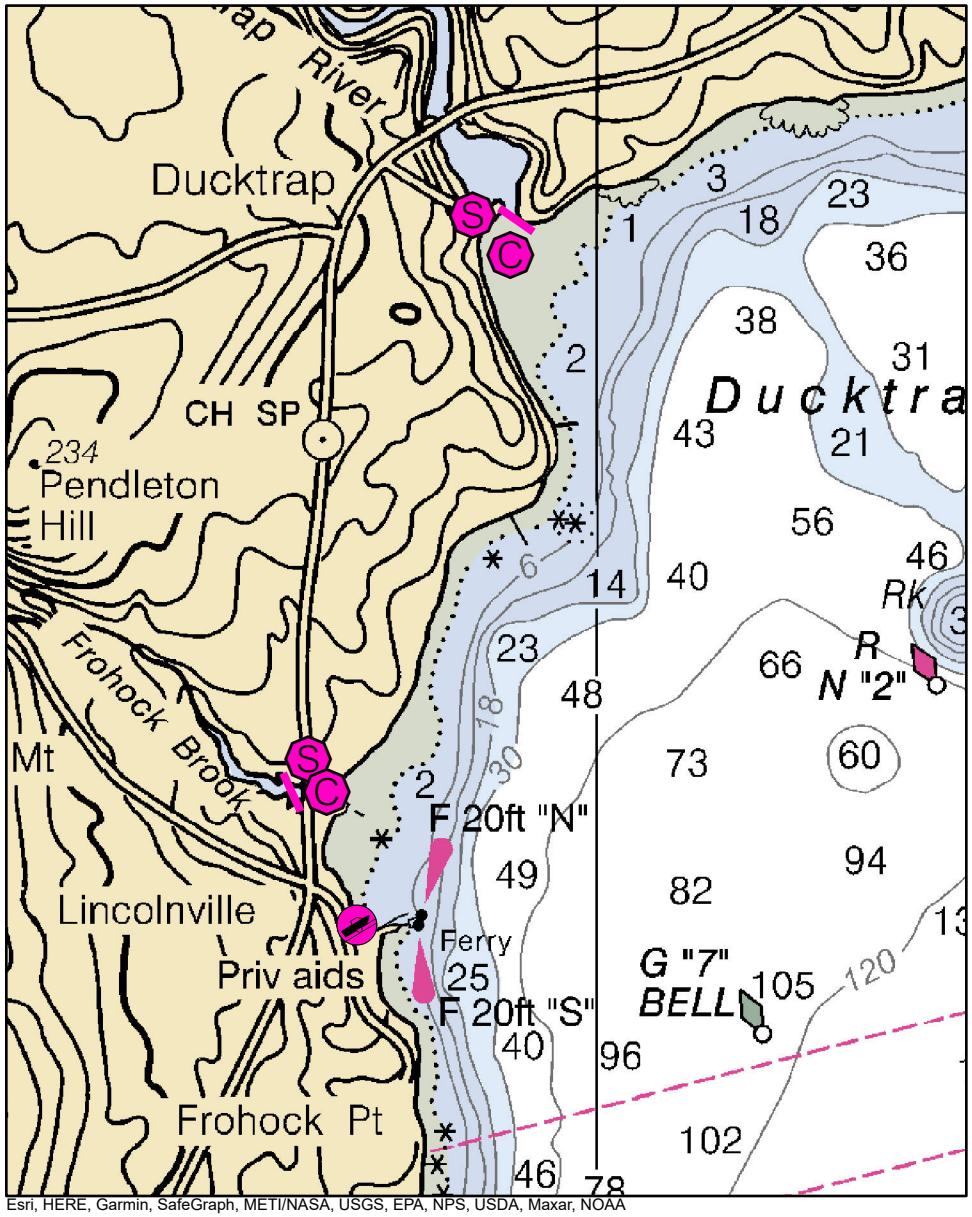






**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# C-14-1 Ducktrap Harbor

**Town** Lincolnville
**Latitude** 44° 17.625 N **Longitude** 69° 17.625 W
**Approx. Tidal Range (feet)** 11
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Penobscot Bay
**NOAA Chart #** 13309_1
**ESI Map #** 29B, 24C
**EVI Map #** 47
**DeLorme Map # (2019)** 14 C4, C5

## Resources At Risk

**ESI Primary Shoreline Type** Mixed sand and gravel beaches (5)
**ESI Secondary Shoreline Type** Salt- and brackish-water marshes (10A)

**Environmental Concerns** Ducktrap River is designated habitat for endangered Atlantic Salmon. Contact U.S. Fish and Wildlife. Eelgrass, elver and diadromous fish runs in Ducktrap River. Diadromous fish run and salt marsh at Frohock Brook.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert oil from upper Ducktrap River and Frohock Brook

**Staging Areas** Restaurant parking lots adjacent to Frohock Brook on Route 1, parking area at end of Howe Point Road

**Site Access** From Route 1 in Lincolnville.

**Nearest Boat Ramp** Access is by road, but nearest is Lincolnville boat ramp, Route 1, Lincolnville

**Collection Points** Adjacent parking areas.

**Special Instructions**

**Work Assignment** Frohock Brook: Use 150 feet of boom to close off Frohock Brook on inland side of Route 1. Collect at adjacent restaurant parking lot. Ducktrap Harbor: Use 250 feet of harbor boom across Ducktrap River at Howe Point. Collect from parking area at end of Howe Point Rd.

## Recommended Equipment / Resources

**Length of Boom (feet)** 400
**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
1 - vehicle with boom
4 - shoreside connections
2 - skimmers with storage
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/13/2020 **Last Field Visit** 7/14/2011 **Last Field Test:**

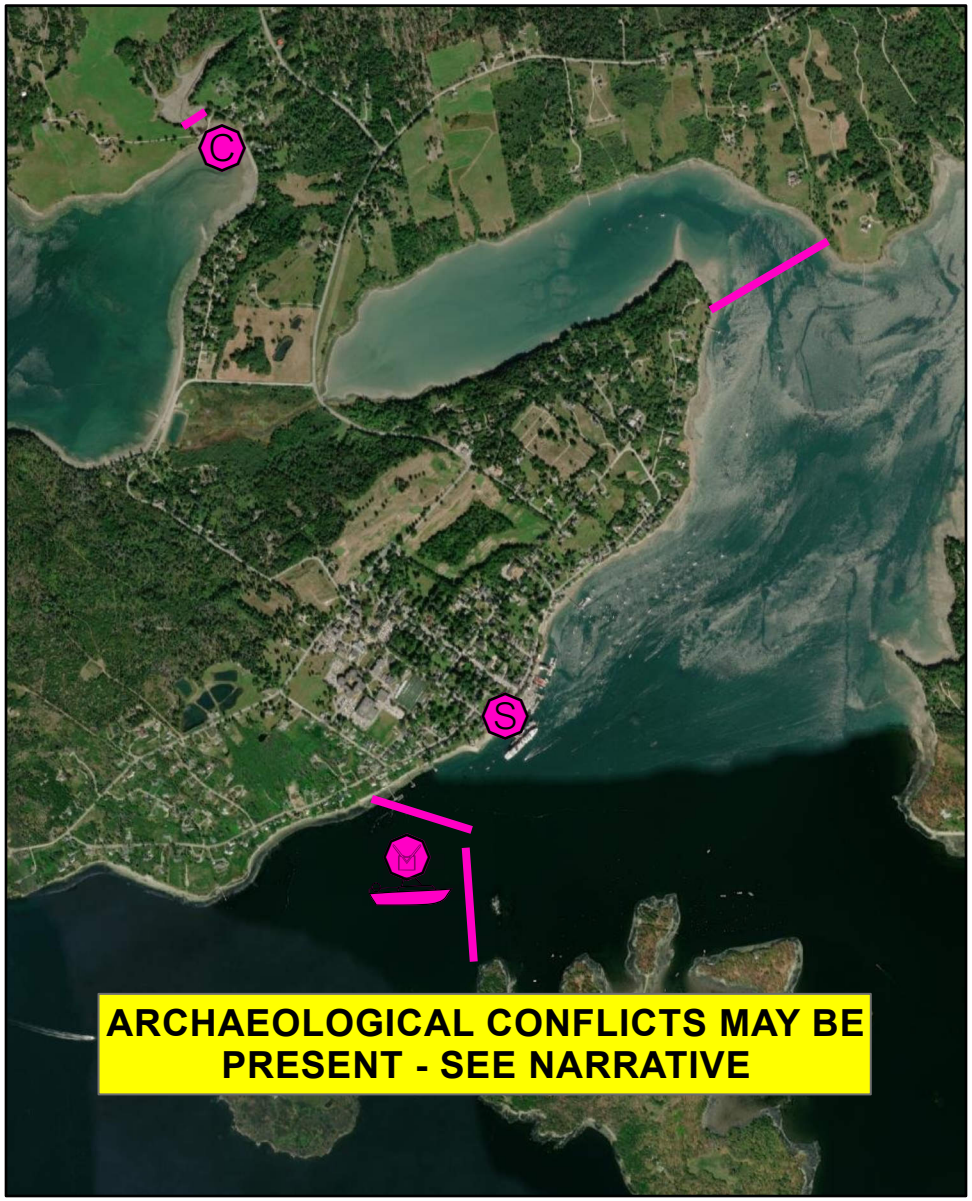
# C-15-1

## Castine Harbor / Wadsworth & Hatch Coves

## Castine, ME

0 2,500 5,000 Feet

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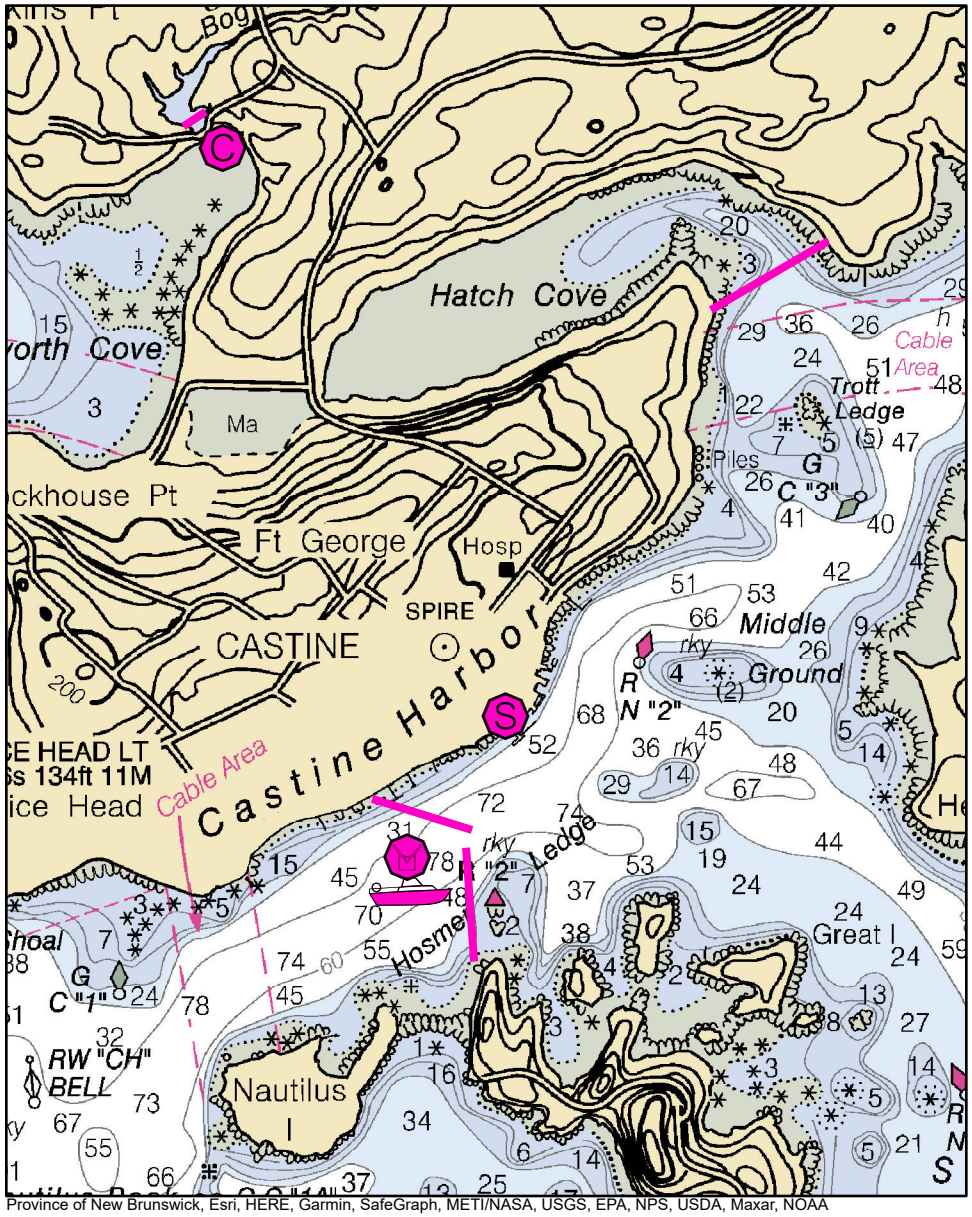






**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Province of New Brunswick, Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# C-15-1 Castine Harbor / Wadsworth & Hatch Coves

**Town** Castine
**Latitude** 44° 24.464' N **Longitude** 68° 47.275' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** 1.9 **Ebb**
**Source** NOAA estimate

**Port Region** Penobscot Bay
**NOAA Chart #** 13309_1
**ESI Map #** 23C, 23D, 23B, 23A
**EVI Map #** 58, 65, 48, 64
**DeLorme Map # (2019)** 15 B2

## Resources At Risk

**ESI Primary Shoreline Type** Mixed sand and gravel beaches (5)
**ESI Secondary Shoreline Type** Coarse grained sand beach (4)

**Environmental Concerns** Castine harbor, islands and upper Bagaduce River have bald eagle nesting areas, seal haul-outs, shellfish beds and marine worm habitat. Area is a designated Focus Area by Maine Natural Areas Program. Wadsworth Cove: Salt marsh at upper end. Eelgrass, shellfish beds and shorebird habitat. Hatch Cove: Shellfish beds, marine worm and shorebird habitat.

**Archaeological Conflicts** Castine - maintain shore anchors in developed areas or utilize boulder anchors, avoid other disturbances. Hatch Cove/Mayo Pt. - old breastwork presents underwater hazard at high tide; visible at low. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** Primary strategy is to prevent oil from entering upper Bagaduce River. Secondary strategies exclude oil from Hatch Cove and divert oil in Wadsworth Cove

**Staging Areas** Castine Town Dock or Maine Maritime Academy

**Site Access** Wadsworth Cove: Mill Lane off 166A, Back Shore Rd off 166.

Castine Harbor and Hatch Cove: Castine waterfront

**Nearest Boat Ramp** Castine Town Dock

**Collection Points** Castine Harbor by skimmer. Can collect from Mill Lane site for Wadsworth Cove. No collection for Hatch Cove (exclusion)

**Special Instructions** Current information is for main channel of river. Note cable areas on chart.

**Work Assignment** Castine harbor: designed to use DEP barge and skimming system. Deploy 1,000 feet of harbor boom from Castine mainland to barge deployed in channel. Deploy 1,200 feet of harbor boom from barge to Cape Rosier. Channel depth precludes anchoring in sections, so utilize as much boom as possible in the main part of the channel. Recover oil with skimmer. With maximum flood current, angle of boom to current must be less than 22°. Wadsworth Cove: Seal brook at small wooden bridge on Mill Lane off Rte. 166A using 200 feet of harbor boom.
Hatch Cove: Deploy 1200 feet of containment boom across mouth of cove. Avoid going to far back into cove in order to avoid underwater hazards and shallow flats.

## Recommended Equipment / Resources

**Length of Boom (feet)** 3800 (see notes)
**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
DEP barge Netepenawesit
2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys.
6 - shoreside connections.
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 9/27/2018 **Last Field Visit** 7/14/2011 **Last Field Test:**

# C-16-1

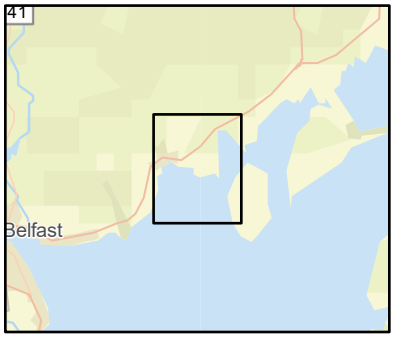
## Mack Point / Long Cove

## Searsport, ME

0 2,500 5,000 Feet

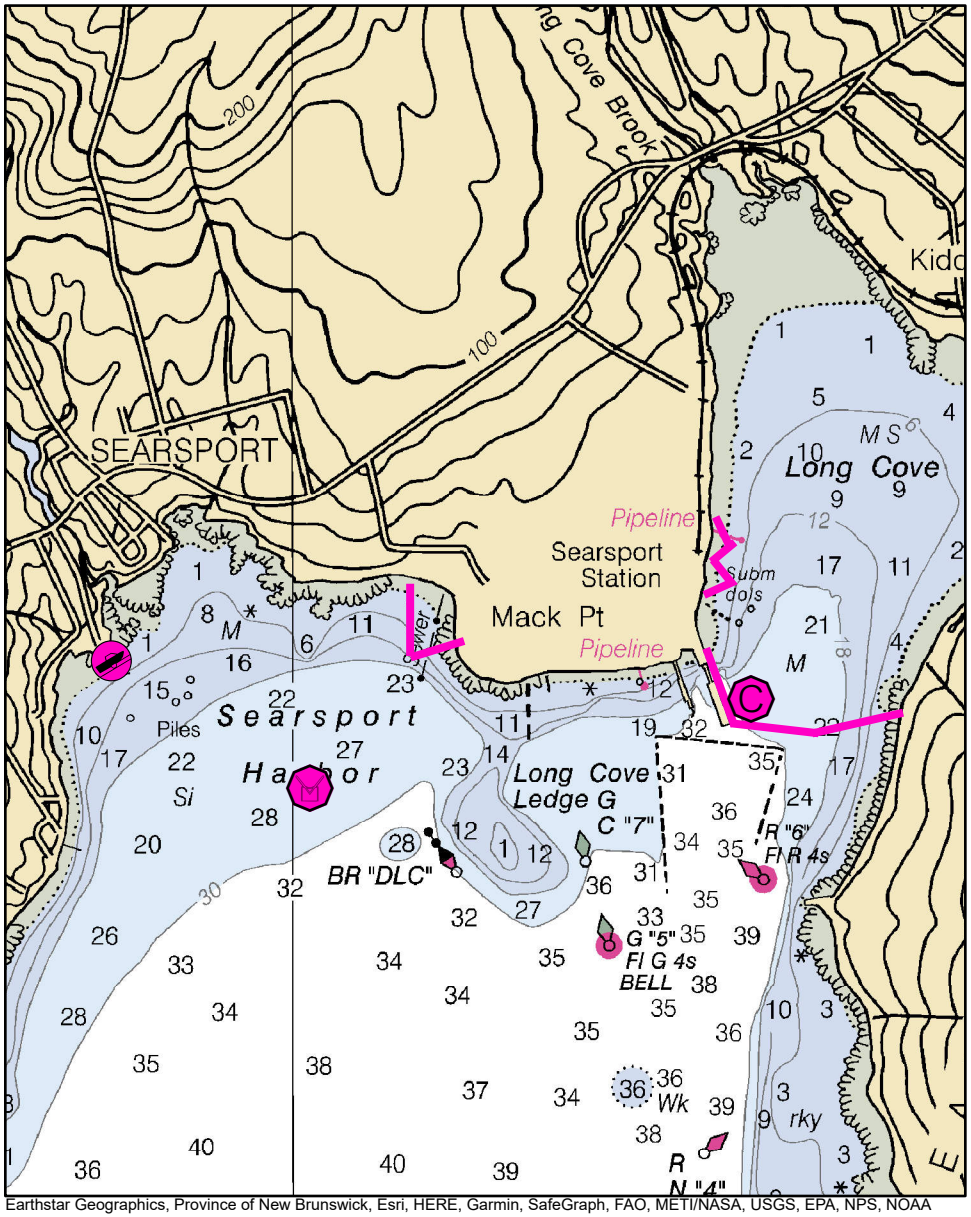
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Earthstar Geographics, Province of New Brunswick, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NOAA

# C-16-1 Mack Point / Long Cove

**Town** Searsport
**Latitude** 44° 27.04' N **Longitude** 68° 53.68' W
**Approx. Tidal Range (feet)** 11
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Penobscot Bay
**NOAA Chart #** 13309_1
**ESI Map #** 23B, 24A
**EVI Map #** 64
**DeLorme Map # (2019)** 15 A1

## Resources At Risk

**ESI Primary Shoreline Type** Mixed sand and gravel beaches (5)
**ESI Secondary Shoreline Type** Exposed, solid man-made structures (1B)

**Environmental Concerns** Large shellfish bed in eastern arm of Penobscot River. Shellfish beds and eelgrass along shore.

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To contain oil in Long Cove or contain oil discharge from storm drains

**Staging Areas** Mack Point Marine Terminal (Sprague/Irving)

**Site Access** Access terminal from Route 1, Searsport. Nearest address: 73 Trundy Rd., Searsport, ME

**Nearest Boat Ramp** Searsport Harbor or Stockton Springs

**Collection Points** Long Cove, or containment at stormwater outfalls

**Special Instructions** Sprague's terminal has spooled boom; the boom's availability for response cannot be counted upon especially if the release is related to their operations. Tidal strength may make keeping belly out of boom difficult.

**Work Assignment** For discharge from offloading ship, or after incoming tide, place two 1000 foot sections of containment boom from pier at Mack Pt. to Sears Island to contain oil in Long Cove. Approximately 1000 feet of boom may need to be deployed along the Sprague pier to prevent under pier flow. If there is a threat to water from land side of the terminal, place 600' of boom around Sprague stormwater outfall and 500 feet of boom around each of Irving's stormwater outfalls.

Any discharge to water to the west of the pier or on an outgoing tide will require deployment of a vessel and skimmer to contain oil.

## Recommended Equipment / Resources

**Length of Boom (feet)** 4100 **Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

Primary (at pier):
2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys.
2 - shoreside connections.
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

Secondaries (stormwater outfalls):
3 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys.
5 - shoreside connections
1 - vacuum truck or skimmer and storage
1 - boat operator
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 10/23/2018 **Last Field Visit** 8/22/2005 **Last Field Test:** 9/22/2021

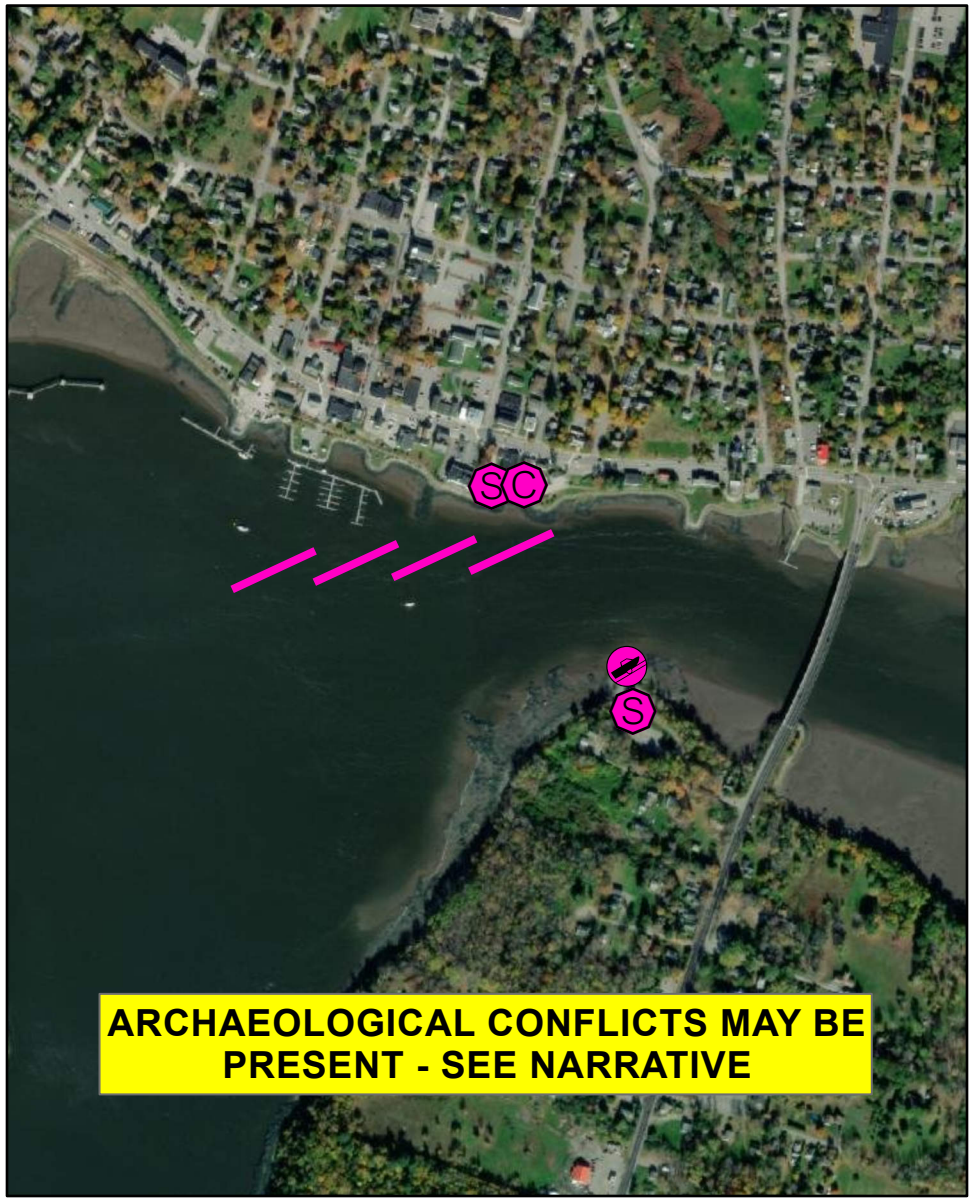
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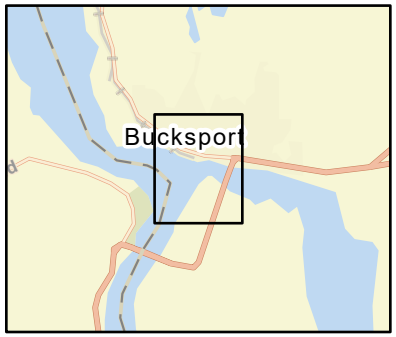
## Penobscot River / NE Channel, Bucksport (ebb)

## Bucksport / Orland, ME

0 925 1,850 Feet

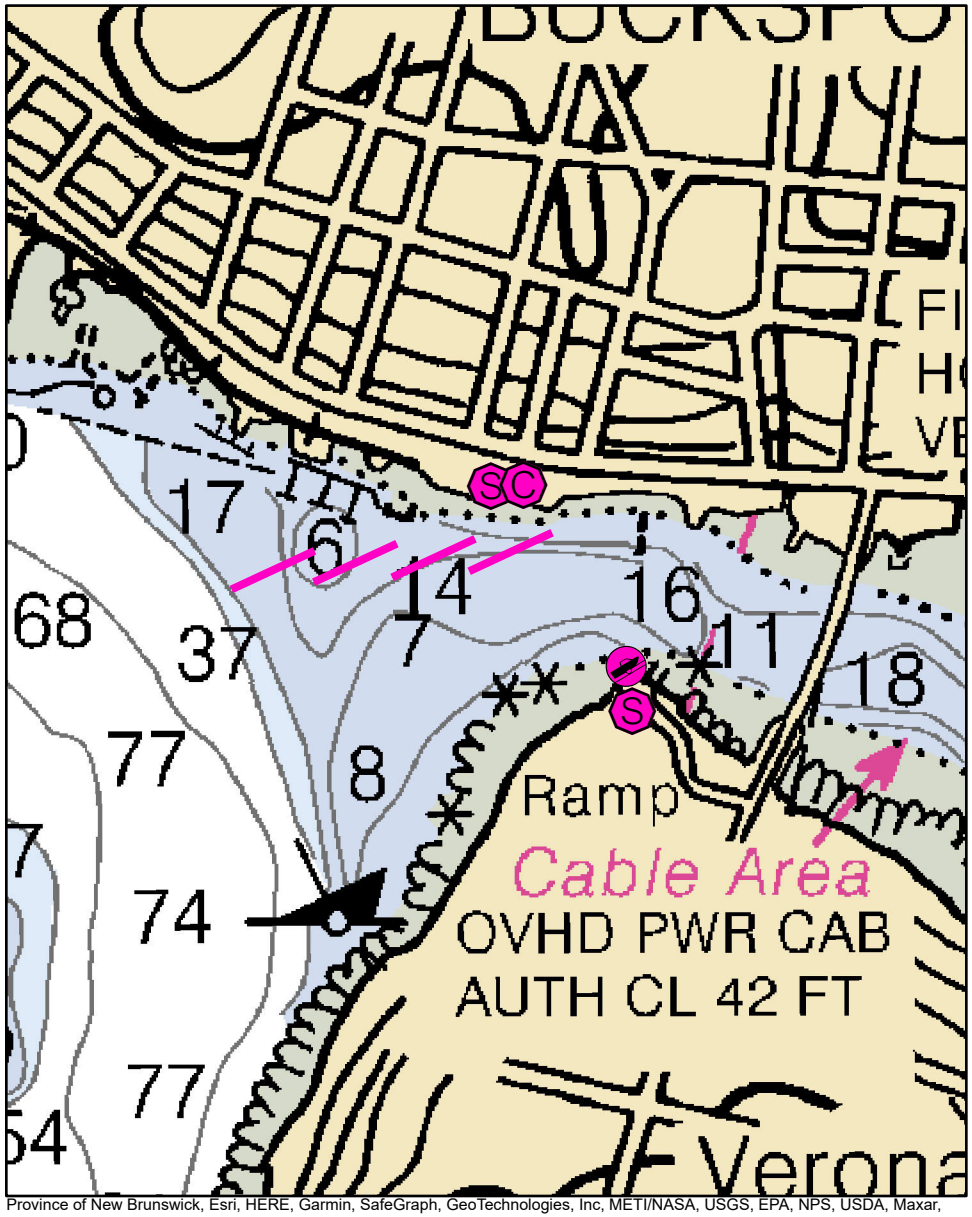
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Province of New Brunswick, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# C-17-1 Penobscot River / NE Channel, Bucksport (ebb)

**Town** Bucksport / Orland
**Latitude** 44° 34.201' N **Longitude** 68° 47. 661' W
**Approx. Tidal Range (feet)** 11
**Max Current (knots)** **Flood** 1.4 **Ebb** 2.5
**Source** Flood measured / ebb est.

**Port Region** Penobscot Bay
**NOAA Chart #** 13309_1
**ESI Map #** 16B, 16C
**EVI Map #** 72
**DeLorme Map # (2019)** 23 E2

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered riprap (8C)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Strategy protects Eastern Channel, which has shorebird areas, mudflats, marine worm habitat and bald eagle nesting sites.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To prevent oil originating upriver from entering eastern channel of the Penobscot River on an ebb tide

**Staging Areas** Same as site access

**Site Access** Verona Island boat ramp, Town of Bucksport dock, Bucksport Town Hall parking lot. Nearest address: 50 Main St., Bucksport, ME

**Nearest Boat Ramp** Verona Island

**Collection Points** Parking lot behind Bucksport Town Hall.

**Special Instructions** River dominated by downstream flow. Flood tide lasts only about 2 hours, otherwise flow is downstream, with ebb much stronger than flood.

**Work Assignment** Deploy four 300 foot sections of boom from anchor point in mid channel (68 47.765 W, 44 34.208 N) to vicinity of parking lot behind Bucksport Town Hall on northerly side of river. Use 40 lb. anchors.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1200
**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
5 - anchor systems: 40 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
1 - shoreside connection
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 10/26/2018 **Last Field Visit** 10/25/2011 **Last Field Test:** 10/25/2011

# C-18-1

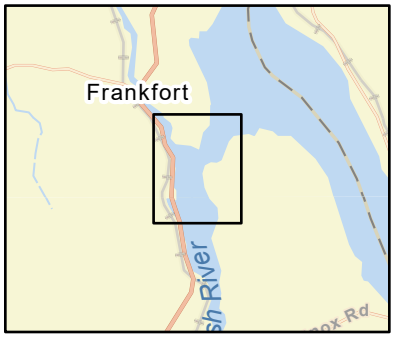
## Frankfort / Marsh River

## Frankfort / Marsh River, ME

0 1,000 2,000 Feet

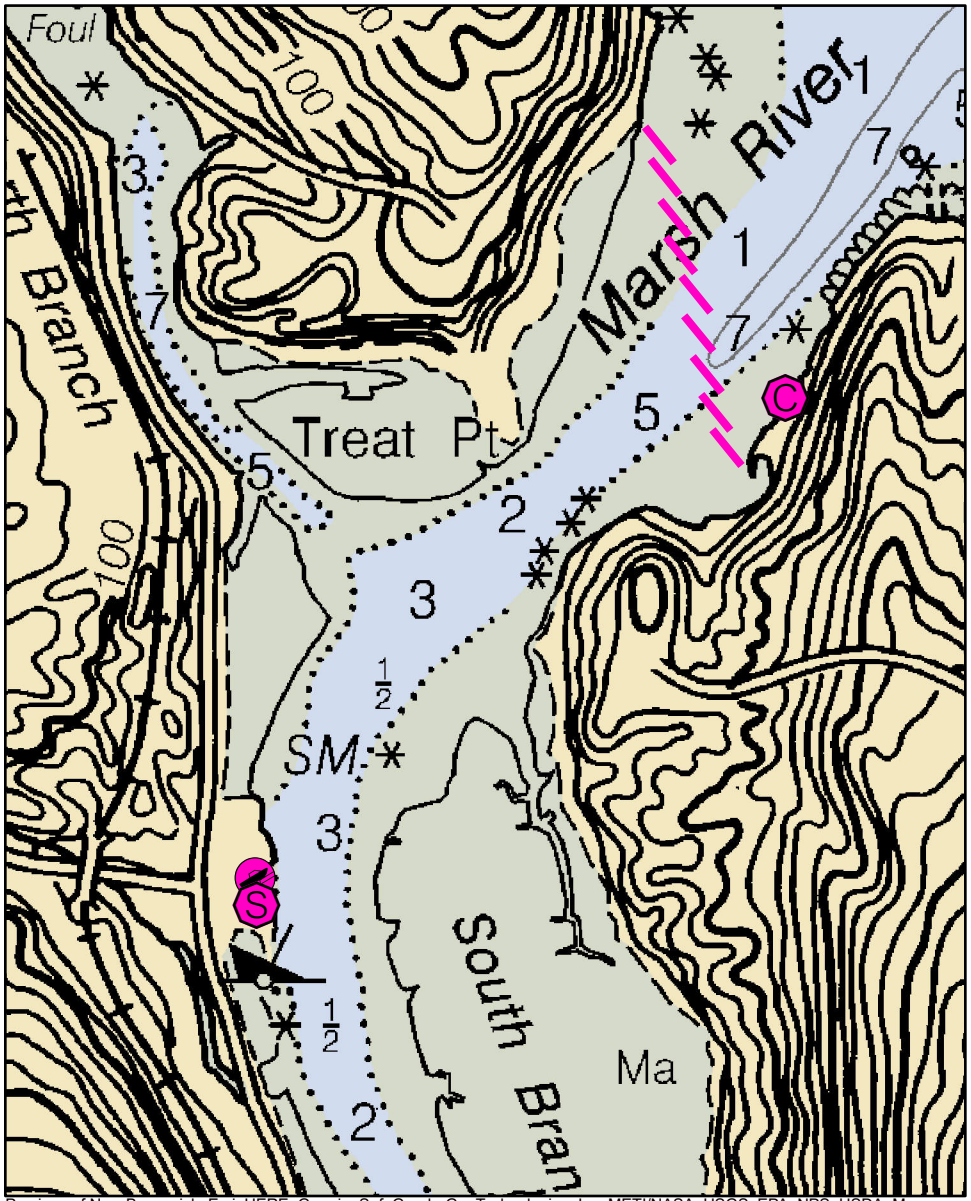
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Province of New Brunswick, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# C-18-1 Frankfort / Marsh River

**Town** Frankfort / Marsh River
**Latitude** 44° 36.025' N **Longitude** 68° 51.325' W
**Approx. Tidal Range (feet)** 12
**Max Current (knots)** **Flood** 2+ knots **Ebb**
**Source** estimated

**Port Region** Penobscot Bay
**NOAA Chart #** 13309_1
**ESI Map #** 16C, 16A
**EVI Map #** 71
**DeLorme Map # (2019)** 23 D1

## Resources At Risk

**ESI Primary Shoreline Type** Salt to brackish marshes (10A)
**ESI Secondary Shoreline Type** Vegetated low banks (9B)

**Environmental Concerns** Extensive salt marsh in upper areas of Marsh River. Diadromous fish and elver runs. Waterfowl and shorebird habitat. Area is Franklin Wildlife Management Area (owned by IF&W).

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert oil from upper Marsh River

**Staging Areas** Frankfort boat launch.

**Site Access** Frankfort boat launch on Mt. Waldo Road. Trailerable, all-tide

**Nearest Boat Ramp** .5 mile in river off Mt. Waldo Road

**Collection Points** Strategy is primarily exclusion. On water collection from Bowden Point side

**Special Instructions** Strategy has been successfully deployed by Penobscot River Oil Pollution Abatement Committee (PROPAC)

**Work Assignment** Secure 300' of intertidal boom to the southern tip of Treat Point and deploy in a easterly (approximately 104 degrees M) direction and anchor toward mid-channel. Use an additional eight 300' lengths of boom to cascade across river to small cove just south of Bowden Point

## Recommended Equipment / Resources

**Length of Boom (feet)** 2700

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys.
2 - shoreside connections.
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 7/15/2014 **Last Field Visit** 8/24/2005 **Last Field Test:** 7/16/2008

# C-19-1

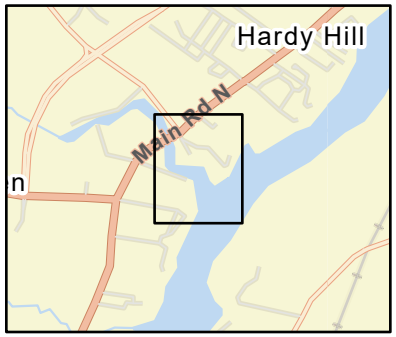
## Souadabscook Stream

## Hampden, ME

0 520 1,040 Feet

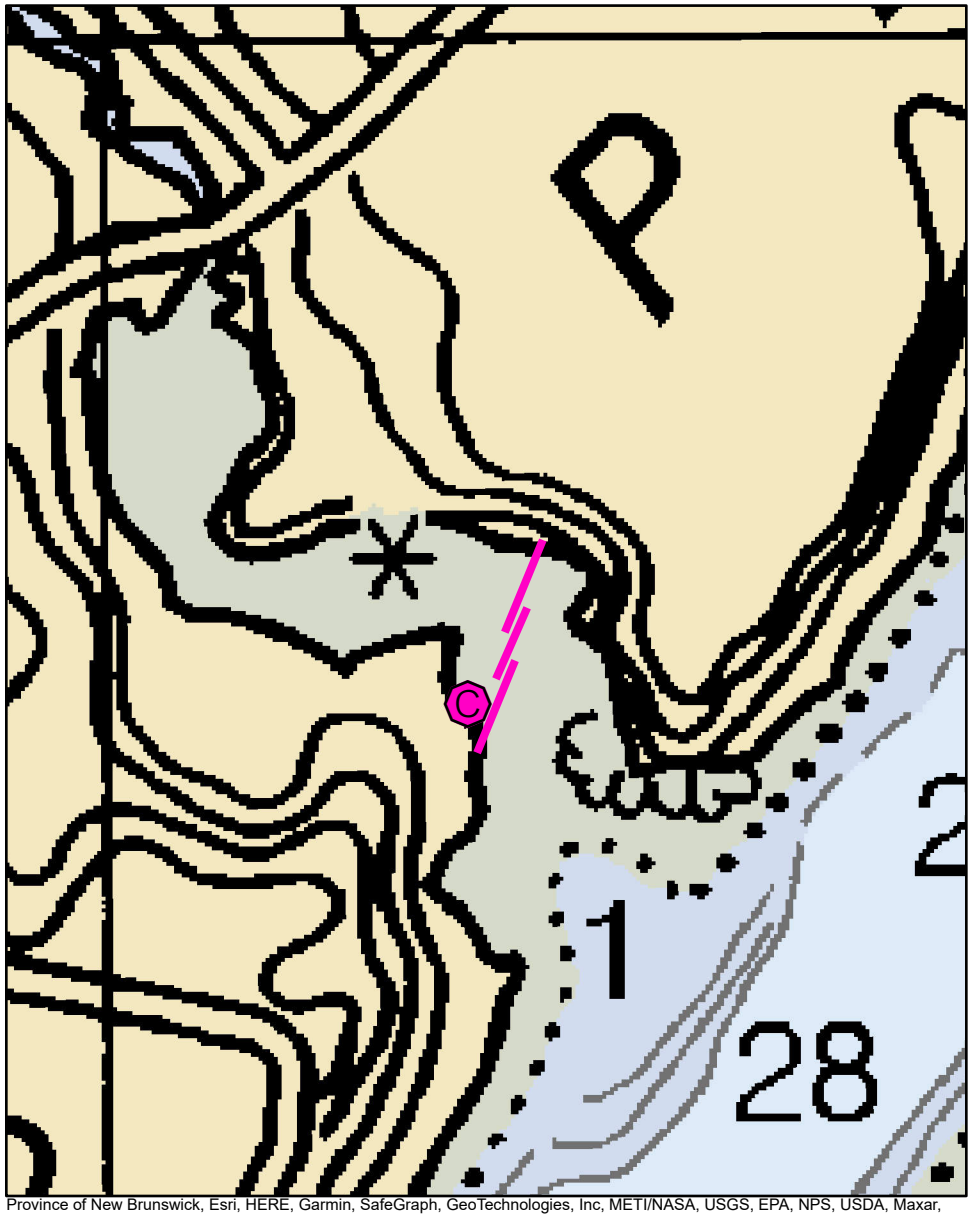
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Province of New Brunswick, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# C-19-1 Souadabscook Stream

**Town** Hampden
**Latitude** 44° 44.741' N **Longitude** -68° 49.827' W
**Approx. Tidal Range (feet)** 12
**Max Current (knots)** **Flood** < 1 kt **Ebb**
**Source** Observed

**Port Region** Penobscot Bay
**NOAA Chart #** 13309_3
**ESI Map #** 7C
**EVI Map #** 75
**DeLorme Map # (2019)** 23 C1

## Resources At Risk

**ESI Primary Shoreline Type** Vegetated low banks (9B)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Sensitive plants noted on shoreline per Maine Natural Areas Program. Diadromous fish run (rainbow smelt) in stream.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To prevent spill from upstream entering the Penobscot River

**Staging Areas** Hampden Boat Launch

**Site Access** Boom must be brought in by water. Nearest address: 34 Elm Street East, Hampden, ME

**Nearest Boat Ramp** Hampden Boat Launch

**Collection Points** From yard of residence at 34 Elm Street East, Hampden. Owner: Sandra Gemmel, 207-862-5669

**Special Instructions** May not be feasible during spring flood conditions depending on flow from stream. Area is very shallow at low tide. Must be deployed from mid flooding to mid ebbing tide.

**Work Assignment** Cascade two 200 foot lengths and one 100 foot length of boom across the stream to protect the Penobscot River from a spill upstream. Collect oil on western shoreline as shown deploying a skimmer or vac truck from 34 Elm Street East in Hampden.

## Recommended Equipment / Resources

**Length of Boom (feet)** 500
**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
6 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines with buoys.
1 - vacuum truck or skimmer with storage
2 - workboats
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 10/26/2018 **Last Field Visit** **Last Field Test:** 8/25/2016

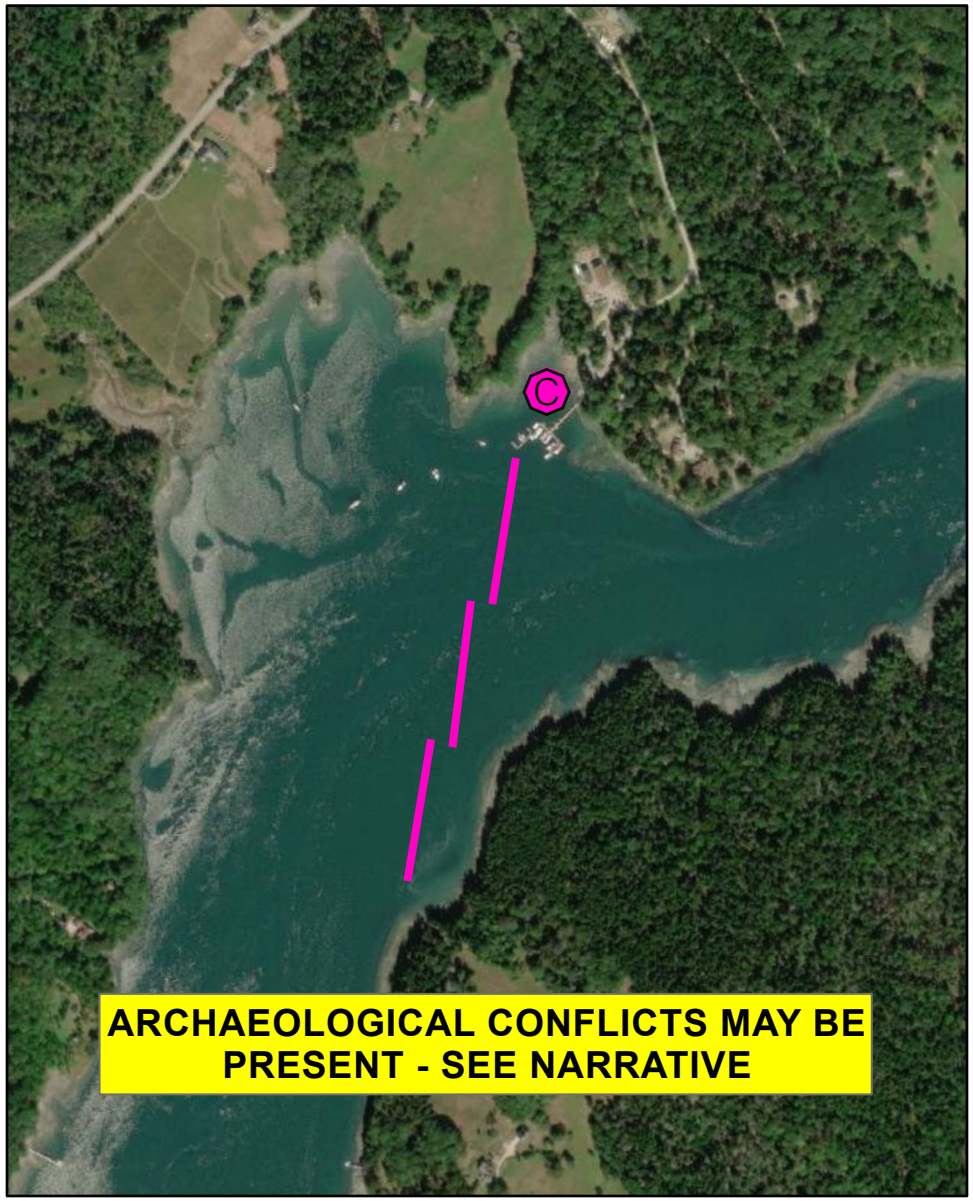
# C-20-1

## Bagaduce River

## Penobscot, ME

0 925 1,850 Feet

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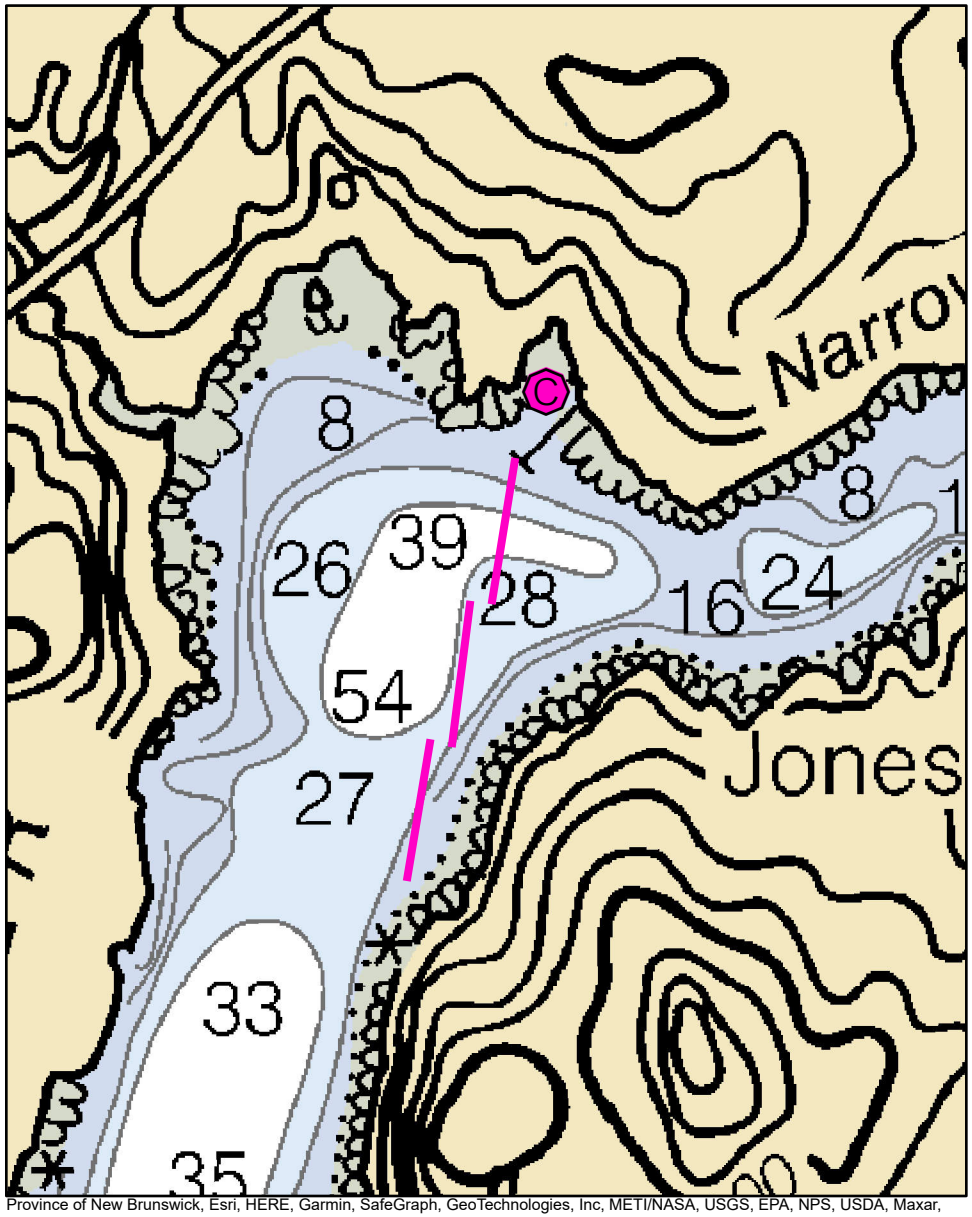






**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Province of New Brunswick, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# C-20-1 Bagaduce River

**Town** Penobscot
**Latitude** 44° 25.494' N **Longitude** 68° 45.719' W
**Approx. Tidal Range (feet)** 12
**Max Current (knots)** **Flood** see below **Ebb**
**Source**

**Port Region** Penobscot Bay
**NOAA Chart #** 13309_1
**ESI Map #** 23A
**EVI Map #** 65
**DeLorme Map # (2019)** 15 A2

## Resources At Risk

**ESI Primary Shoreline Type** Mixed sand and gravel beaches (5)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Upper Bagaduce River is sensitive habitat for many species: shellfish, shorebirds, diadromous fish, elver runs, and eelgrass. Several Bald Eagle nests and seal haul outs.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert oil from upper Bagaduce River

**Staging Areas** Castine Town Dock, Maine Maritime Academy or Seal Ledge Marina. No ramp at marina.

**Site Access** Use Castine Town Dock to launch. Collection area: from Route 3 at Orland, take Route 175 to Route 199. Follow 199 south to Seal Ledge Lane and marina.

**Nearest Boat Ramp** Castine Town dock

**Collection Points** Cove at Seal Ledge Marina

**Special Instructions** Current in Bagaduce Narrows can exceed 4 kts according to NOAA data. Keep boom in wider area before Narrows. Current from Castine Harbor to marina site is too strong for boom. Many eddies and confused currents in Upper Bagaduce. Use caution.

**Work Assignment** Use three 500 foot lengths of boom to divert oil to cove at Seal Ledge Marina in Penobscot.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1500 **Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys.
2 - shoreside connections.
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 1/5/2012 **Last Field Visit** 7/15/2011 **Last Field Test:**

# C-21-1

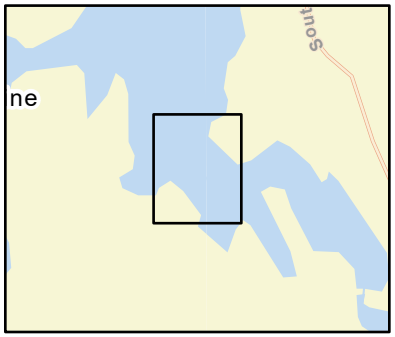
## Upper Bagaduce River

## Penobscot / Brooksville, ME

0 925 1,850 Feet

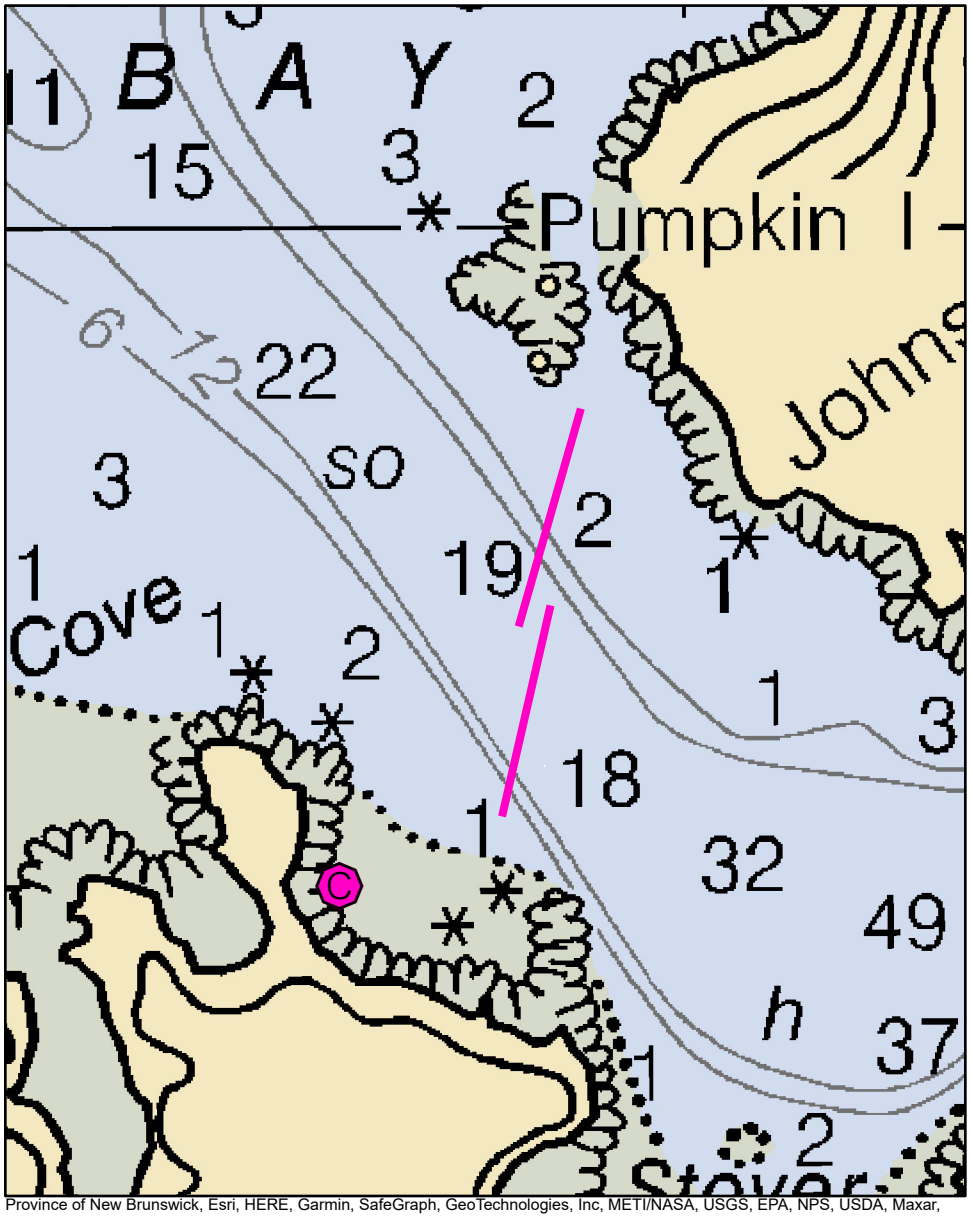
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




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# C-21-1 Upper Bagaduce River

**Town** Penobscot / Brooksville
**Latitude** 44° 24.661' N **Longitude** 68° 43.4' W
**Approx. Tidal Range (feet)** 12
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Penobscot Bay
**NOAA Chart #** 13309_1
**ESI Map #** 23A, 23C
**EVI Map #** 65
**DeLorme Map # (2019)** 15 B3

## Resources At Risk

**ESI Primary Shoreline Type** Mixed sand and gravel beaches (5)
**ESI Secondary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)

**Environmental Concerns** Tidal flats, eelgrass, shorebird habitat. Bald eagles nest near site.

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To exclude oil from Upper Bagaduce River

**Staging Areas** Castine Town Dock or Maine Maritime Academy.

**Site Access** Access causeway (private?) from Coastal Road (Rte. 175) in North Brooksville.

**Nearest Boat Ramp** Castine Town Dock or South Penobscot (part-tide only)

**Collection Points** Possible, but difficult collection from causeway in North Brooksville.

**Special Instructions** Difficult access

**Work Assignment** Secondary strategy for Bagaduce River. Use two 750 foot lengths of boom to divert oil from upper Bagaduce River to causeway west of Stover Cove

## Recommended Equipment / Resources

**Length of Boom (feet)** 1500 **Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys.
2 - shoreside connections.
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 1/5/2012 **Last Field Visit** 7/15/2011 **Last Field Test:**

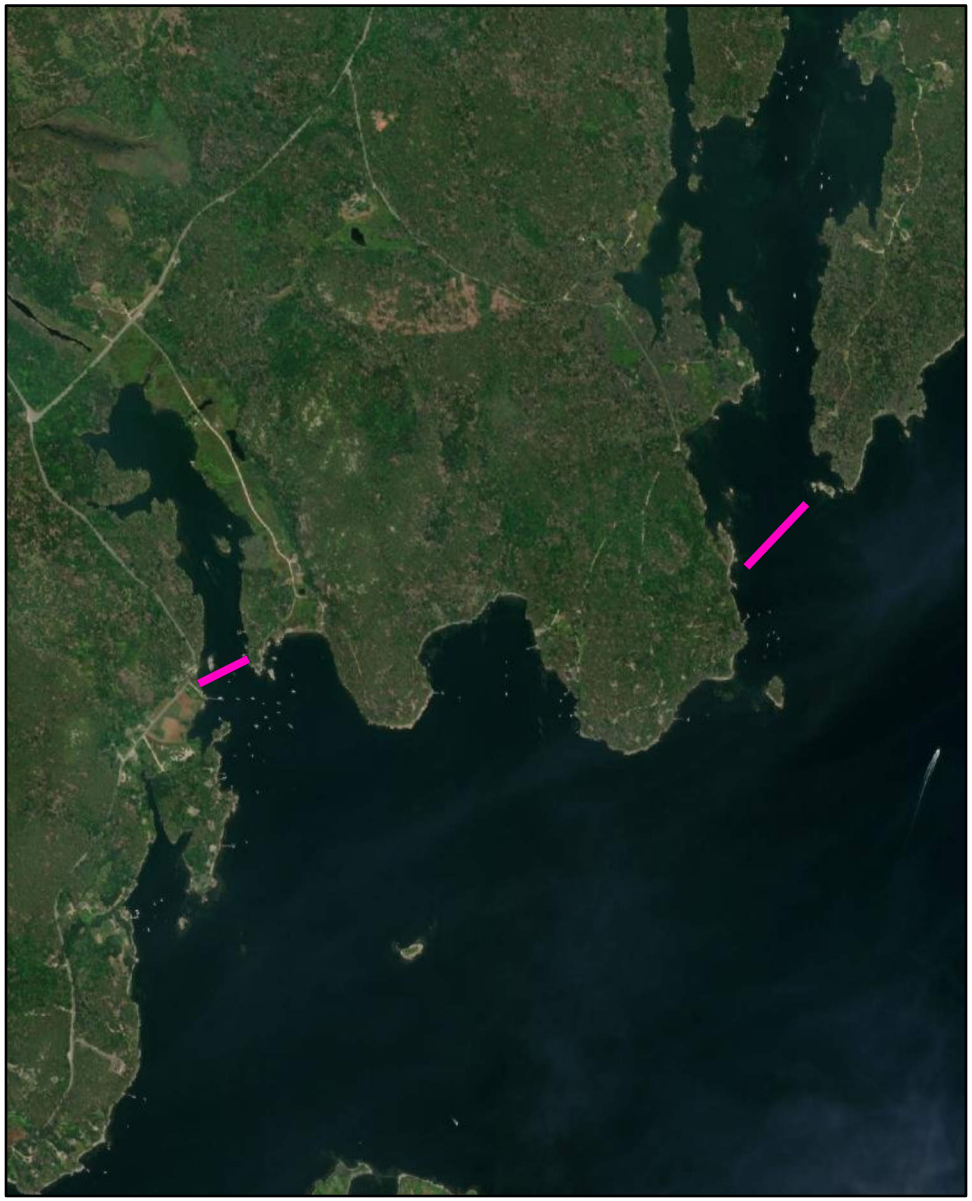
# C-22-1

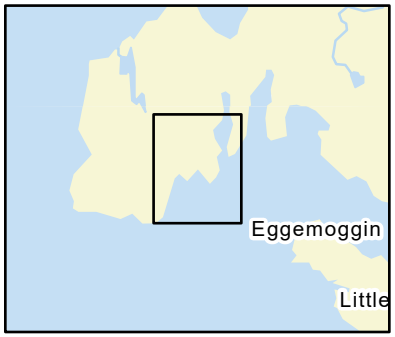
## Weir Cove / Horseshoe Cove

## Brooksville, ME

0 2,000 4,000 Feet

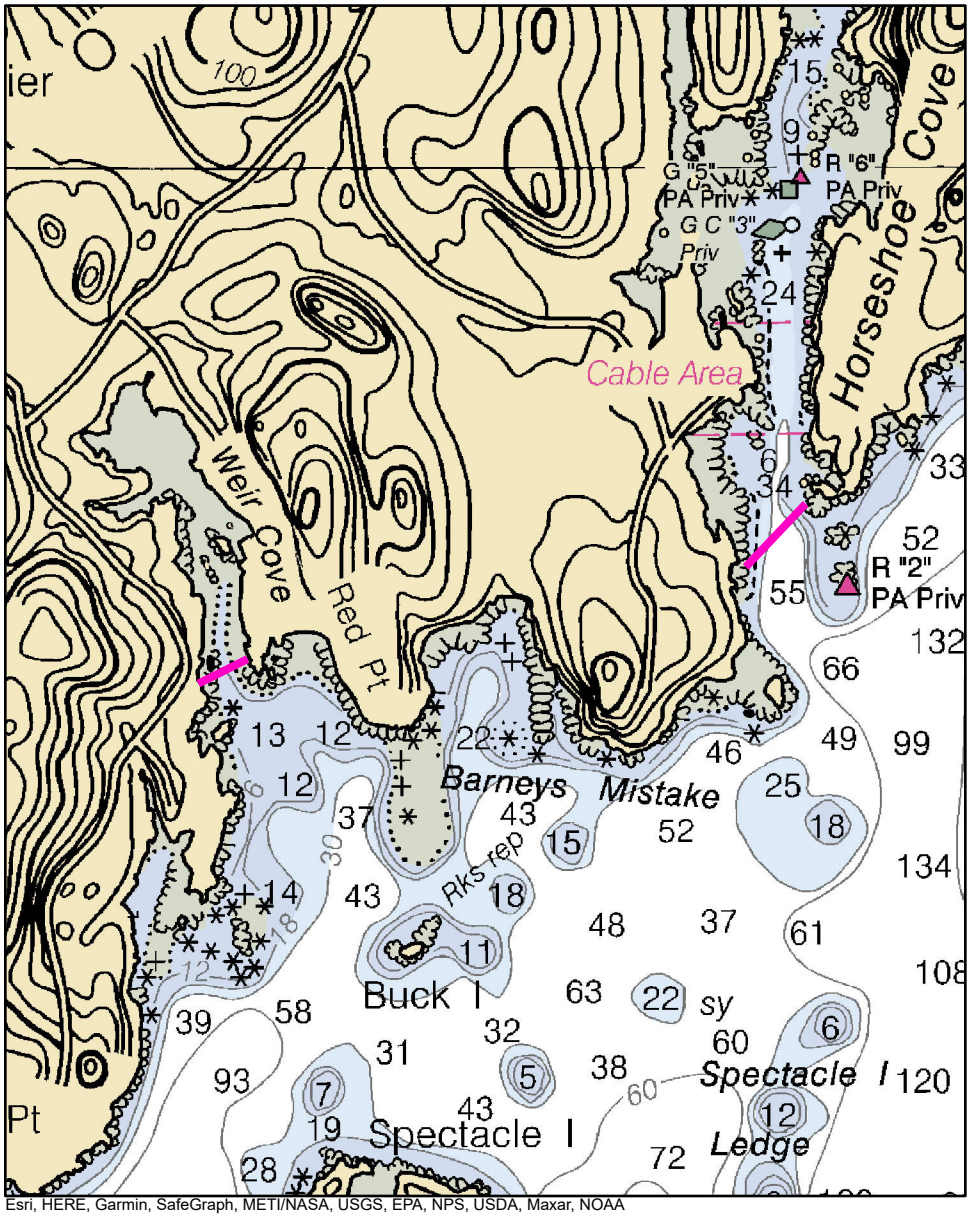
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# C-22-1 Weir Cove / Horseshoe Cove

**Town** Brooksville
**Latitude** 44° 19.037' N **Longitude** 68° 46.354' W
**Approx. Tidal Range (feet)** 9
**Max Current (knots)** **Flood** < 1 knot **Ebb**
**Source** estimated

**Port Region** Penobscot Bay
**NOAA Chart #** 13309_1
**ESI Map #** 23C
**EVI Map #** 58
**DeLorme Map # (2019)** 15 C2

## Resources At Risk

**ESI Primary Shoreline Type** Mixed sand and gravel beaches (5)

**ESI Secondary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)

**Environmental Concerns** Shellfish and marine worm habitat in upper reaches of both coves. Eelgrass and salt marsh in upper Horseshoe Cove

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To exclude oil from upper reaches of Weir and Horseshoe Coves

**Staging Areas** Betsy's Cove Town Landing, Brooksville

**Site Access** By water

**Nearest Boat Ramp** Small ramp with limited parking at Betsy's Cove Town Landing at Buck Harbor in Brooksville. Nearest street address: 757 Coastal Road, Brooksville (off Rte. 176) Nearest large boat ramp is Castine Town Dock.

**Collection Points** Primary strategy is exclusion.

**Special Instructions** Both coves have residences with fields adjacent to the water, but shoreline and nearshore are rocky. Horseshoe Cove uses one length of boom, as mid-point is deep for anchoring.

**Work Assignment** Place 450 feet of boom across mouth of Weir Cove and 750 feet of boom across mouth of Horseshoe Cove. Horseshoe Cove is the larger priority.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1500

**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**

4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys, or
4 - shoreside connections.
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 1/4/2019 **Last Field Visit** **Last Field Test:**

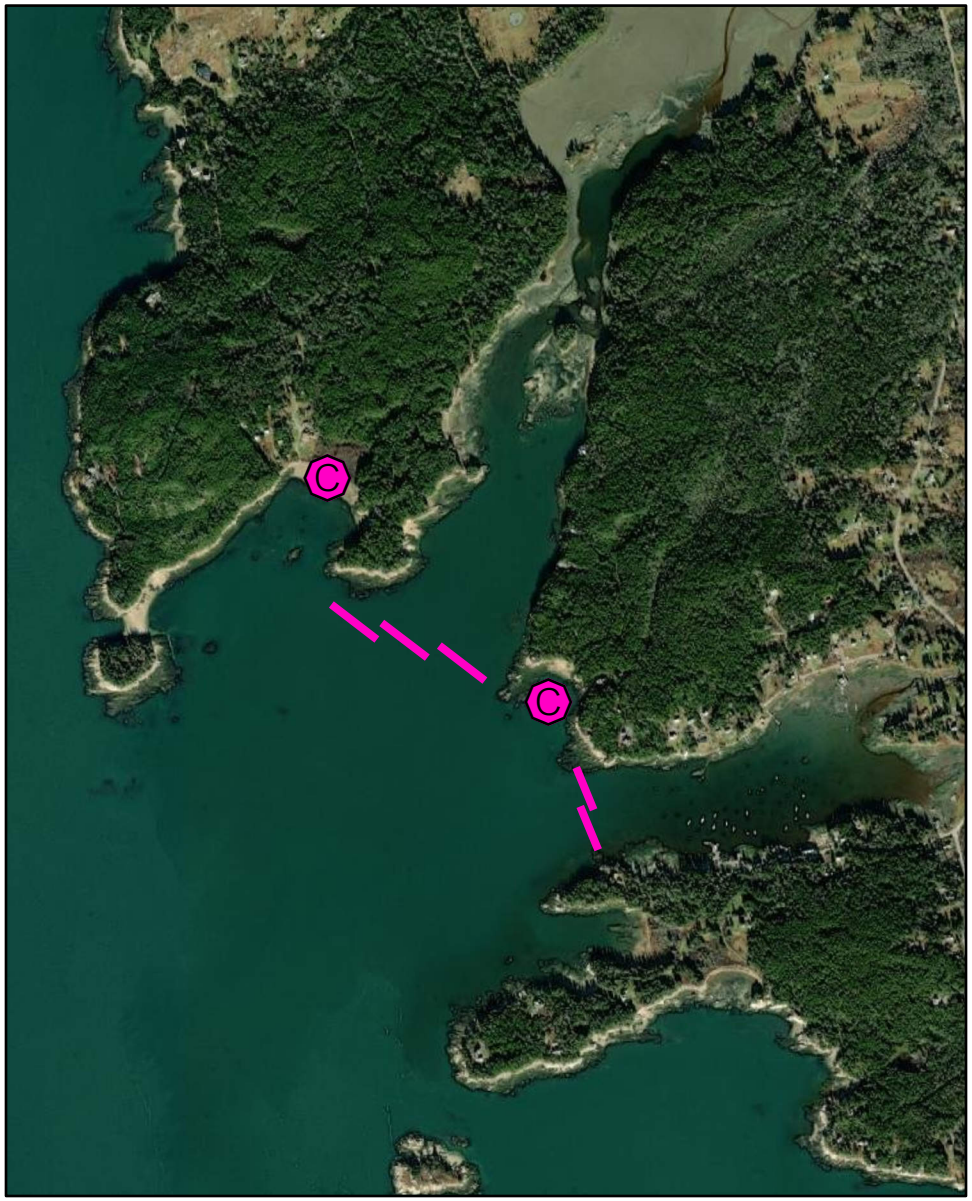
# C-23-1

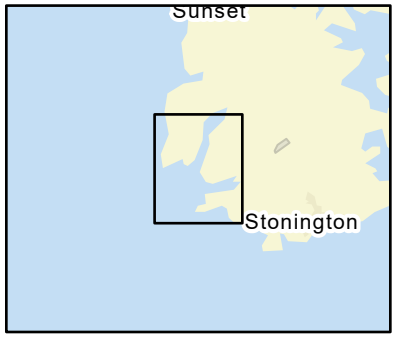
## Crockett and Burnt Coves

## Deer Isle / Stonington, ME

0 1,000 2,000 Feet

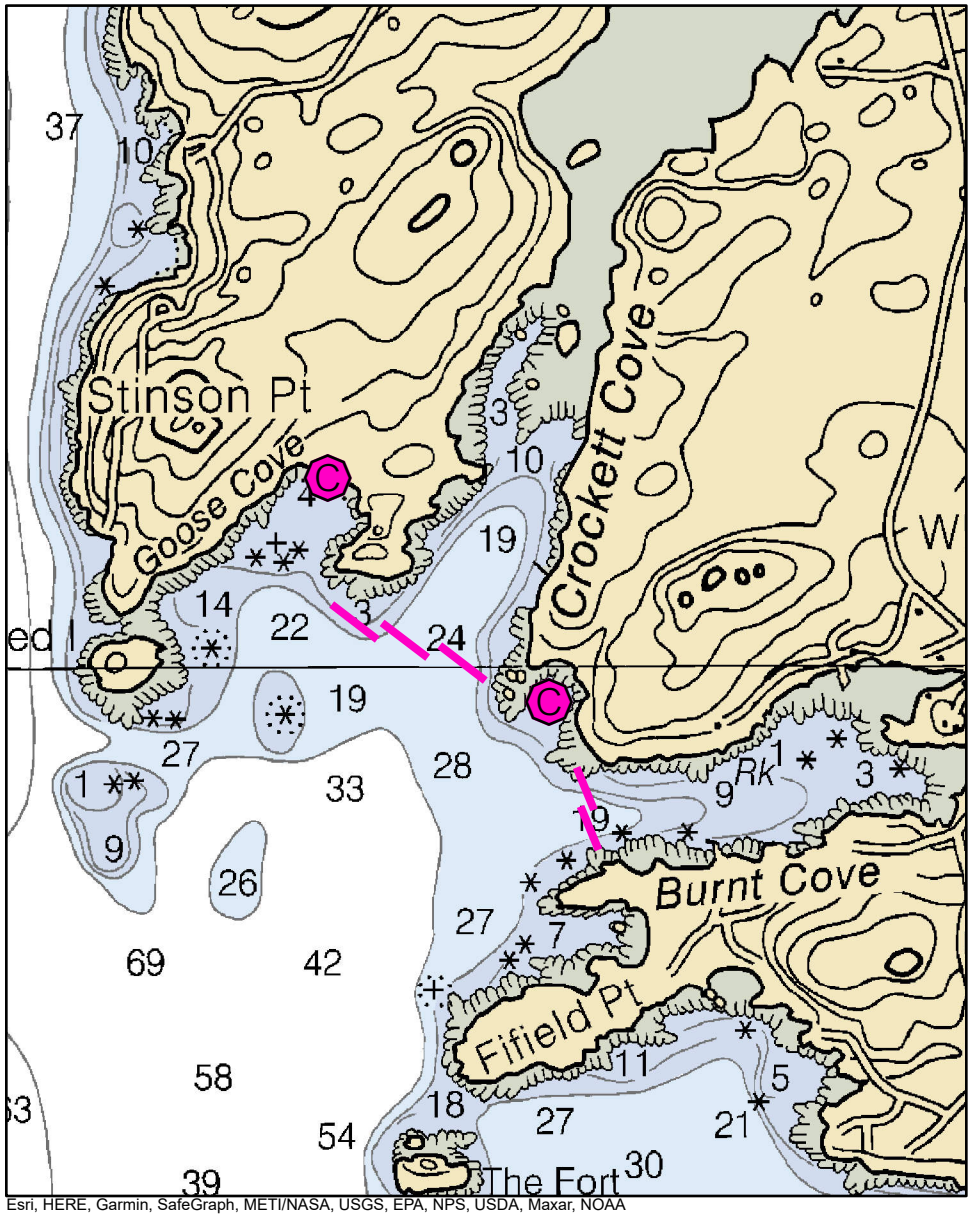
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# C-23-1 Crockett and Burnt Coves

**Town** Deer Isle / Stonington
**Latitude** 44° 9.9' N **Longitude** 68° 42.467' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** > 1 knot **Ebb**
**Source** Local knowledge estimate

**Port Region** Penobscot Bay
**NOAA Chart #** 13305_1
**ESI Map #** 28C, 28D
**EVI Map #** 53
**DeLorme Map # (2019)** 15 D3, E3

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)

**ESI Secondary Shoreline Type**

**Environmental Concerns** Crockett Cove: Tidal flats, shellfish beds, marine worm habitat, shorebird area and eelgrass. Burnt Cove: shellfish beds, eelgrass, shorebird area, lobster dealer.

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To exclude oil from Crockett and Burnt Coves

**Staging Areas** Stonington town dock, 1 High Street. May be possible to pull boom from Fifield Lobster Co., Fifield Point Road in Burnt Cove.

**Site Access** Rte. 1 to Rte. 15 to Stonington boat launch. Goose Cove: From Deer Isle village, right on Main St. and 3 miles to Goose Cove Road (Stinson Point)

**Nearest Boat Ramp** Stonington town dock

**Collection Points** Sand beach at Goose Cove Lodge is possible natural collection area.

**Special Instructions** Barred Island Preserve at mouth of Goose Cove is owned by Nature Conservancy.

**Work Assignment** Deploy two 500 foot lengths of boom across Burnt Cove and three 400 foot lengths of boom across Crockett Cove. Possible natural collection area at sand beach in Goose Cove (Goose Cove Lodge).

## Recommended Equipment / Resources

**Length of Boom (feet)** 2200

**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**

6 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys.
4 - shoreside connections.
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 1/6/2019 **Last Field Visit** 7/14/2011 **Last Field Test:**

# C-24-1

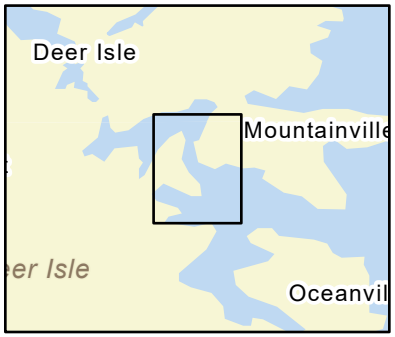
## Eastern Deer Isle

## Deer Isle / Stonington, ME

0 1,000 2,000 Feet

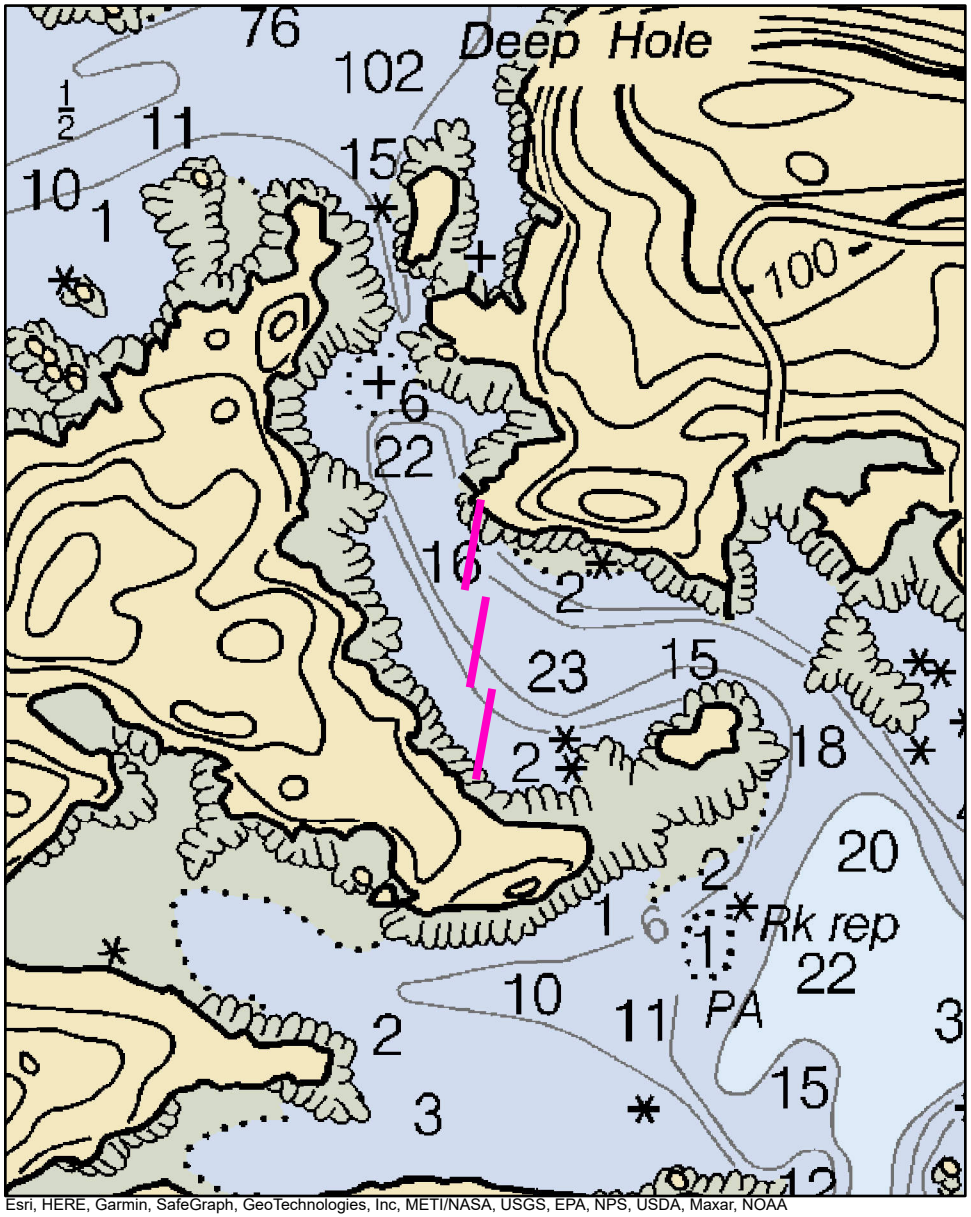
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# C-24-1 Eastern Deer Isle

**Town** Deer Isle / Stonington
**Latitude** 44° 12.346' N **Longitude** 68° 39.273' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Penobscot Bay
**NOAA Chart #** 13316_1
**ESI Map #** 28A, 28C
**EVI Map #** 54
**DeLorme Map # (2019)** 15 D4

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)
**ESI Secondary Shoreline Type** Mixed sand and gravel beaches (5)

**Environmental Concerns** Shellfish beds, shorebird habitat, mudflats and eelgrass in upper Southwest Harbor

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To exclude oil from upper Southwest Harbor

**Staging Areas** May be able to pull boom from large private residence off Rte. 15 at 110 Osprey Point Drive, South Deer Island or from causeway on Rte. 115 at the head of Long Cove.

**Site Access** Same as staging above

**Nearest Boat Ramp** Stonington Town Dock, 1 High Street, Stonington

**Collection Points** Primary purpose is exclusion

**Special Instructions**

**Work Assignment** Place three 400 foot lengths of boom across channel as shown

## Recommended Equipment / Resources

**Length of Boom (feet)** 1200

**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys, or
2 - shoreside connections.
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 1/4/2019 **Last Field Visit** **Last Field Test:**

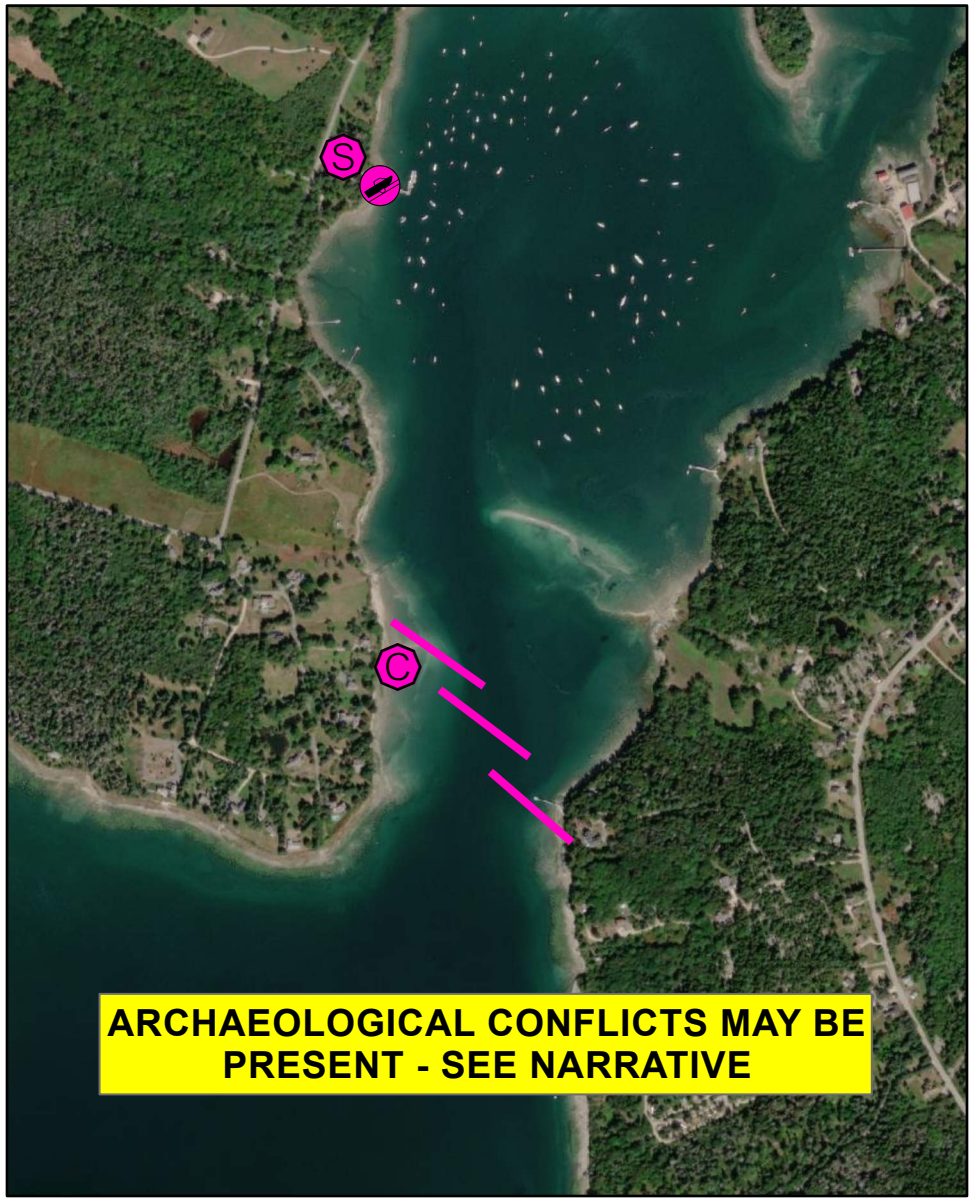
# C-25-1

## Benjamin River

## Sedgwick / Brooklin, ME

0 1,000 2,000 Feet

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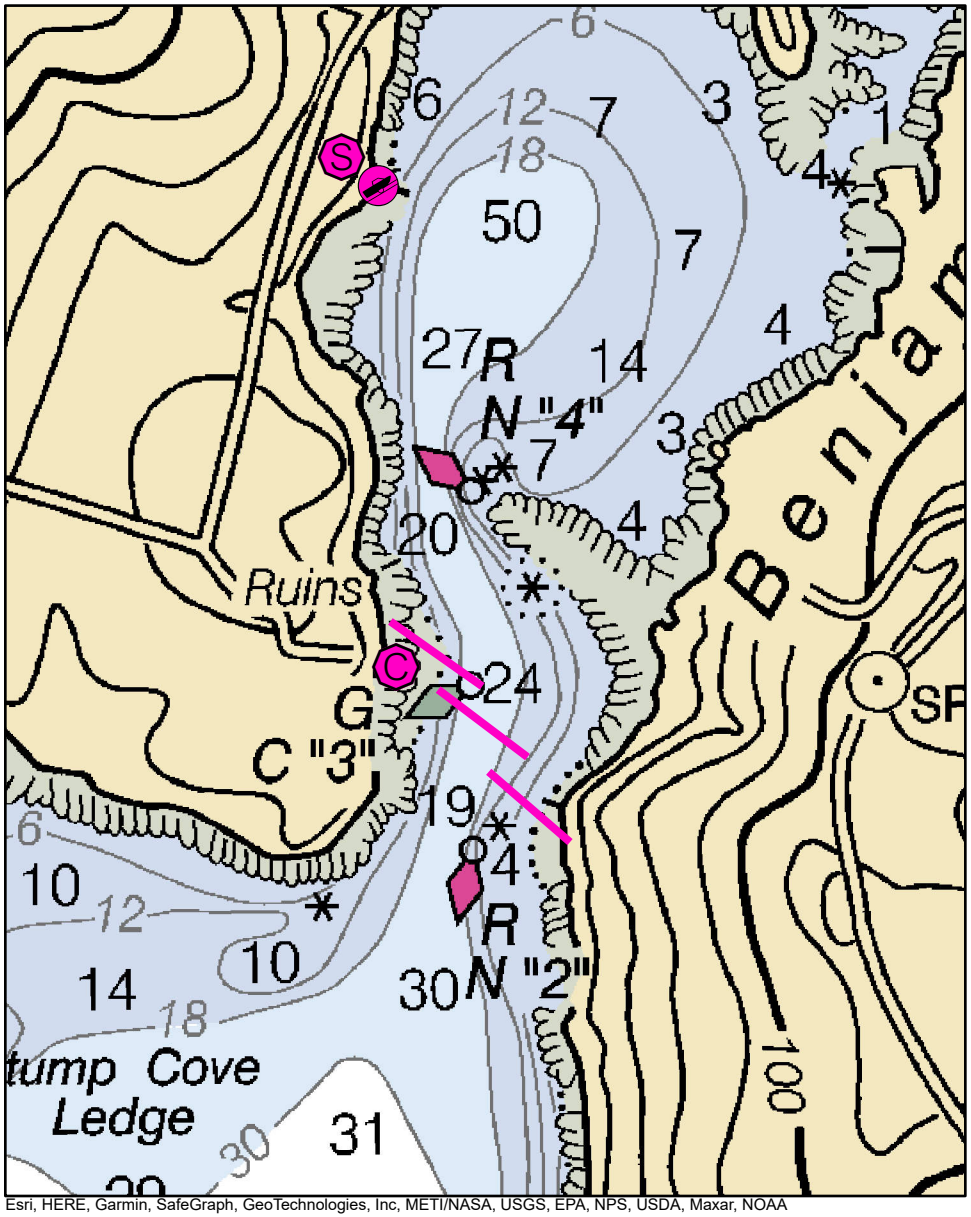






**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# C-25-1 Benjamin River

**Town** Sedgwick / Brooklin
**Latitude** 44° 17.288' N **Longitude** 68° 37.654' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Penobscot Bay
**NOAA Chart #** 13316_1
**ESI Map #** 28A, 27B, 22C
**EVI Map #** 59
**DeLorme Map # (2019)** 15 C4

## Resources At Risk

**ESI Primary Shoreline Type** Exposed tidal flats (7)
**ESI Secondary Shoreline Type** Mixed sand and gravel beaches (5)

**Environmental Concerns** Upper part of Benjamin River contains salt marsh, eelgrass, shorebird habitat. Shellfish and marine worm habitat.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert oil from Benjamin River

**Staging Areas** Sedgwick Town Landing at 103 Carter Point Road, Sedgwick, ME

**Site Access** By water from town landing

**Nearest Boat Ramp** Sedgwick Town Landing, 103 Carter Point Road, Sedgwick, ME

**Collection Points** May be possible to collect from shoreline of private residence at 238 Carter Point Road in Sedgwick.

**Special Instructions** Most sensitive area is above Route 175, but area near road is shallow and rocky. May be able to place a secondary strategy there.

**Work Assignment** Place three 500 foot sections of boom across the channel from the vicinity of Red Nun 2 to Green Can 3.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1500 **Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
4 - anchor systems: 40 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connection
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 1/10/2019 **Last Field Visit** **Last Field Test:**

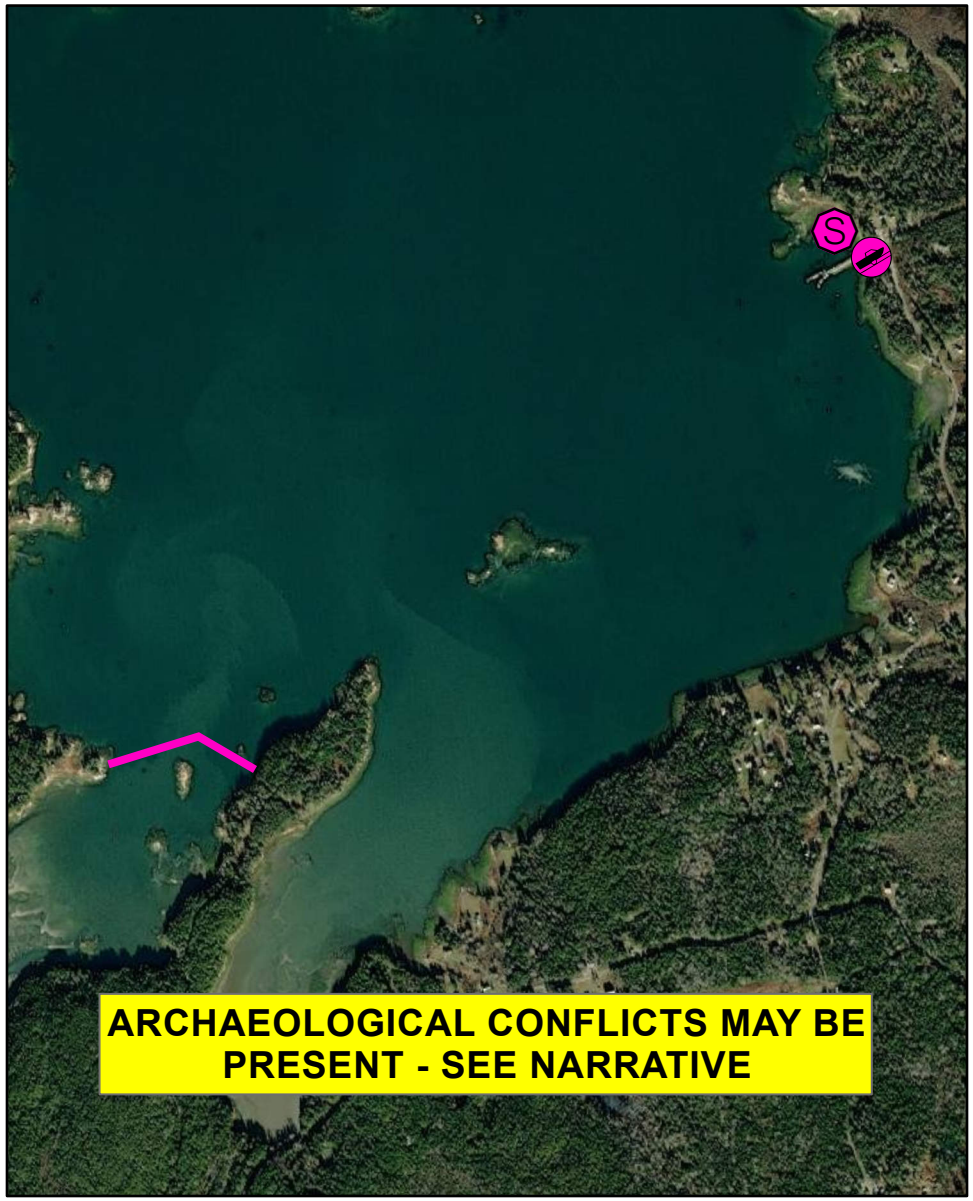
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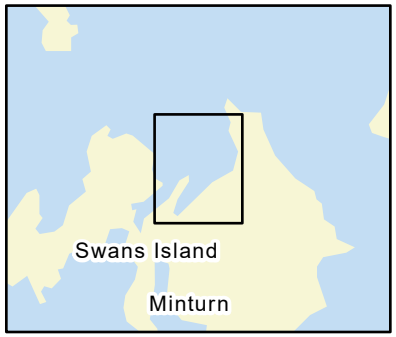
## Mackerel Cove

## Swans Island, ME

0 1,000 2,000 Feet

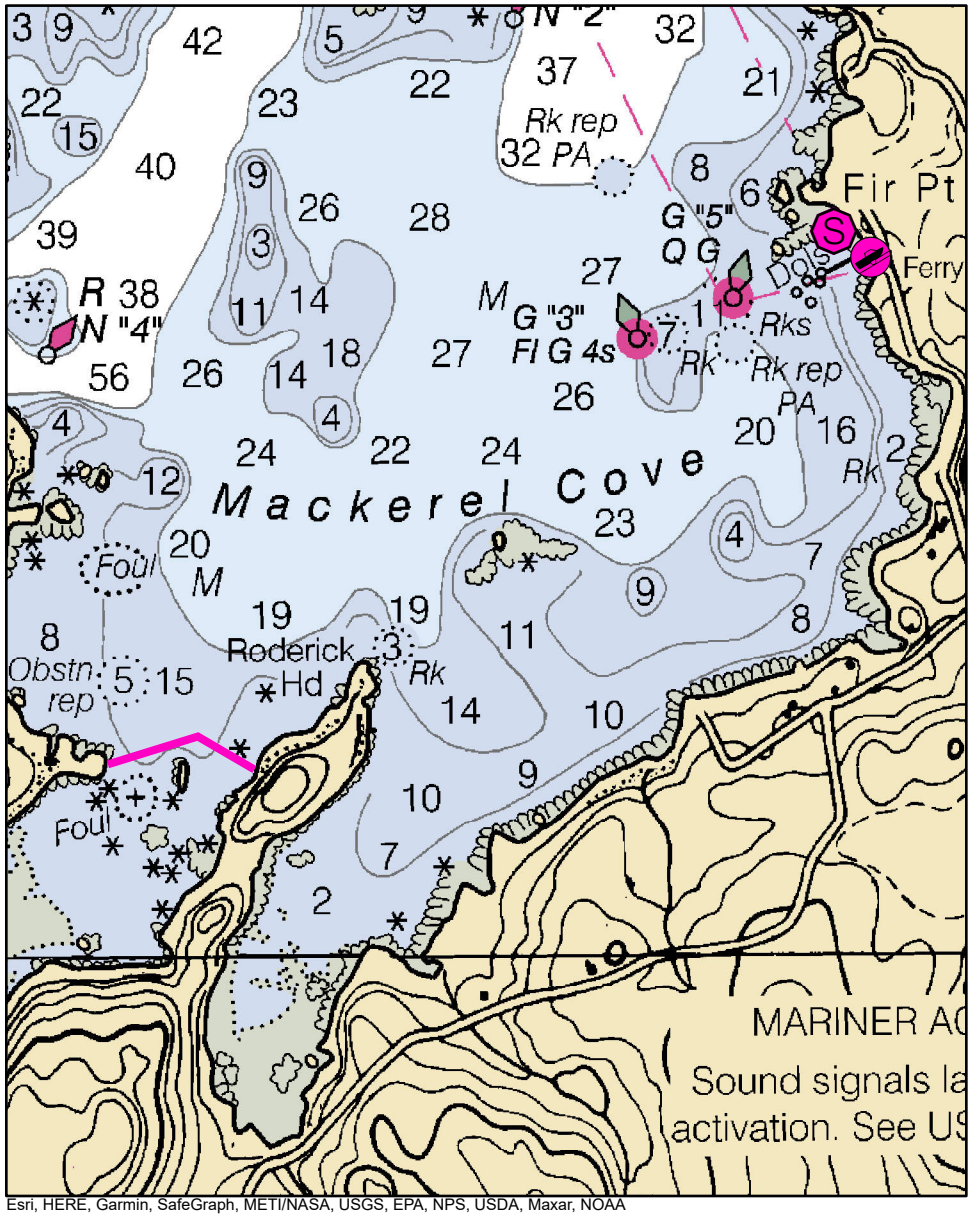
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# C-26-1 Mackerel Cove

**Town** Swans Island
**Latitude** 44° 10.279' N **Longitude** 68° 26.554' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Penobscot Bay
**NOAA Chart #** 13313_1
**ESI Map #** 27C
**EVI Map #** 55
**DeLorme Map # (2019)** 16 D1, E1

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Mudflats, shellfish and marine worm habitat

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To exclude oil from Mackerel Cove

**Staging Areas** Boat ramp at ferry landing, Ferry Road in Mackerel Cove

**Site Access** By water from ferry landing

**Nearest Boat Ramp** Ferry Road, Swans Island

**Collection Points** N/A. Meant to exclude oil from sheltered flats

**Special Instructions** Area is rocky -- use caution

**Work Assignment** Place 700 feet of boom from west shore to channel center, and 500 feet of boom from east shore to channel center.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1200
**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
1 - anchor system: 40 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connections
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 1/10/2019 **Last Field Visit** **Last Field Test:**

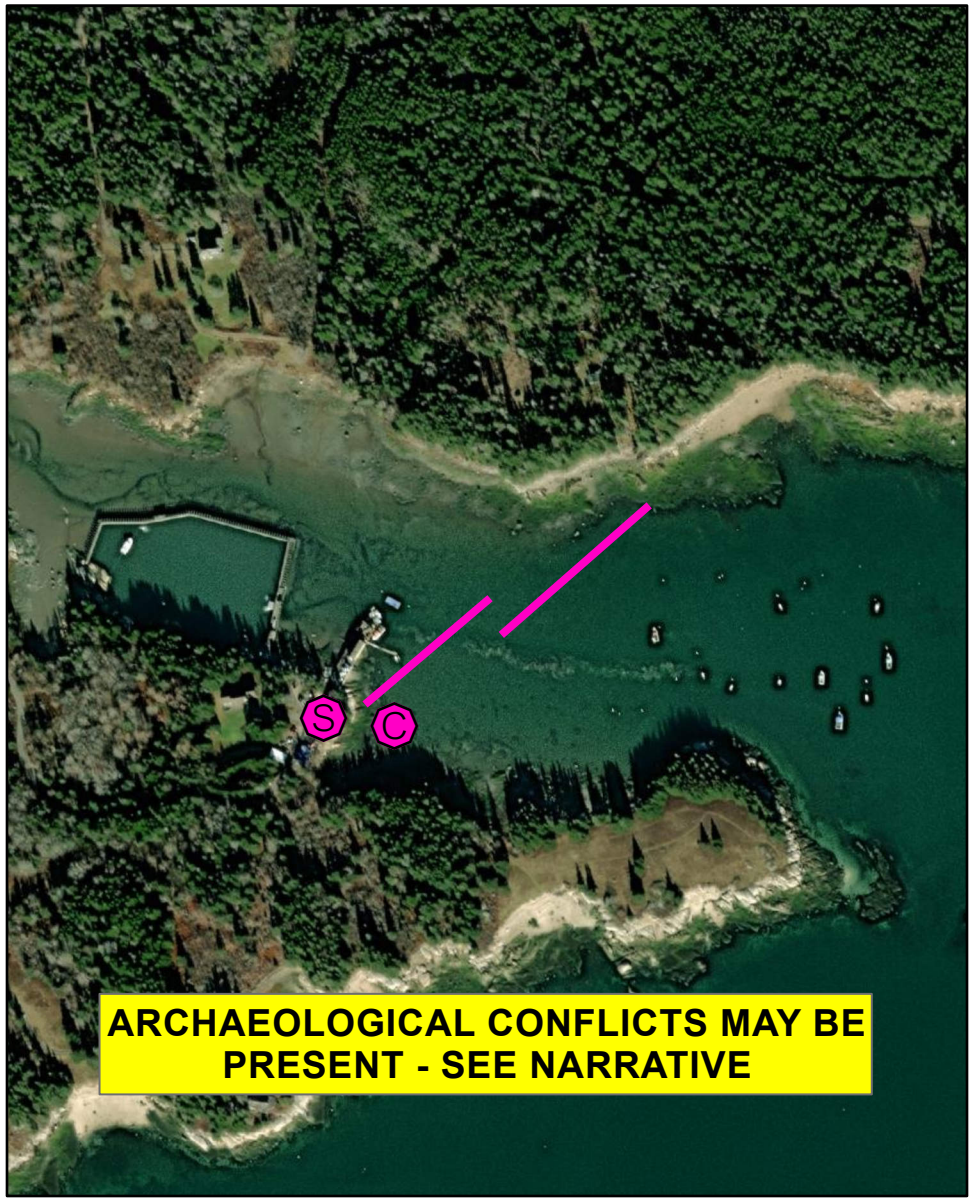
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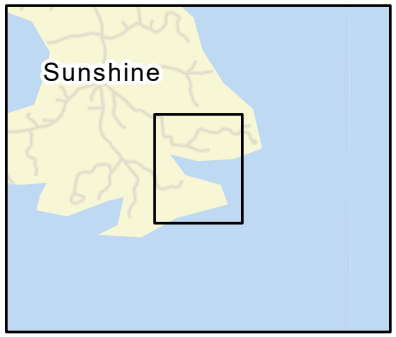
## Conary Cove / Stinson Neck

## Deer Isle, ME

0 620 1,240 Feet

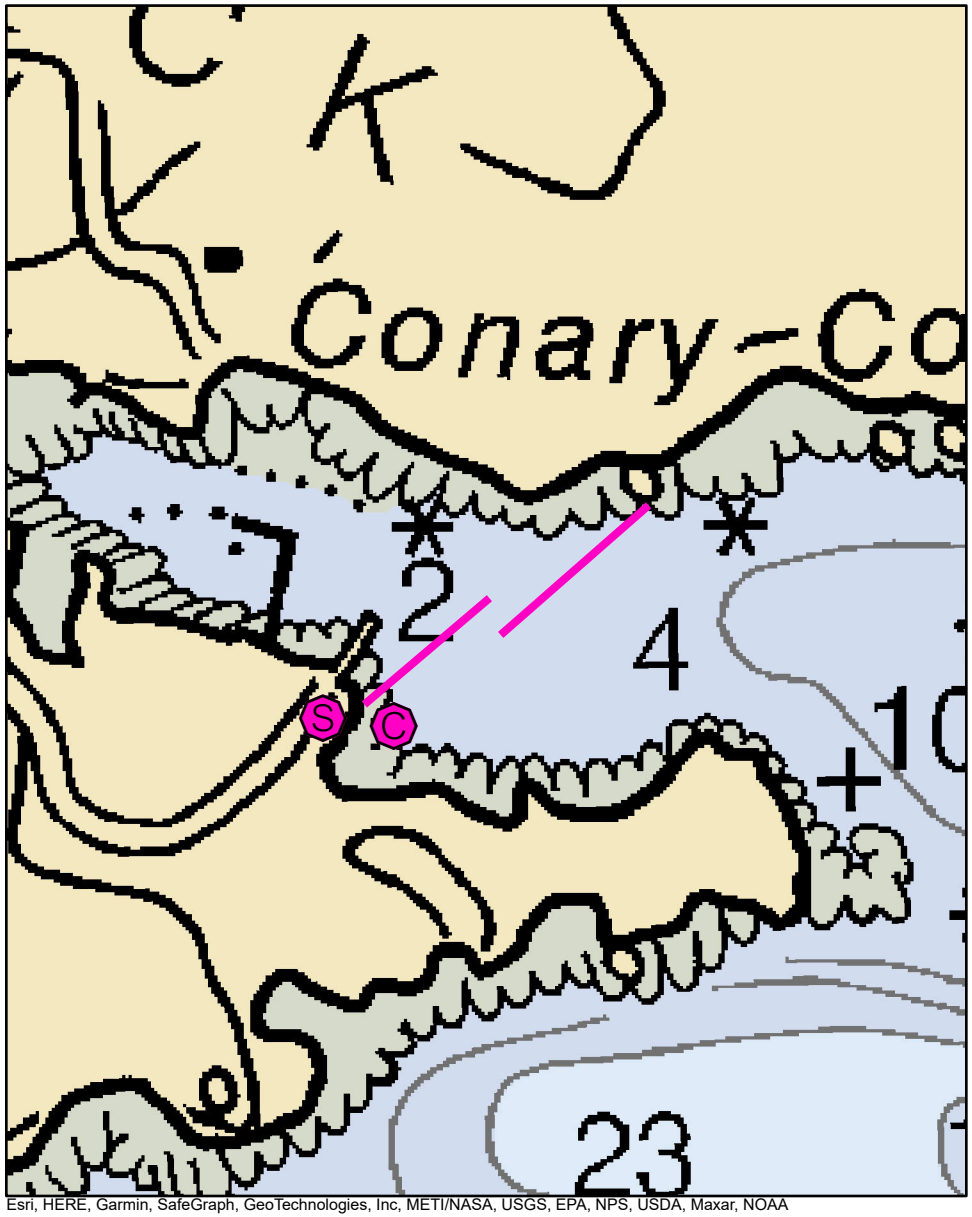
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# C-27-1 Conary Cove / Stinson Neck

**Town** Deer Isle
**Latitude** 44° 11.456' N **Longitude** 68° 34.274' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Penobscot Bay
**NOAA Chart #** 13316_1
**ESI Map #** 28D
**EVI Map #** 54
**DeLorme Map # (2019)** 15 D5

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)
**ESI Secondary Shoreline Type** Mixed sand and gravel beaches (5)

**Environmental Concerns** Lobster pound in cove, sheltered mudflats and shellfish habitat

**Archaeological Conflicts** Utilize boulder or tree anchors on northern end of boom if possible. Other deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert oil from upper Conary Cove

**Staging Areas** Possibly from Conary Cove Lobster Co., 83 Conary Cove Road

**Site Access** Same as staging area

**Nearest Boat Ramp** Stonington Public Landing, 1 Fish Pier Lane, Stonington

**Collection Points** From shoreline or pier at Conary Cove Lobster Co.

**Special Instructions** Contact Conary Cove Lobster Co. for information / permission. 207-348-6185

**Work Assignment** Place two 500 foot lengths of boom at an angle across Conary Cove

## Recommended Equipment / Resources

**Length of Boom (feet)** 1000

**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**

2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 1/10/2019 **Last Field Visit** **Last Field Test:**

# C-28-1

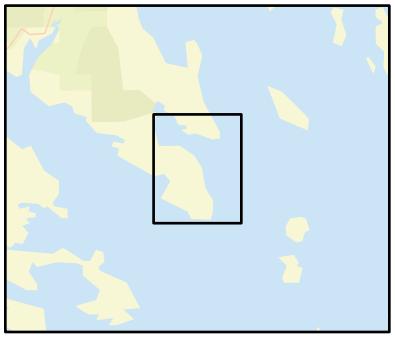
## Herrick Bay

## Brooklin, ME

0 3,000 6,000 Feet

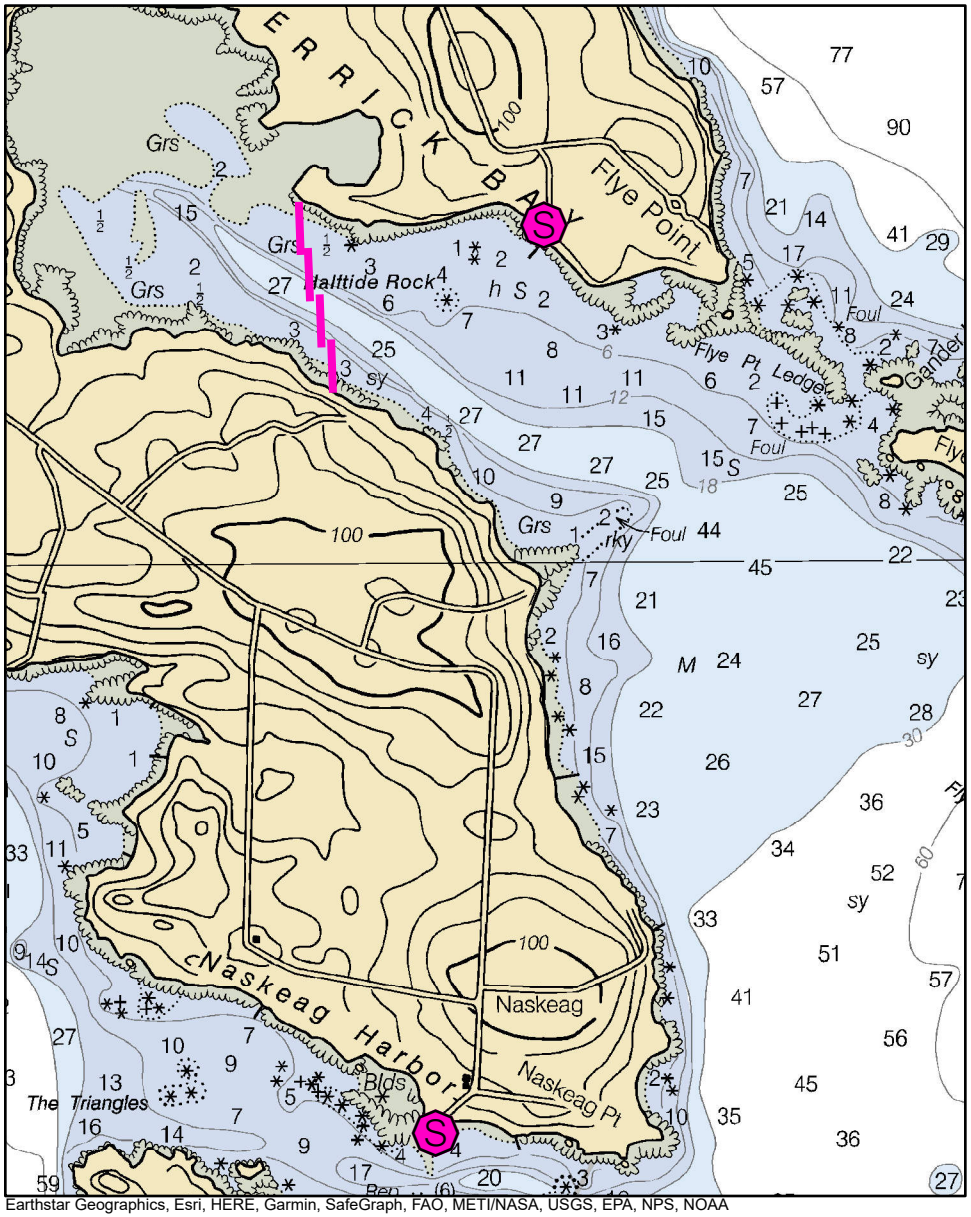
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Earthstar Geographics, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NOAA

# C-28-1 Herrick Bay

**Town** Brooklin
**Latitude** 44° 15.612' N **Longitude** 68° 32.421' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Penobscot Bay
**NOAA Chart #** 13316_1
**ESI Map #** 27B, 27A
**EVI Map #** 60, 55, 59, 54
**DeLorme Map # (2019)** 15 C5

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)
**ESI Secondary Shoreline Type** Coarse grained sand beach (4)

**Environmental Concerns** Herrick Bay contains shorebird habitat, shellfish and marine worm beds and is used by rafting birds in fall.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert oil from upper Herrick Bay

**Staging Areas** Atlantic Boat Company, 355 Flye Point Rd, Brooklin has pier and ramp (probably part-tide). (207) 359-4658 for information / permission.
Naskeag Harbor has a firm gravel ramp used by commercial fisherman at Naskeag Point Road in Brooklin.

**Site Access** By boat from Atlantic Boat Company or Naskeag Point

**Nearest Boat Ramp** Atlantic Boat Company or Naskeag Point Road (see staging areas)

**Collection Points** Possibly from land at north end of boom on Flye Point. Aerial photography shows road leading to point.

**Special Instructions** Area is shallow and utilizes a lot of boom. Check on other possibly higher priorities before committing resources.

**Work Assignment** Place four 600 foot lengths of boom across Herrick Bay

## Recommended Equipment / Resources

**Length of Boom (feet)** 2400

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
6 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 1/10/2019 **Last Field Visit** **Last Field Test:**

# C-29-1

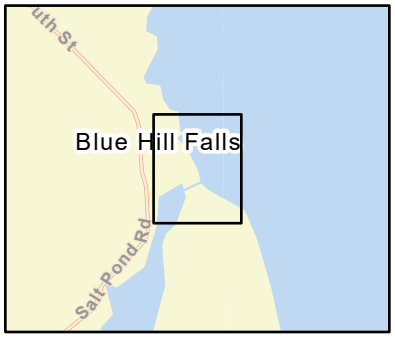
## Salt Pond / Canary Cove

## Blue Hill, ME

0 925 1,850 Feet

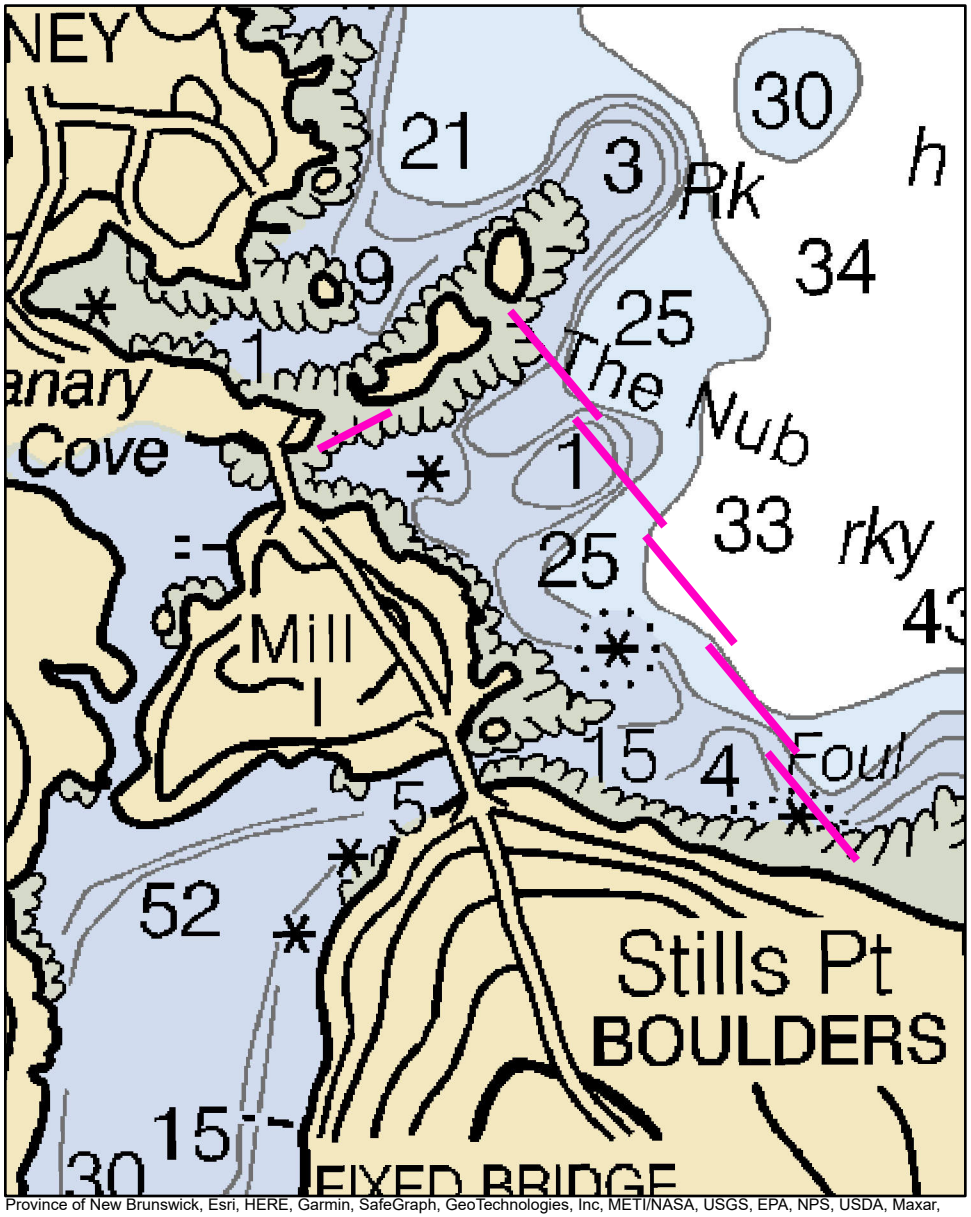
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Province of New Brunswick, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# C-29-1 Salt Pond / Canary Cove

**Town** Blue Hill
**Latitude** 44° 22.593' N **Longitude** 68° 33.393
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Penobscot Bay
**NOAA Chart #** 13316_1
**ESI Map #** 22B
**EVI Map #** 59
**DeLorme Map # (2019)** 15 B5

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)
**ESI Secondary Shoreline Type** Mixed sand and gravel beaches (5)

**Environmental Concerns** Sheltered tidal flats, shorebirds, marine worms and shellfish beds. Diadromous fish, aquaculture

**Archaeological Conflicts** Utilize boulder or tree anchors for western end of northwestern boom. Avoid southern end of Mill Island. Deviations will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To exclude oil from Salt Pond -- SEE SPECIAL INSTRUCTIONS

**Staging Areas** May be able to pull boom from road or adjacent private property at slacker tides. Would have to close road.

**Site Access** Possibly from road or adjacent private property at 158 Falls Bridge Road, Blue Hill

**Nearest Boat Ramp** All tide trailerable ramp at South Blue Hill Wharf, approx. 1.5 miles south on Falls Bridge Road (Rte. 175).

**Collection Points** Strategy purpose is exclusion.

**Special Instructions** At maximum currents (mid-tide), current is known to be rapids. Unsure whether this strategy is feasible considering the current in the vicinity. Use caution.

**Work Assignment** Place five 500 foot lengths of boom in a chevron formation across the entrances to Canary Cove and Salt Pond. Place one 300 foot length of boom as shown across secondary connection to Canary Cove.

## Recommended Equipment / Resources

**Length of Boom (feet)** 2800 **Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
7 - anchor systems: 40 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
4 - shoreside connections
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 1/11/2019 **Last Field Visit** **Last Field Test:**

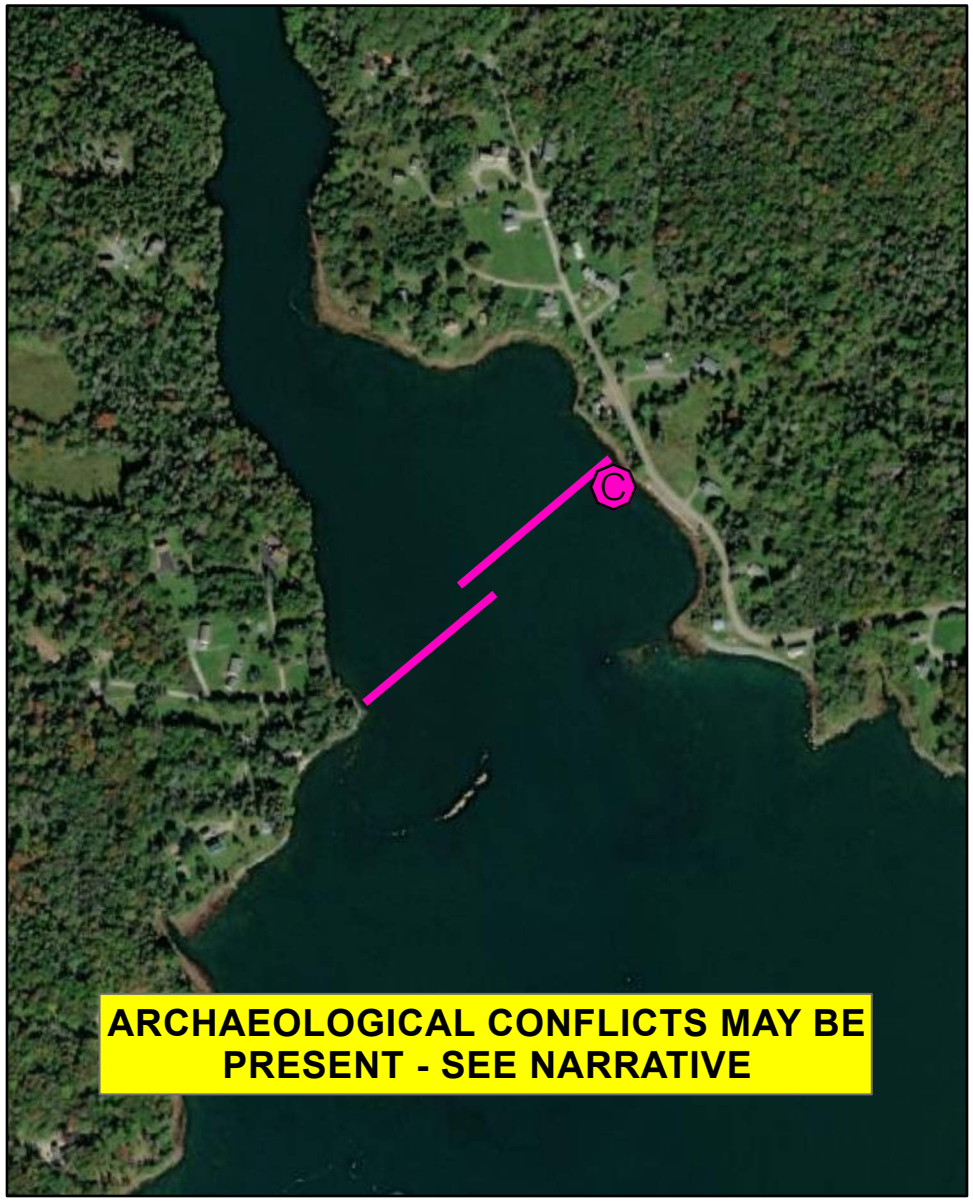
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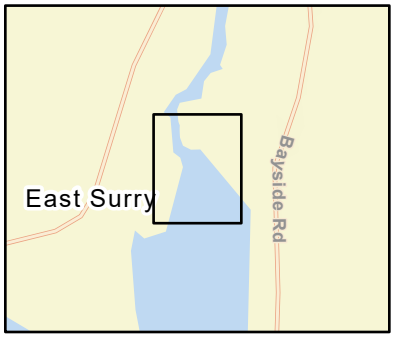
## Union River

## Surry / Ellsworth, ME

0 725 1,450 Feet

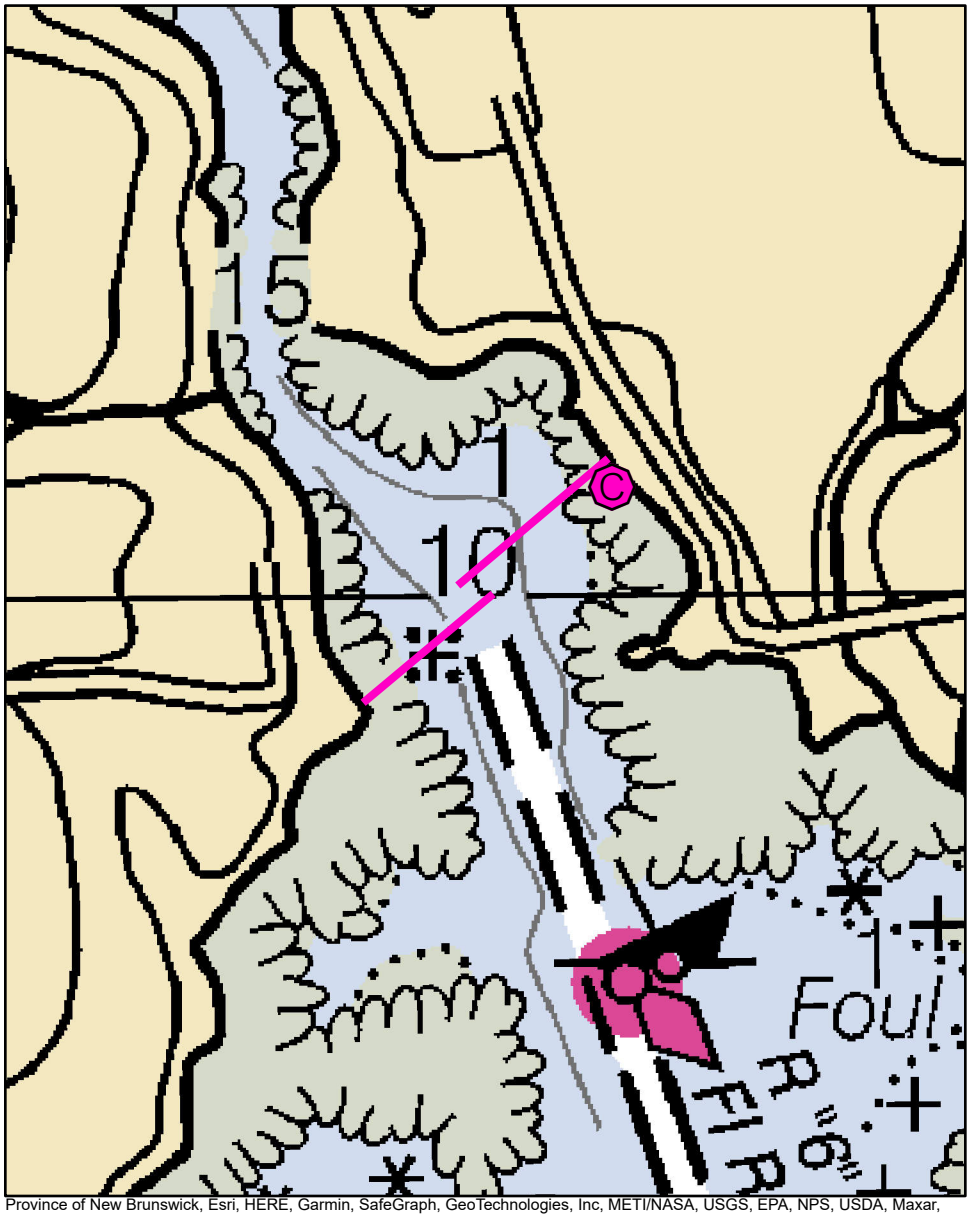
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Province of New Brunswick, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# C-30-1 Union River

**Town** Surry / Ellsworth
**Latitude** 44° 30.005' N **Longitude** 68° 25.827' W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Penobscot Bay
**NOAA Chart #** 13316_1
**ESI Map #** 21B, 15B
**EVI Map #** 67
**DeLorme Map # (2019)** 16 A1; 24 E1

## Resources At Risk

**ESI Primary Shoreline Type** Mixed sand and gravel beaches (5)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Upper Union River has elver and diadromous fish runs. Sensitive plant species in upper river.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert oil from Upper Union River

**Staging Areas** Ellsworth boat launch or along Spindle Road in Ellsworth

**Site Access** Vicinity of 91 Spindle Road in Ellsworth. Road is adjacent to river

**Nearest Boat Ramp** Ellsworth Harbor Park & Marina (all tide)

**Collection Points** Spindle Road, Ellsworth. Road would need to be at least partially closed.

**Special Instructions** May need assistance with road closure

**Work Assignment** Place two 500 foot lengths of boom across Union River

## Recommended Equipment / Resources

**Length of Boom (feet)** 1000

**Type of Boom** 12: - 18" containment boom

**Recommended Equipment (Minimum)**

2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 1/11/2019 **Last Field Visit** **Last Field Test:**

# C-31-1

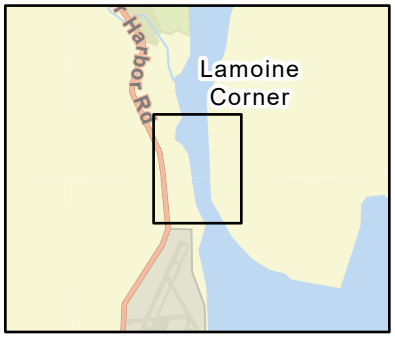
## Jordan River

## Trenton / Lamoine, ME

0 1,000 2,000 Feet

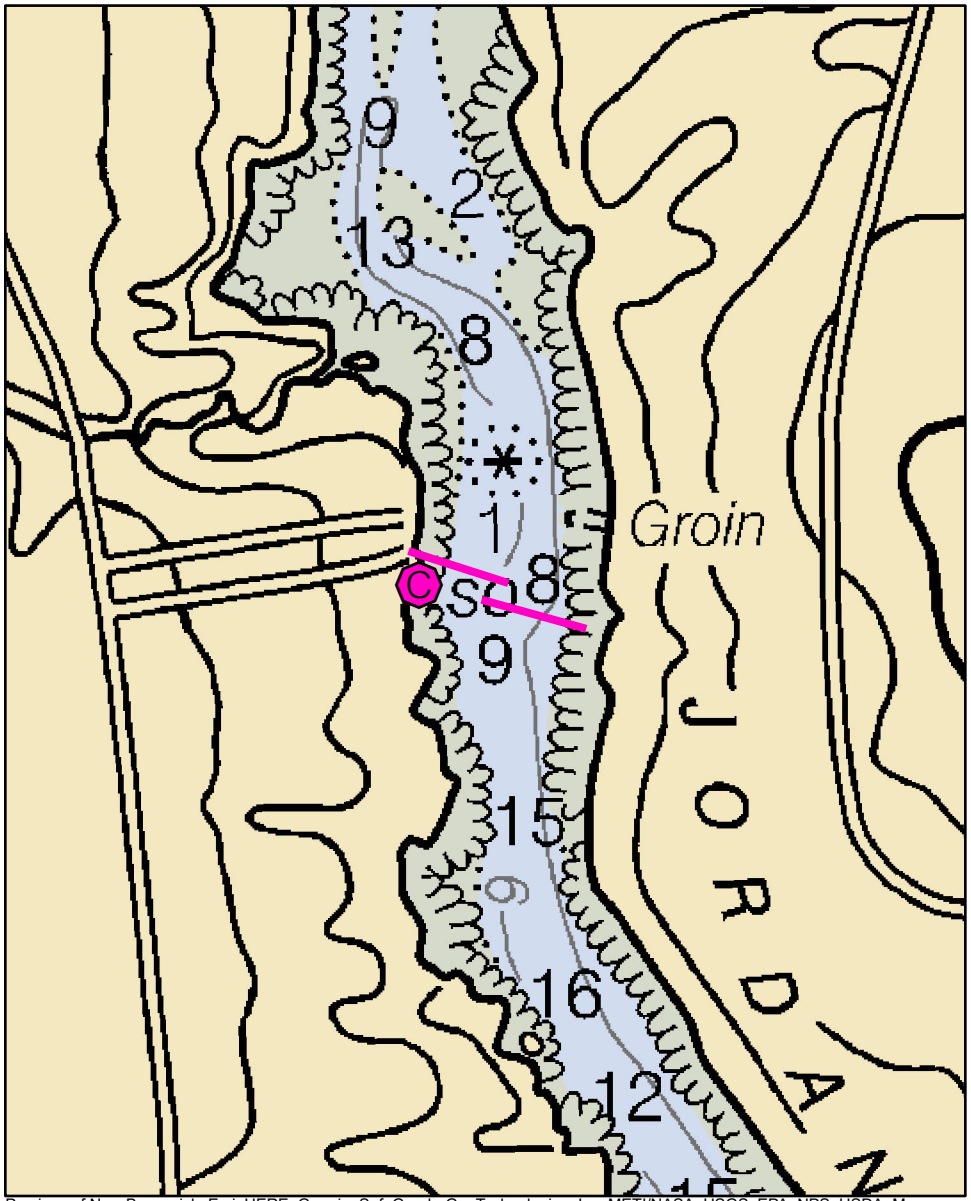
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Province of New Brunswick, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# C-31-1 Jordan River

**Town** Trenton / Lamoine
**Latitude** 44° 28.007 N **Longitude** 68° 21.347 W
**Approx. Tidal Range (feet)** 10
**Max Current (knots)** **Flood** < 1 knot **Ebb**
**Source** Local knowledge estimate

**Port Region** Penobscot Bay
**NOAA Chart #** 13318_1
**ESI Map #** 21A
**EVI Map #** 68
**DeLorme Map # (2019)** 16 A2

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered tidal flats (9A)
**ESI Secondary Shoreline Type** Vegetated low banks (9B)

**Environmental Concerns** Tidal flats in upper river -- shellfish beds, elver run and shorebird habitat

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To divert oil from upper Jordan River

**Staging Areas** Morris Yachts production facility, 27 Ramp Road, Trenton, ME. (207) 244-5509 for information/permission. Adjacent to Hancock Co. airport at mouth of river.

**Site Access** By water or possibly could pull boom from private residence near 727 Bar Harbor Road, Ellsworth at west end of boom.

**Nearest Boat Ramp** Morris Yachts production facility at mouth of river. See staging areas info.

**Collection Points** Trenton -- house on river with retaining wall near 727 Bar Harbor Road, Ellsworth

**Special Instructions** Shallow water conditions

**Work Assignment** Deploy two 500 foot lengths of harbor boom across Jordan River. Possible collection from house with retaining wall on west side of river near 727 Bar Harbor Road, Ellsworth

## Recommended Equipment / Resources

**Length of Boom (feet)** 1000

**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**

2- anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 1/11/2019 **Last Field Visit** **Last Field Test:**

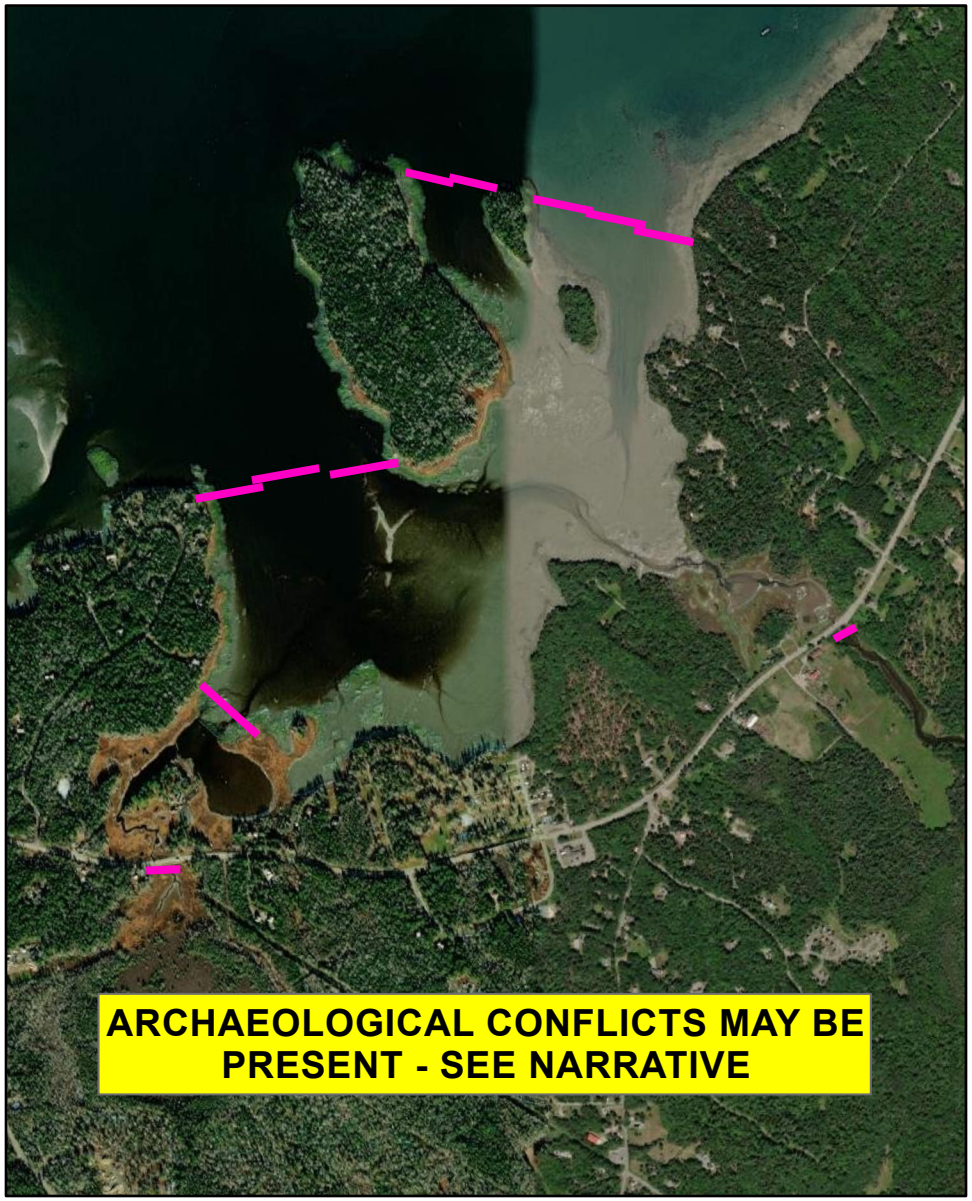
# C-32-1

## Mount Desert Narrows / Thomas Bay

## Bar Harbor, ME

0 2,000 4,000 Feet

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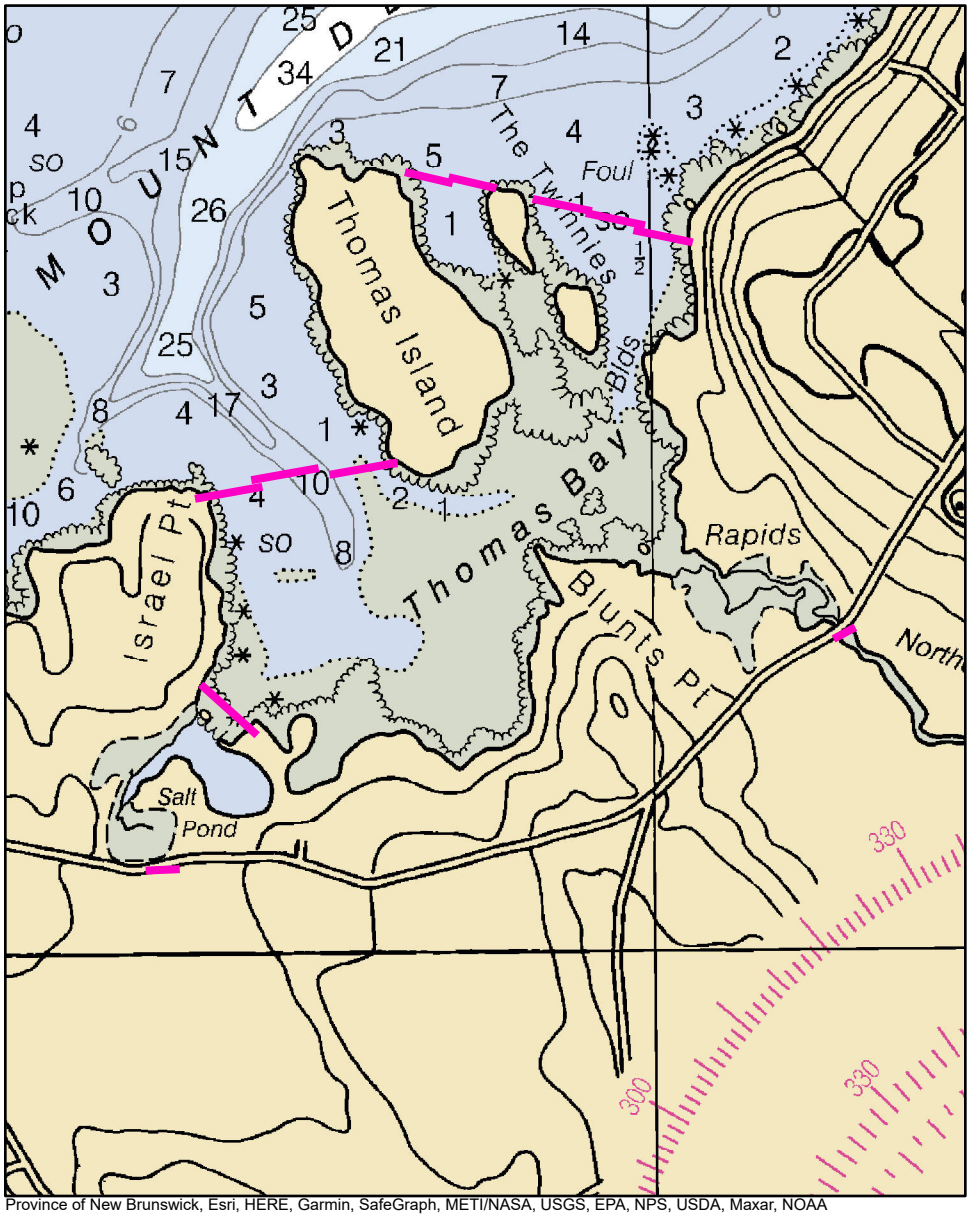






**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Province of New Brunswick, Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# C-32-1 Mount Desert Narrows / Thomas Bay

**Town** Bar Harbor
**Latitude** 44° 25.275' N **Longitude** 68° 20.77' W
**Approx. Tidal Range (feet)** 11
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Penobscot Bay
**NOAA Chart #** 13318_1
**ESI Map #** 21A
**EVI Map #** 68
**DeLorme Map # (2019)** 16 A2, A3

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)

**ESI Secondary Shoreline Type**

**Environmental Concerns** Salt marsh and brackish marsh at Northeast Creek and Jones Marsh. Thomas Bay is important rafting bird area and shorebird habitat, with eelgrass beds and bald eagle nesting sites. Sheltered tidal flats and shellfish beds. Acadia National Park owns land to the east of Route 3 on Northeast Creek.

**Archaeological Conflicts** Use rock or tree straps on southern end of Thomas Island. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** Primary strategy is to exclude oil from Northeast Creek (beyond Thomas Island) and Jones Marsh (near Salt Pond). This strategy also protects the rest of Thomas Bay.

**Staging Areas** Morris Yachts production facility, 27 Ramp Road, Trenton, ME. (207) 244-5509 for information/permission. Adjacent to Hancock Co. airport at mouth of Jordan River.

**Site Access** By water from Morris Yachts

**Nearest Boat Ramp** Morris Yachts production facility, 27 Ramp Road, Trenton, ME. (207) 244-5509 for information/permission. Adjacent to Hancock Co. airport at mouth of Jordan River.

**Collection Points** N/A. Strategy is exclusion.

**Special Instructions** Significant amount of aquaculture leases within this area will make boom deployment difficult. Note that the Mount Desert Oceanarium owns a well serving their facility between Salt Pond and Route 3. Area to east of Route 3 on Northeast Creek is owned by Acadia National Park

**Work Assignment** This is a very large and difficult strategy. If #1 is not possible, try #2 as a much lesser alternative:

1. Exclude from Thomas Bay. Place three 600 foot lengths of boom across from Thomas Island west to Israel Point. Boom access to Salt Pond with 600 feet of boom. Place two 400 foot lengths of boom spanning between Thomas Island to the Twinnies and three 500 foot sections on to the east, joining the west side of Mount Desert Island.

2. Place 200 feet of boom across Northeast Creek on the east side of Route 3, and 250 feet of boom across Jones Marsh on the east side of Route 3 upstream of the Salt Pond.

## Recommended Equipment / Resources

**Length of Boom (feet)** 5600

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

Primary (#1):

10 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
8- shoreside connections
4 - workboats with minimum 90 hp
4 - boat operators / 8 laborers

Secondary (#2):

4 - shoreside connections
4 laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 1/11/2019 **Last Field Visit** **Last Field Test:**

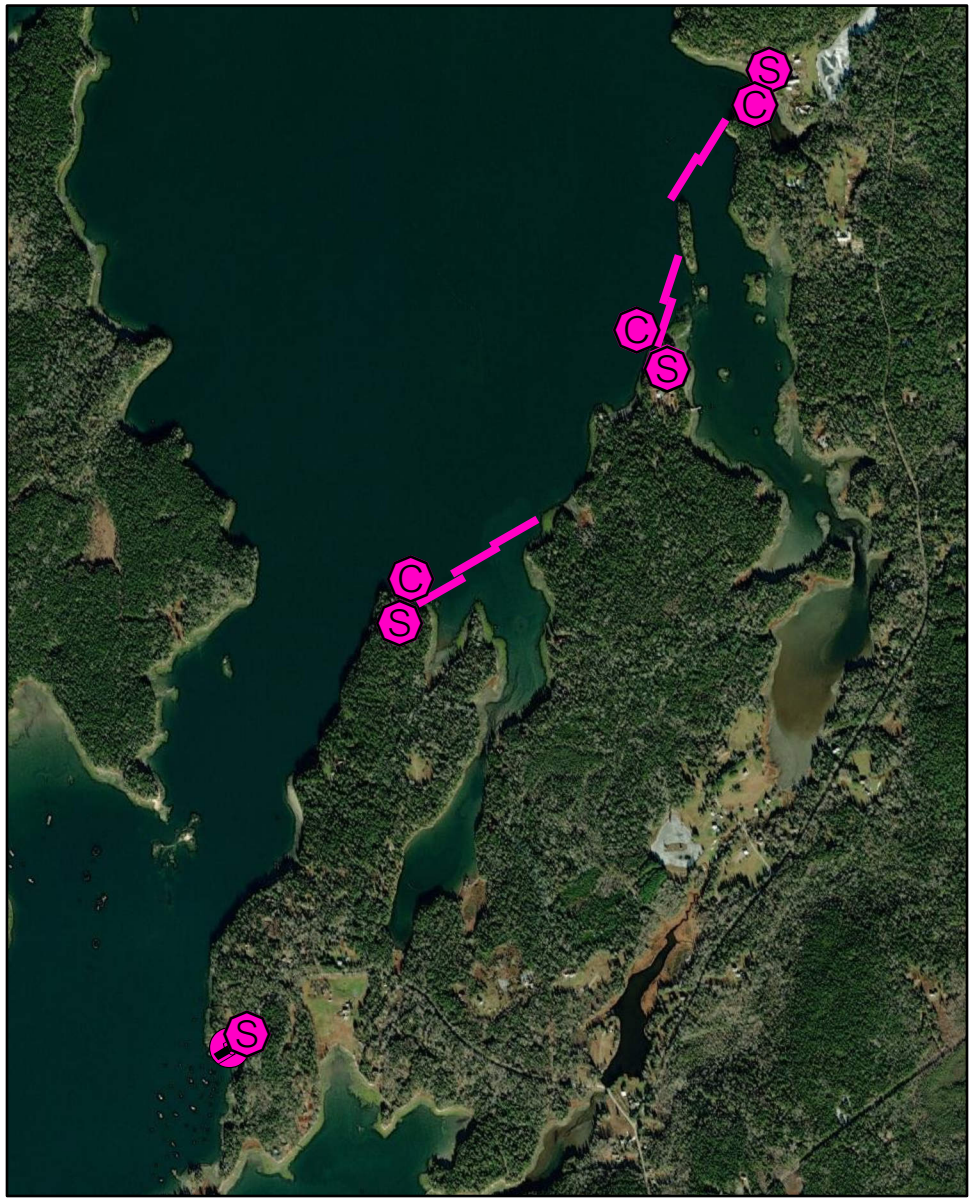
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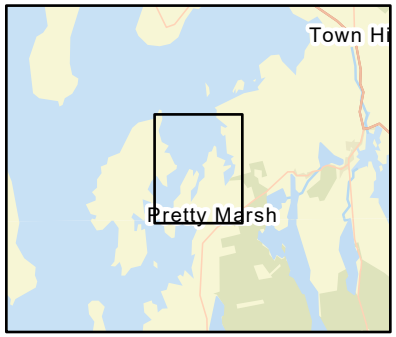
## Bartlett Narrows: Squid & Mill Coves

## Mount Desert, ME

0 2,500 5,000 Feet

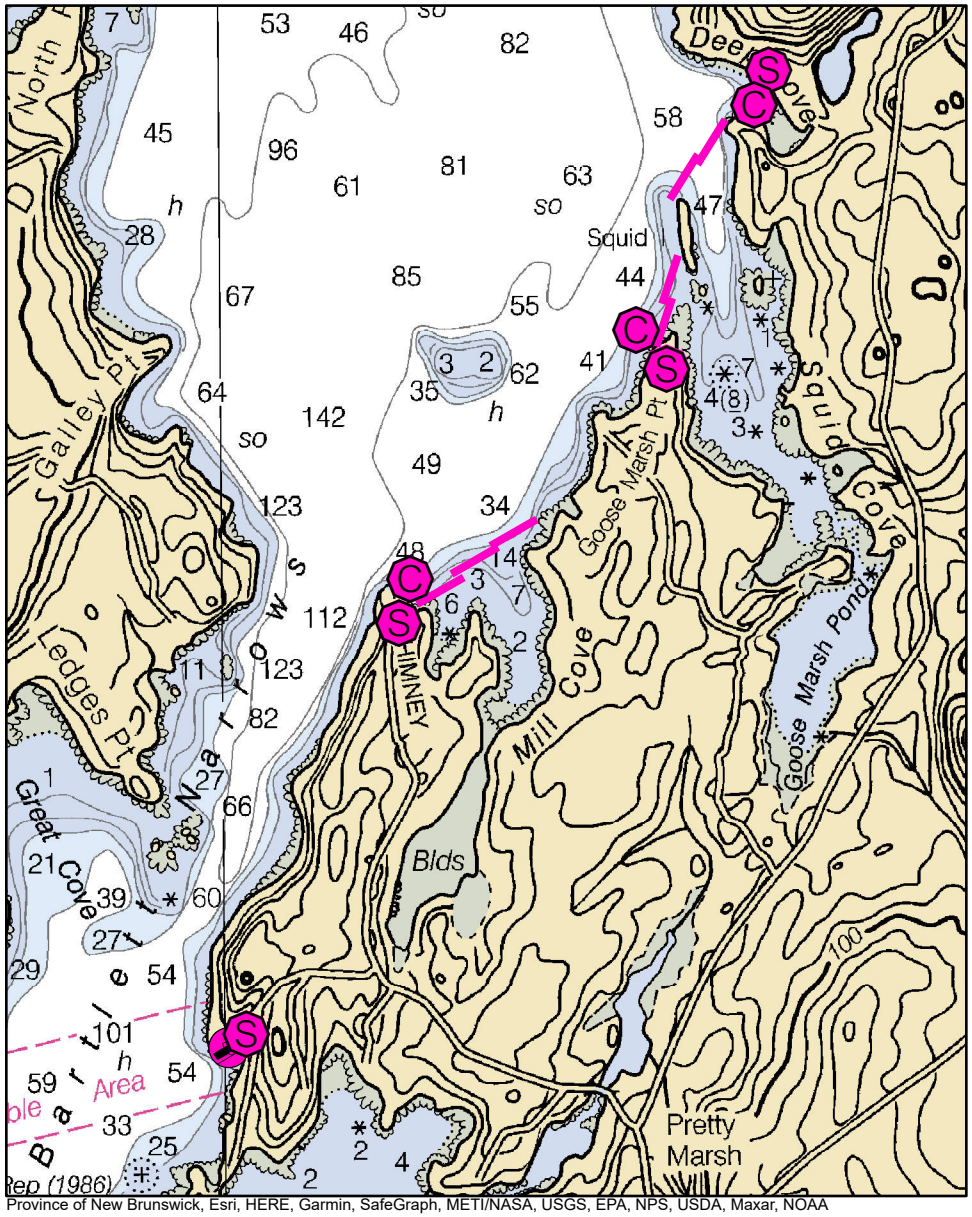
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Province of New Brunswick, Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# C-33-1 Bartlett Narrows: Squid & Mill Coves

**Town** Mount Desert
**Latitude** 44° 21.552' N **Longitude** 68° 24.226' W
**Approx. Tidal Range (feet)** 11
**Max Current (knots)** **Flood** < 1 knot **Ebb**
**Source** Local knowledge estimate

**Port Region** Penobscot Bay
**NOAA Chart #** 13316_1
**ESI Map #** 21D
**EVI Map #** 61, 60
**DeLorme Map # (2019)** 16 B2

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)

**ESI Secondary Shoreline Type**

**Environmental Concerns** Salt marsh, tidal flats, shellfish habitat and shorebird areas. Squid Island is a seabird nesting area (terns - SC species).

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To divert oil from Squid and Mill Coves. Squid Cove, especially between Squid Island and Deep Cove, is higher priority than Mill.

**Staging Areas** Could possibly pull boom from private residence at Deep Cove: 673 Indian Point Road, or residence at Goose Marsh Point at southern end of strategy: 12 Grace Point Lane. Acadia National Park has an easement on this property.

Mill Cove: Could possibly pull boom from buildings at 49 Narrows Road, Mount Desert. Acadia National Park has an easement on this property.

**Site Access** By water from Bartlett Narrows boat launch, Bartlett Landing Road, Mount Desert

**Nearest Boat Ramp** Trailerable all tide ramp at Bartlett Narrows launch, Bartlet Landing Road. Bartlett Island ferry / barge: private barge maintained by Rockefeller Estates on Bartlett Island.

**Collection Points** Squid Cove: Possibly natural collection at Deep Cove or from residence at south end (Grace Point Lane). Acadia National Park has an easement on this property.

Mill Cove: Possibly from building at SW end: 49 Narrows Road, Mount Desert. Acadia National Park has an easement on this property.

**Special Instructions** Contact Acadia National Park: Bob Bechtold, Park Environmental and Safety Program Coordinator: 207-888-8752 or 207-664-8814 after hours. National Park Service numbers: 888-614-0672 or 888-809-7095.

**Work Assignment** Squid Cove: Place two 500 foot lengths of boom between Squid Island and Mt. Desert shoreline to the south (Acadia National Park has an easement on this property) and two 500 foot lengths of boom between Squid Island and the shoreline near Deep Cove.

Mill Cove: Cascade three lengths of 500 feet of boom across the entrance to Mill Cove

## Recommended Equipment / Resources

**Length of Boom (feet)** 3500

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

Squid Cove:
4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
4 - shoreside connections / 4 laborers
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp/2 op

Mill Cove:
4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connections / 4 laborers
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp/2 op

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 1/16/2019 **Last Field Visit** **Last Field Test:**

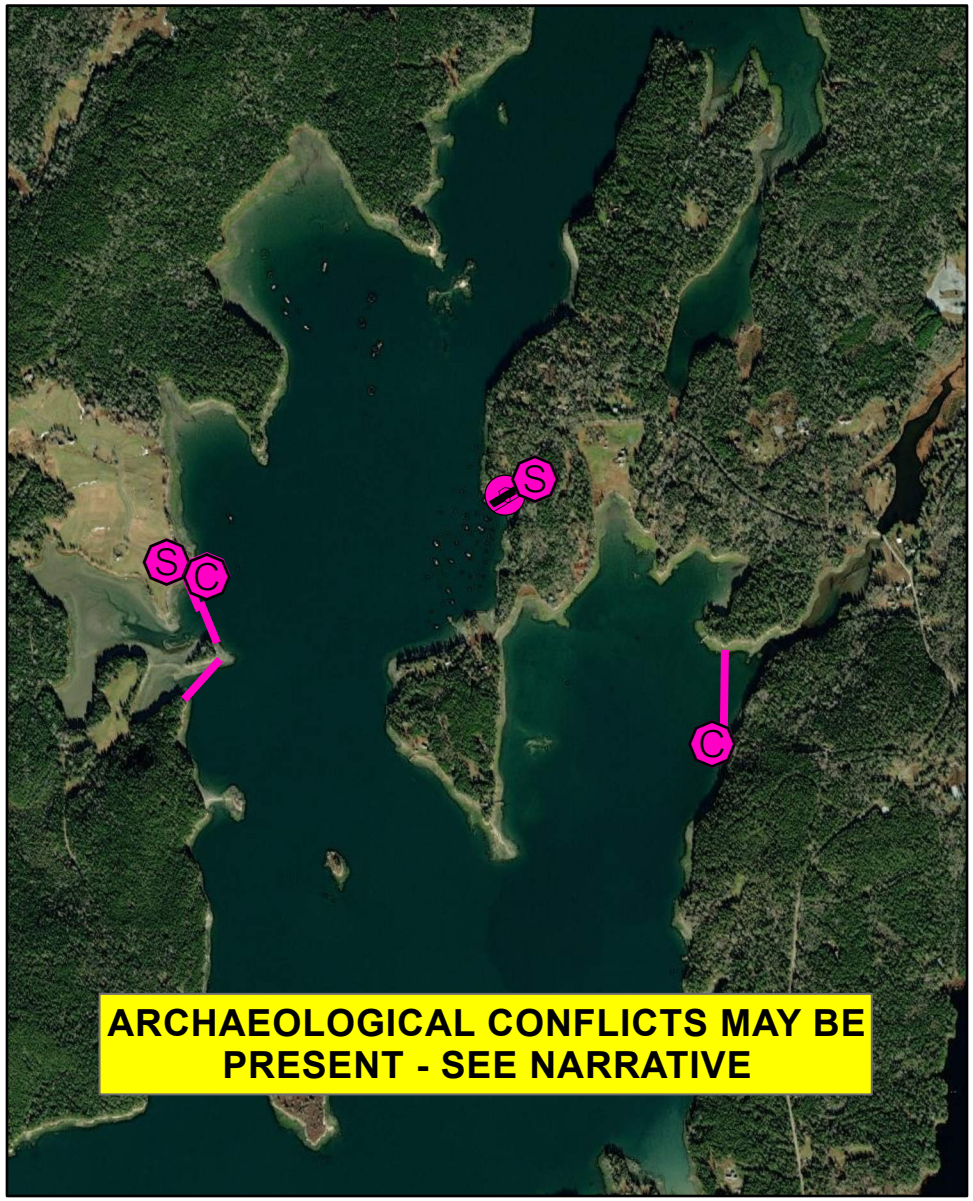
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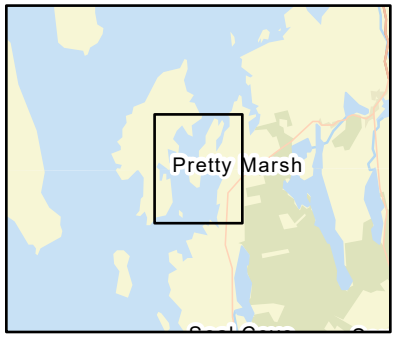
## Bartlett Narrows: Pretty Marsh Harbor & Birch Cove

## Mount Desert, ME

0 2,500 5,000 Feet

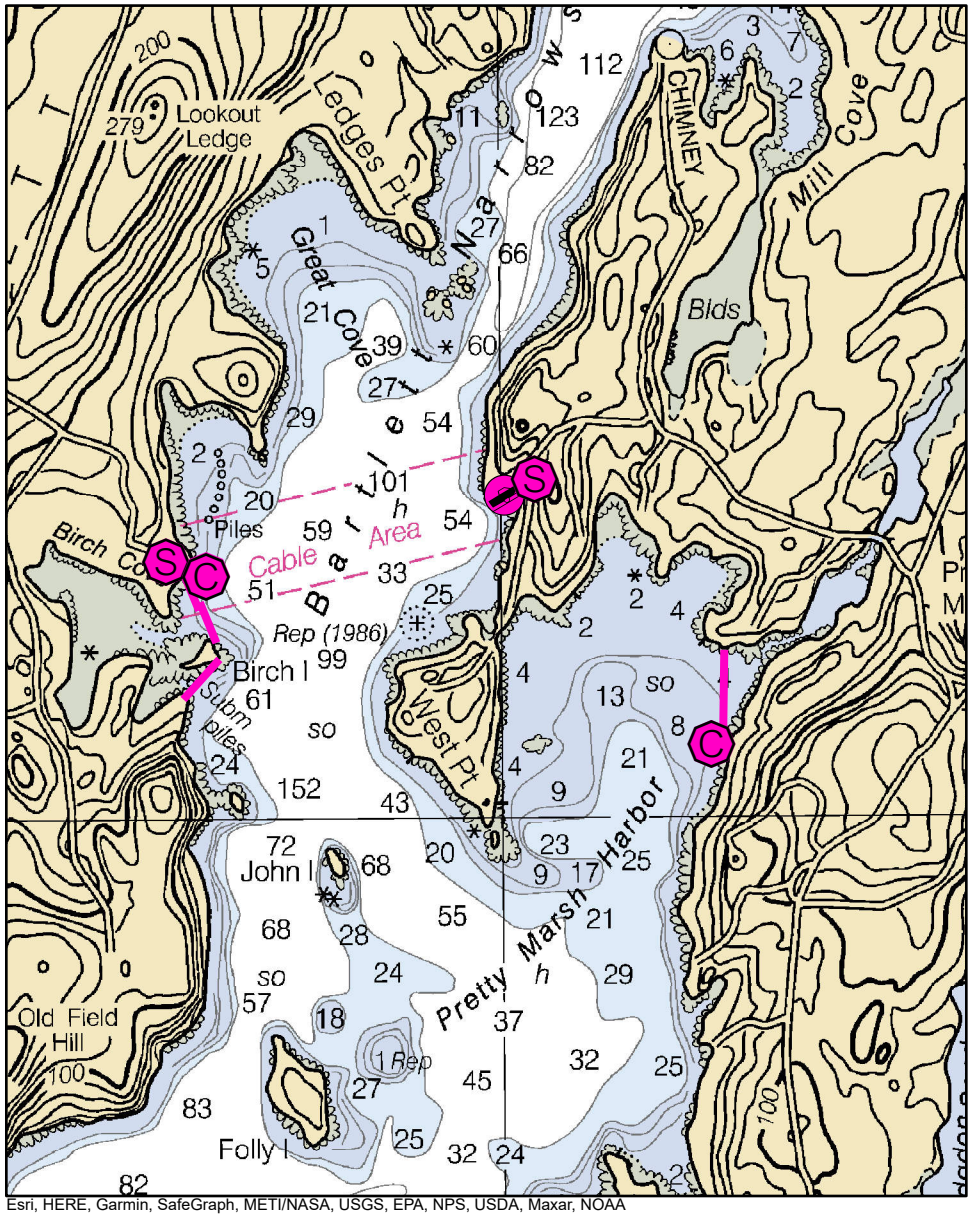
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# C-33-2 Bartlett Narrows: Pretty Marsh Harbor & Birch Cove

**Town** Mount Desert
**Latitude** 44° 20.211' N **Longitude** 68° 24.548' W
**Approx. Tidal Range (feet)** 11
**Max Current (knots)** **Flood** < 1 knot **Ebb**
**Source** Local knowledge estimate

**Port Region** Penobscot Bay
**NOAA Chart #** 13316_1
**ESI Map #** 21D
**EVI Map #** 60, 61
**DeLorme Map # (2019)** 16 B2

## Resources At Risk

**ESI Primary Shoreline Type** Mixed sand and gravel beaches (5)
**ESI Secondary Shoreline Type** Exposed tidal flats (7)

**Environmental Concerns** Salt marsh, sheltered flats, eelgrass, shellfish beds

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To exclude / divert oil from inner Pretty Marsh Harbor, which is first priority. Secondary strategy is to exclude / divert oil from Birch Cove.

**Staging Areas** Bartlett Narrows boat launch, Bartlett Landing Road, Mount Desert or private landing on Bartlett Island owned by Rockefeller family.

**Site Access** Bartlett Narrows boat launch or private landing on Bartlett Island

**Nearest Boat Ramp** Same as staging areas

**Collection Points** Pretty Marsh Harbor: Primary purpose is exclusion, but aerial photo shows a building on the shoreline at the southern end of the strategy. Nearest address: 37 Tc North, Mount Desert

Birch Cove: Possibly from private boat launch on Bartlett Island. Southern piece of boom is exclusion only.

**Special Instructions** Caution with submerged pilings and cable area on Birch Cove

**Work Assignment** Place two 500 foot lengths of boom across inner Pretty Marsh Harbor.

Place two 400 foot lengths of boom from Birch Island to northern shoreline of Birch Cove. Note cable area on chart. Place a 500 foot length of boom from Birch Island to southern shoreline. Note submerged piles on chart.

## Recommended Equipment / Resources

**Length of Boom (feet)** 2300 **Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**

Pretty Marsh Harbor:
2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

Birch Cove:
2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 1/16/2019 **Last Field Visit** **Last Field Test:**

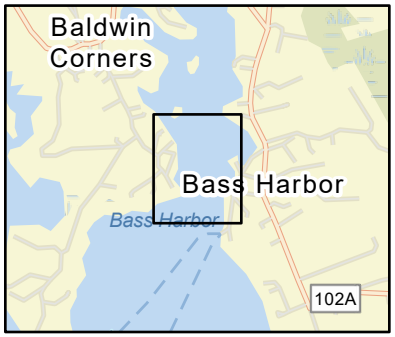
# C-34-1

## Bass Harbor

## Tremont, ME

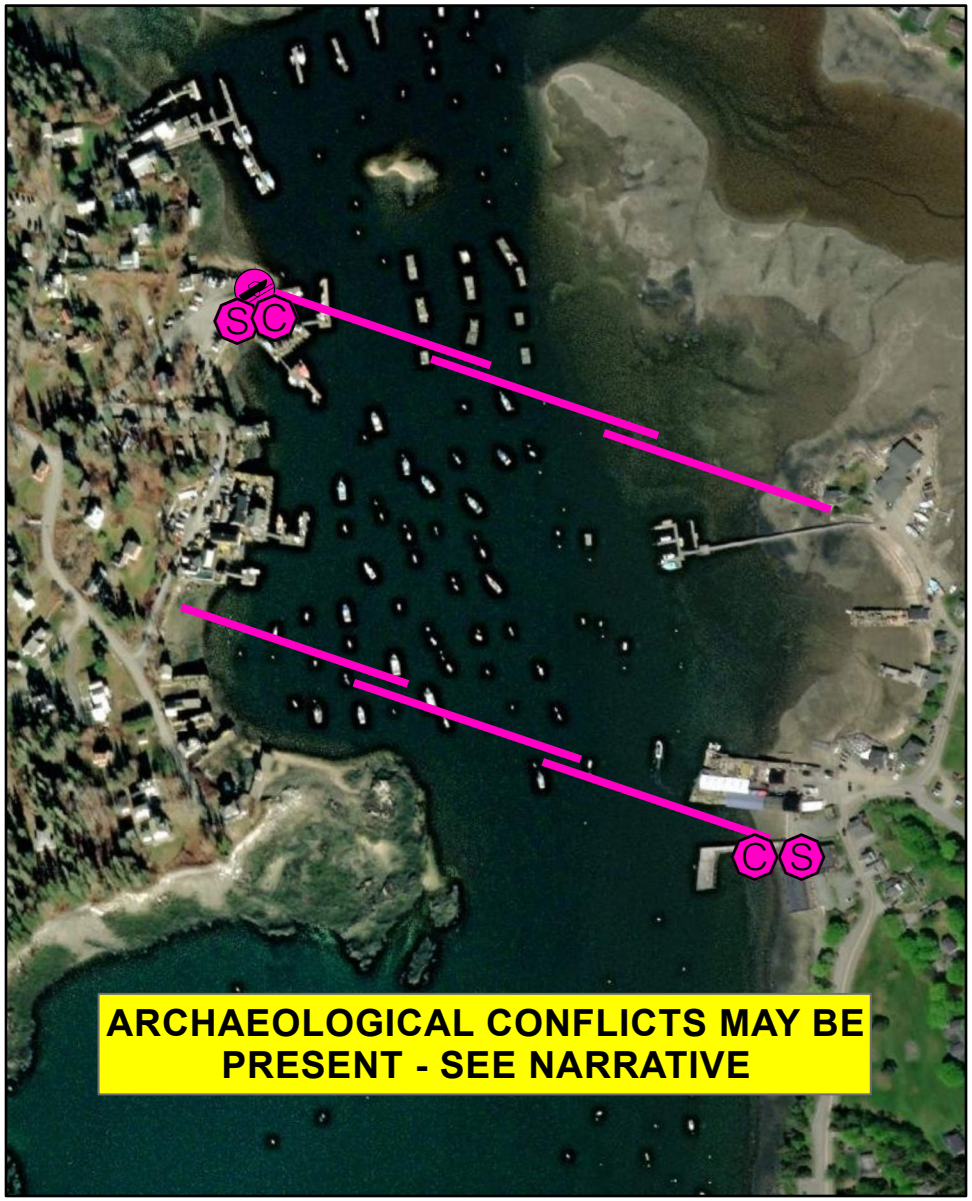
0 520 1,040 Feet

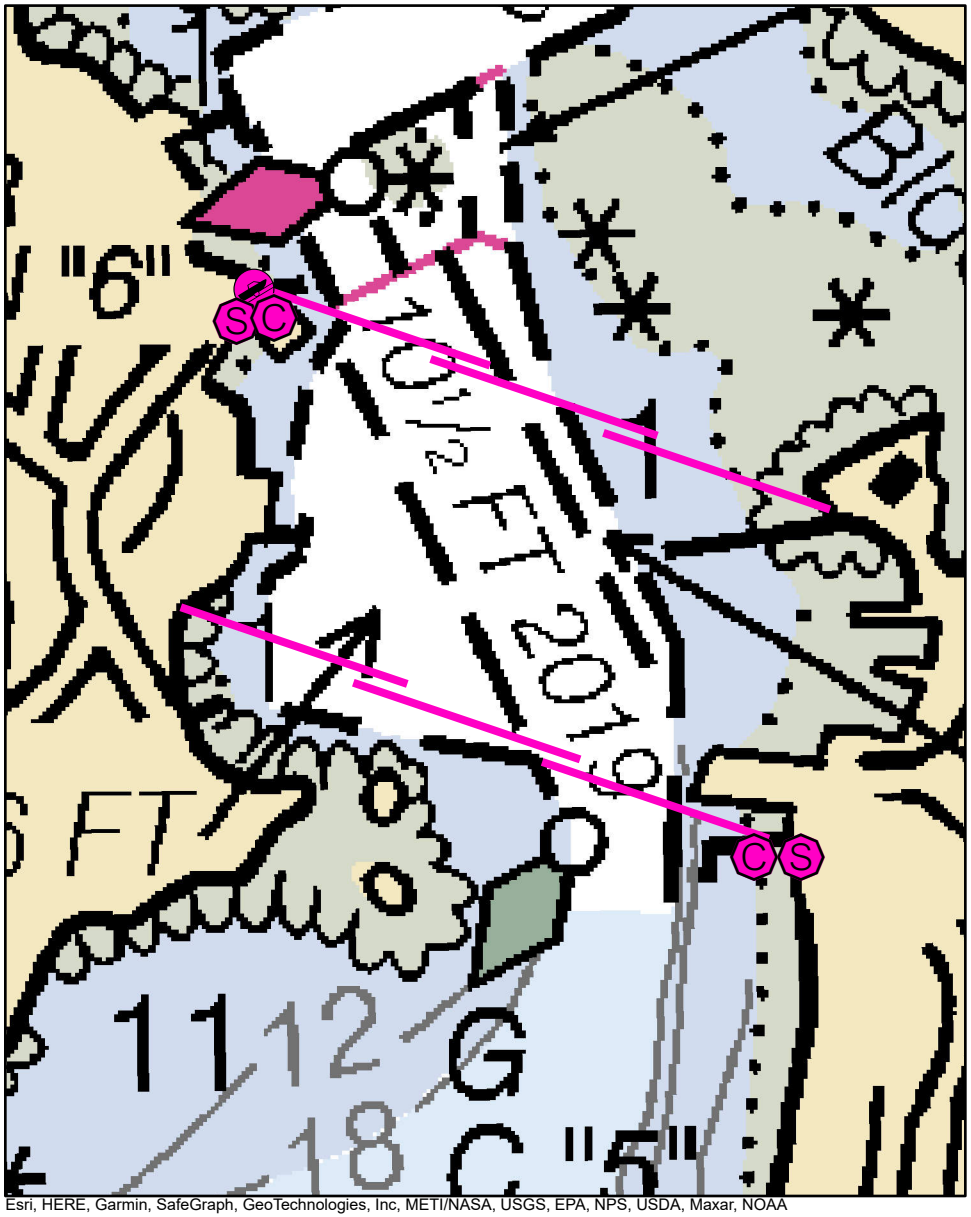
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# C-34-1 Bass Harbor

**Town** Tremont
**Latitude** 44° 14.298' N **Longitude** 68° 21.024' W
**Approx. Tidal Range (feet)** 11
**Max Current (knots)** **Flood** >1 knot **Ebb**
**Source** Local knowledge estimate

**Port Region** Penobscot Bay
**NOAA Chart #** 13316_1
**ESI Map #** 26B
**EVI Map #** 56
**DeLorme Map # (2019)** 16 D2

## Resources At Risk

**ESI Primary Shoreline Type** Exposed tidal flats (7)
**ESI Secondary Shoreline Type** Vegetated low banks (9B)

**Environmental Concerns** Bass Harbor marsh of great concern to Acadia National Park. Vulnerable shorebird habitat. Diadromous fish, shellfish and eelgrass beds.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert oil from upper Bass Harbor and marsh

**Staging Areas** Tremont boat launch and town pier, Bernard Road, Tremont

**Site Access** By boat from Tremont boat launch and town pier. May also be able to pull boom from C.H. lobster wharf property at 29 Shore Road: (207) 244-3485 for information / permission.

**Nearest Boat Ramp** Tremont boat launch and town pier, Bernard Road, Tremont

**Collection Points** Thurston Road on west side and upstream of Tremont boat launch and town pier, Bernard Road, Tremont.

**Special Instructions** Contact Acadia National Park: Bob Bechtold, Park Environmental and Safety Program Coordinator: 207-888-8752 or 207-664-8814 after hours. National Park Service numbers: 888-614-0672 or 888-809-7095.

**Work Assignment** Primary: Place three 500 foot lengths of boom across the harbor from the north side of the C.H. Rich lobster wharf located at 29 Shore Road to the western shoreline.

Secondary: Place an additional three 500 foot lengths of boom (if moored boats permit) from the eastern shoreline near Island Cruises (12 Little Island Way, Tremont) to the Tremont boat launch and town pier on the western side of Bass Harbor

Water coming out of Bass Harbor estuary is too fast to boom at road. Sensitive marsh also to the west at inlet just north of Mitchell Cove but no apparent way to access / protect.

## Recommended Equipment / Resources

**Length of Boom (feet)** 3000

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

Primary:
4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

Secondary:
4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 1/17/2019 **Last Field Visit** 8/18/2008 **Last Field Test:**

# C-35-1

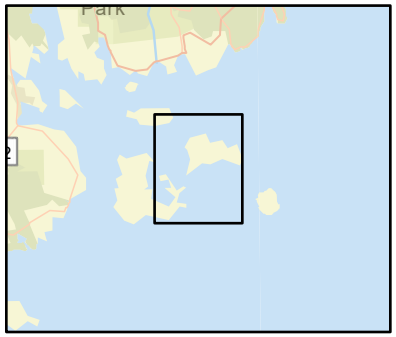
## Cranberry Islands

## Cranberry Isles, ME

0 2,500 5,000 Feet

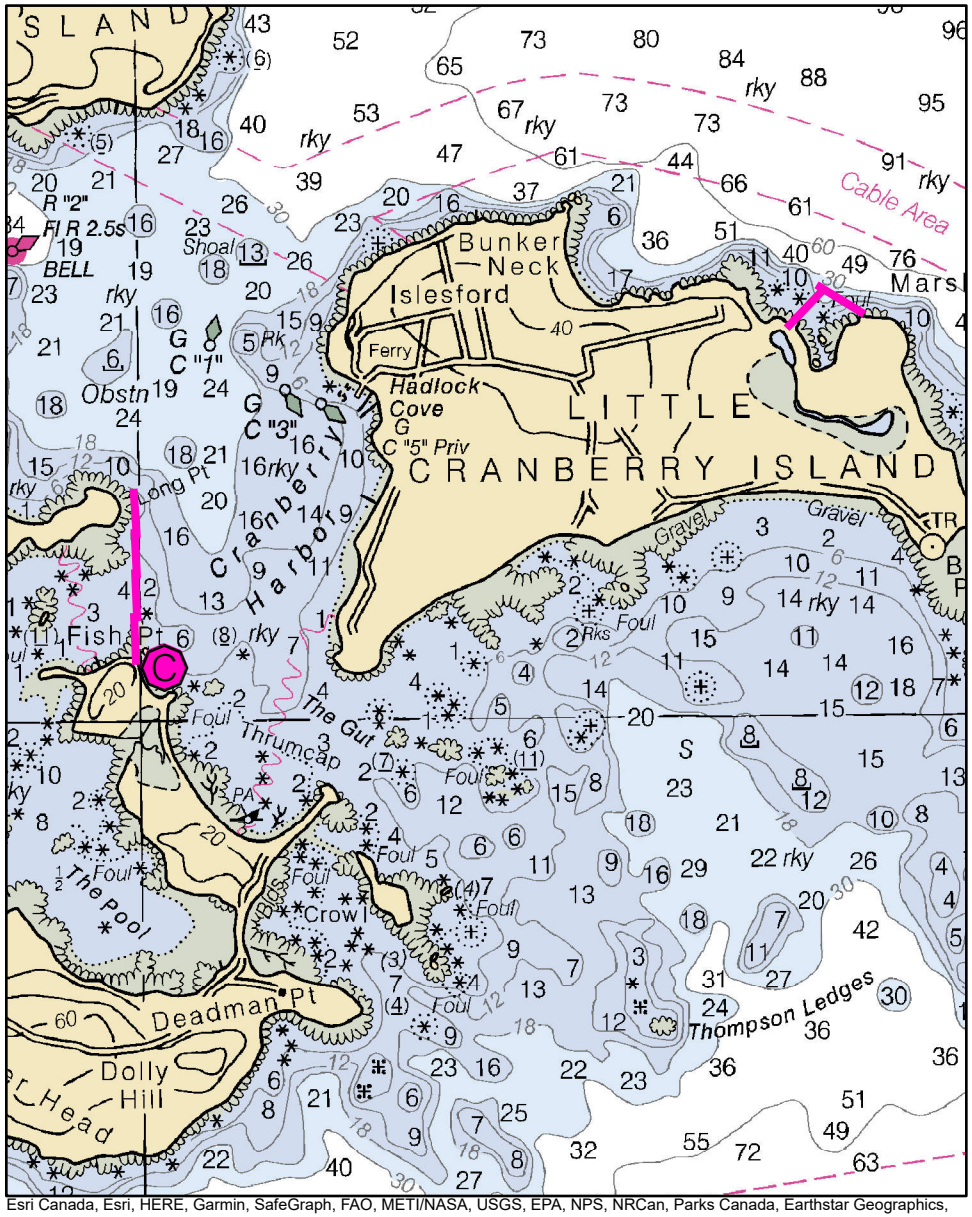
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada, Earthstar Geographics, NOAA

# C-35-1 Cranberry Islands

**Town** Cranberry Isles
**Latitude** 44° 15.198' N **Longitude** 68° 14.591' W
**Approx. Tidal Range (feet)** 11
**Max Current (knots)** **Flood** 1 knot **Ebb**
**Source** Local knowledge estimate

**Port Region** Penobscot Bay
**NOAA Chart #** 13318_1
**ESI Map #** 26A
**EVI Map #** 62, 57
**DeLorme Map # (2019)** 16 C3,C4,D3,D4

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)

**ESI Secondary Shoreline Type** Mixed sand and gravel beaches (5)

**Environmental Concerns** Marsh Head area has island's only salt marsh habitat. Both areas contain eelgrass, shellfish beds and shorebird habitat. The Pool is a federal coastal barrier resource area. Eagles nest and endangered plant recorded near Pool.

**Archaeological Conflicts** Great Cranberry: utilize boulder or tree anchors if possible on both north and south ends of boom spread. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** Primary objective is to divert oil from entering "the Pool" on Great Cranberry Island. Secondary objective is to block off the inlet to the marsh on Little Cranberry Island.

**Staging Areas** Great Cranberry: Town dock on Great Cranberry Road. Could probably also pull boom from here.
Little Cranberry: Town dock at 1 Main Street, Islesford. May be able to pull boom from here or closer to booming site from private residence at end of Bunker's Head Road.

**Site Access** See staging areas

**Nearest Boat Ramp** Southwest Harbor all tide boat ramp, Shore Road (Mount Desert mainland). Best access may be from Beal & Bunker barge service out of Northeast Harbor: (207) 244-3575

**Collection Points** Limited. Primarily exclusion. May be able to do some collection from sand and gravel area at south end of strategy for Great Cranberry Island.

**Special Instructions** Land adjacent to "The Pool" is owned by Acadia National Park. Contact Acadia National Park: Bob Bechtold, Park Environmental and Safety Program Coordinator: 207-888-8752 or 207-664-8814 after hours. National Park Service numbers: 888-614-0672 or 888-809-7095.

**Work Assignment** Great Cranberry: Deploy four 500 foot lengths of boom spanning from Fish Point to Long Point.
Little Cranberry: Protect the marsh on Little Cranberry Island's Marsh Head by placing two to four lengths of boom totaling 1200 feet in length alongshore to protect and exclude oil from entering the marsh. Difficult due to rocks in vicinity. Use caution.

## Recommended Equipment / Resources

**Length of Boom (feet)** 2800

**Type of Boom** 12" to 28" containment boom

**Recommended Equipment (Minimum)**

Great Cranberry Island:
6 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

Little Cranberry Island:
2 to 5 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connections
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 1/17/2019 **Last Field Visit** 8/18/2008 **Last Field Test:**

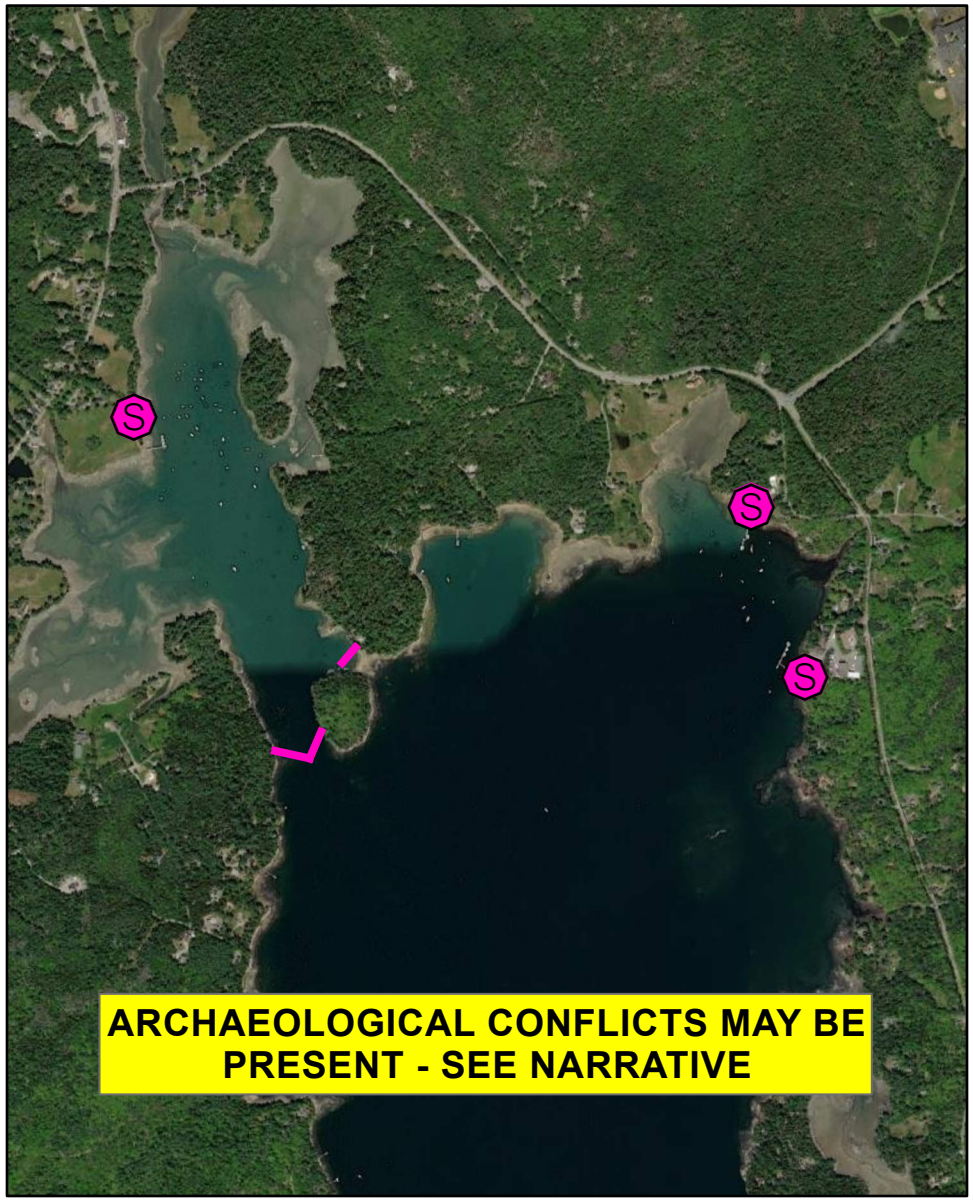
# C-36-1

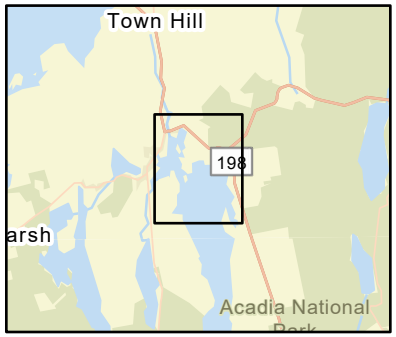
## Somes Harbor

## Mount Desert, ME

0 2,000 4,000 Feet

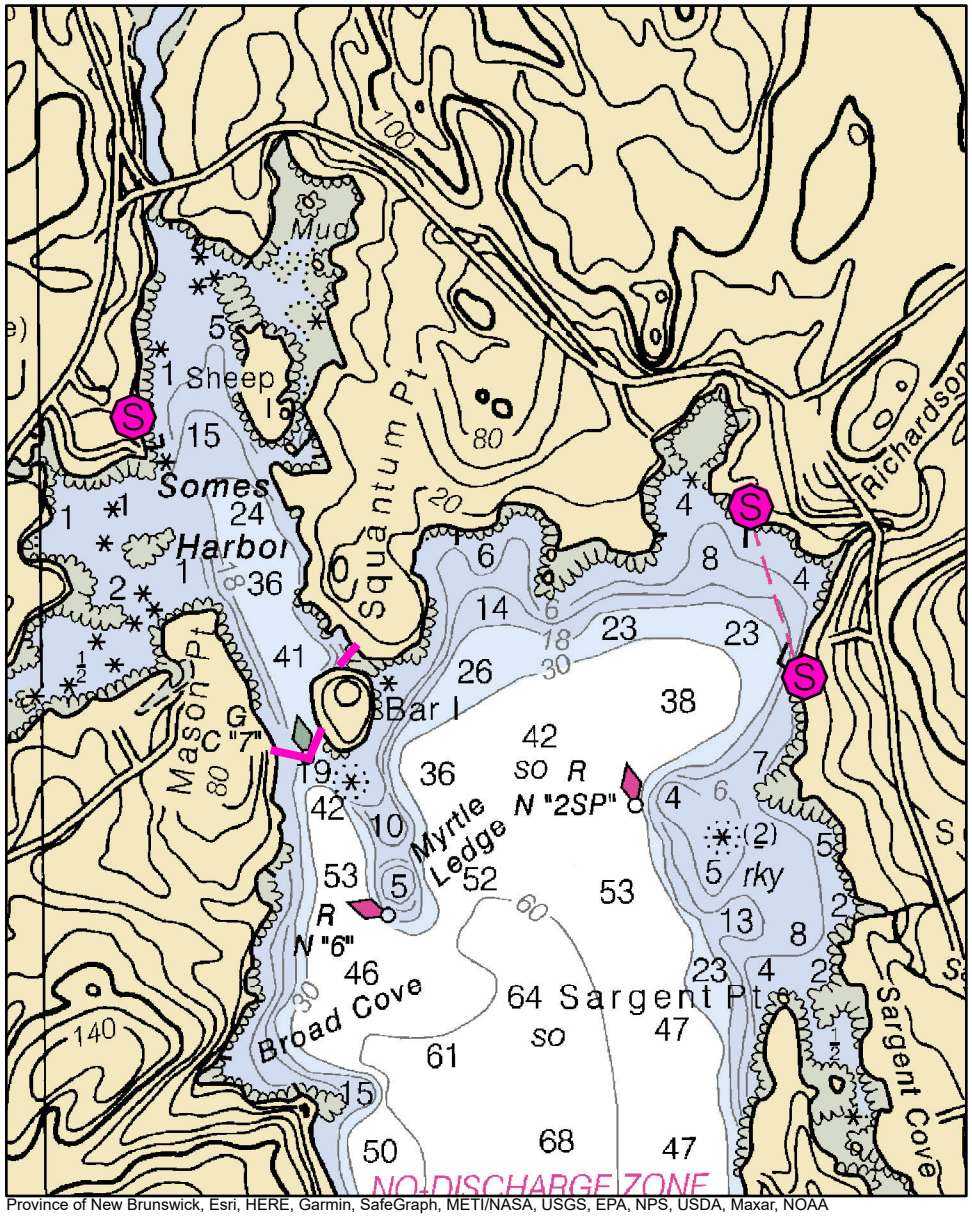
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Province of New Brunswick, Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# C-36-1 Somes Harbor

**Town** Mount Desert
**Latitude** 44° 21.285' N **Longitude** 68° 19.449' W
**Approx. Tidal Range (feet)** 11
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Penobscot Bay
**NOAA Chart #** 13318_1
**ESI Map #** 21C
**EVI Map #** 61
**DeLorme Map # (2019)** 16 B3

## Resources At Risk

**ESI Primary Shoreline Type** Vegetated low banks (9B)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Diadromous fish runs, elver runs and shellfish beds. Sheltered tidal flats and marsh. Eagle nest at Bar Island.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To exclude oil from Somes Harbor. Reverse direction for spill in harbor.

**Staging Areas** May be able to pull boom from Somesville town landing, Main Street, Somesville in harbor or from Abel's Lobster Pound, 20 Abel's Lane Mount Desert or Mount Desert Yacht Yard, 20 Butler Road, Mt. Desert.

**Site Access** See staging areas

**Nearest Boat Ramp** All tide launch at Southwest Harbor

**Collection Points** Exclusion. Possible on water skimming

**Special Instructions** Fishways at Somes Stream leading to Somes Pond maintained by Somes-Meynell Wildlife Sanctuary, 244-4027. Contact: David Lamon. Active restoration project for alewives here.

Contact Acadia National Park: Bob Bechtold, Park Environmental and Safety Program Coordinator: 207-888-8752 or 207-664-8814 after hours. National Park Service numbers: 888-614-0672 or 888-809-7095.

**Work Assignment** Place two 350 foot lengths of boom in chevron across Somes Harbor entrance with anchor in the vicinity of Green Can "7". Place 200 feet of boom inside the bar from Bar Island to Squantum Point.

## Recommended Equipment / Resources

**Length of Boom (feet)** 900 **Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
1 - anchor systems: 40 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
4 - shoreside connections
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 1/17/2019 **Last Field Visit** 7/2/2007 **Last Field Test:**

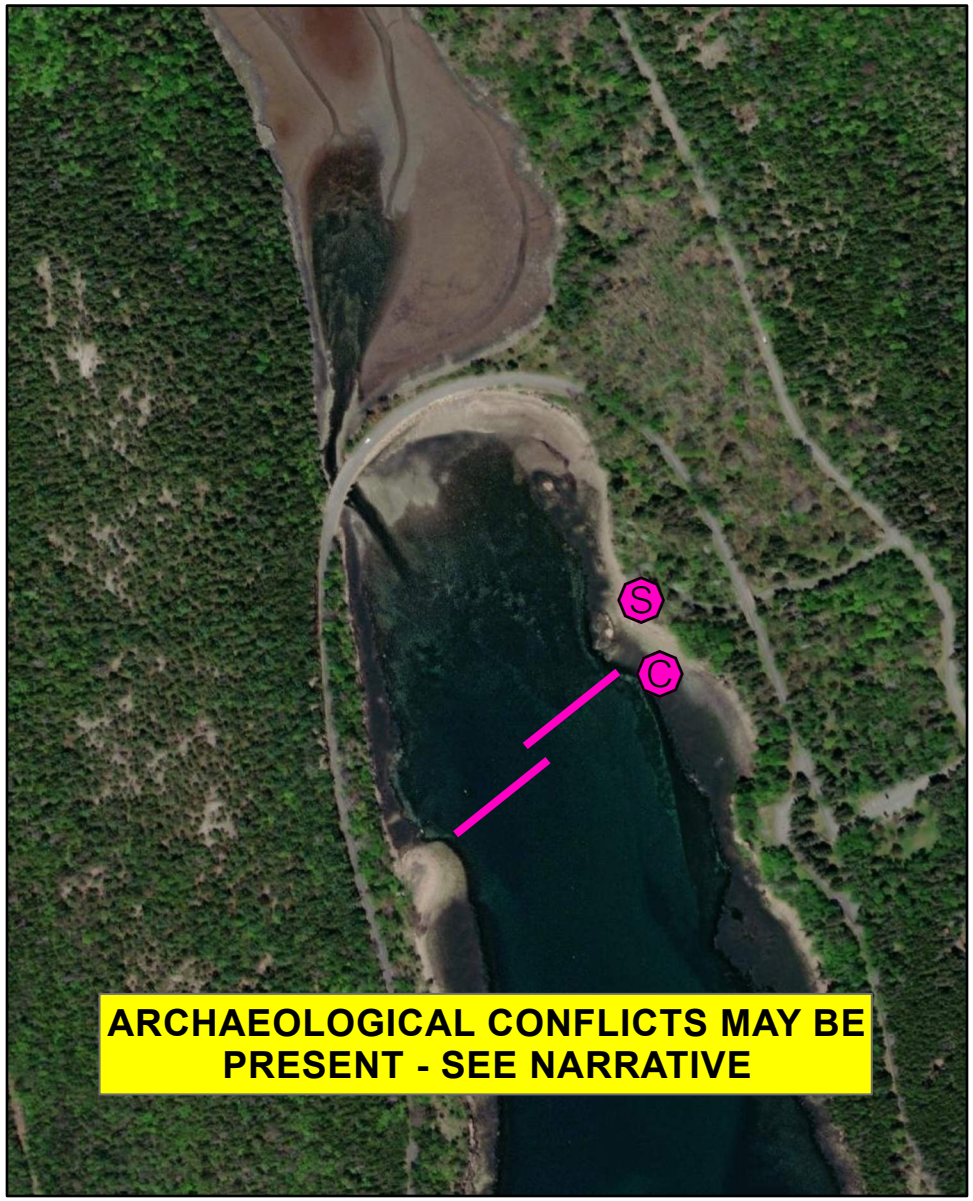
# C-37-1

## Lower Frenchman Cove / Otter Cove

## Mount Desert / Bar Harbor, ME

0 620 1,240 Feet

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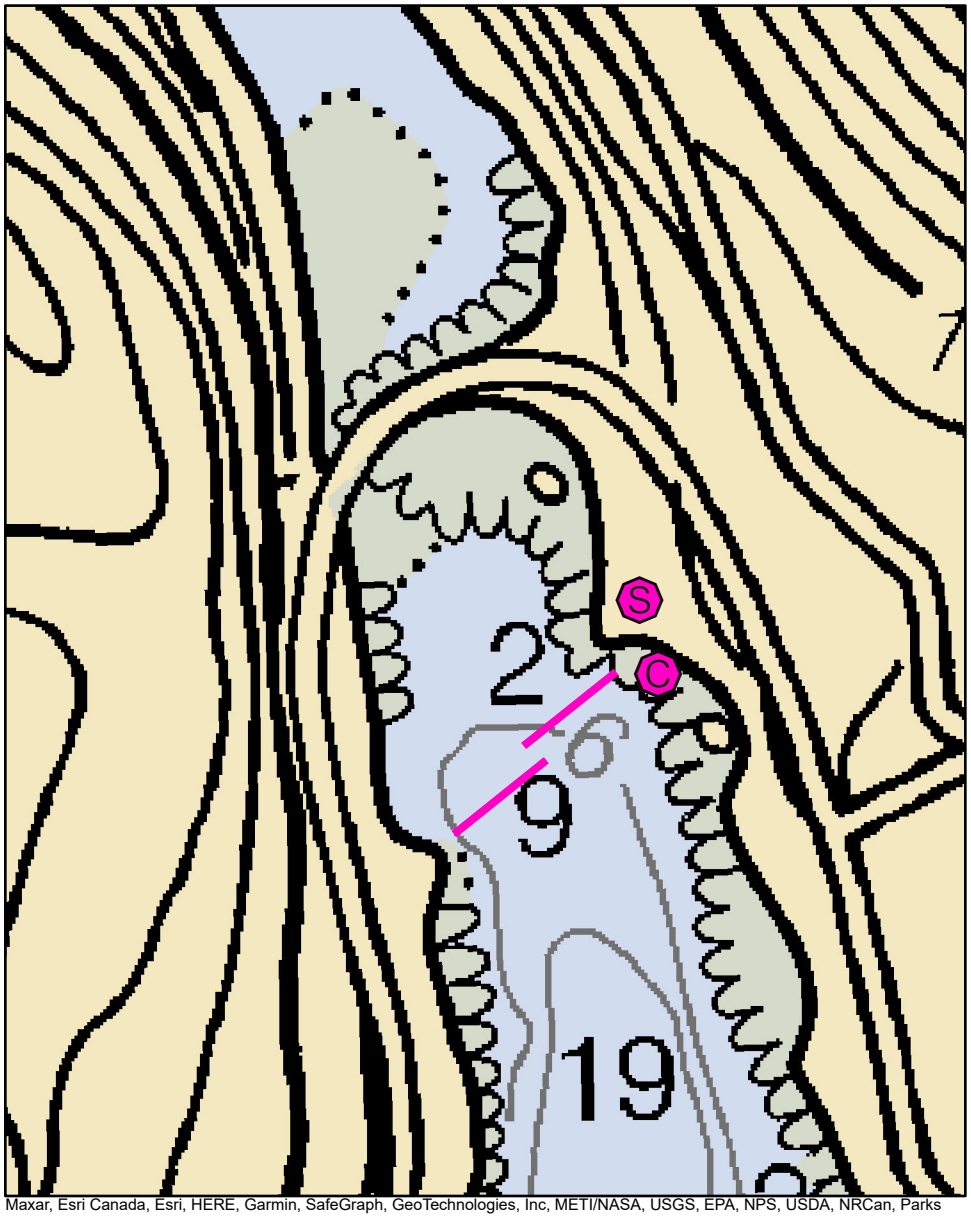






**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Maxar, Esri Canada, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, NRCan, Parks Canada, NOAA

# C-37-1 Lower Frenchman Bay / Otter Cove

**Town** Mount Desert / Bar Harbor
**Latitude** 44° 18.966' N **Longitude** 68° 11.886' W
**Approx. Tidal Range (feet)** 11
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Penobscot Bay
**NOAA Chart #** 13318_1
**ESI Map #** 20D
**EVI Map #** 62
**DeLorme Map # (2019)** 16 C4

## Resources At Risk

**ESI Primary Shoreline Type** Mixed sand and gravel beaches (5)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Harlequin duck wintering area. Vulnerable shorebird area. Shellfish and eelgrass.

**Archaeological Conflicts** Utilize developed pull-offs for staging area; minimize surface disturbance. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To prevent oil from entering upper Otter Cove

**Staging Areas** From road at Otter Creek bridge or turnout off of Otter Cliff Road in Bar Harbor at northeast end of boom

**Site Access** Same as staging areas

**Nearest Boat Ramp** Very small tide-dependent boat ramp off of Grover Ave in Mount Desert. Need to back trailer down. Nearest large boat ramp is in downtown Bar Harbor

**Collection Points** From turnout off of Otter Cliffs Road, Bar Harbor

**Special Instructions** Heavily visited area of Acadia National Park - habitat not crucial. Contact Acadia National Park: Bob Bechtold, Park Environmental and Safety Program Coordinator: 207-888-8752 or 207-664-8814 after hours. National Park Service numbers: 888-614-0672 or 888-809-7095.

**Work Assignment** Place two 400 foot sections of boom across Otter Cove outside of intertidal area

## Recommended Equipment / Resources

**Length of Boom (feet)** 800
**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
1 - workboats with minimum 90 hp
1 - boat operators
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 2/13/2019 **Last Field Visit** 7/2/2007 **Last Field Test:**

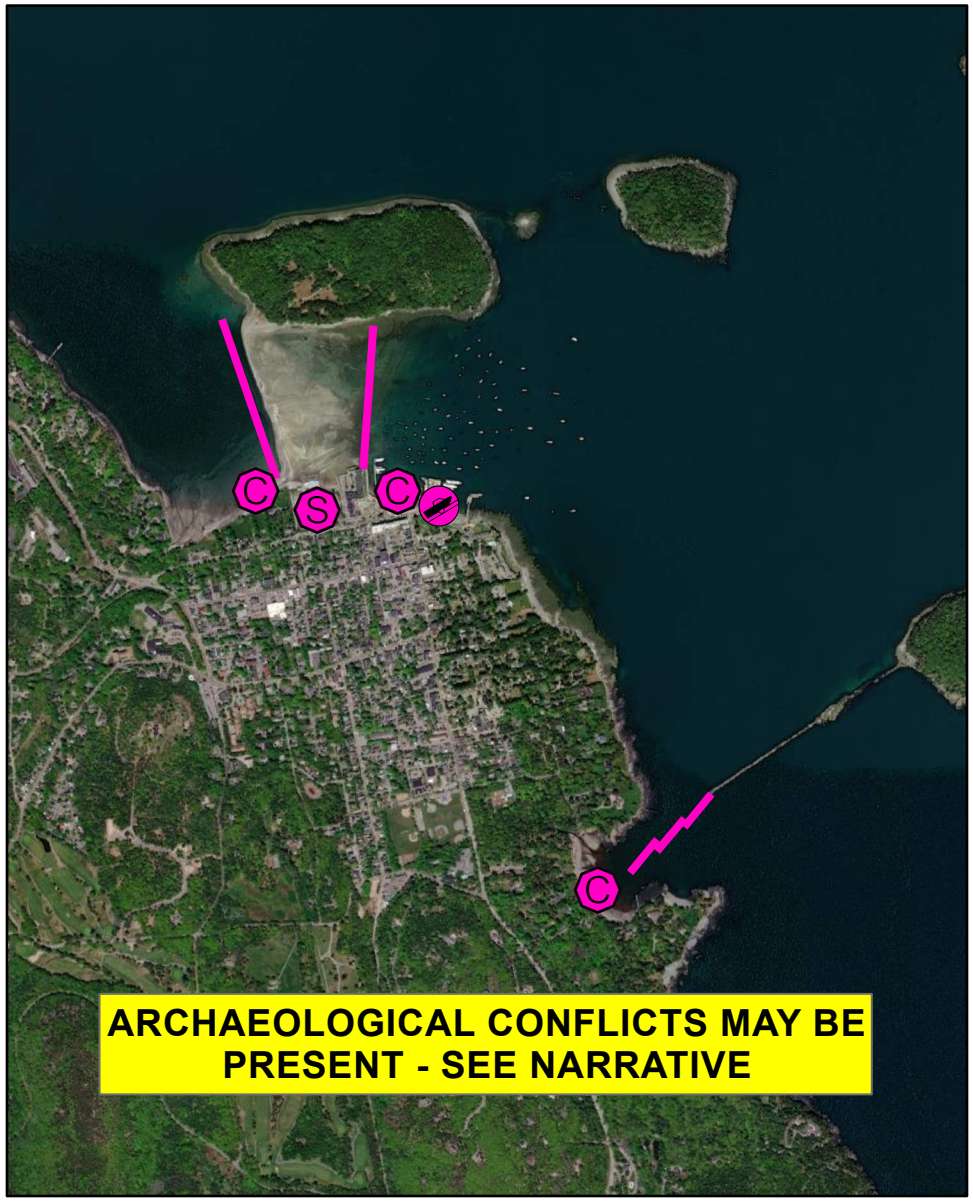
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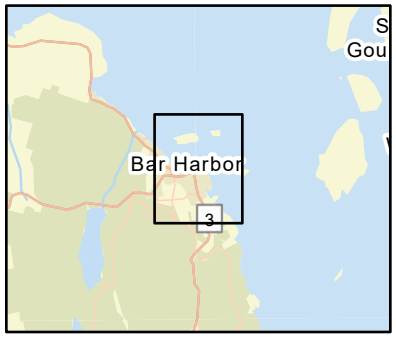
## Frenchman Bay / Bar Harbor

## Bar Harbor / Gouldsboro, ME

0 2,500 5,000 Feet

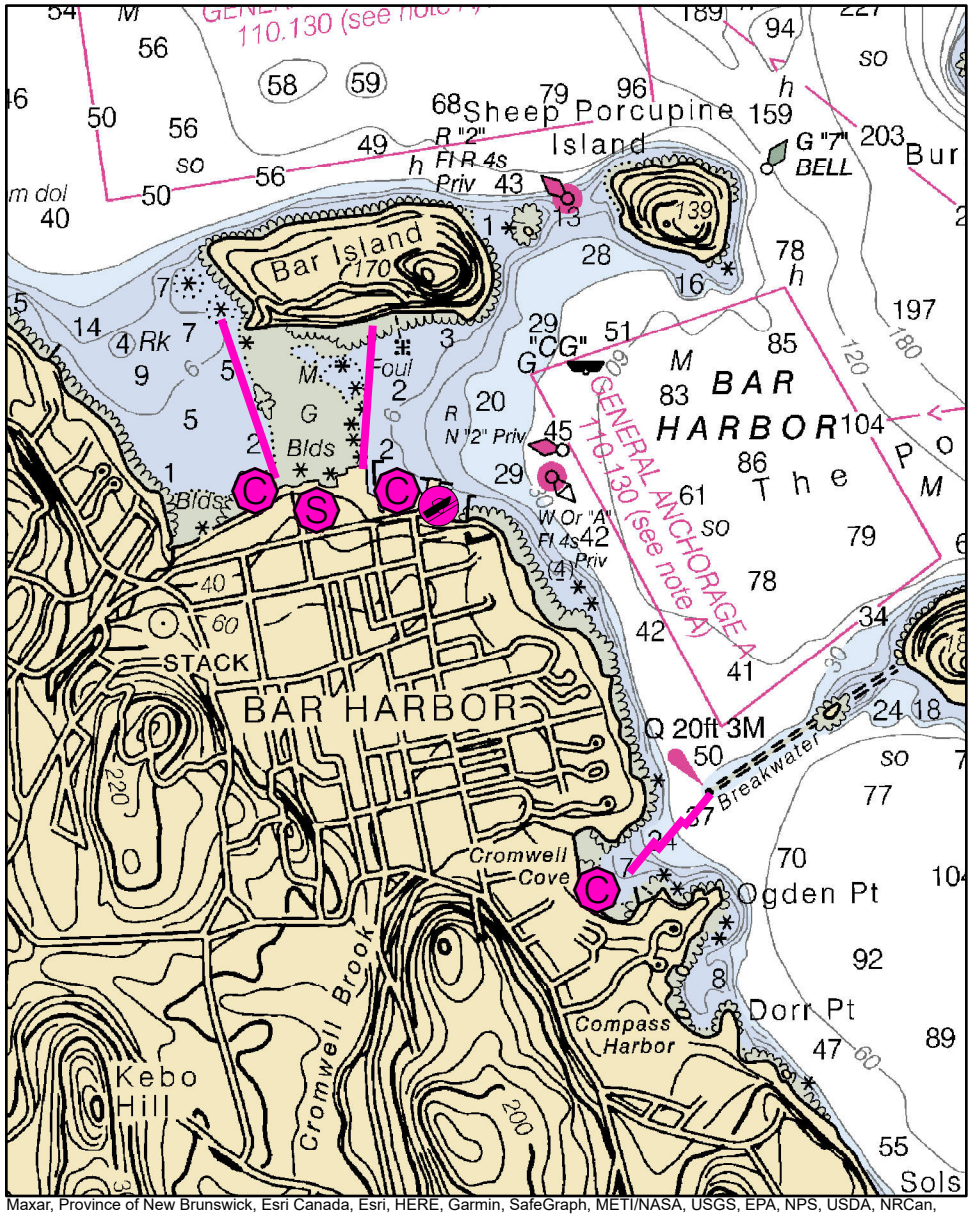
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Maxar, Province of New Brunswick, Esri Canada, Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, NRCan, Parks Canada, NOAA

# C-38-1 Frenchman Bay / Bar Harbor

**Town** Bar Harbor / Gouldsboro
**Latitude** 44° 23.796' N **Longitude** 68° 12.570' W
**Approx. Tidal Range (feet)** 11
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Penobscot Bay
**NOAA Chart #** 13318_1
**ESI Map #** 20D, 20B
**EVI Map #** 62, 69
**DeLorme Map # (2019)** 16 B4

## Resources At Risk

**ESI Primary Shoreline Type** Mixed sand and gravel beaches (5)
**ESI Secondary Shoreline Type** Exposed, solid man-made structures (1B)

**Environmental Concerns** Shorebirds use Bar Island. Habitat is not particularly valuable at Bar Island, but is a heavily visited area of Acadia National Park.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** Southernmost strategy near breakwater is meant to deflect oil from moving southward from the harbor. Strategy near Bar Island is to protect the intertidal bar at request of ANP.

**Staging Areas** Bar Harbor town boat launch

**Site Access** Bar Harbor boat launch. For Cromwell Cove, nearest street address is 374 Main Street, Bar Harbor

**Nearest Boat Ramp** Trailerable boat launch at Bar Harbor

**Collection Points** Either side of intertidal bar for Bar Island. For southern strategy, from private residence / beach near 374 Main Street, Bar Harbor

**Special Instructions** Intertidal bar is a heavily visited area of Acadia National Park. Not particularly valuable habitat. Contact Acadia National Park: Bob Bechtold, Park Environmental and Safety Program Coordinator: 207-888-8752 or 207-664-8814 after hours. National Park Service numbers: 888-614-0672 or 888-809-7095.

**Work Assignment** For oil moving south from harbor area, deploy three 400 foot sections of boom from edge of breakwater to Cromwell Cove. Deploy 1,500 feet of boom on each side of intertidal bar for oil near Bar Island.

## Recommended Equipment / Resources

**Length of Boom (feet)** 4200

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

Breakwater area:

5 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
1 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

Bar Island area:

4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys. Set anchors every 500 feet
4 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 2/14/2019 **Last Field Visit** 7/2/2007 **Last Field Test:**

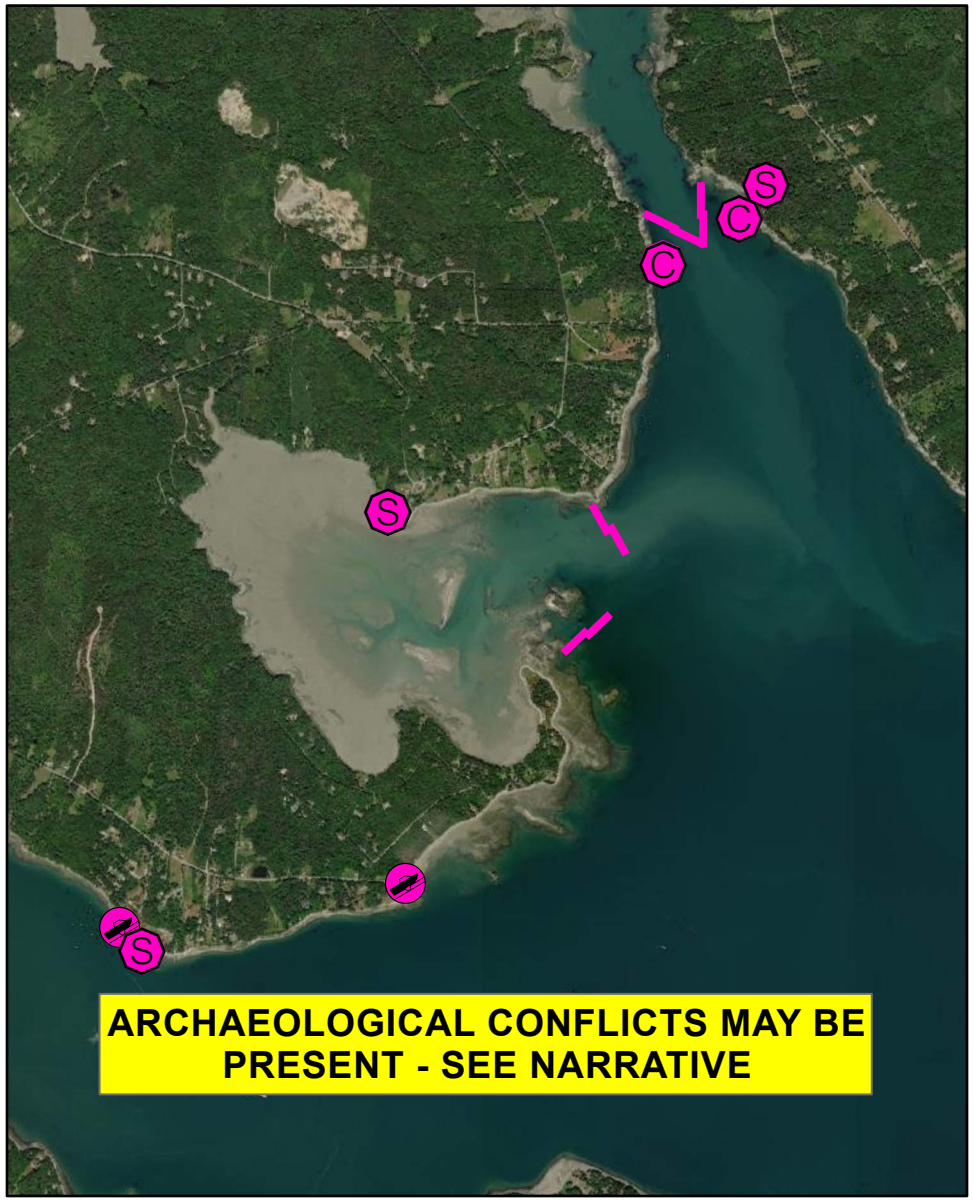
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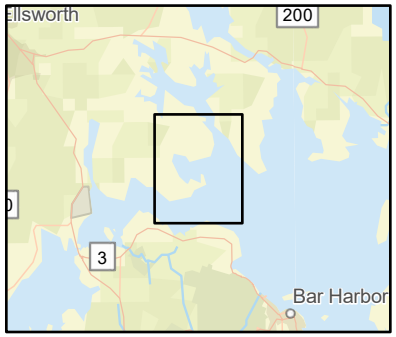
## Skillings River / Raccoon Cove

## Bar Harbor / Lamoine, ME

0 4,000 8,000 Feet

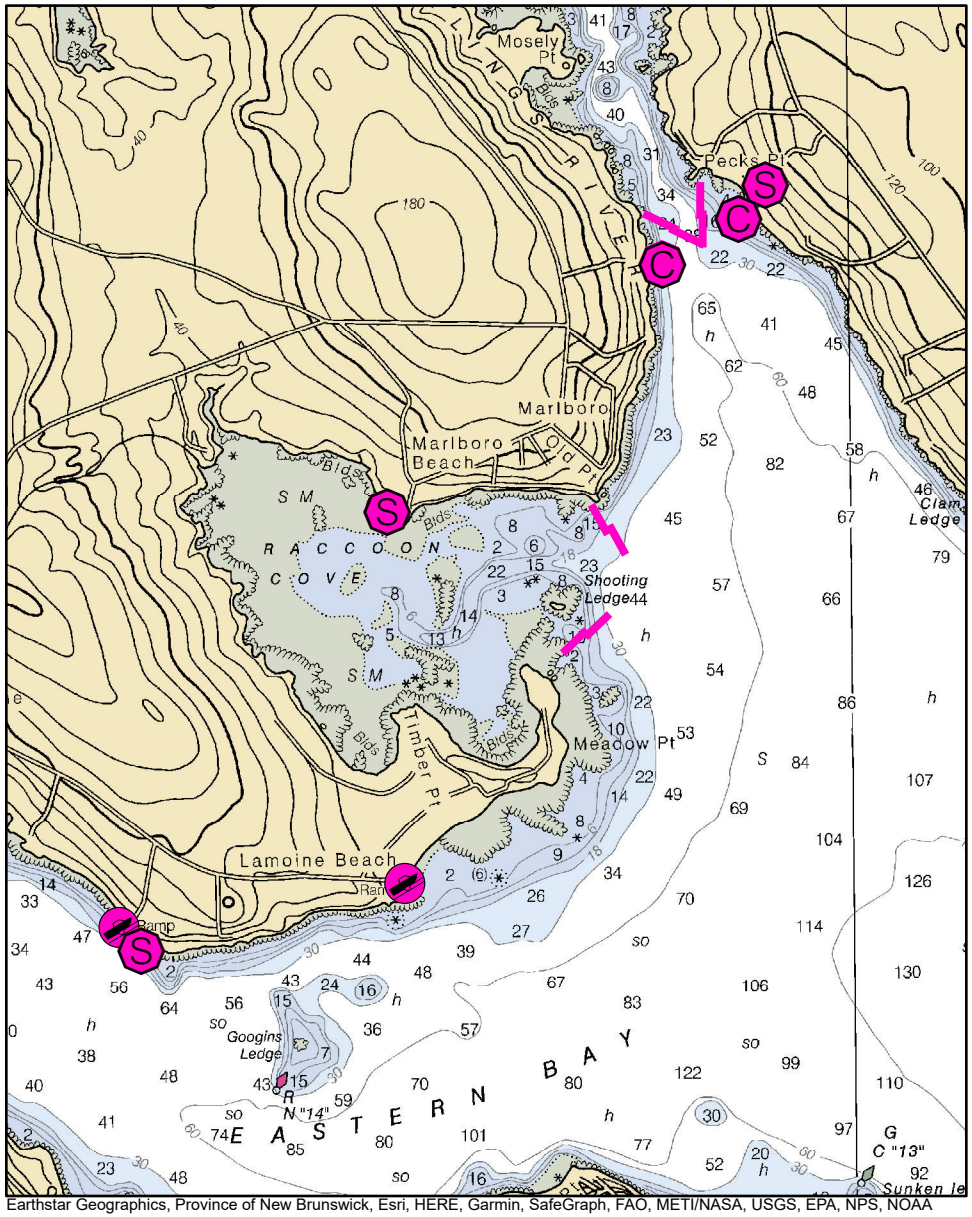
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Earthstar Geographics, Province of New Brunswick, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NOAA

# C-39-1 Skillings River / Raccoon Cove

**Town** Bar Harbor / Lamoine
**Latitude** 44° 28.704' N **Longitude** 68° 15.450' W
**Approx. Tidal Range (feet)** 11
**Max Current (knots)** **Flood** 2 kts **Ebb**
**Source** Local knowledge estimate

**Port Region** Penobscot Bay
**NOAA Chart #** 13318_1
**ESI Map #** 21A, 20B
**EVI Map #** 68, 69
**DeLorme Map # (2019)** 16 A3

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered rocky shores (8A)
**ESI Secondary Shoreline Type** Sheltered tidal flats (9A)

**Environmental Concerns** Shorebirds, shellfish, eelgrass and marine worms in Raccoon Cove and Skillings River. Bald eagle nesting sites, diadromous fish runs and elver runs in Skillings River.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To deflect oil from entering Raccoon Cove and Skillings River

**Staging Areas** Frenchman Bay public boat ramp, end of Lamoine Beach Road, Lamoine

**Site Access** Access to water at higher stages of tide from Marlboro Beach in Raccoon Cove (closest address 183 Marlboro Beach Road, Lamoine). May be able to pull boom from here. For Skillings River, nearest address to west shore is 64 Guardhouse Point, Lamoine. East shore: 79 Juniper Ledge, Hancock. May be able to pull boom from east shore gravel beach.

**Nearest Boat Ramp** Frenchman Bay public boat ramp, end of Lamoine Beach Road, Lamoine

**Collection Points** Possible collection from shoreline at each end of boom in Skillings River (see Site Access). Raccoon Cove is deflection only.

**Special Instructions** Skillings River may have strong current. Monitor at mid-tide.

**Work Assignment** Deploy four 500 foot lengths of boom in a chevron configuration at the entrance to Skillings River. Depending on tide, deploy two 500 foot lengths of boom at either side of Raccoon Cove entrance.

## Recommended Equipment / Resources

**Length of Boom (feet)** 4000

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

Raccoon Cove:

6 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connections
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

Skillings River:

5 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys. Center of chevron may need two anchors
2 - shoreside connections
1 - 2 vacuum trucks or skimmers and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 2/14/2019 **Last Field Visit** 7/2/2007 **Last Field Test:**

# C-40-1

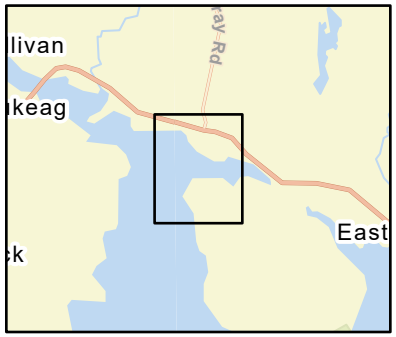
## Sullivan Harbor / Long Cove

## Sorrento / Sullivan, ME

0 1,000 2,000 Feet

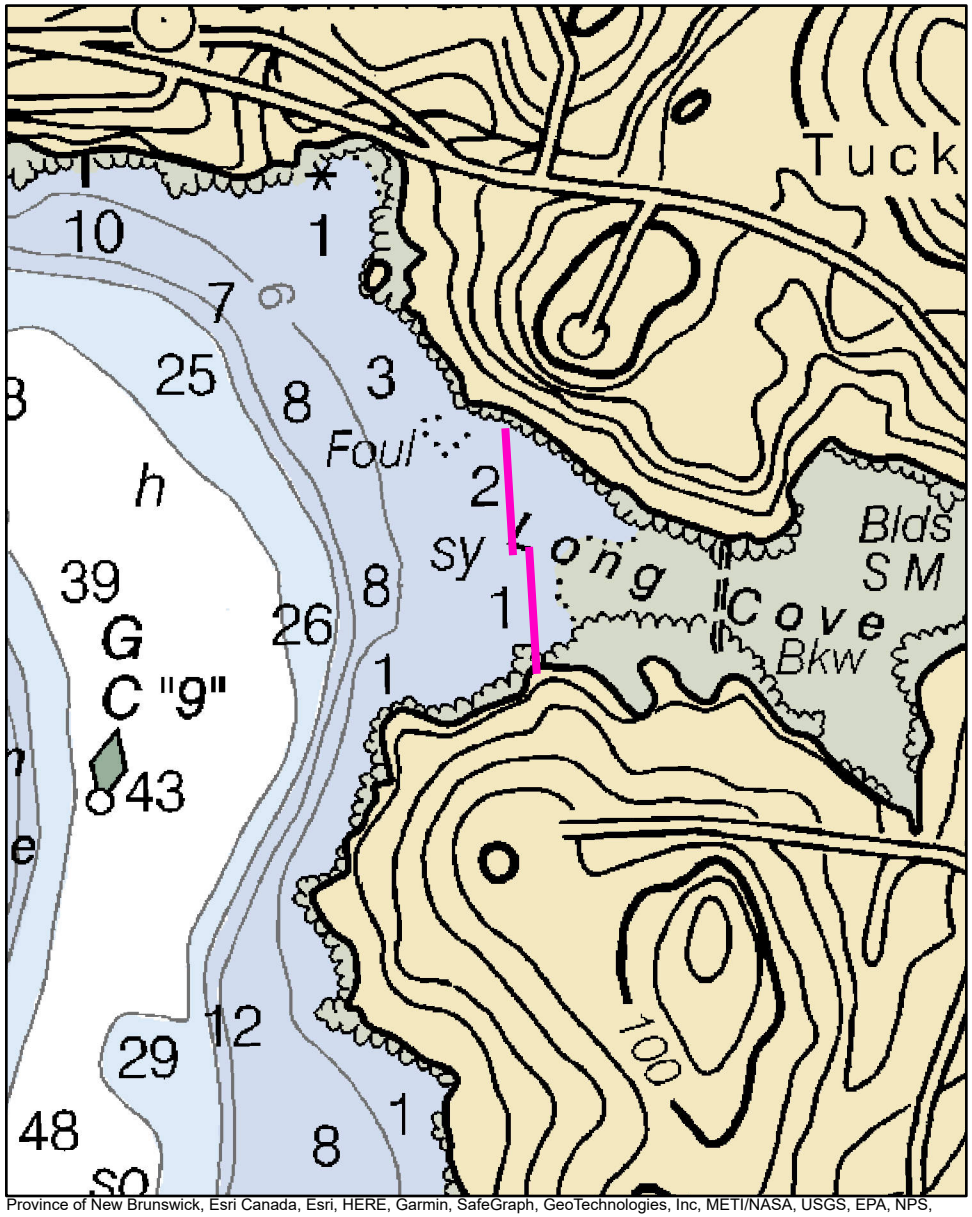
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Province of New Brunswick, Esri Canada, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, NRCan, Parks Canada, Maxar, NOAA

# C-40-1 Sullivan Harbor / Long Cove

**Town** Sorrento / Sullivan
**Latitude** 44° 30.878' N **Longitude** 68° 30.878' W
**Approx. Tidal Range (feet)** 11
**Max Current (knots)** **Flood** 1 knot **Ebb**
**Source** Local knowledge estimate

**Port Region** Penobscot Bay
**NOAA Chart #** 13318_1
**ESI Map #** 14A, 20B
**EVI Map #** 69
**DeLorme Map # (2019)** 24 E4

## Resources At Risk

**ESI Primary Shoreline Type** Vegetated low banks (9B)
**ESI Secondary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)

**Environmental Concerns** Shorebird habitat, marine worms, shellfish beds

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To exclude oil from Long Cove

**Staging Areas** Possibly from Hancock Point dock. Nearest address: 119 Bay Ave., Hancock. May be able to pull boom from here.

**Site Access** By water

**Nearest Boat Ramp** Frenchman Bay public boat ramp at end of Lamoine Beach Road, Lamoine or Bunker Cove town ramp at the end of Shore Road in Gouldsboro

**Collection Points** N/A

**Special Instructions** Difficult access and no collection areas. Consider Carrying Place Inlet (C-59-2) as higher priority

**Work Assignment** Deploy two 500 foot lengths of boom across the entrance to Long Cove

## Recommended Equipment / Resources

**Length of Boom (feet)** 1000
**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connections
1 - workboats with minimum 90 hp
1 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 2/14/2019 **Last Field Visit** **Last Field Test:**

# C-40-2

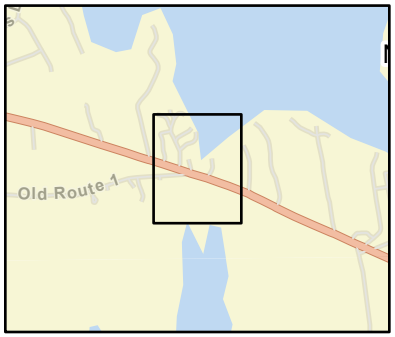
## Sullivan Harbor / Carrying Place Inlet

## Hancock, ME

0 520 1,040 Feet

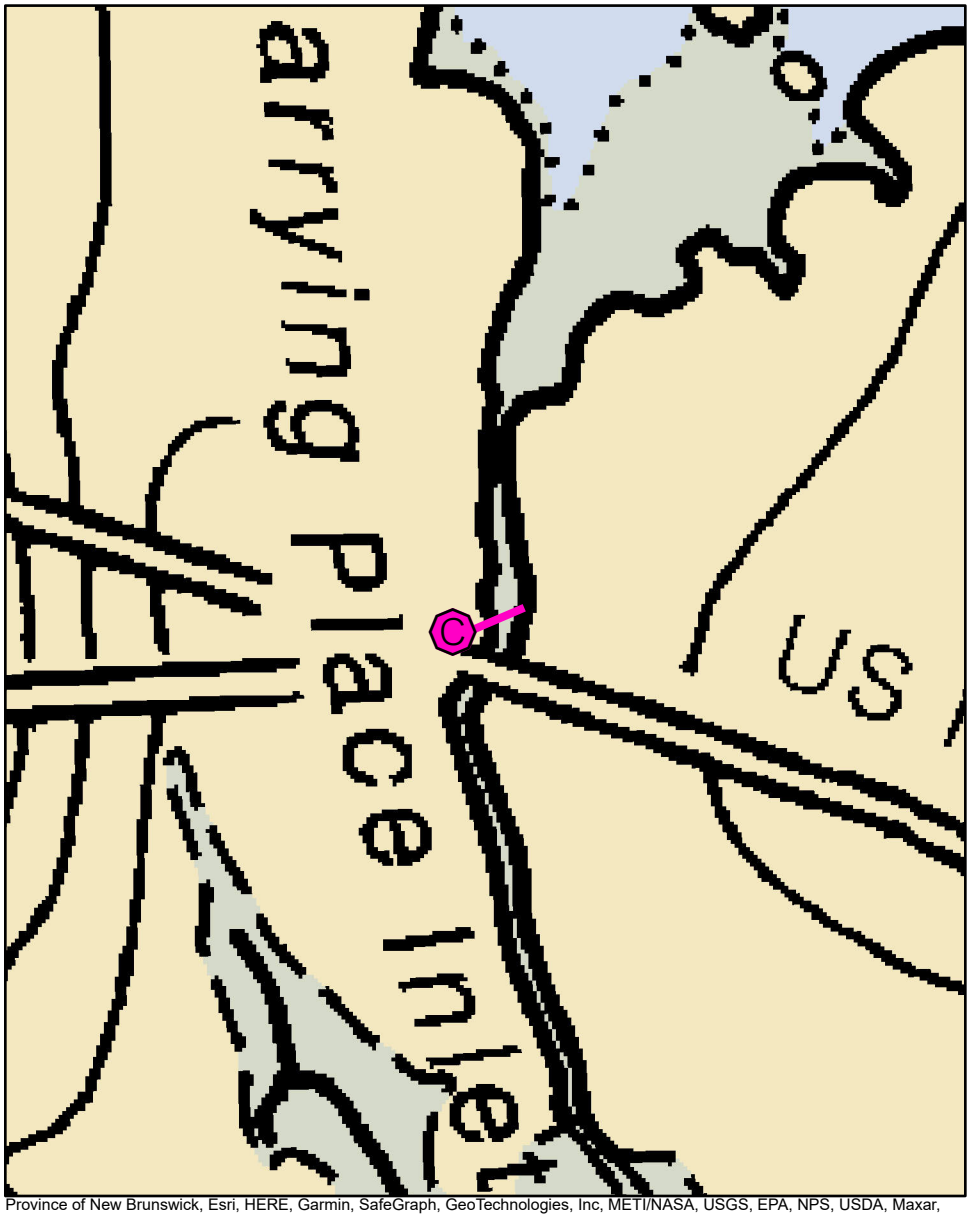
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Province of New Brunswick, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, Maxar, NOAA

# C-40-2 Sullivan Harbor / Carrying Place Inlet

**Town** Hancock
**Latitude** 44° 32.004' N **Longitude** 68° 16.099' W
**Approx. Tidal Range (feet)** 11
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Penobscot Bay
**NOAA Chart #** 13318_1
**ESI Map #** 14B
**EVI Map #** 69
**DeLorme Map # (2019)** 24 E3

## Resources At Risk

**ESI Primary Shoreline Type** Vegetated low banks (9B)
**ESI Secondary Shoreline Type** Sheltered rocky shores (8A)

**Environmental Concerns** Extensive marsh upstream of Route 1. Eelgrass, shellfish beds, marine worm habitat

**Archaeological Conflicts** Keep downstream anchors on bank top out of channel. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To deflect oil from large marsh upstream of inlet ("Old Pond")

**Staging Areas** Route 1 bridge, Hancock. There is a turnout at west side of bridge.

**Site Access** Route 1, Hancock.

**Nearest Boat Ramp** N/A. Deploy by hand.

**Collection Points** West side of Route 1 bridge, Hancock

**Special Instructions** Marsh is quite sensitive. Consider doubling boom to increase protection. If current prohibits boom placement, may need to go further out toward Taunton Bay

**Work Assignment** Deploy 100 - 125 feet of boom from Route 1 bridge crossing inlet to eastern shoreline.

## Recommended Equipment / Resources

**Length of Boom (feet)** 125
**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
2 - shoreside connections
1 - vehicle with boom
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 2/14/2019 **Last Field Visit** **Last Field Test:**

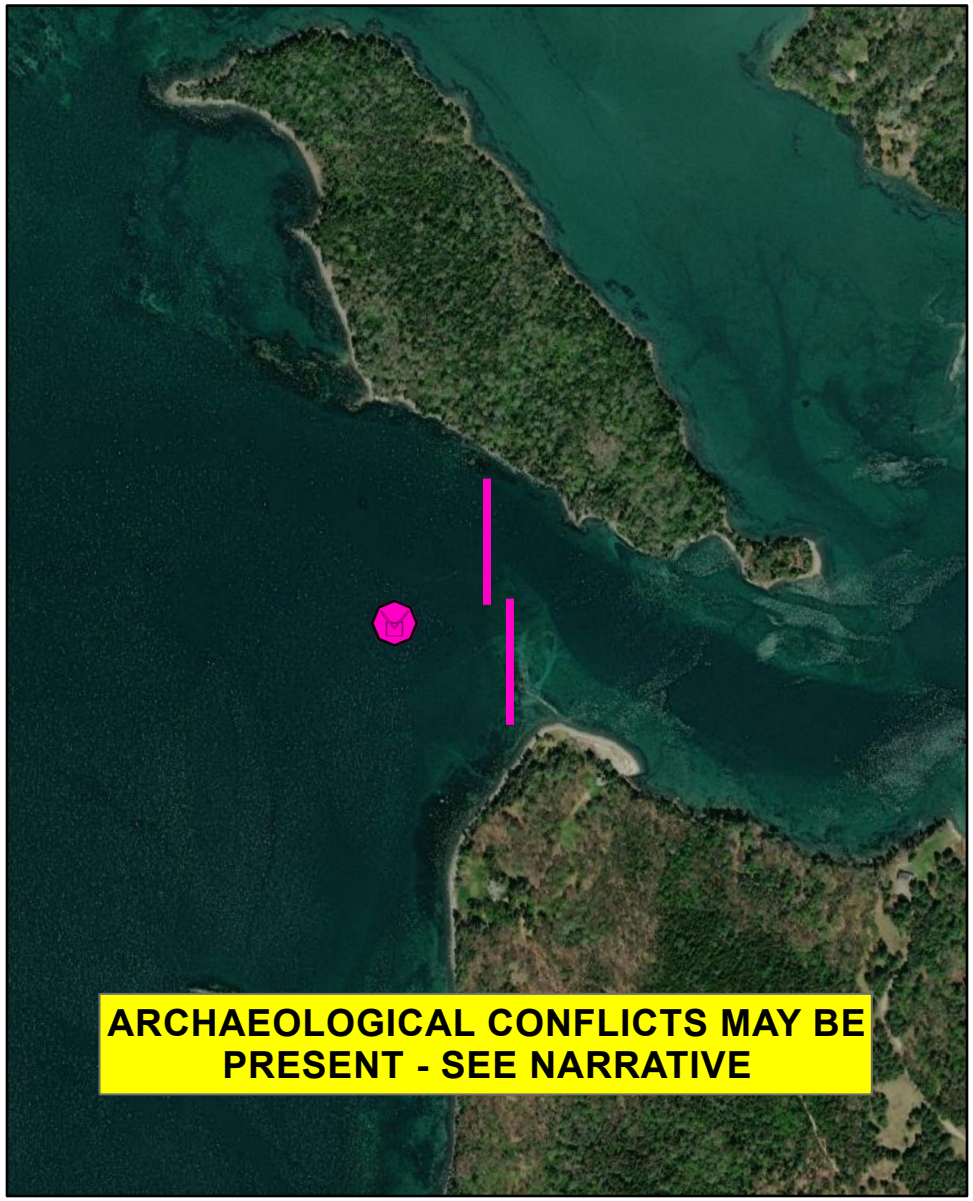
# C-41-1

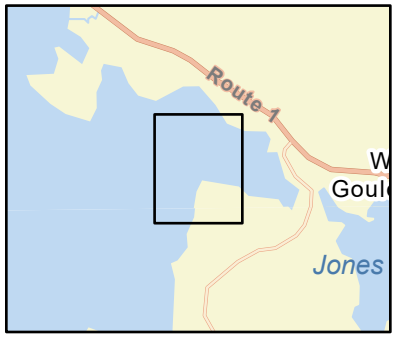
## Flanders Bay

## Gouldsboro, ME

0 1,000 2,000 Feet

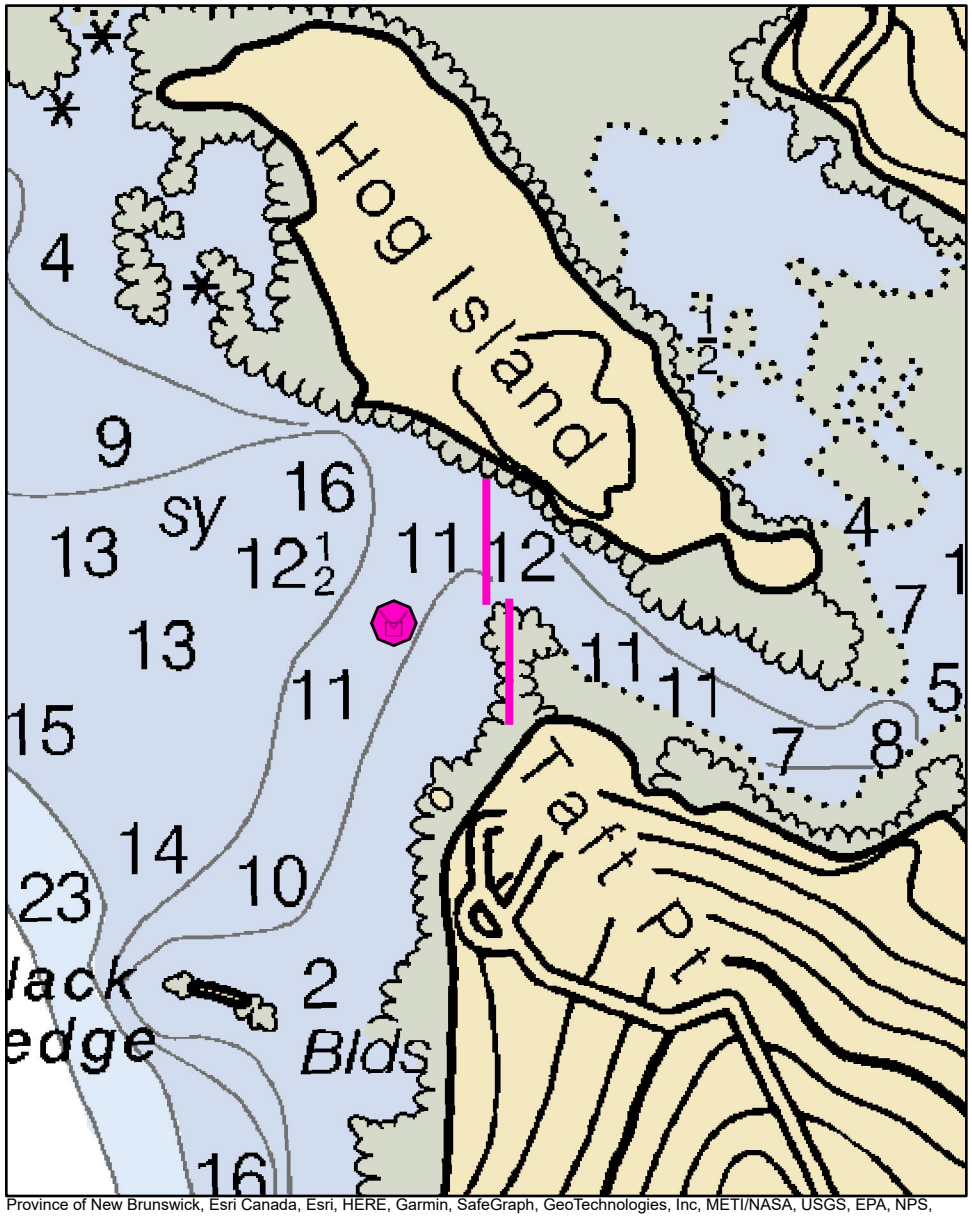
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




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# C-41-1 Flanders Bay

**Town** Gouldsboro
**Latitude** 44° 27.799' N **Longitude** 68° 7.276' W
**Approx. Tidal Range (feet)** 11
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Penobscot Bay
**NOAA Chart #** 13318_1
**ESI Map #** 20A
**EVI Map #** 69
**DeLorme Map # (2019)** 16 A5

## Resources At Risk

**ESI Primary Shoreline Type** Sheltered rocky shores (8A)
**ESI Secondary Shoreline Type** Mixed sand and gravel beaches (5)

**Environmental Concerns** Jones Cove has shorebird habitat, shellfish beds, eelgrass, marine worm habitat and diadromous fish. Other coves in bay are smaller but have similar habitats.

**Archaeological Conflicts** Use boulder or tree anchors on Hogs Island. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To exclude oil from the main channel into Jones Cove, and use JBF skimmer to attempt to collect product in areas where there may be eddies in the quieter areas of the channel.

**Staging Areas** Bunker Cove boat ramp, Shore Road, Gouldsboro or Sorrento Harbor and town dock, intersection of Main St. and Ocean Ave., Sorrento

**Site Access** By water from Gouldsboro or Sorrento Harbor (see below)

**Nearest Boat Ramp** Bunker Cove ramp in Gouldsboro has an all-tide public ramp (end of Shore Road, Gouldsboro). Sorrento Harbor has a small part-tide ramp. Both are about 3 miles from site.

**Collection Points** N/A

**Special Instructions** Difficult access and limited collection other than skimmer

**Work Assignment** Deploy two 500 foot sections of boom between Hog Island southerly toward Taft Point. Deploy JBF skimmer in bay.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1000
**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connections
1 - JBF skimmer
1 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 2/14/2019 **Last Field Visit** **Last Field Test:**

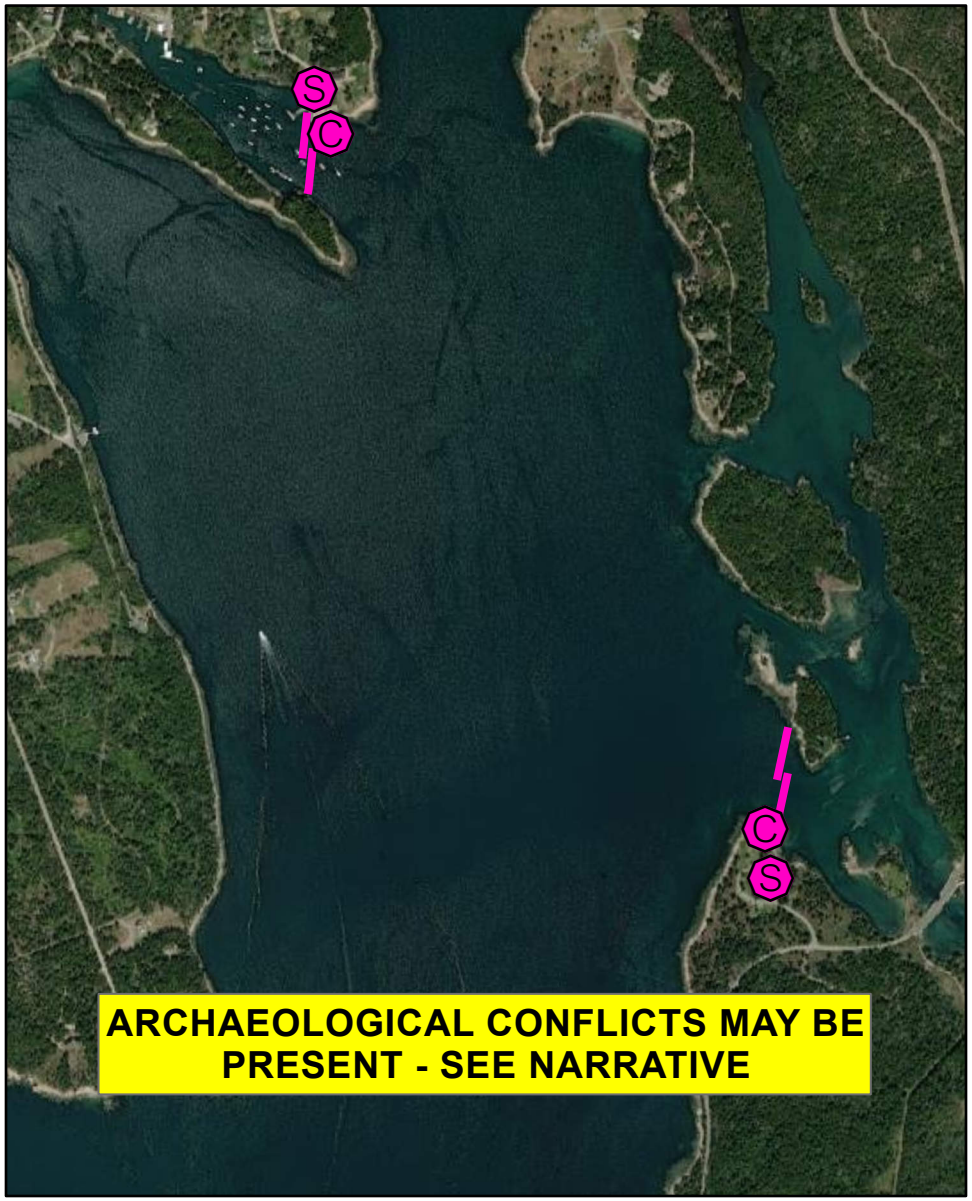
# C-42-1

## Winter Harbor / Mosquito Harbor

## Winter Harbor, ME

0 1,000 2,000 Feet

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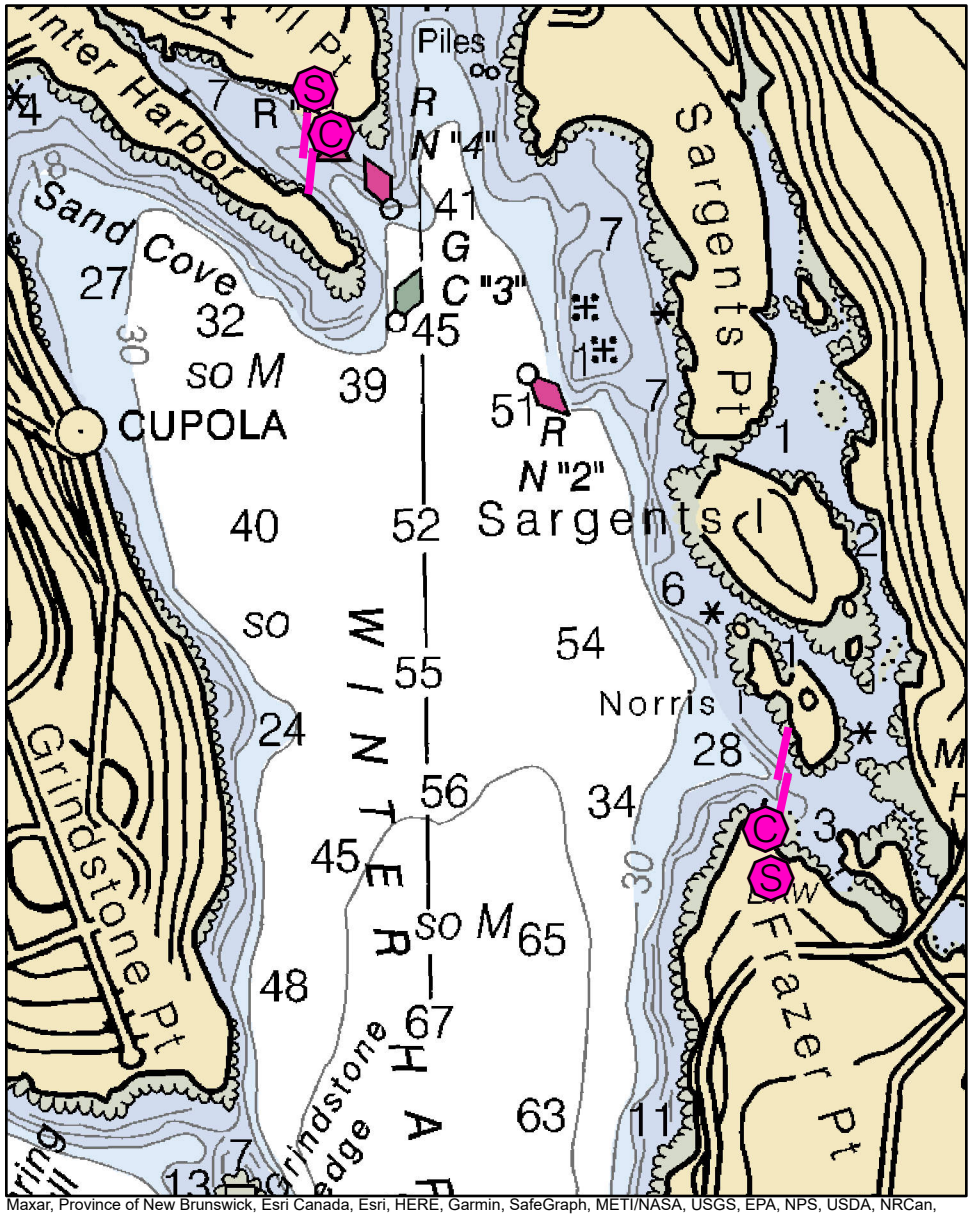






**Legend**

- Boat Launches
- Collection Point
- Permanent Mooring
- Skimmer
- Staging Area
- Water Treatment Intake
- Response Vessel
- Vacuum Truck




Maxar, Province of New Brunswick, Esri Canada, Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, NRCan, Parks Canada, NOAA

# C-42-1 Winter Harbor / Mosquito Harbor

**Town** Winter Harbor
**Latitude** 44° 23.314' N **Longitude** 68° 5.169' W
**Approx. Tidal Range (feet)** 12
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Penobscot Bay
**NOAA Chart #** 13318_1
**ESI Map #** 20C
**EVI Map #** 63, 70
**DeLorme Map # (2019)** 17 B1

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)

**ESI Secondary Shoreline Type** Exposed tidal flats (7)

**Environmental Concerns** Shellfish beds, shorebird habitat, lobster dealer in Winter Harbor near town wharf

**Archaeological Conflicts** Fraser Point: maintain staging within paved area, minimize disturbances to surface within park. Deviations will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert oil from inner Winter Harbor and Mosquito Harbor

**Staging Areas** Winter Harbor Town Wharf, 48 Harbor Road, Winter Harbor and Frazer Point Park and Picnic Area, Moore Road / Schoodic Loop Road, Winter Harbor NOTE: Frazer Point is owned by Acadia National Park. See Special Instructions below.

**Site Access** Same as staging. May be able to pull boom from both areas, but no boat launches on site

**Nearest Boat Ramp** Part-tide paved ramp on Main Street and Henry Lane near the town wharf in Winter Harbor. Nearest larger all-tide launches are at Bunker's Cove on Shore Road in South Gouldsboro or the public launch at downtown Bar

**Collection Points** Winter Harbor town wharf and Frazer Point Park

**Special Instructions** Contact Acadia National Park: Bob Bechtold, Park Environmental and Safety Program Coordinator: 207-888-8752 or 207-664-8814 after hours. National Park Service numbers: 888-614-0672 or 888-809-7095.

**Work Assignment** Deploy two 300 foot sections of containment boom across Winter Harbor, and two 300 foot sections of containment boom across main entrance to Mosquito Harbor

## Recommended Equipment / Resources

**Length of Boom (feet)** 1200

**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**

Winter Harbor:

2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

Mosquito Harbor:

2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 4/23/2019 **Last Field Visit** **Last Field Test:**

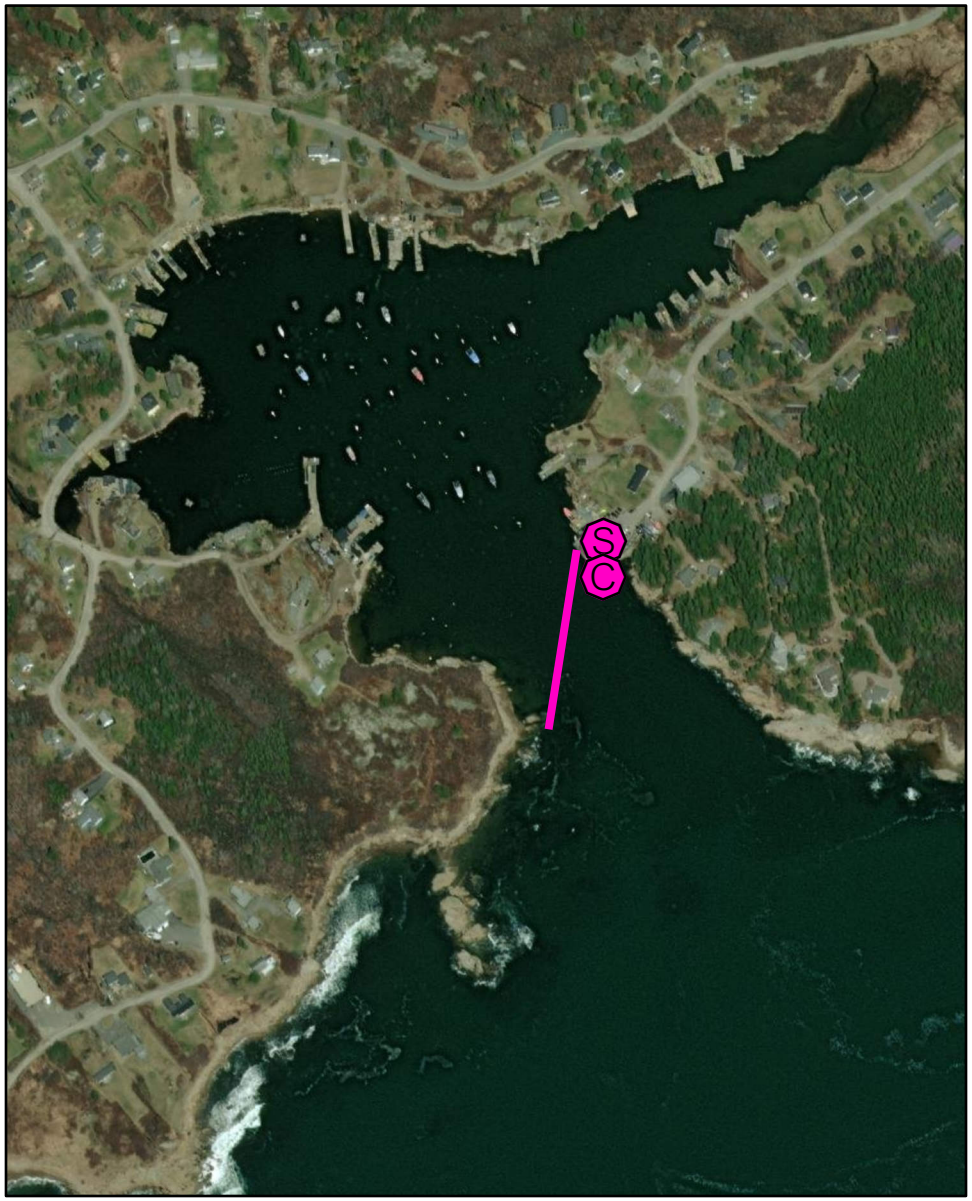
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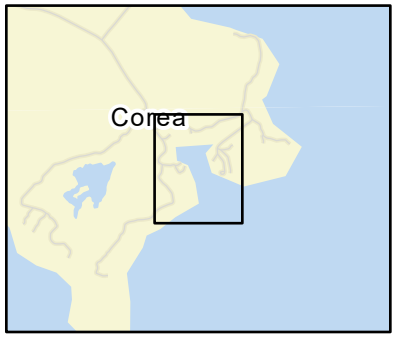
## Corea Harbor

## Corea, ME

0 620 1,240 Feet

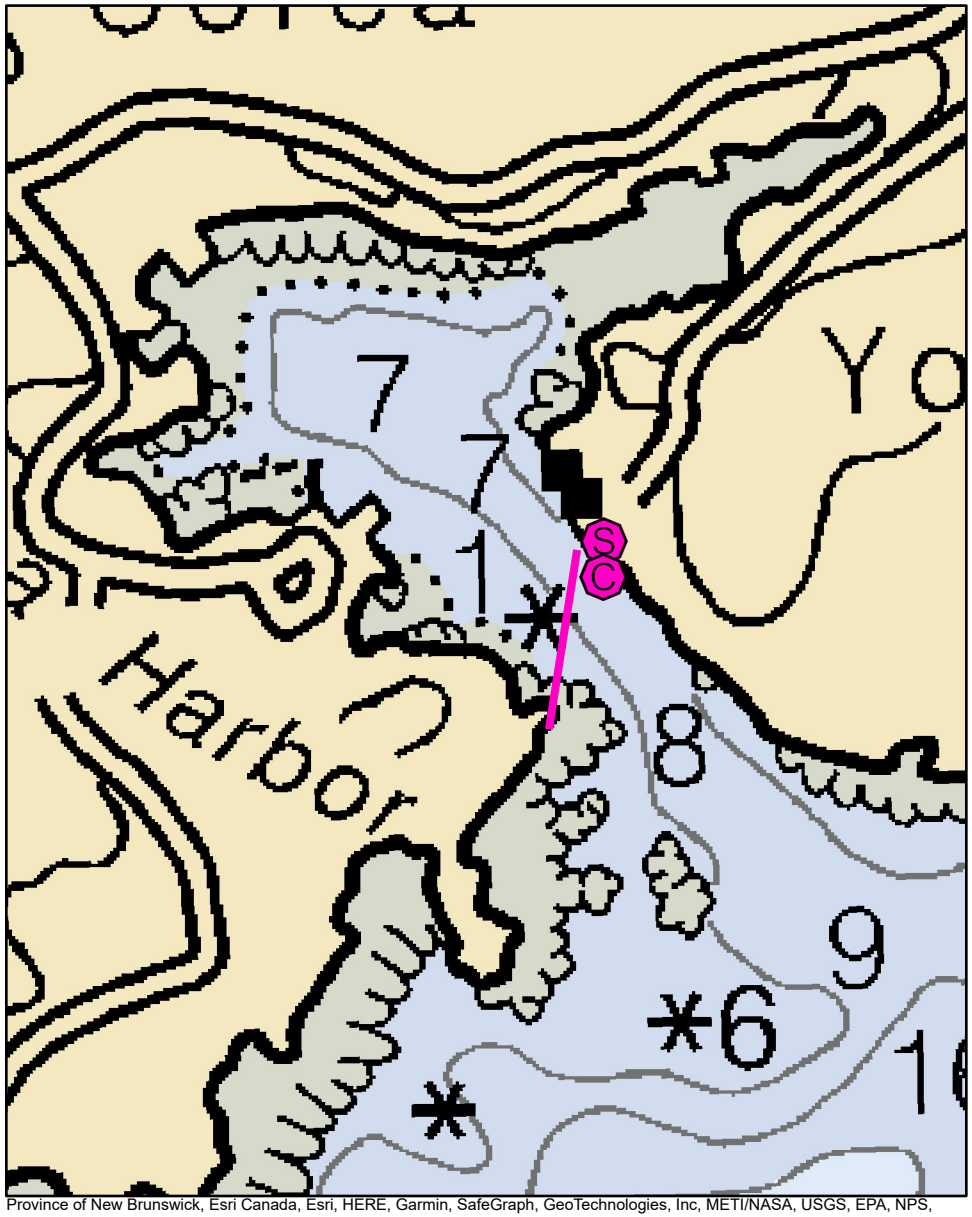
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Province of New Brunswick, Esri Canada, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, NRCan, Parks Canada, Maxar, NOAA

# D-01-1 Corea Harbor

**Town** Corea, ME
**Latitude** 44° 23.849 **Longitude** 67° 58.199
**Approx. Tidal Range (feet)** 12
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Downeast
**NOAA Chart #** 13324_1
**ESI Map #** 19D
**EVI Map #** 78, 77
**DeLorme Map # (2019)** 17 B2

## Resources At Risk

**ESI Primary Shoreline Type** Mixed sand and gravel beaches (5)
**ESI Secondary Shoreline Type** Sheltered, solid man-made structures (8B)

**Environmental Concerns** Eelgrass, lobster pound and lobster dealer in harbor

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To divert oil from inner Corea Harbor

**Staging Areas** Possibly Corea Lobster Cooperative (207-963-7936) on east side of harbor, 199 Crowley Island Road, Corea, or lobster pound on west side of harbor

**Site Access** Wharf on east side at co-op, and small part-tide boat launch on west side at lobster pound

**Nearest Boat Ramp** Small part tide launch on western side of harbor. Nearest all-tide ramp is Gouldsboro Point Boat Launch at intersection of Gouldsboro Point Road and Old County Road in Gouldsboro

**Collection Points** Corea Lobster Cooperative

**Special Instructions** Area is very shallow, will need small boat(s)

**Work Assignment** Deploy 450 feet of containment boom across harbor from Francis Lobster Pound to Corea Lobster Cooperative. Place anchor at mid-point.

## Recommended Equipment / Resources

**Length of Boom (feet)** 450
**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**
1 - anchor system: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line and buoy.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
1 - 2 small workboats
1 - 2 boat operators
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 4/24/2019 **Last Field Visit** **Last Field Test:**

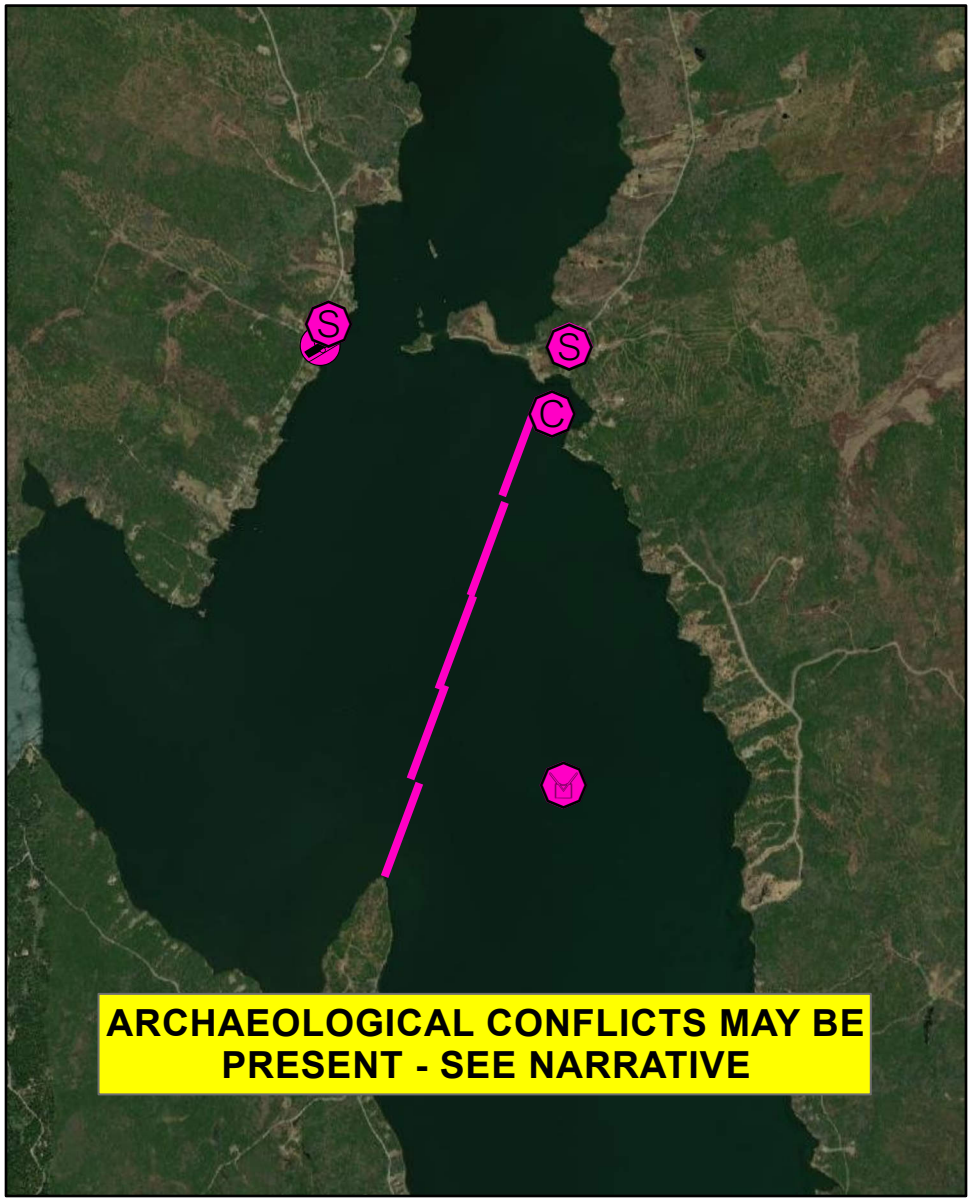
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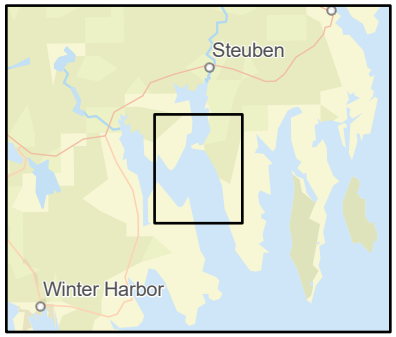
## Inner Gouldsboro Bay

## Gouldsboro, ME

0 3,000 6,000 Feet

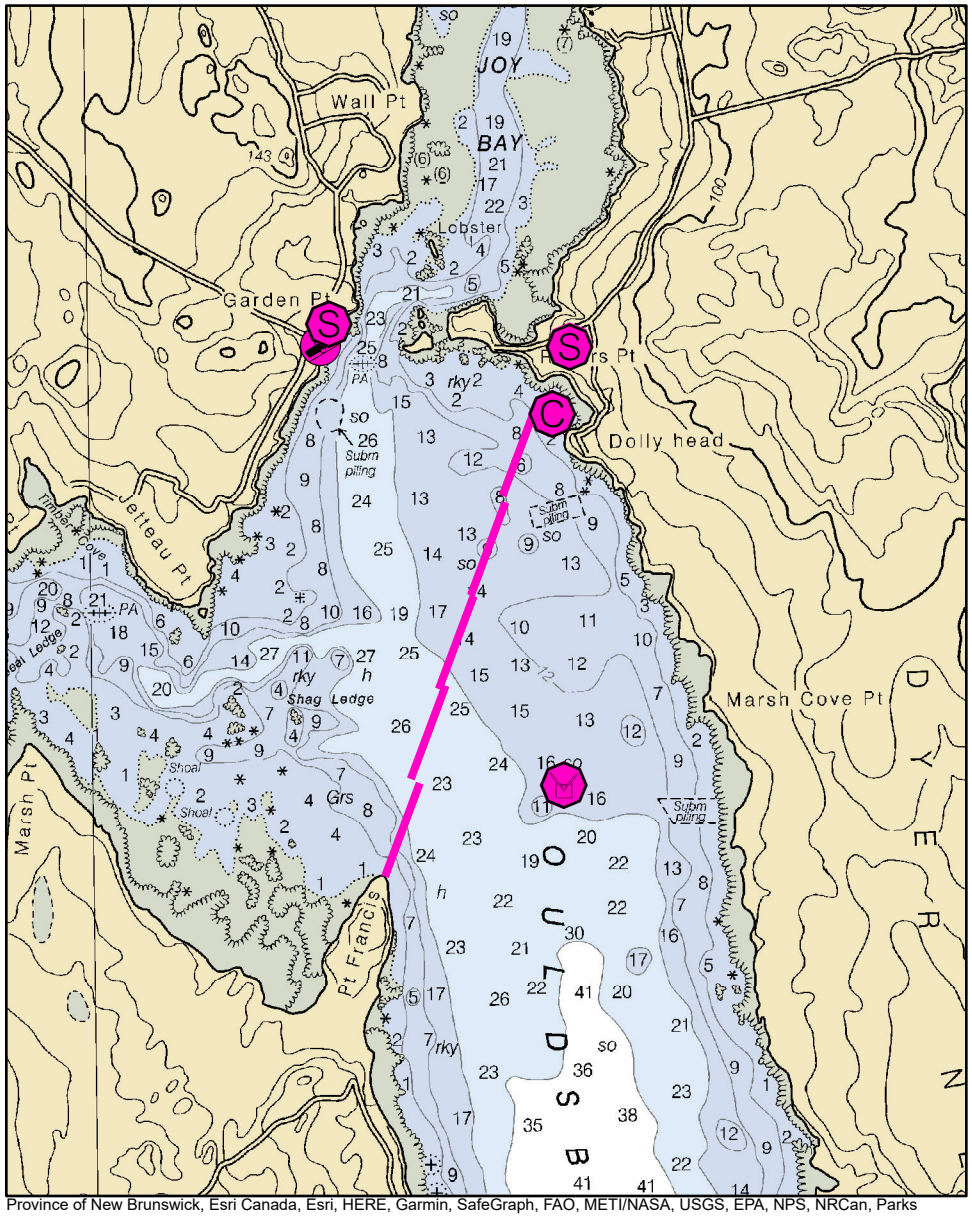
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Province of New Brunswick, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada, Earthstar Geographics, NOAA

# D-02-1 Inner Gouldsboro Bay

**Town** Gouldsboro
**Latitude** 44° 27.482 **Longitude** 67° 58.654
**Approx. Tidal Range (feet)** 12
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Downeast
**NOAA Chart #** 13324_1
**ESI Map #** 19B
**EVI Map #** 78, 70
**DeLorme Map # (2019)** 17 A2

## Resources At Risk

**ESI Primary Shoreline Type** Mixed sand and gravel beaches (5)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Upper reaches of Gouldsboro Bay contain many sensitive areas including a portion of Petit Manan National Wildlife Refuge as well as extensive mudflats, shellfish beds, shorebird areas and marsh.

**Archaeological Conflicts** Keep northern anchor point close to developed areas in Dolly Head or on Howards Lane. Sunken wreck on southern portion of spread. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** Although huge, the purpose of this strategy is to prevent oil from reaching the Upper Bay to the greatest extent possible.

**Staging Areas** Gouldsboro Point Boat Launch, at the intersection of Gouldsboro Point Road and Old County Road in Gouldsboro has an all-tide ramp but little room on shore. West Bay Boats, on the east side of the strategy (8 town Landing Road, Steuben, 207-546 4300), has more room but no launch. It may be possible to pull boom from Howard Drive nearby, or from other areas of shore along Rogers Point Road.

**Site Access** Same as staging areas

**Nearest Boat Ramp** Gouldsboro Point Boat Launch, intersection of Gouldsboro Point Road and Old County Road, Gouldsboro

**Collection Points** Open water collection/recovery or vicinity of Howards Drive, Steuben

**Special Instructions** Observe current for feasibility before deployment

**Work Assignment** If resources allow, booming across the entire bay extent could be attempted with 5,000 feet of boom. If these resources are not available, a combination of on-water skimming and booming / collection in the main portion of the channel will mitigate damage to the upper reaches.

## Recommended Equipment / Resources

**Length of Boom (feet)**

**Type of Boom** 12" to 18" containment boom or larger

**Recommended Equipment (Minimum)**

Up to 10 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - 4 - workboats with minimum 90 hp
2 - 4- boat operators
6 - 8 - laborers

Possibly large open water skimmers and collection

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 4/24/2019 **Last Field Visit** **Last Field Test:**

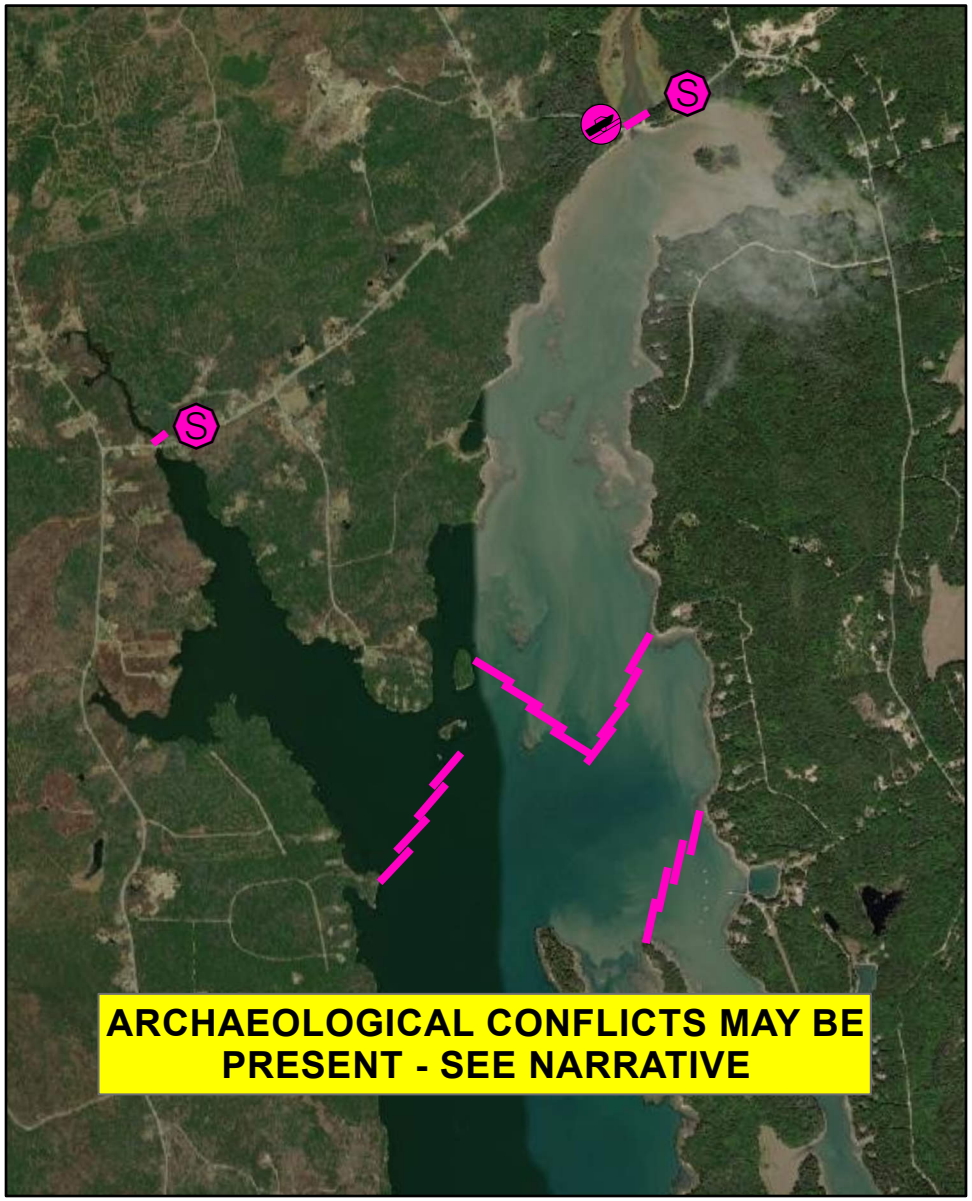
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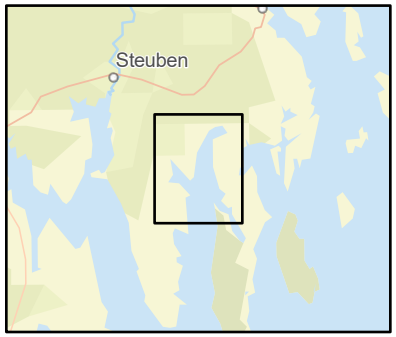
## Dyer Bay

## Steuben, ME

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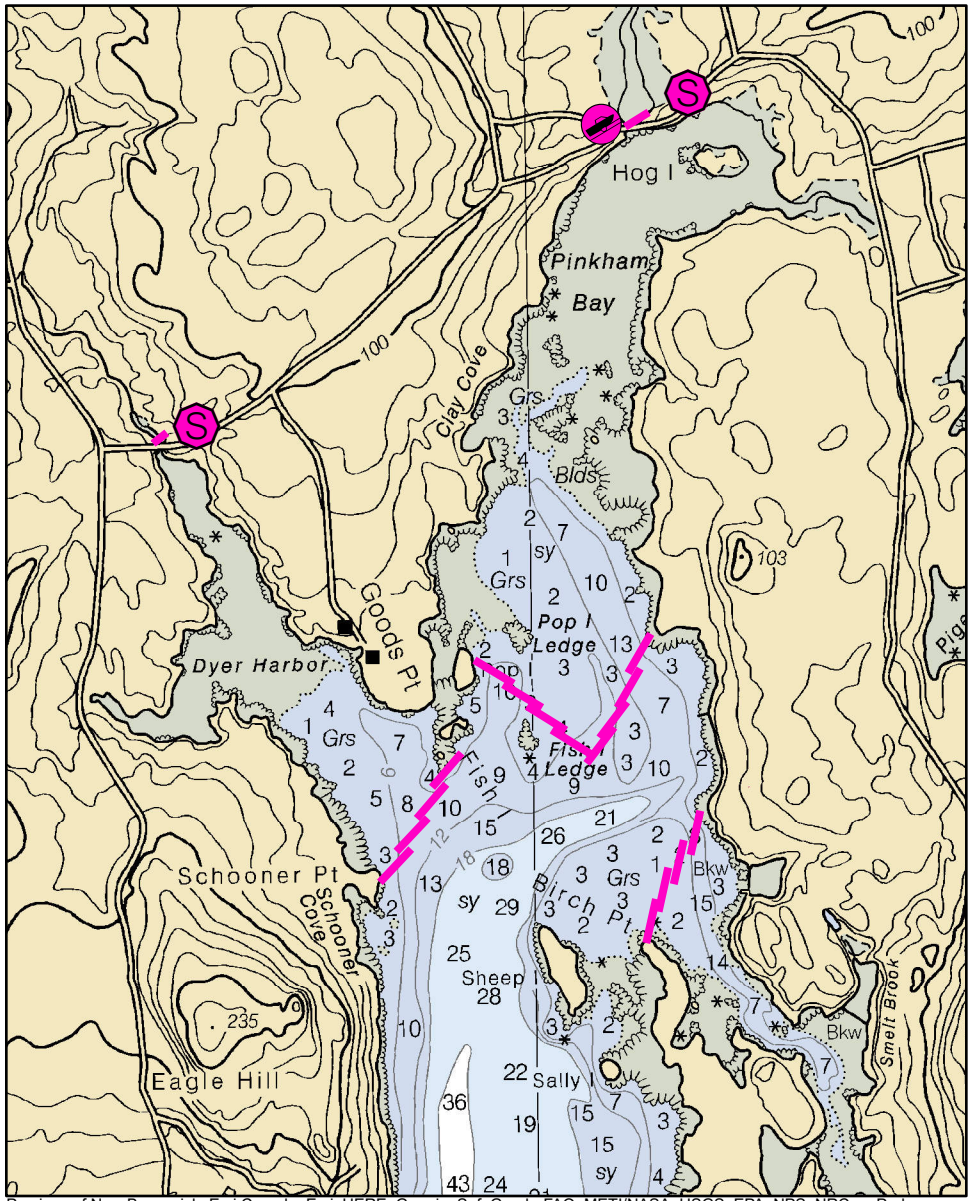
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Province of New Brunswick, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada, Earthstar Geographics, NOAA

# D-03-1 Dyer Bay

**Town** Steuben

**Latitude** 44° 28.006 **Longitude** 67° 54.906

**Approx. Tidal Range (feet)** 12

**Max Current (knots)** **Flood** **Ebb**

**Source**

**Port Region** Downeast

**NOAA Chart #** 13324_1

**ESI Map #** 19A, 19B

**EVI Map #** 78

**DeLorme Map # (2019)** 17 A2

## Resources At Risk

**ESI Primary Shoreline Type** Mixed sand and gravel beaches (5)

**ESI Secondary Shoreline Type**

**Environmental Concerns** Upper Dyer Bay contains many sensitive resources: mudflats, marshes, shorebird areas, seal haul-outs, shellfish beds, lobster pounds and aquaculture sites.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To prevent oil from entering upper Dyer Bay. Channel could also be explored for a potential strategy across the bay, but currents will likely prevent this.

**Staging Areas** Extremely limited. Small part tide launch at Pinkham Bay Bridge Road. May be able to pull boom from here, but will likely have to close road. Dyer Harbor has no launch and will require road closure to work there as well.

**Site Access** Same as staging areas

**Nearest Boat Ramp** Small part tide launch at Pinkham Bay Bridge Road on north end of bay. No all-tide ramp nearby. Closest is Narraguagus River in Milbridge.

**Collection Points** N/A other than open water collection

**Special Instructions** Explore possibility of booming across main channel near Birch Point

**Work Assignment** In order of priority: Deploy eight 500 foot sections of boom in a chevron configuration to exclude oil from Pinkham Bay to the north. Deploy four 500 foot sections of boom to deflect oil from Dyer Harbor. Deploy four 500 foot sections from Birch Point in a northeasterly direction to deflect oil from Carrying Place Cove. If large strategies cannot be implemented, at minimum deploy 250 of boom by hand across entrance to marsh at Pinkham Bay Bridge Road, and 50 feet of boom by hand across the entrance to the marsh at Dyer's Bay Road at the head of Dyer Harbor.

## Recommended Equipment / Resources

**Length of Boom (feet)** 8000

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

27 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
5 - shoreside connections
2 - workboats with minimum 90 hp
2 - boat operators
6 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 4/26/2019 **Last Field Visit** **Last Field Test:**

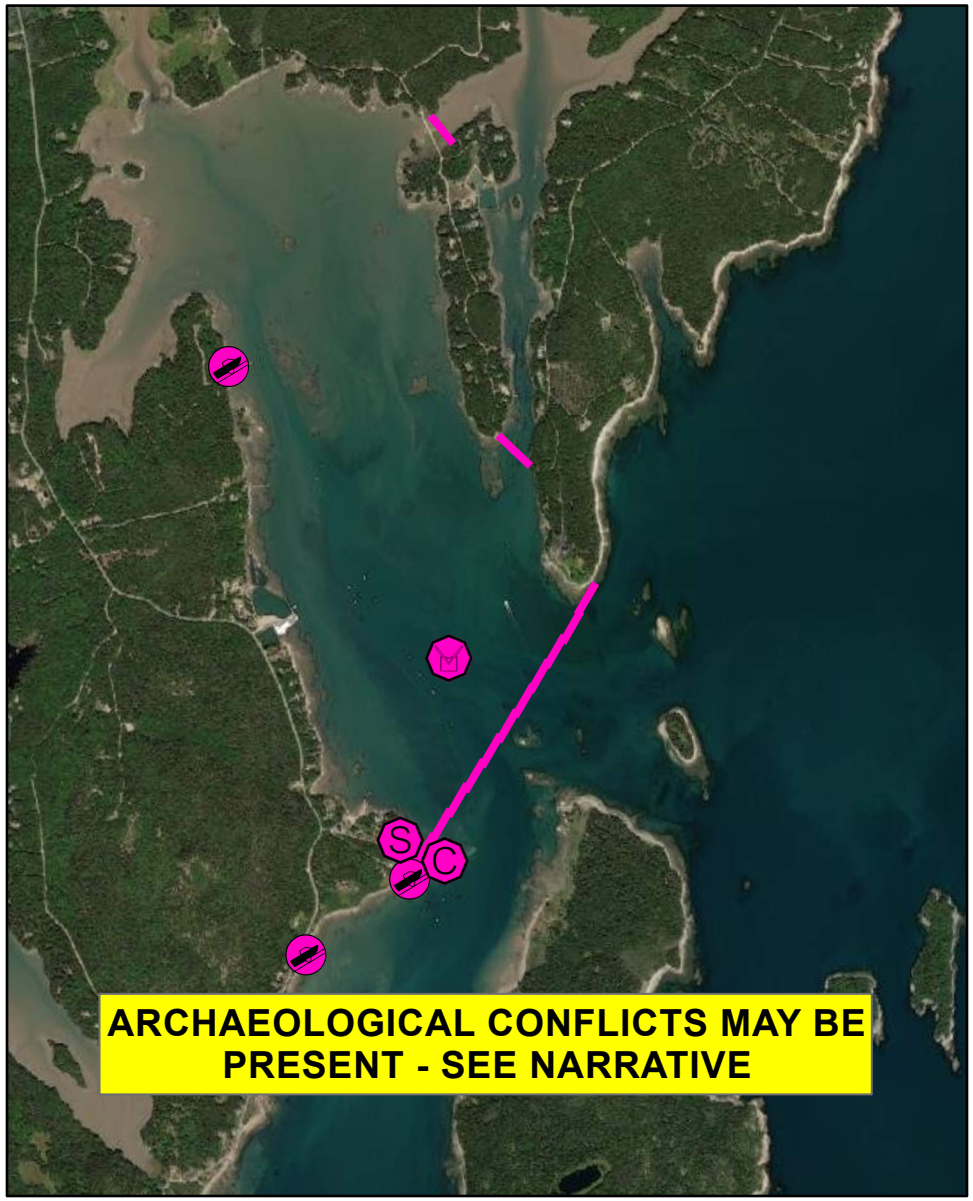
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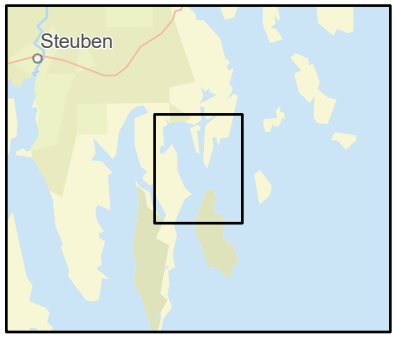
## Pigeon Hill Bay

## Milbridge / Steuben, ME

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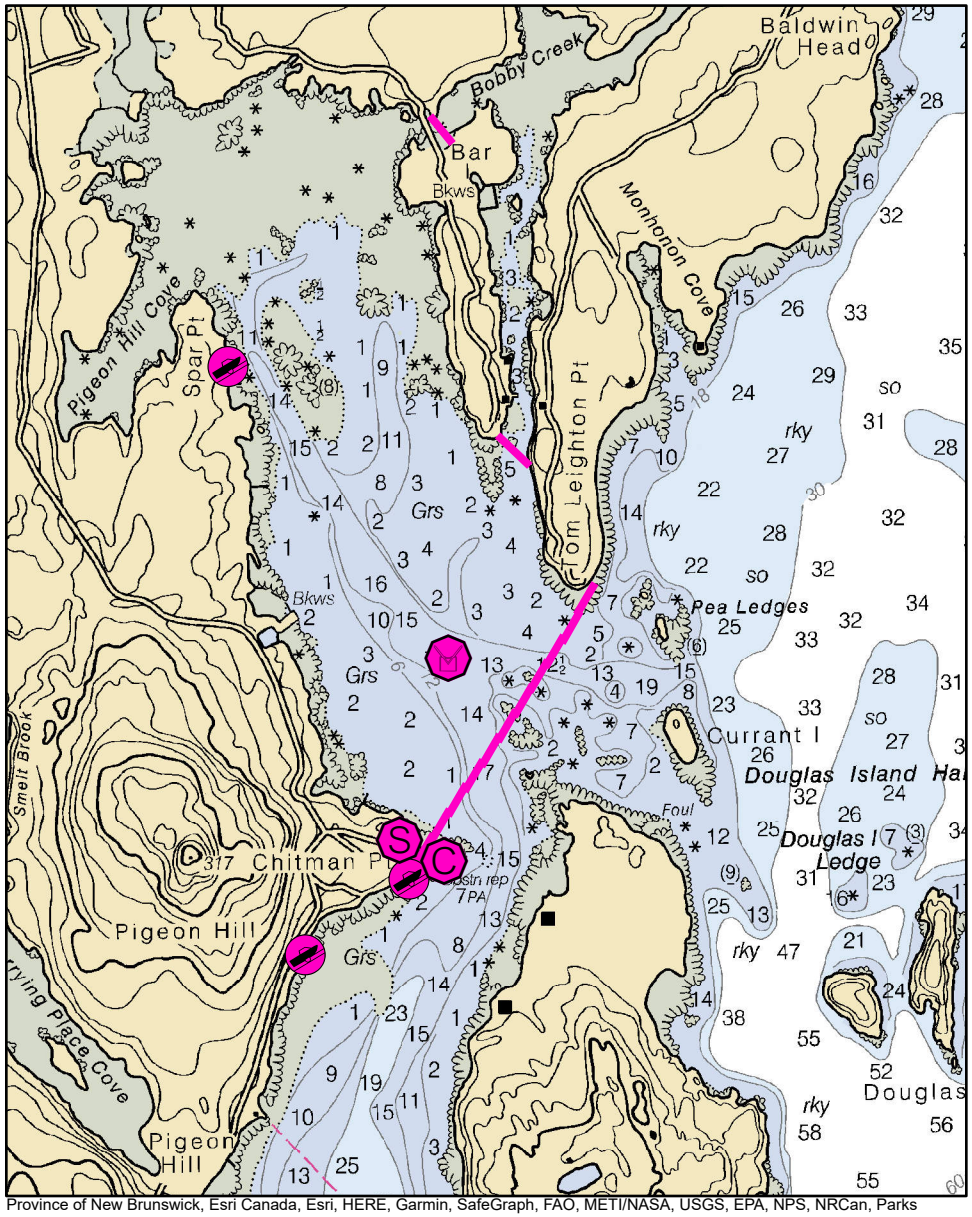
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Province of New Brunswick, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, NRCan, Parks Canada, Maxar, NOAA

# D-04-1 Pigeon Hill Bay

**Town** Steuben / Milbridge
**Latitude** 44° 27.596 **Longitude** 67° 52.381
**Approx. Tidal Range (feet)** 12
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Downeast
**NOAA Chart #** 13324_1
**ESI Map #** 19A
**EVI Map #** 78
**DeLorme Map # (2019)** 17 A3

## Resources At Risk

**ESI Primary Shoreline Type** Mixed sand and gravel beaches (5)
**ESI Secondary Shoreline Type** Coarse grained sand beach (4)

**Environmental Concerns** Upper bay has many sensitive areas including shorebird habitat, shellfish beds, mudflats, marshes and lobster pounds. If unable to deploy entire strategy, protect the most sensitive area between Bar Island and Tom Leighton Point.

**Archaeological Conflicts** Maintain activities within developed areas on Chitman Point; avoid surface disturbance. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert / exclude oil from upper Pigeon Hill Bay

**Staging Areas** Aerial photos show part-tide launch at Chitman Point. Also a part-tide ramp at Pigeon Hill Road in Steuben (very limited parking here).

**Site Access** Part-tide ramp at Chitman Point

**Nearest Boat Ramp** Same as staging. Nearest all-tide ramp is Narraguagus River in downtown Milbridge.

**Collection Points** Chitman Point at ramp

**Special Instructions** Current speed is unknown here. If large boom deployment is not feasible, see alternatives under "Work Assignment"

**Work Assignment** Large boom strategy is first line of defense for the upper bay. If entire strategy is not feasible, see alternatives below:
1. Deploy eleven 400 foot sections of boom between Tom Leighton Point and Chitman Point.
2. Use shallow water skimmer in mid channel confluence area
3. Deploy 500 feet of boom between Tom Leighton Point and Bar Island, and 200 feet of boom across causeway on Bar Island Road

## Recommended Equipment / Resources

**Length of Boom (feet)** 4400 / 750

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

Primary strategy:

20 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - 4 workboats with minimum 90 hp
2 - 4 boat operators
6 - laborers

Alternative (between Bar Island & Tom Leighton Pt):

Small workboat
4 - shoreside connections
1 - boat operator
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 4/29/2019 **Last Field Visit** **Last Field Test:**

# D-05-1

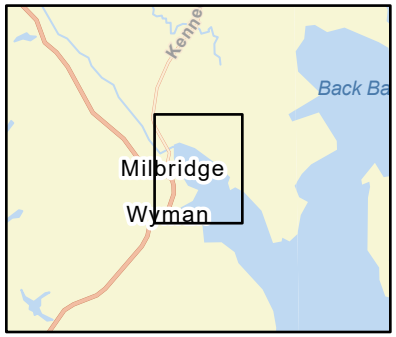
## Narraguagus River

## Milbridge, ME

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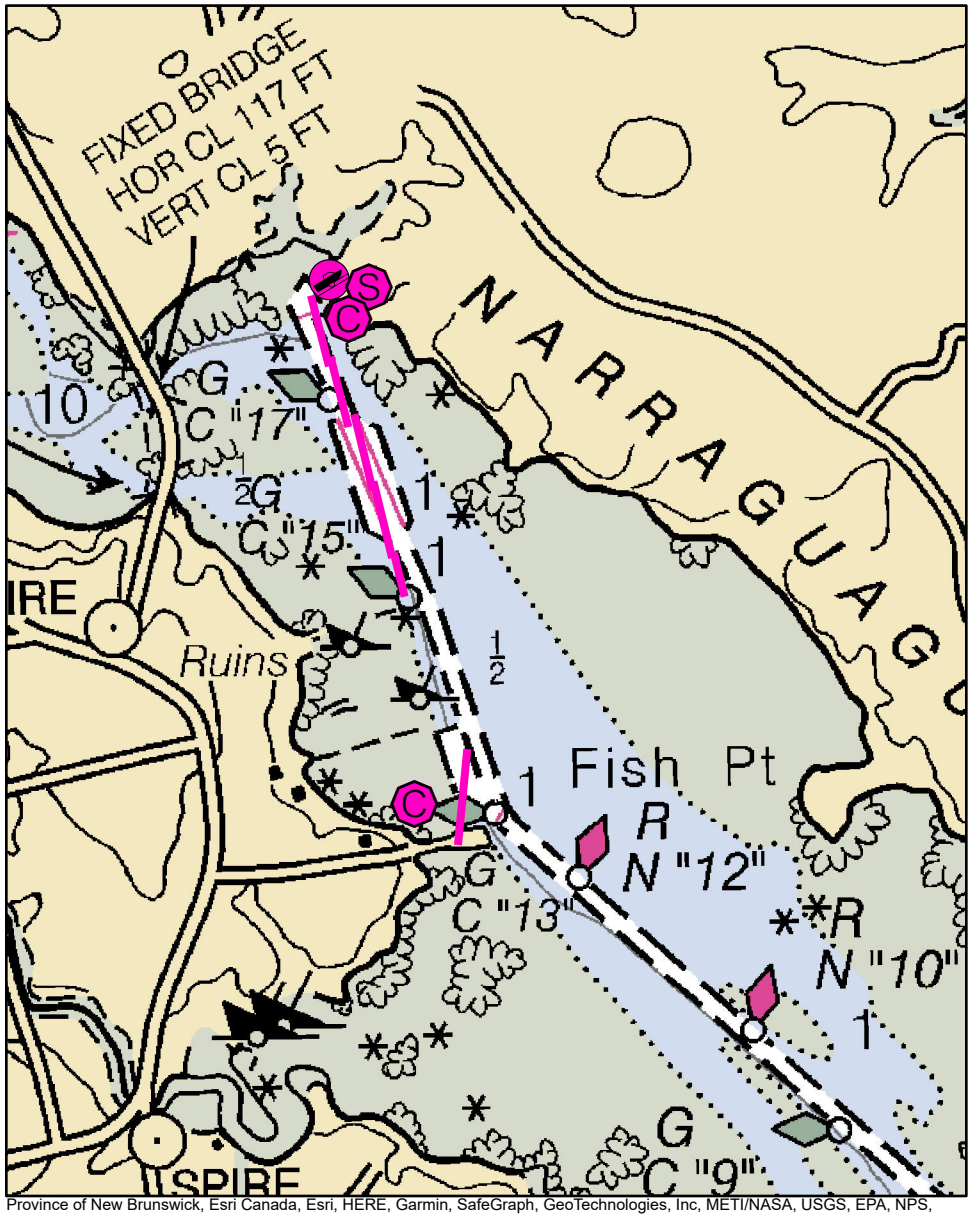
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Province of New Brunswick, Esri Canada, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, NRCan, Parks Canada, Maxar, NOAA

# D-05-1 Narraguagus River

**Town** Milbridge
**Latitude** 44° 32.61' N **Longitude** 67° 52.75' W
**Approx. Tidal Range (feet)** 12
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Downeast
**NOAA Chart #** 13324_1
**ESI Map #** 13A
**EVI Map #** 78, 82
**DeLorme Map # (2019)** 25 E3

## Resources At Risk

**ESI Primary Shoreline Type** Exposed tidal flats (7)
**ESI Secondary Shoreline Type** Vegetated low banks (9B)

**Environmental Concerns** Federally endangered Atlantic Salmon April - November. Upstream: fringing marshes, shorebird habitat, elver run. Downstream: Mudflats, shellfish beds, moderately and highly vulnerable shorebird areas

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To divert oil from Upper Narraguagus River

**Staging Areas** Narraguagus River boat launch, Bay View Road off of Route 1A, Milbridge

**Site Access** Narraguagus River boat launch (east side) or Mill Street, downtown Milbridge (west side)

**Nearest Boat Ramp** Narraguagus River boat launch

**Collection Points** Narraguagus River boat launch or Mill Street, downtown Milbridge

**Special Instructions** Major risk is from local boats or Route 1A bridge

**Work Assignment** Cascade two 300 foot sections, two 400 foot sections and one 100 foot section of boom from boat launch into channel to deflect oil to the shore for collection. Place a third 500 foot length of boom from the western shore near GC 13 to keep oil in the channel. For spill from upstream, collect at wharf from end of Mill St., downtown Milbridge

## Recommended Equipment / Resources

**Length of Boom (feet)** 2300
**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
9 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
6 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 5/1/2019 **Last Field Visit** 7/14/2009 **Last Field Test:** 7/14/2009

# D-06-1

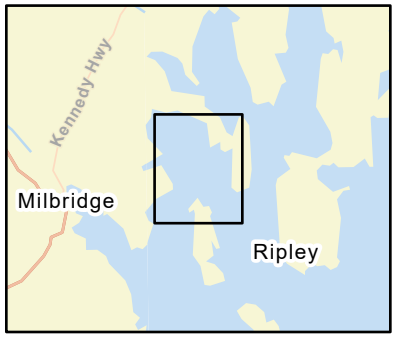
## Back Bay

## Milbridge, ME

0 2,000 4,000 Feet

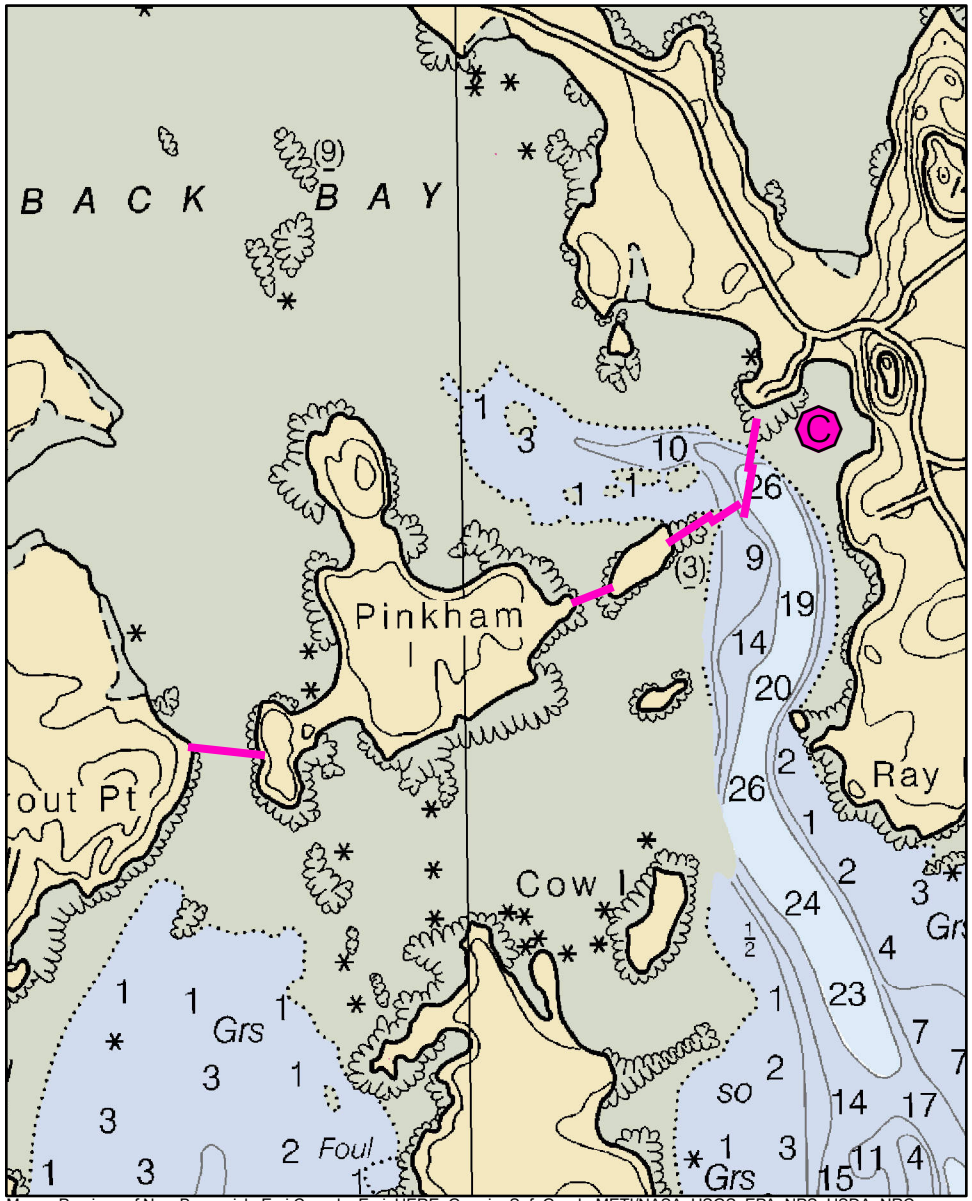
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




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# D-06-1 Back Bay

**Town** Milbridge

**Latitude** 44° 32.987' **Longitude** 67° 49.409'

**Approx. Tidal Range (feet)** 12

**Max Current (knots)** **Flood** **Ebb**

**Source**

**Port Region** Downeast

**NOAA Chart #** 13324_1

**ESI Map #** 13A

**EVI Map #** 83, 79, 82, 78

**DeLorme Map # (2019)** 25 E3, E4

## Resources At Risk

**ESI Primary Shoreline Type** Mixed sand and gravel beaches (5)

**ESI Secondary Shoreline Type**

**Environmental Concerns** Extensive mudflats, shellfish beds and highly vulnerable shorebird areas, especially upper reaches of Beaver Meadow Brook (salt marshes)

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To exclude / divert oil from entering Back Bay

**Staging Areas** Harrington town ramp at Ripley Cove, Marshville Road, Harrington. May be able to pull boom from Ray's Point Road in Milbridge from small beach with access at the first right after Wallace Cove Lane

**Site Access** All tide ramp at Ripley Cove off Marshville Road in Harrington. May have access from small beach on Ray's Point Road in Milbridge (condition unknown)

**Nearest Boat Ramp** Town of Harrington boat ramp, Marshville Road, Harrington

**Collection Points** Possibly from small cove on northwest side of Ray Point neck.

**Special Instructions** Current speeds unknown. Observe before deployment.

**Work Assignment** Deploy 600' of boom from Strout Point to western point on Pinkham Island. Deploy 300' of boom from eastern point on Pinkham Island to western point of unnamed island east of Pinkham Island. Deploy one 400 foot section and one 300 foot section of boom from eastern shore of unnamed island in a easterly direction and anchor in the middle of channel. Deploy two 400 foot sections of boom from Ray Point Road boat ramp in a westerly direction & anchor in the middle of channel to form an open apex with the first section.

## Recommended Equipment / Resources

**Length of Boom (feet)** 2400

**Type of Boom** 12" - 18" containment boom

**Recommended Equipment (Minimum)**

6 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
6 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
6 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 5/1/2019 **Last Field Visit** 6/27/2007 **Last Field Test:**

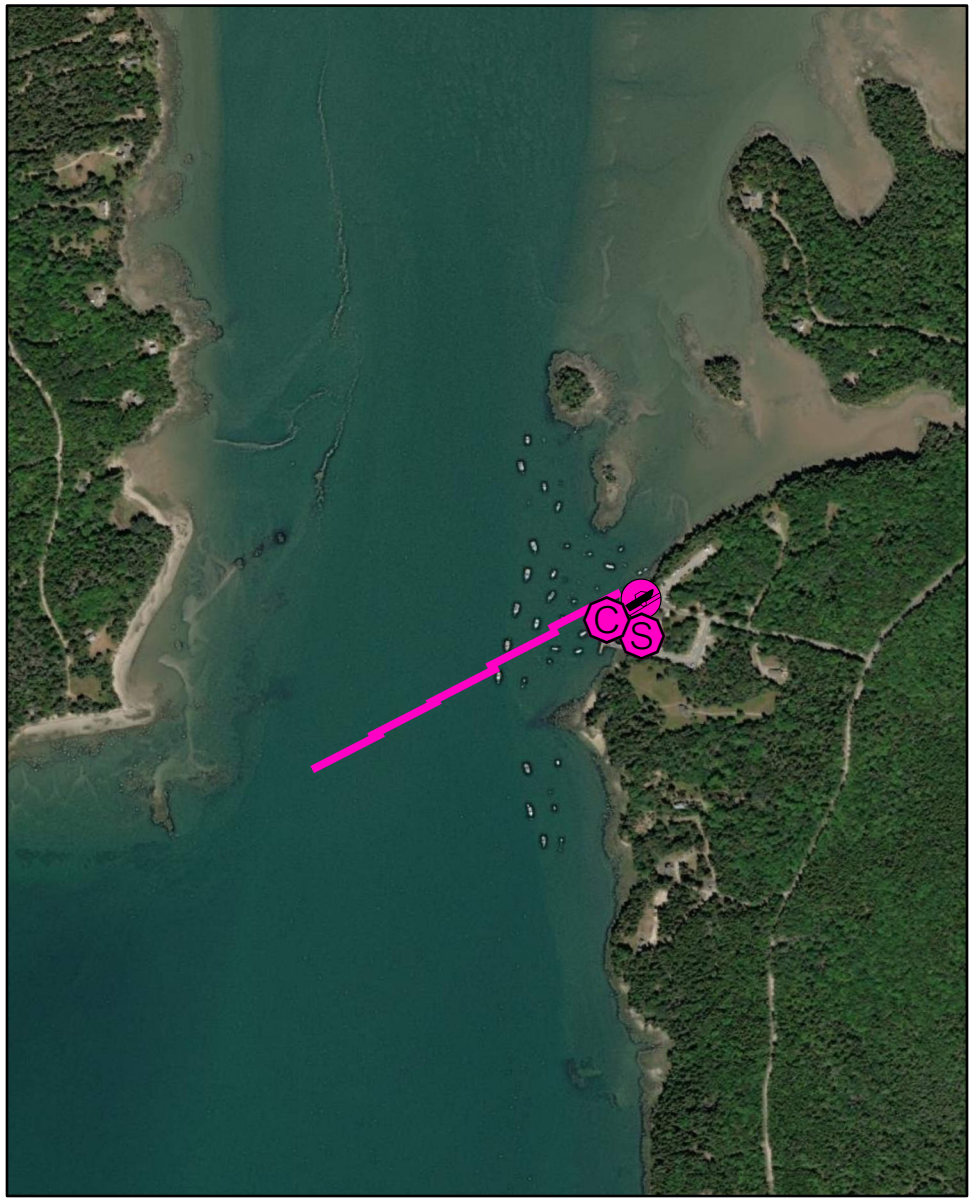
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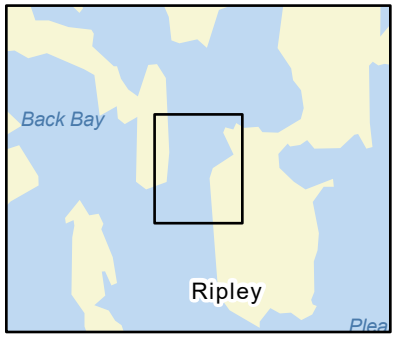
## Harrington Bay / River

## Harrington, ME

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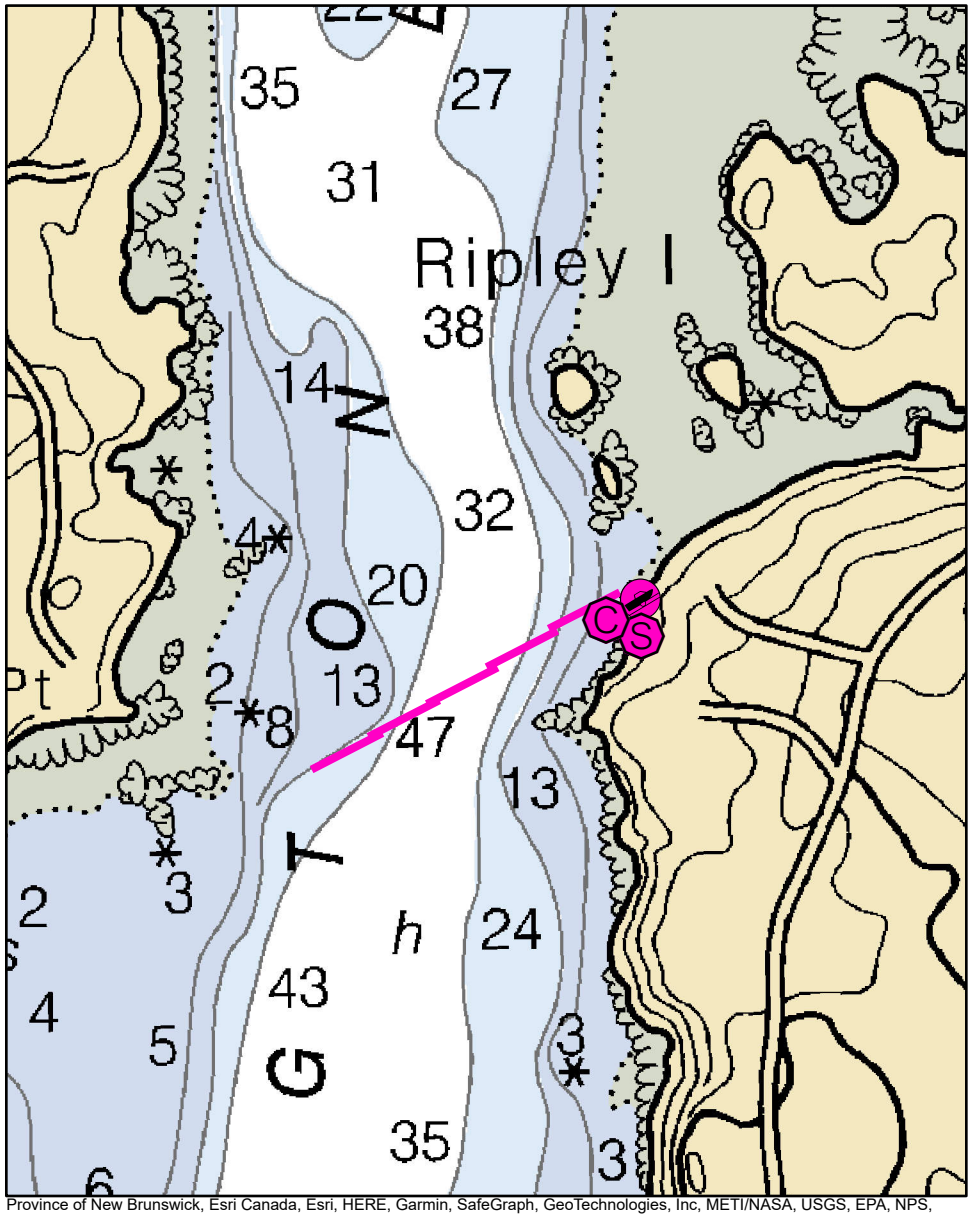
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




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# D-07-1 Harrington Bay/River

**Town** Harrington
**Latitude** 44° 32.622' N **Longitude** 67° 48.444' W
**Approx. Tidal Range (feet)** 12
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Downeast
**NOAA Chart #** 13324_1
**ESI Map #** 13A, 12D
**EVI Map #** 83, 79
**DeLorme Map # (2019)** 25 E4

## Resources At Risk

**ESI Primary Shoreline Type** Mixed sand and gravel beaches (5)
**ESI Secondary Shoreline Type**

**Environmental Concerns** This is the first line of defense for very valuable habitat in Flat Bay and Harrington River. Mussel seed areas, marshes, shellfish, shorebirds, diadromous fish, elvers, etc.

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To divert oil from Flat Bay and upper Harrington River

**Staging Areas** Harrington town boat launch at Ripley Cove, Marshville Road, Harrington

**Site Access** Harrington town boat launch at Ripley Cove

**Nearest Boat Ramp** Harrington town boat launch at Ripley Cove

**Collection Points** Harrington town boat launch at Ripley Cove

**Special Instructions** Extensive habitat upriver of this area.

**Work Assignment** Deploy five 400 foot sections of boom across channel

## Recommended Equipment / Resources

**Length of Boom (feet)** 2000

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

9 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
1 - shoreside connection
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 5/1/2019 **Last Field Visit** 6/27/2007 **Last Field Test:**

# D-08-1

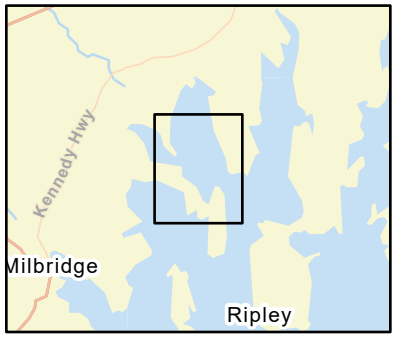
## Flat Bay & Mill River

## Milbridge / Harrington, ME

0 2,000 4,000 Feet

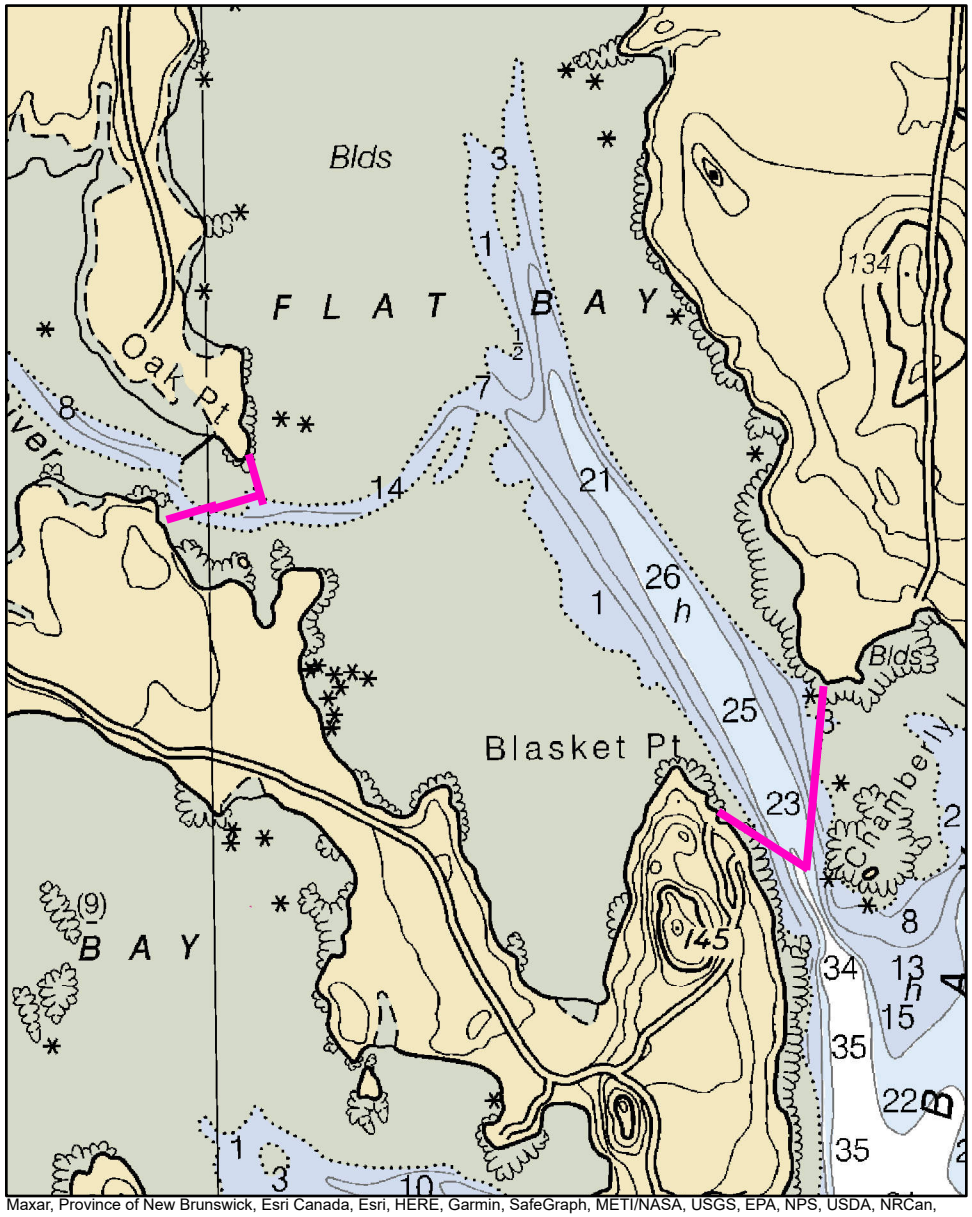
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Maxar, Province of New Brunswick, Esri Canada, Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, NRCan, Parks Canada, NOAA

# D-08-1 Flat Bay & Mill River

**Town** Milbridge / Harrington
**Latitude** 44° 33.822' N **Longitude** 67° 48.846' W
**Approx. Tidal Range (feet)** 12
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Downeast
**NOAA Chart #** 13324_1
**ESI Map #** 13A
**EVI Map #** 83
**DeLorme Map # (2019)** 25 E3, E4

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)
**ESI Secondary Shoreline Type** Vegetated low banks (9B)

**Environmental Concerns** Flat Bay and Mill River have extensive valuable habitat, including mussel seed areas. Large aquaculture operation in Mill River area.

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** Secondary strategies to exclude oil from Flat Bay and Mill River

**Staging Areas** Town of Harrington boat launch at Ripley Cove, Marshville Road, Harrington

**Site Access** Town of Harrington boat launch

**Nearest Boat Ramp** Town of Harrington boat launch

**Collection Points** None - exclusion

**Special Instructions**

**Work Assignment** Back-up strategies for D-07-1. Deploy three 300' sections of boom in southeast direction from Blasket Point & anchor in the center of channel; deploy four 400' sections in a southerly direction from mainland point of land north of Chamberly Island & anchored in center of channel to form an apex with the first section of boom. Deploy 400' of boom in a southeasterly direction from Oak Point and anchor in center of channel; deploy two 400 foot sections of boom in a northeasterly direction from point of land directly south of Oak Point and anchor in the center of channel to form an apex with the first section.

## Recommended Equipment / Resources

**Length of Boom (feet)** 3700
**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
16 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
3 - shoreside connections
2 - 3 workboats with minimum 90 hp
2 - 3 boat operators
6 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 5/1/2019 **Last Field Visit** 6/27/2007 **Last Field Test:**

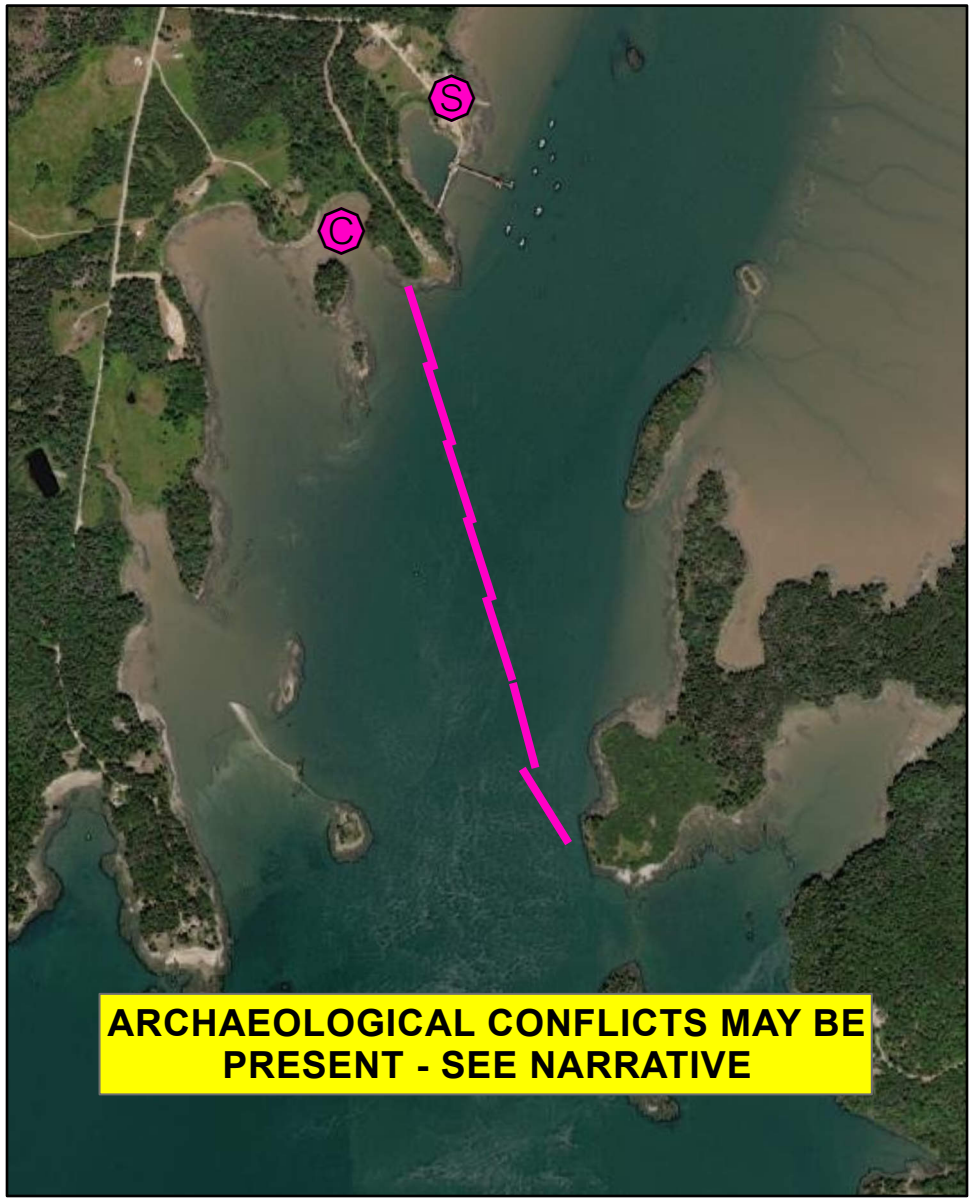
# D-09-1

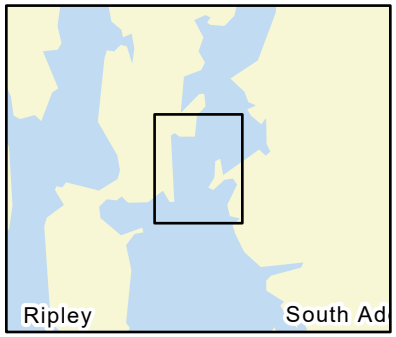
## Pleasant River

## Harrington / Addison, ME

0 1,000 2,000 Feet

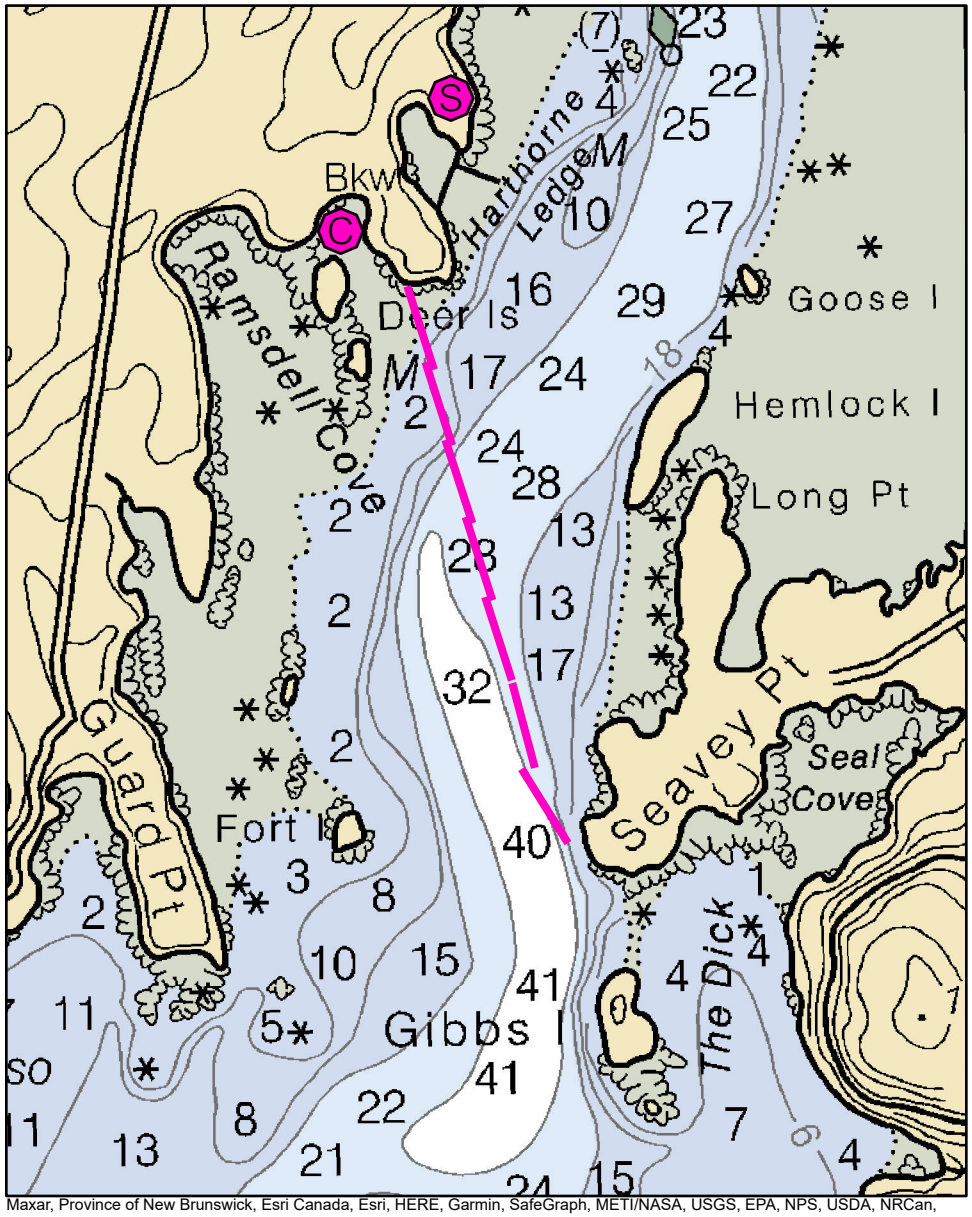
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Maxar, Province of New Brunswick, Esri Canada, Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, NRCan, Parks Canada, NOAA

# D-09-1 Pleasant River

**Town** Harrington / Addison
**Latitude** 44° 33.298 **Longitude** 67° 55.752
**Approx. Tidal Range (feet)** 12
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Downeast
**NOAA Chart #** 13324_1
**ESI Map #** 12D
**EVI Map #** 83
**DeLorme Map # (2019)** 25 E4

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)

**ESI Secondary Shoreline Type** Vegetated low banks (9B)

**Environmental Concerns** Federally endangered Atlantic Salmon may be present April - November. Many sensitive areas upstream including salt marshes, shorebird areas, shellfish beds, mudflats, etc.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To exclude oil from upper Pleasant River

**Staging Areas** Possibly at lobster pound on His Cove Lane near northern end of boom. Contact Atwood Lobster Company: (207) 483-2174

**Site Access** Possibly at lobster pound on His Cove Lane near northern end of boom. Contact Atwood Lobster Company: (207) 483-2174

**Nearest Boat Ramp** Ramp at lobster pound at His Cove Lane in Harrington. Nearest public ramp is upriver at Town of Addison boat ramp, Ridge Road, Addison

**Collection Points** Main purpose is exclusion. May be able to collect from Ramsdell Cove.

**Special Instructions** Angle needs to be shallow due to current in river

**Work Assignment** Deploy seven 500 foot sections of boom across Pleasant River From Seavey Point to Ramsdell Cove

## Recommended Equipment / Resources

**Length of Boom (feet)** 3500

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

12 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - 4 workboats with minimum 90 hp
2 - 4 boat operators
6 - 8 laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 5/2/2019 **Last Field Visit** 6/27/2007 **Last Field Test:**

# D-09-2

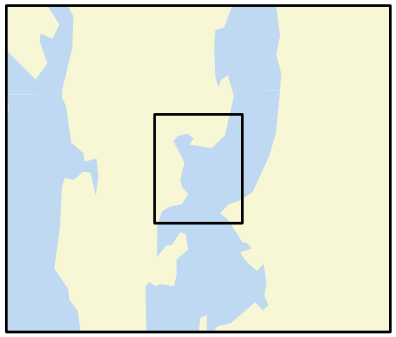
## Upper Pleasant River

## Harrington / Addison, ME

0 1,000 2,000 Feet

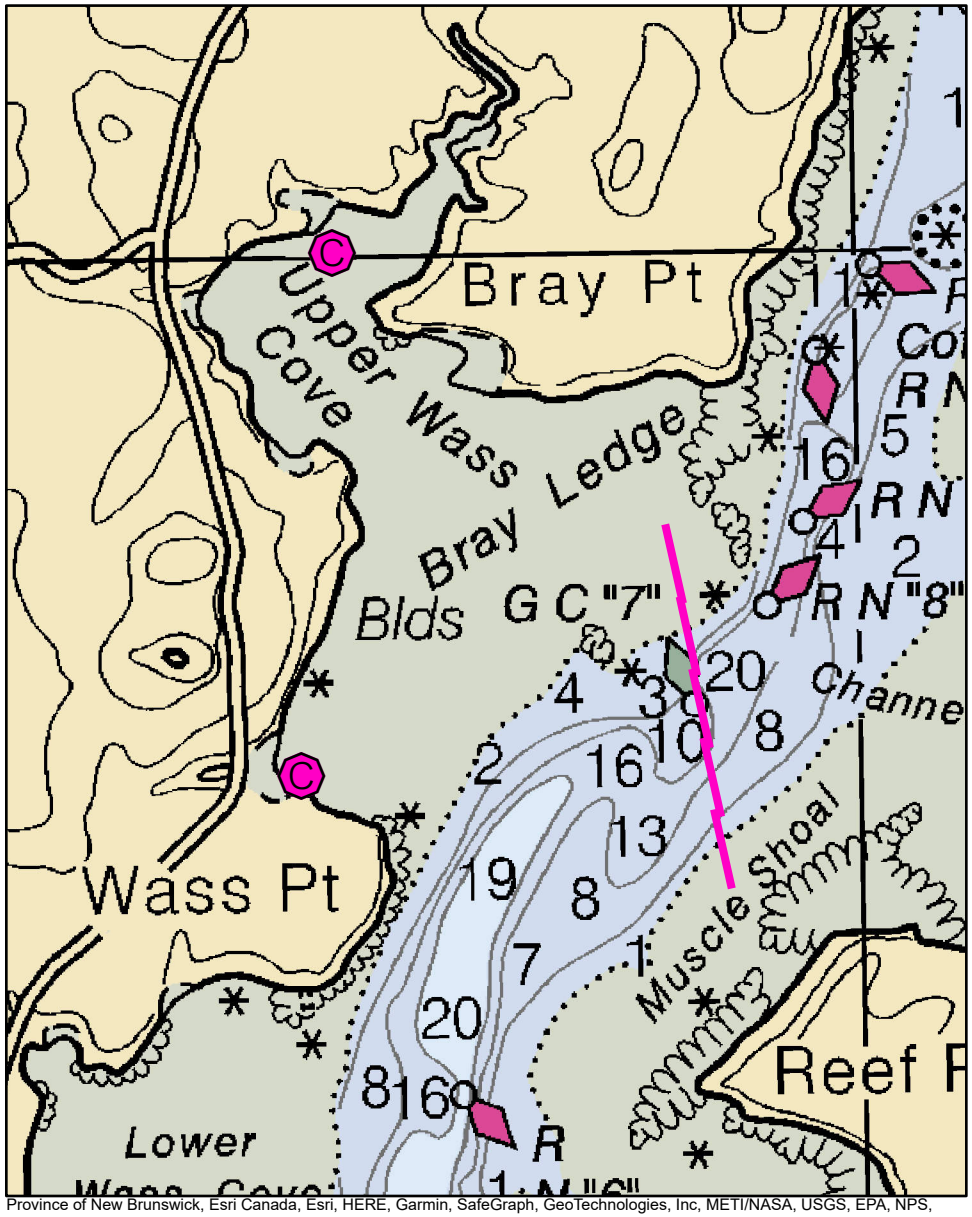
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Province of New Brunswick, Esri Canada, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, NRCan, Parks Canada, Maxar, NOAA

# D-09-2 Upper Pleasant River

**Town** Harrington / Addison

**Latitude** 44° 34.62' N **Longitude** 67° 45.198' W

**Approx. Tidal Range (feet)** 12

**Max Current (knots)** **Flood** **Ebb**

**Source**

**Port Region** Downeast

**NOAA Chart #** 13324_1

**ESI Map #** 12D

**EVI Map #** 83

**DeLorme Map # (2019)** 25 D4, E4

## Resources At Risk

**ESI Primary Shoreline Type** Vegetated low banks (9B)

**ESI Secondary Shoreline Type**

**Environmental Concerns** Federally endangered Atlantic Salmon may be present April - November. Upper Pleasant River has many sensitive areas including marshes, shorebird habitat, shellfish beds, mudflats, etc.

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** Secondary strategy to D-11-1. Divert oil into Upper Wass Cove preventing it from moving upriver

**Staging Areas** Small beach access at Wass Point off of Pleasant River Road in Harrington. Possibly from ramp and lobster pound on His Cove Lane in Harrington. Contact Atwood Lobster Company: (207) 483-2174. Addison town ramp on Ridge Road, downtown Addison.

**Site Access** Same as staging areas.

**Nearest Boat Ramp** Ramp at Atwood Lobster Company, Harrington. Nearest public ramp is Addison town ramp on Ridge Road in downtown Addison.

**Collection Points** May be able to do some collection from small beach at Wass Point, or from private property in inner areas of Upper Wass Cove

**Special Instructions** Current conditions are unknown. Observe before deployment. If unable to deploy here, investigate areas further upriver to protect marshes in upper reaches of Pleasant River.

**Work Assignment** Deploy five 400 foot sections of boom across the main channel to divert to Upper Wass Cove

## Recommended Equipment / Resources

**Length of Boom (feet)** 2000

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

10 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
1 - vacuum truck or skimmer and storage
2 - 4 workboats with minimum 90 hp
2 - 4 boat operators
6 - 8 laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 5/2/2019 **Last Field Visit** **Last Field Test:**

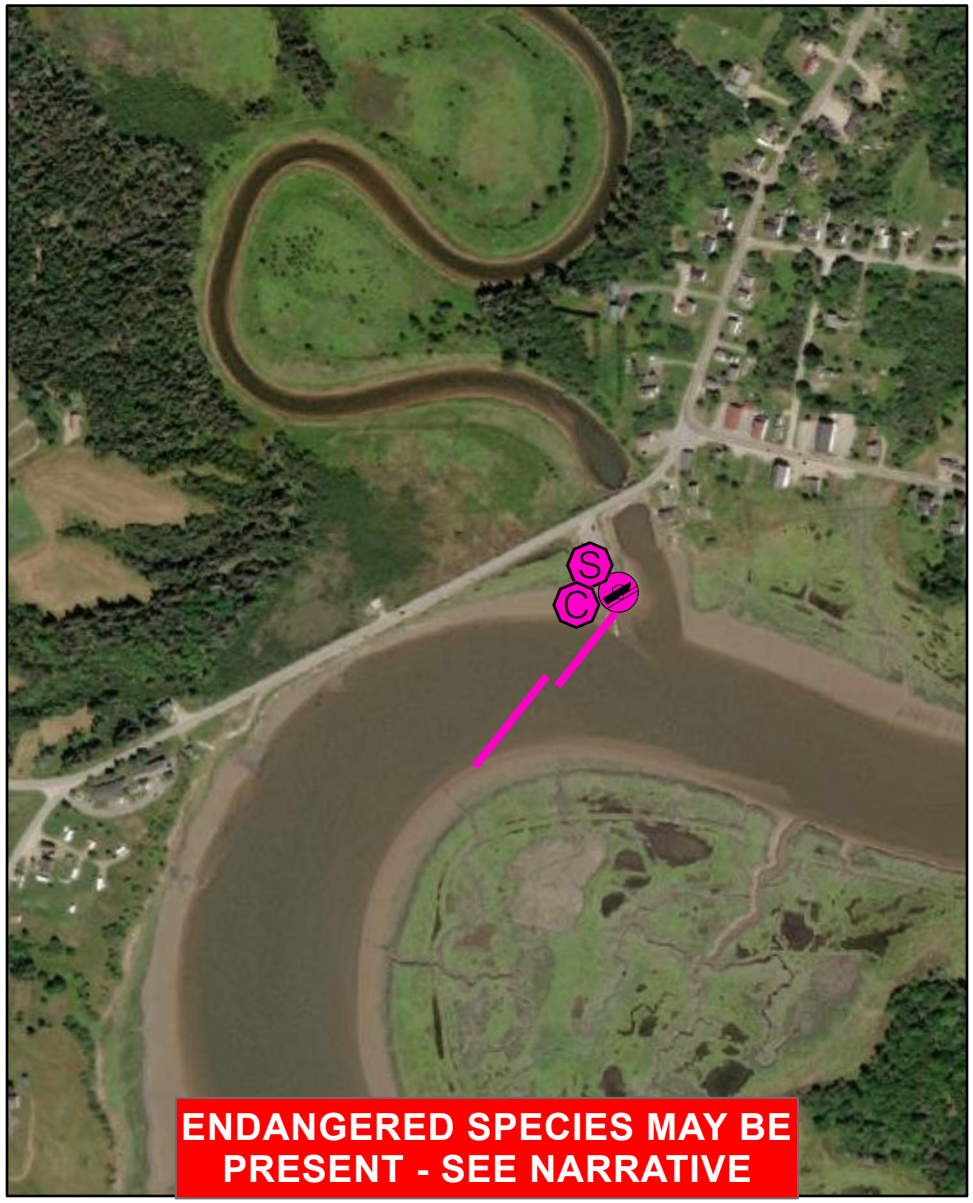
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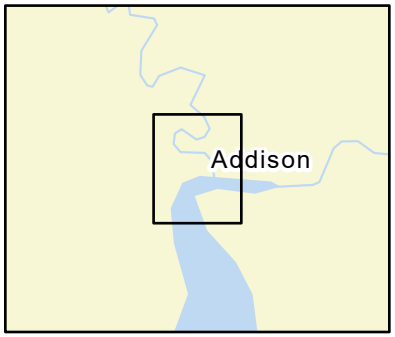
## Pleasant River / Addison

## Addison, ME

0 725 1,450 Feet

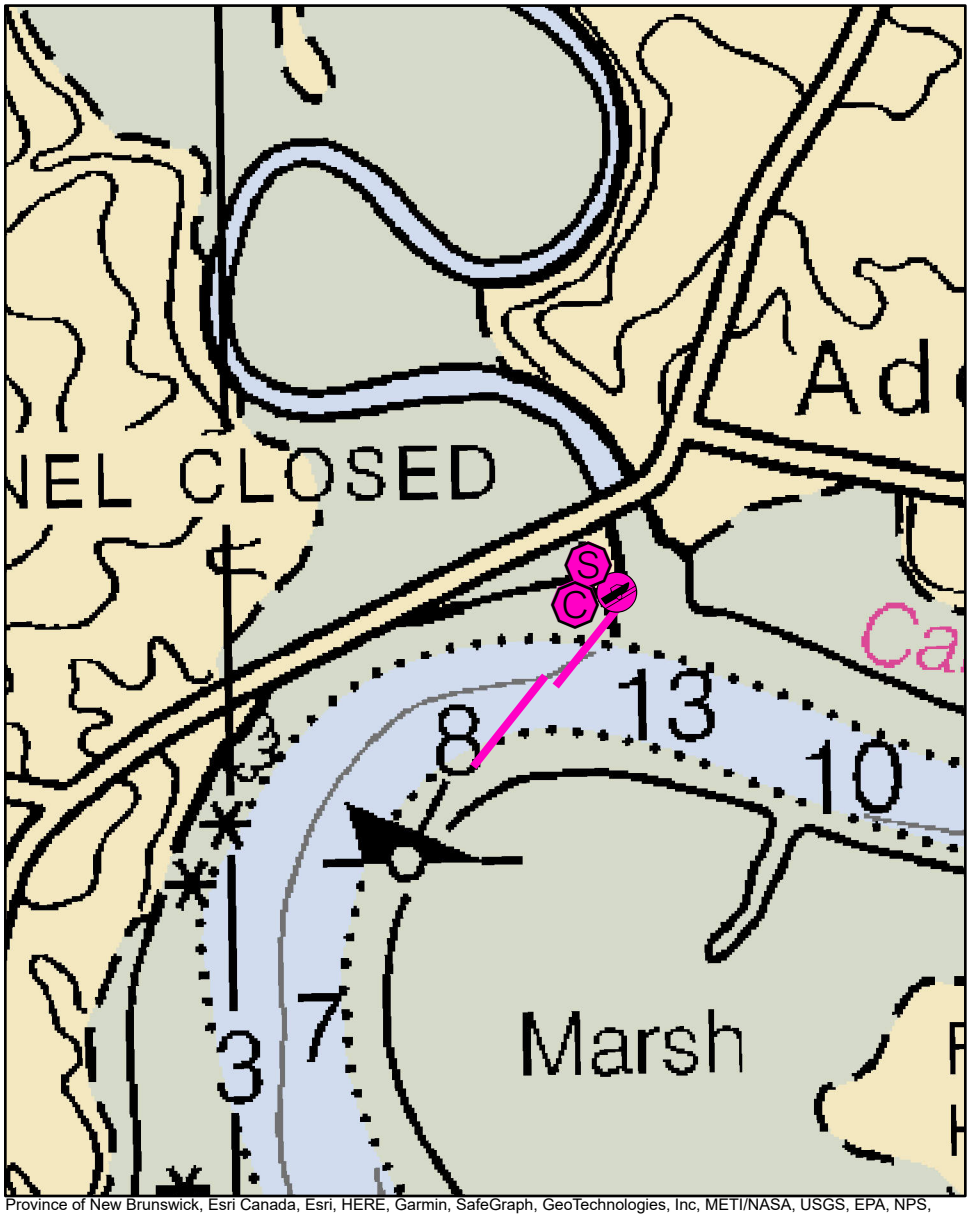
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Province of New Brunswick, Esri Canada, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, NRCan, Parks Canada, Maxar, NOAA

# D-09-3 Pleasant River / Addison

**Town** Addison
**Latitude** 44° 36.998' N **Longitude** 67° 44.773' W
**Approx. Tidal Range (feet)** 12
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Downeast
**NOAA Chart #** 13324_1
**ESI Map #** 12D
**EVI Map #** 83
**DeLorme Map # (2019)** 25 D5

## Resources At Risk

**ESI Primary Shoreline Type** Vegetated low banks (9B)
**ESI Secondary Shoreline Type** Salt- and brackish-water marshes (10A)

**Environmental Concerns** Federally endangered Atlantic Salmon may be present April - November. Extensive salt marshes upstream of this area.

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To divert oil from upper and West Branch of Pleasant River.

**Staging Areas** Town of Addison boat ramp on site

**Site Access** Town of Addison boat ramp on site

**Nearest Boat Ramp** On site

**Collection Points** At boat launch

**Special Instructions**

**Work Assignment** Deploy two 350 foot lengths of boom across the Pleasant River

## Recommended Equipment / Resources

**Length of Boom (feet)** 700

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

3 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
1 - shoreside connections
1 - vacuum truck or skimmer and storage
1 - workboats with minimum 90 hp
1 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 5/2/2019 **Last Field Visit** **Last Field Test:**

# D-10-1

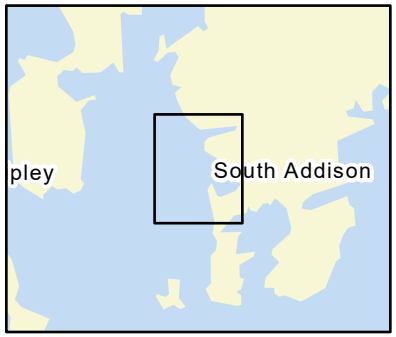
## Mash Harbor

## Addison, ME

0 1,000 2,000 Feet

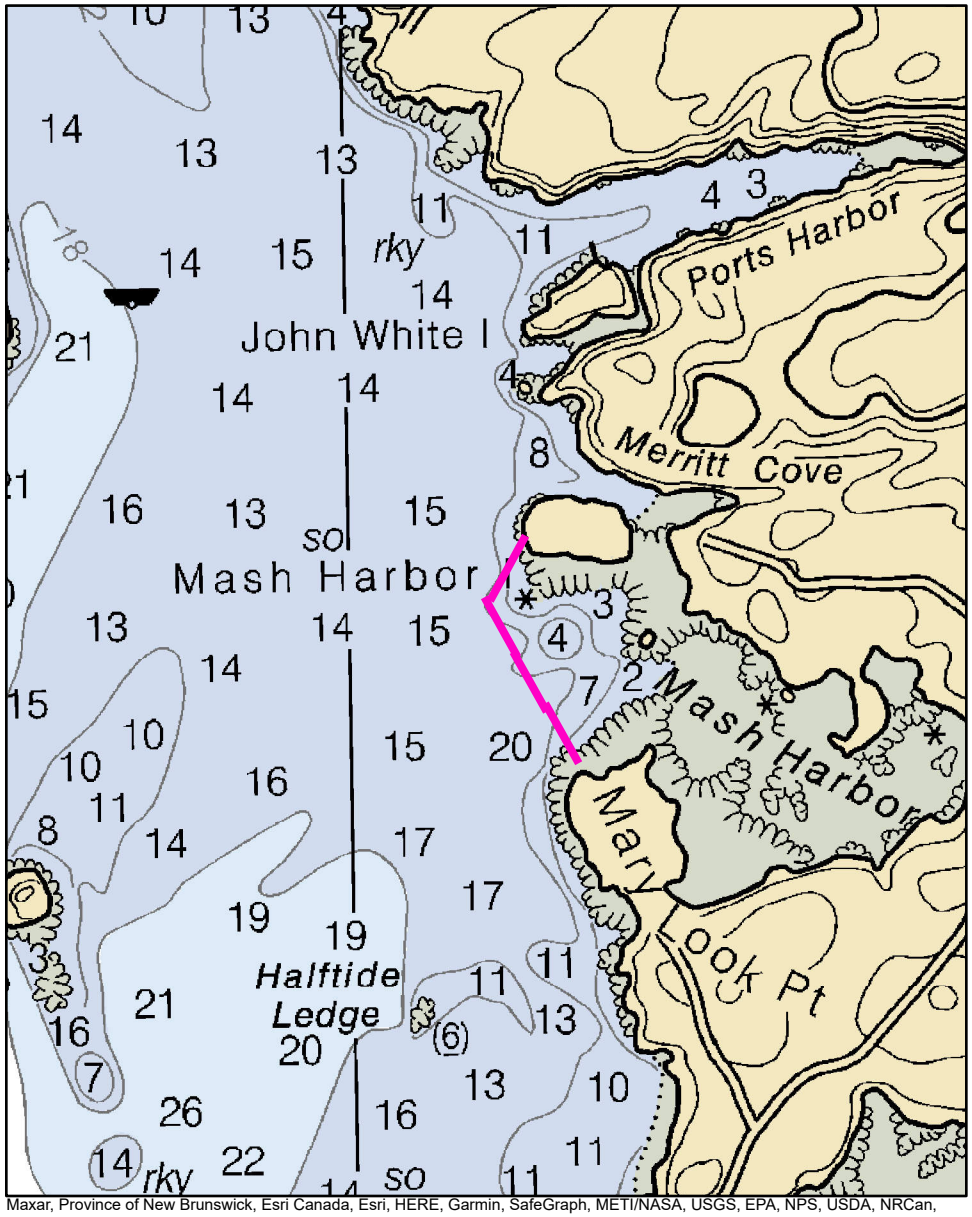
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Maxar, Province of New Brunswick, Esri Canada, Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, NRCan, Parks Canada, NOAA

# D-10-1 Mash Harbor

**Town** Addison
**Latitude** 44° 31.486 **Longitude** 67° 44.729
**Approx. Tidal Range (feet)** 12
**Max Current (knots)** **Flood** < 1 knot **Ebb**
**Source** Local knowledge estimate

**Port Region** Downeast
**NOAA Chart #** 13324_1
**ESI Map #** 12D, 18B
**EVI Map #** 79
**DeLorme Map # (2019)** 25 E5

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)
**ESI Secondary Shoreline Type** Mixed sand and gravel beaches (5)

**Environmental Concerns** Secondary to other Pleasant River strategies. Mudflat, eelgrass, shellfish bed, shorebird area

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To exclude oil from Mash Harbor

**Staging Areas** South Addison town landing in Eastern Harbor, Narrows Road, Addison

**Site Access** By water from town landing

**Nearest Boat Ramp** South Addison town landing in Eastern Harbor, Narrows Road, Addison

**Collection Points** None. Exclusion strategy

**Special Instructions** Secondary to other Pleasant River strategies

**Work Assignment** Deploy one 500 foot and three 400 foot sections of boom across entrance to Mash Harbor

## Recommended Equipment / Resources

**Length of Boom (feet)** 1700

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

5 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connections
2 - 4 workboats with minimum 90 hp
2 - 4 boat operators
6 - 8 laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 5/2/2019 **Last Field Visit** **Last Field Test:**

# D-11-1

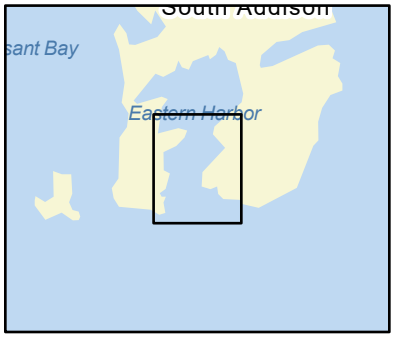
## Eastern Harbor

## Addison, ME

0 1,000 2,000 Feet

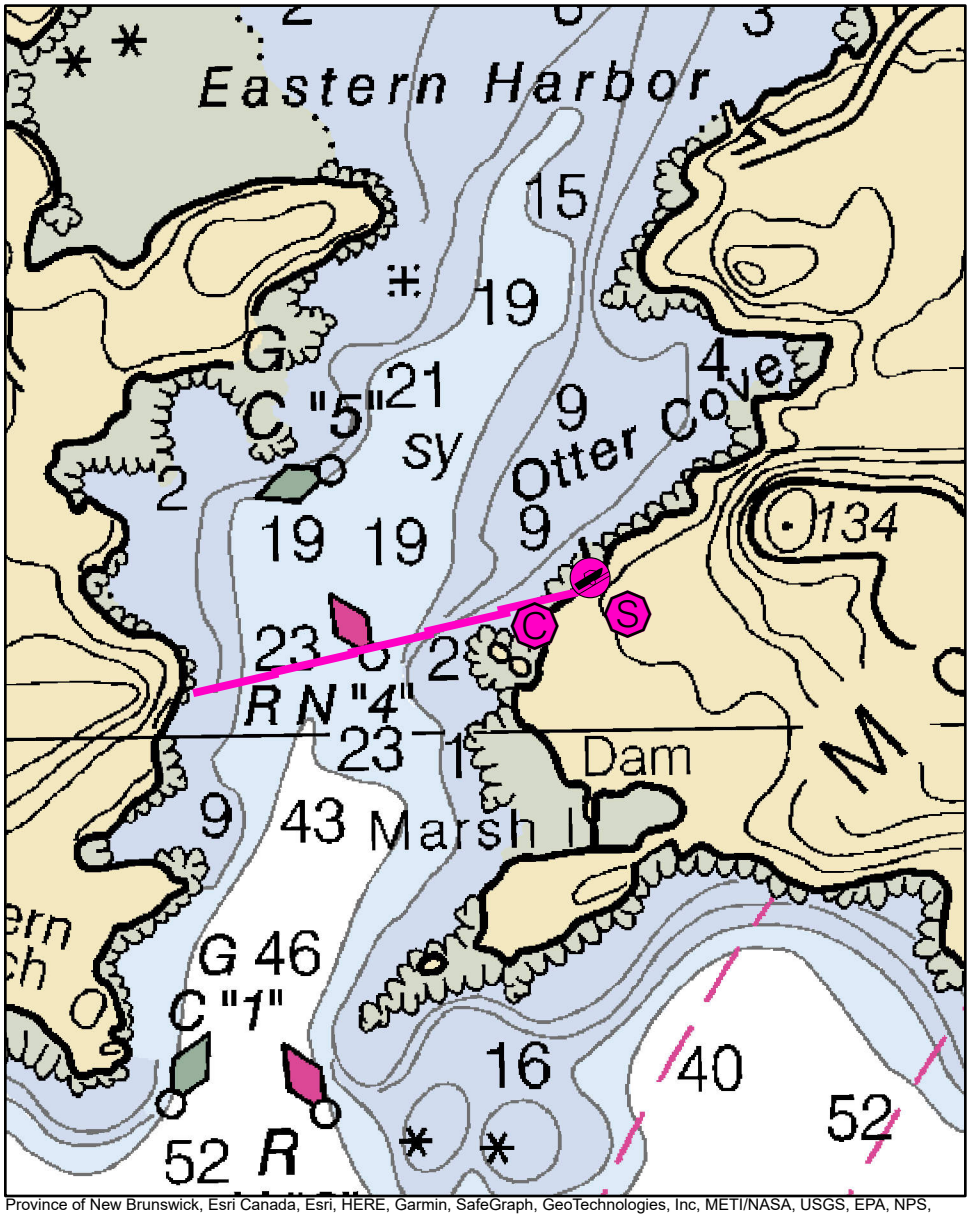
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




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# D-11-1 Eastern Harbor

**Town** Addison
**Latitude** 44° 30.282' N **Longitude** 67° 43.770' W
**Approx. Tidal Range (feet)** 12
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Downeast
**NOAA Chart #** 13324_1
**ESI Map #** 18B
**EVI Map #** 79
**DeLorme Map # (2019)** 25 E5

## Resources At Risk

**ESI Primary Shoreline Type** Mixed sand and gravel beaches (5)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Eelgrass, clams, marine worms and shorebirds in Eastern Harbor.

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To divert oil from inner Eastern Harbor

**Staging Areas** South Addison boat ramp, Marsh Island Road, Addison

**Site Access** South Addison boat ramp, Marsh Island Road, Addison

**Nearest Boat Ramp** South Addison boat ramp, Marsh Island Road, Addison

**Collection Points** South Addison boat ramp, Marsh Island Road, Addison

**Special Instructions** Lobster pound, lobster dealer and possible herring weir in vicinity.

**Work Assignment** Deploy 2,000 feet of boom from Otter Cove boat launch to green can to divert oil into Otter Cove. If possible, deploy additional 1,000 feet of boom from green can to Cape Split to prevent oil from entering Eastern Harbor.

## Recommended Equipment / Resources

**Length of Boom (feet)** 2000

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

8 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 5/2/2019 **Last Field Visit** 6/27/2007 **Last Field Test:**

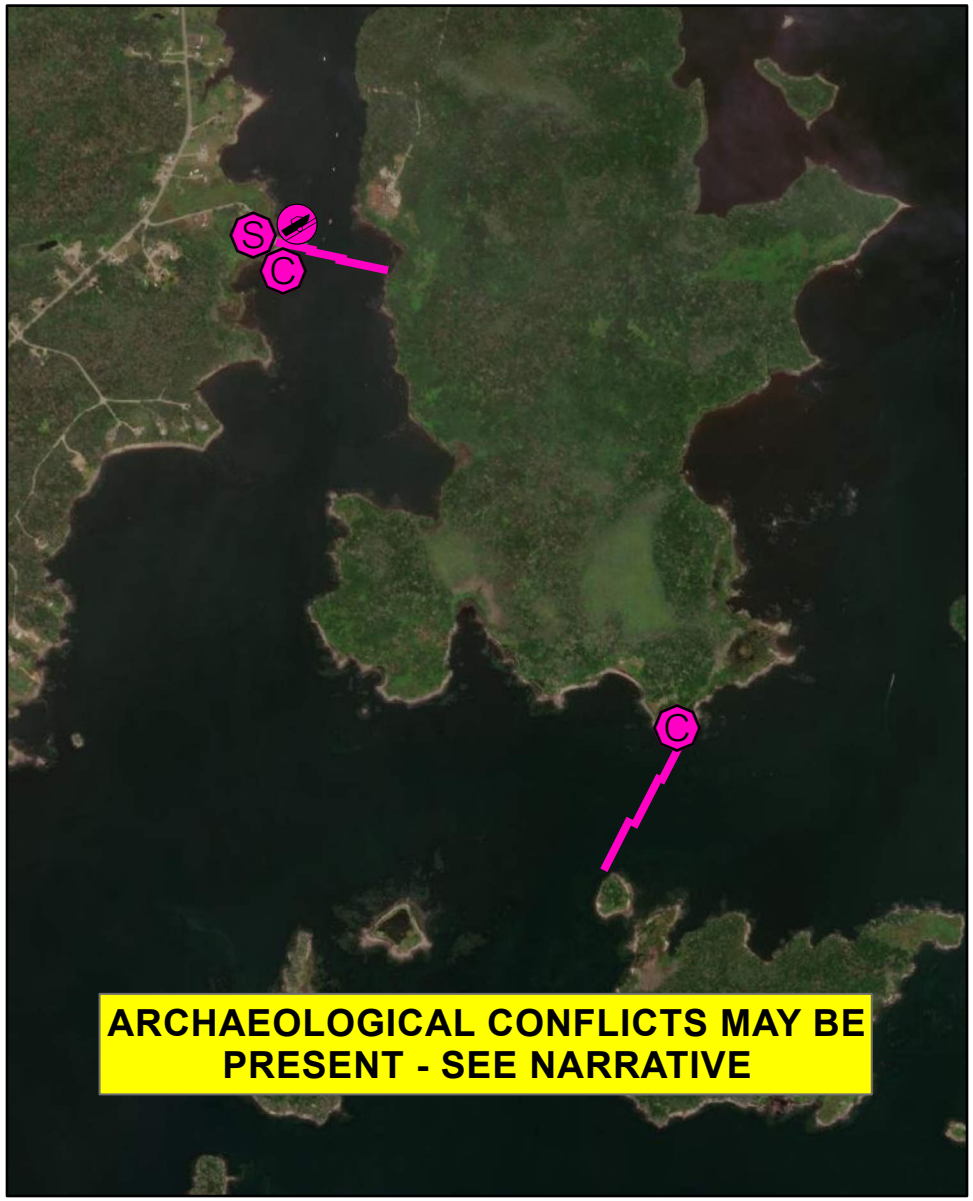
# D-12-1

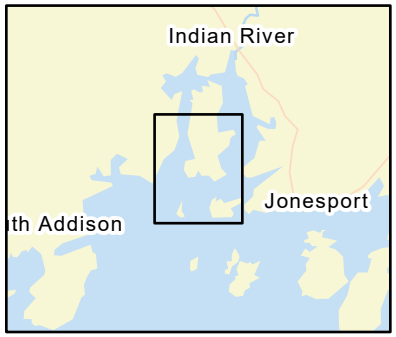
## Wohoa Bay: Indian and West Rivers

## Addison, ME

0 2,000 4,000 Feet

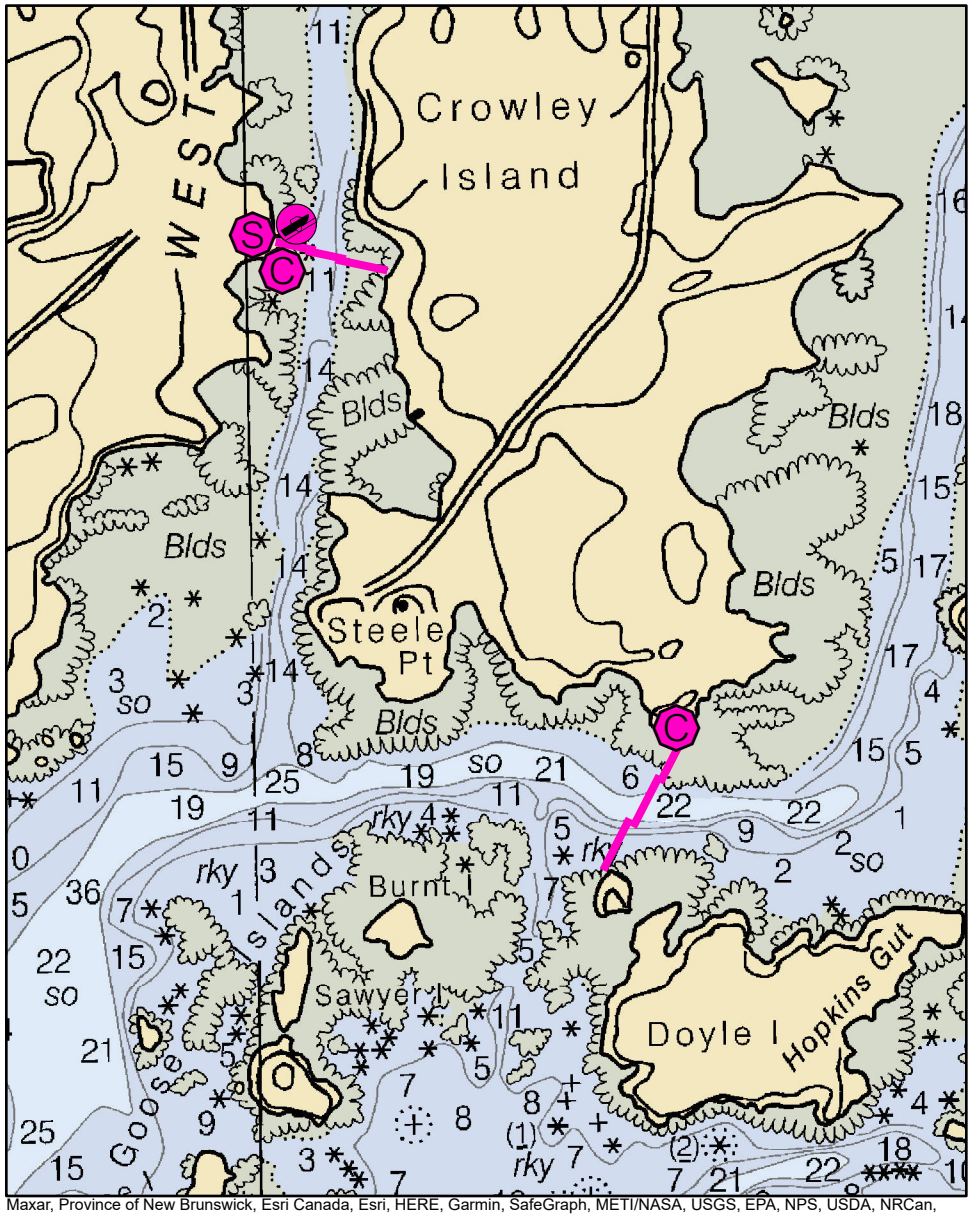
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




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# D-12-1 Wohoa Bay: Indian & West Rivers

**Town** Addison
**Latitude** 44° 32.250' N **Longitude** 67° 39.390' W
**Approx. Tidal Range (feet)** 12
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Downeast
**NOAA Chart #** 13326_1
**ESI Map #** 12C
**EVI Map #** 84, 80
**DeLorme Map # (2019)** 26 E1

## Resources At Risk

**ESI Primary Shoreline Type** Vegetated low banks (9B)
**ESI Secondary Shoreline Type** Mixed sand and gravel beaches (5)

**Environmental Concerns** Eelgrass, shellfish, shorebirds, diadromous fish and elver runs

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert oil from upper Indian and West Rivers

**Staging Areas** West River Landing, Basin Road, Addison

**Site Access** West River Landing, Basin Road, Addison

**Nearest Boat Ramp** West River Landing, Basin Road, Addison

**Collection Points** West River Landing, Addison and wharf on south end of Crowley Island, Addison (unsure of road access)

**Special Instructions** Currents unknown. Observe prior to deployment. Rocky and difficult access.

**Work Assignment** Deploy two 300 sections and one 400 foot section of boom across the West River to the West River Landing on Basin Road, Addison. Deploy three 500 foot sections of boom across the Indian River entrance from Doyle Island to wharf on south end of Crowley Island

## Recommended Equipment / Resources

**Length of Boom (feet)** 2500 **Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

West River:

4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

Indian River:

6 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
1 - vacuum truck or skimmer and storage if accessible
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 5/2/2019 **Last Field Visit** 6/26/2007 **Last Field Test:**

# D-12-2

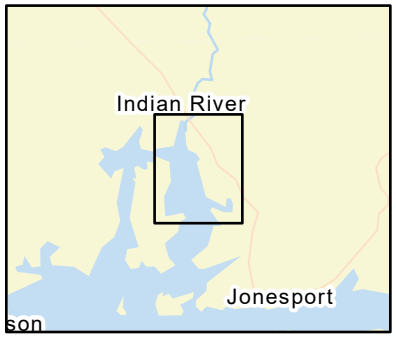
## Wohoa Bay: Indian River

## Jonesport, ME

0 1,000 2,000 Feet

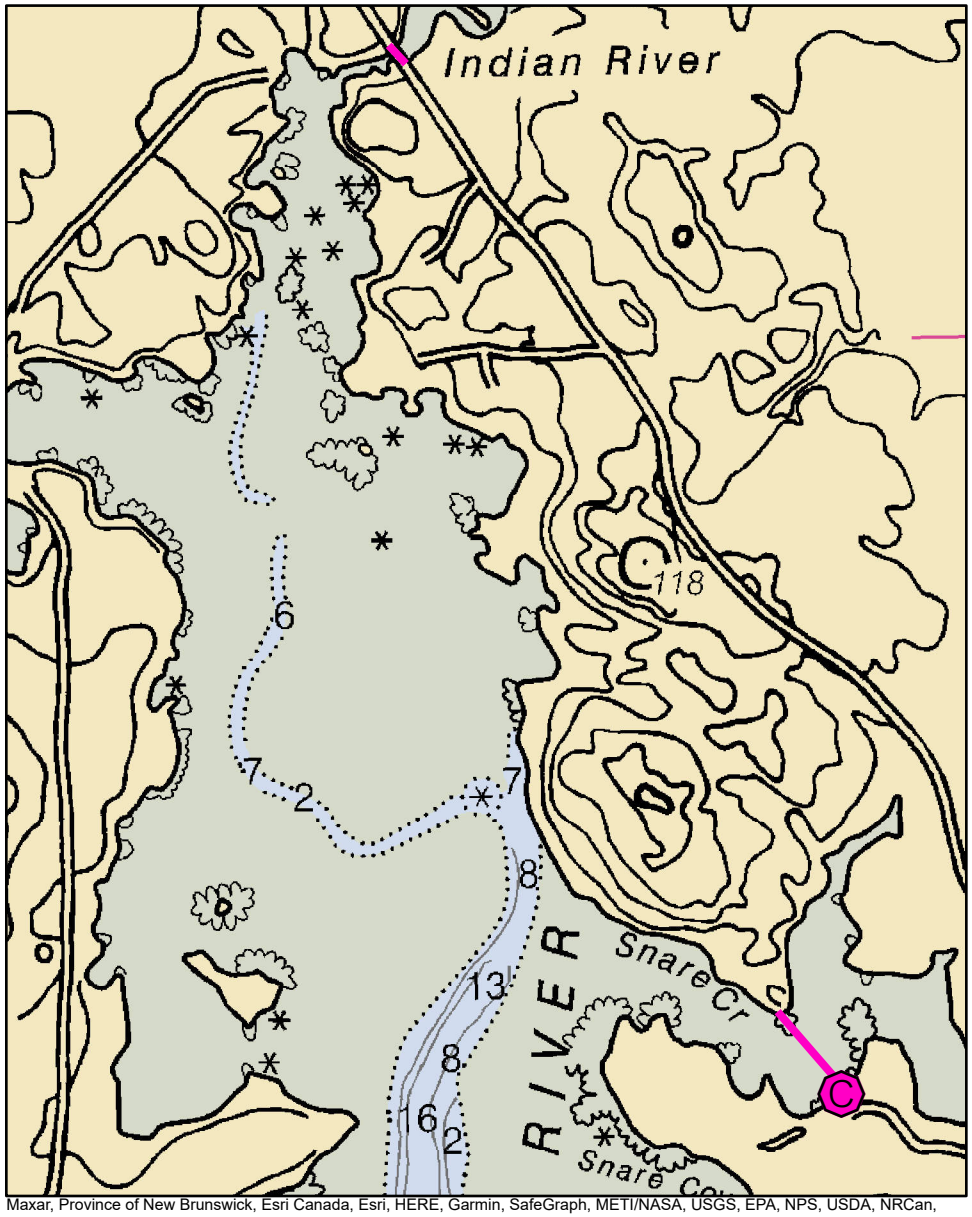
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




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# D-12-2 Wohoa Bay: Indian River

**Town** Addison / Jonesport
**Latitude** 44° 33.49' N **Longitude** 67° 38.647' W
**Approx. Tidal Range (feet)** Tidal flat
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Downeast
**NOAA Chart #** 13326_1
**ESI Map #** 12C
**EVI Map #** 84
**DeLorme Map # (2019)** 26 E1

## Resources At Risk

**ESI Primary Shoreline Type** Vegetated low banks (9B)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Coves of Indian River contain eelgrass, shorebird habitat and mudflats

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** Secondary strategies to D-12-1. Divert oil from Snare Creek and upper Indian River if D-12-1 is not effective.

**Staging Areas** Rite 187 and end of Janet's Lane off of Alexander Ave in Jonesport (south end of boom)

**Site Access** From Rte. 187 and end of Janet's Lane off Alexander Ave in Jonesport

**Nearest Boat Ramp** West River Landing, Basin Road, Addison

**Collection Points** At Route 187 and end of Janet's Lane off Alexander Ave in Jonesport

**Special Instructions** Strategies secondary to D-12-1 to be deployed if that is not effective. Snare Creek can only be accessed by boat at higher water

**Work Assignment** Deploy 750 feet across Snare Creek, and ensure that oil is not able to pass culvert at Rte. 187. Use 150 feet of boom here if necessary

## Recommended Equipment / Resources

**Length of Boom (feet)** 900

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

Snare Creek:

1 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
1 - shallow draft workboat
1 - boat operators
2 - laborers

Indian River at Rte. 187:

2 laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 5/3/2019 **Last Field Visit** **Last Field Test:**

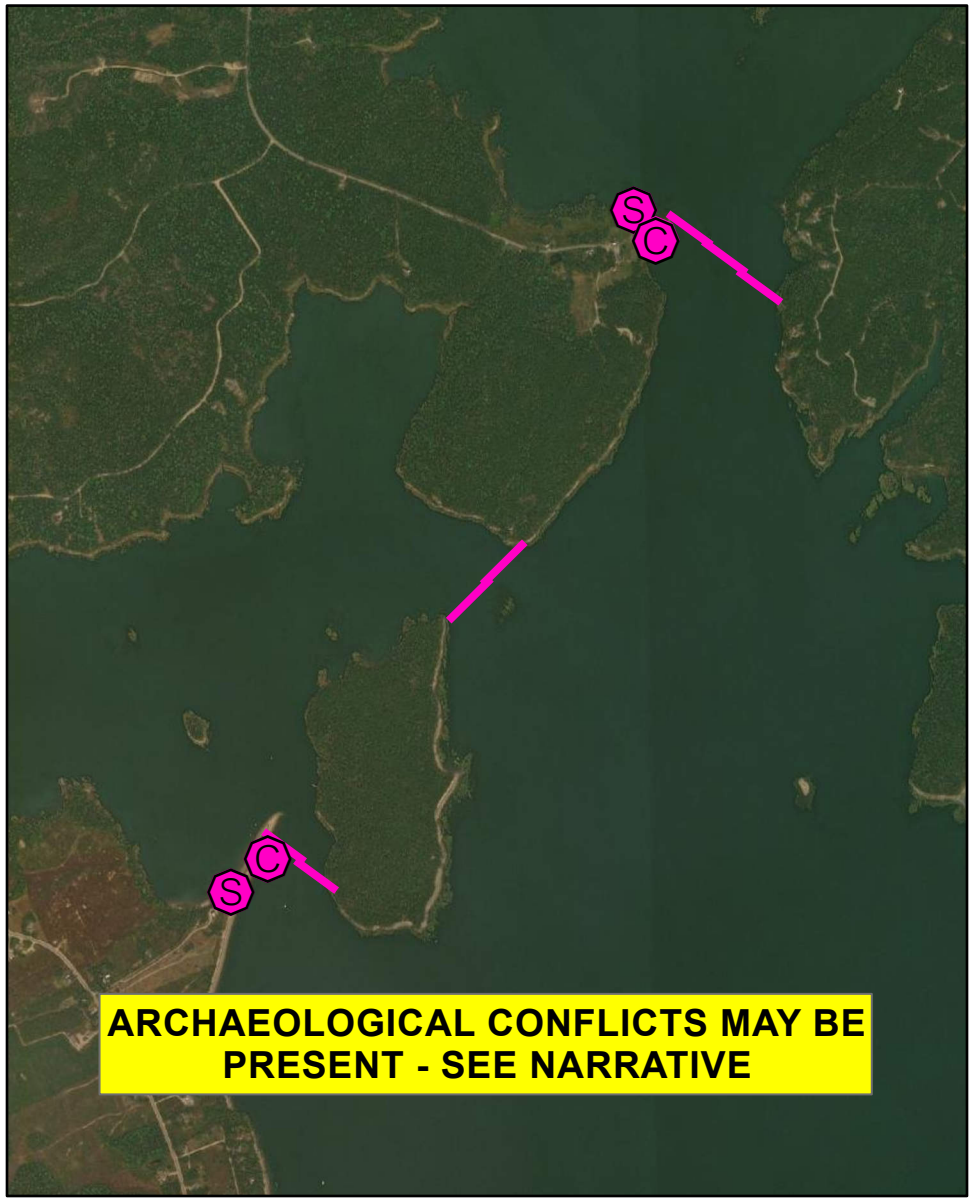
# D-13-1

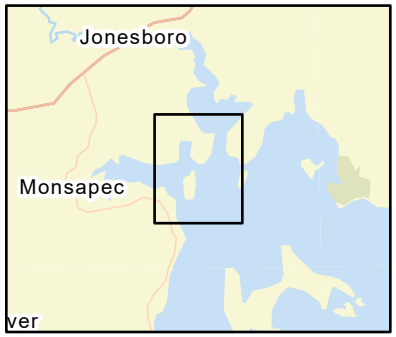
## Mason Bay & Chandler River

## Jonesboro / Jonesport / Roque Bluffs, ME

0 2,000 4,000 Feet

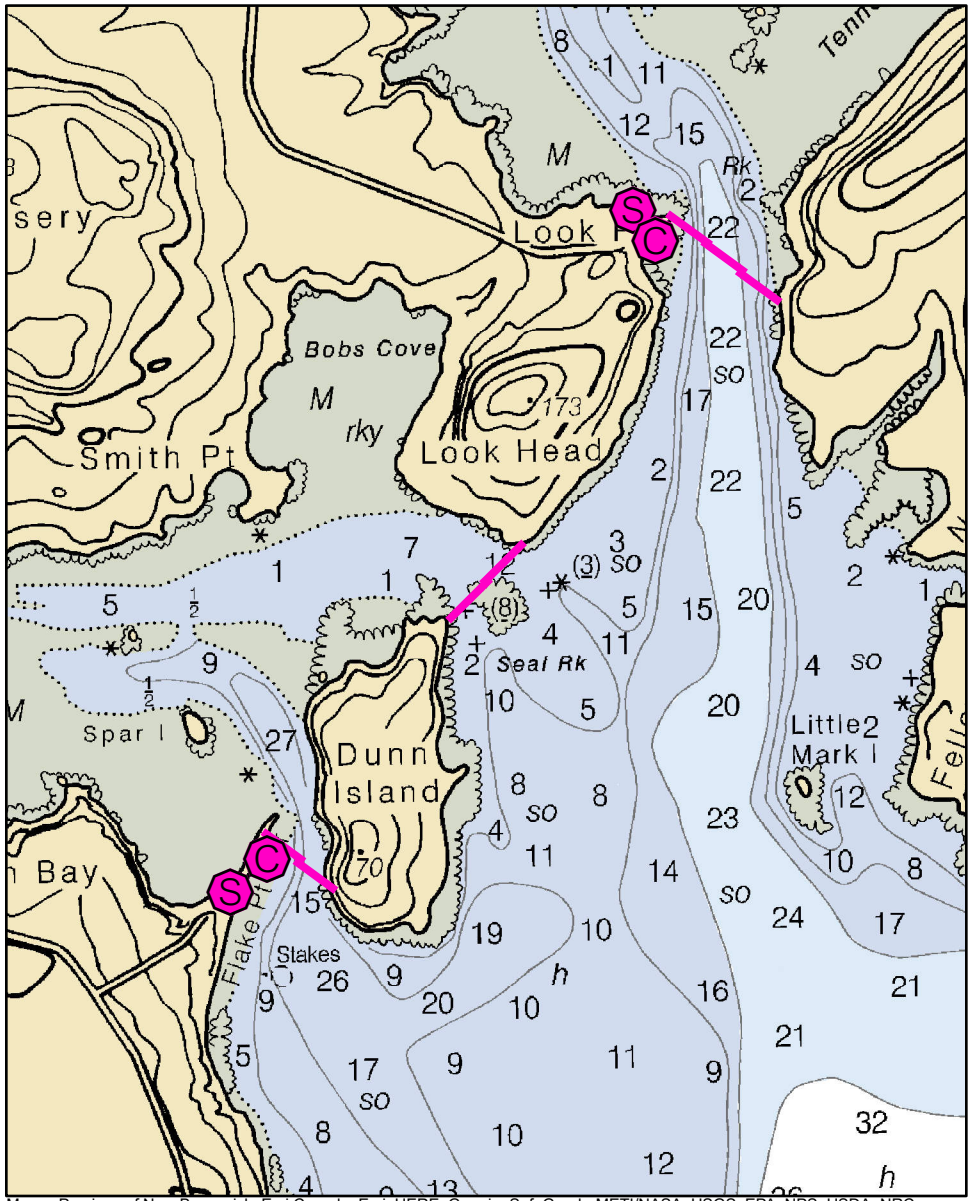
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Maxar, Province of New Brunswick, Esri Canada, Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, NRCan, Parks Canada, NOAA

# D-13-1 Mason Bay & Chandler River

**Town** Jonesport, Jonesboro, Roque Bluffs
**Latitude** 44° 37.825' N **Longitude** 67° 33.046' W
**Approx. Tidal Range (feet)** 12
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Downeast
**NOAA Chart #** 13326_1
**ESI Map #** 11B, 11D
**EVI Map #** 85
**DeLorme Map # (2019)** 26 D2

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)
**ESI Secondary Shoreline Type** Mixed sand and gravel beaches (5)

**Environmental Concerns** Shellfish, eelgrass, marine worms, diadromous fish and shorebirds in Mason Bay and Chandler River

**Archaeological Conflicts** Use boulder or tree anchors on south side of Look Head. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert oil from Mason Bay and Chandler River

**Staging Areas** Flake Point bar at end of Flake Point Road, Jonesport and road at end of Looks Point Road in Jonesboro.

**Site Access** Flake Point bar and Look Point or Chandler Bay boat ramp.

**Nearest Boat Ramp** Chandler Bay boat ramp, Evergreen Point Road, Jonesboro (all tide)

**Collection Points** Flake Point Bar

**Special Instructions**

**Work Assignment** Deploy two 400 foot sections of boom from Flake Point to Dunn Island. Deploy two 500 foot sections of boom between Dunn Island and Look Head. Deploy three 400 foot sections of boom across Chandler River.

## Recommended Equipment / Resources

**Length of Boom (feet)** 2600
**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
9 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
5 - shoreside connections
2 - vacuum trucks or skimmers and storage
2 - 4 workboats with minimum 90 hp
2 - 4 boat operators
4 - 8 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 5/3/2019 **Last Field Visit** 6/26/2007 **Last Field Test:**

# D-14-1

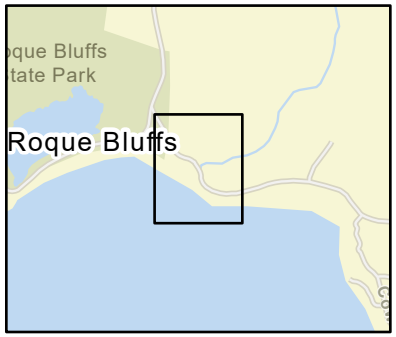
## Roque Bluffs: Englishman River

## Roque Bluffs, ME

0 410 820 Feet

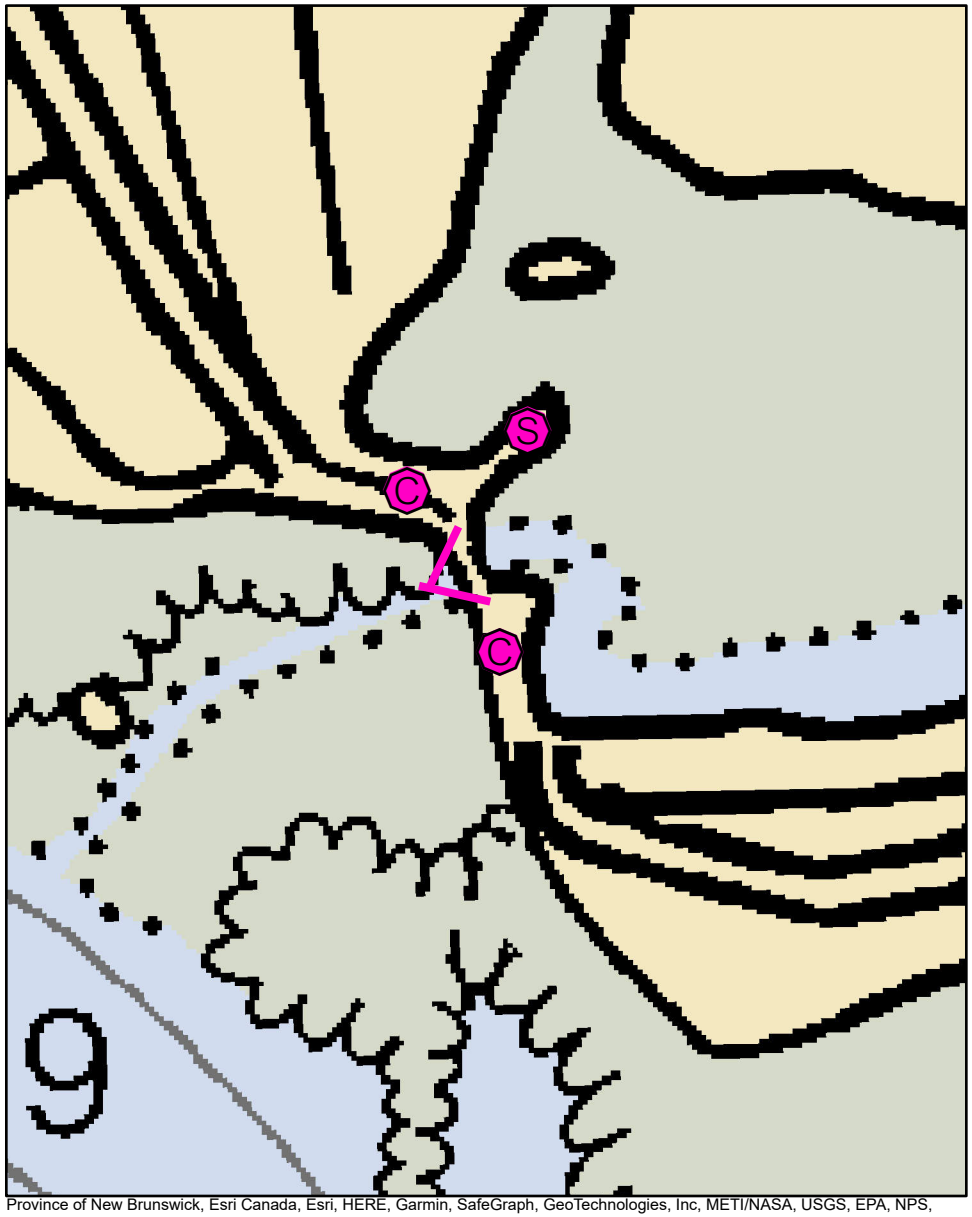
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Province of New Brunswick, Esri Canada, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, NRCan, Parks Canada, Maxar, NOAA

# D-14-1 Roque Bluffs: Englishman River

**Town** Roque Bluffs
**Latitude** 44° 36.570' N **Longitude** 67° 28.716' W
**Approx. Tidal Range (feet)** 12
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Downeast
**NOAA Chart #** 13326_1
**ESI Map #** 11D, 11C
**EVI Map #** 85
**DeLorme Map # (2019)** 26 D3

## Resources At Risk

**ESI Primary Shoreline Type** Gravel beaches (6A)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Salt marsh upriver of mouth. Shorebirds, eelgrass, diadromous fish.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert oil from entering Englishman River

**Staging Areas** Roque Bluffs boat ramp at end of Schoppee Point Road, Roque Bluffs

**Site Access** Roque Bluffs boat ramp, Roque Bluffs State Park or Englishman River bridge

**Nearest Boat Ramp** Roque Bluffs boat ramp at end of Schoppee Point Road is a part tide ramp. Nearest all tide ramp is on the Chandler River in Jonesboro on Evergreen Point Road.

**Collection Points** At either end of Englishman River Bridge

**Special Instructions** Roque Bluffs state park is adjacent. Sand beach is coastal barrier area. Divert from here if possible.

**Work Assignment** Deploy two 100 foot sections of boom in a chevron configuration at river mouth

## Recommended Equipment / Resources

**Length of Boom (feet)** 200 **Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
1 - anchor system: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
1 - small workboat
1 - boat operators
2 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 5/3/2019 **Last Field Visit** 6/26/2007 **Last Field Test:**

# D-15-1

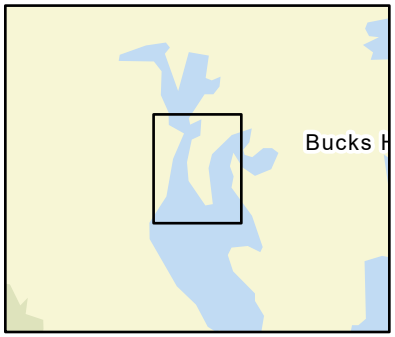
## Little Kennebec Bay

## Machias / Machiasport, ME

0 1,000 2,000 Feet

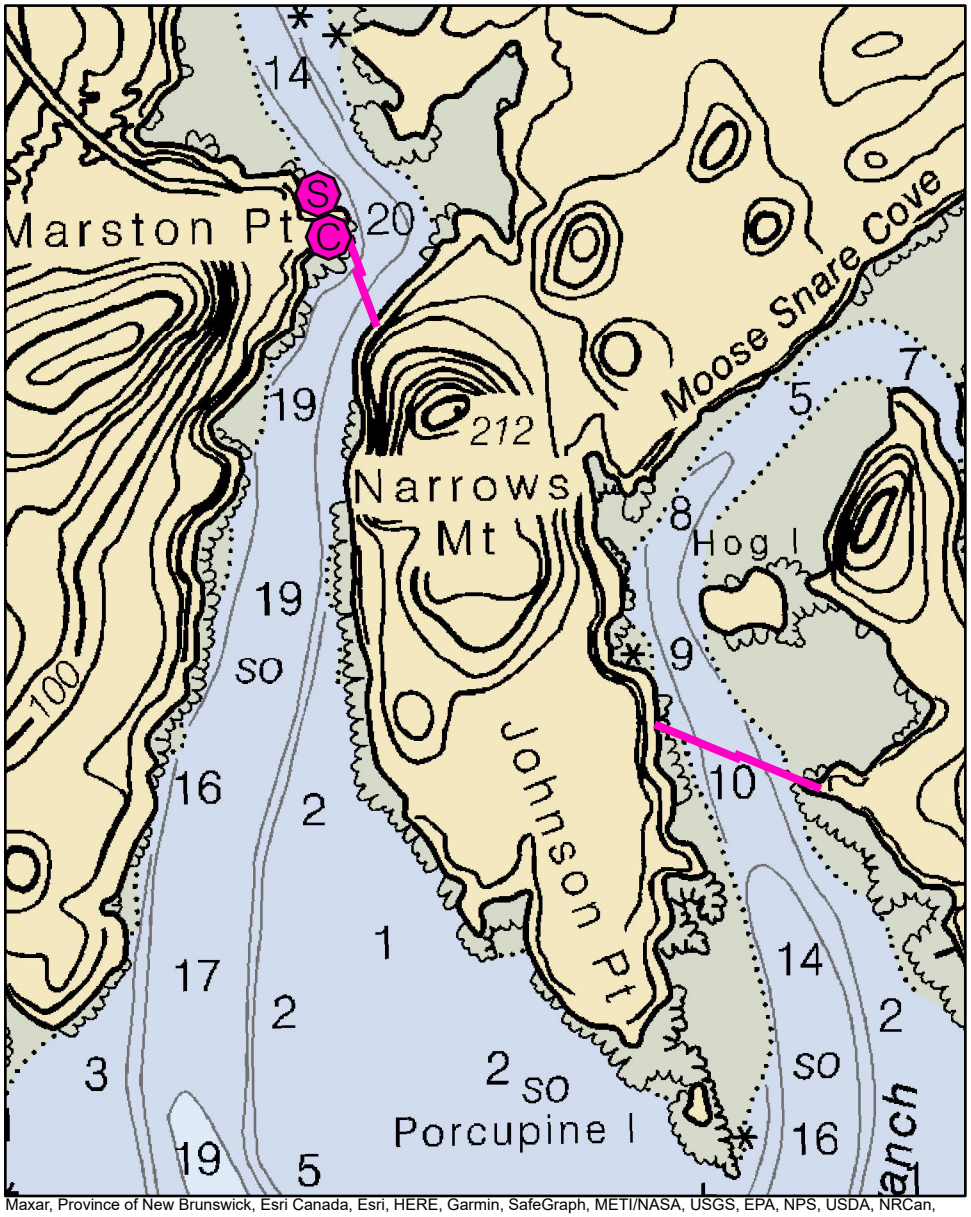
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




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# D-15-1 Little Kennebec Bay

**Town** Machias / Machiasport

**Latitude** 44° 39.068' N **Longitude** 67 26.348' W

**Approx. Tidal Range (feet)** 12

**Max Current (knots)** **Flood** **Ebb**

**Source**

**Port Region** Downeast

**NOAA Chart #** 13326_1

**ESI Map #** 11A

**EVI Map #** 86, 85

**DeLorme Map # (2019)** 26 D3

## Resources At Risk

**ESI Primary Shoreline Type** Mixed sand and gravel beaches (5)

**ESI Secondary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)

**Environmental Concerns** Upper reaches of bay has extensive mudflats, shorebird and shellfish habitat, elver run

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To divert / exclude oil from upper reaches of Little Kennebec Bay

**Staging Areas** Marston Point at end of W Kennebec Road in Machias

**Site Access** Same as staging

**Nearest Boat Ramp** Marston Point at end of W Kennebec Road

**Collection Points** Marston Point boat launch. Limited opportunity for collection in Johnson Point area other than on water skimming

**Special Instructions**

**Work Assignment** Deploy two 350 foot sections of boom across the channel from boat launch at Marston Point to shoreline near Narrows Mountain. Deploy two 500 foot sections across the channel from Johnson Point to eastern shoreline.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1700

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
4 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - 6 laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 5/3/2019 **Last Field Visit** **Last Field Test:**

# D-16-1

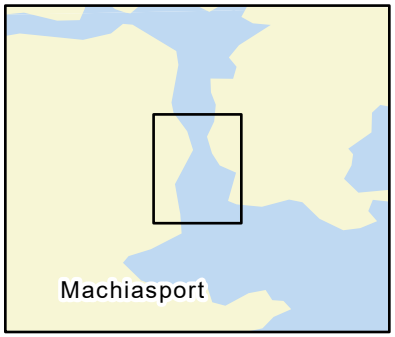
## Machias River

## Machiasport, ME

0 1,000 2,000 Feet

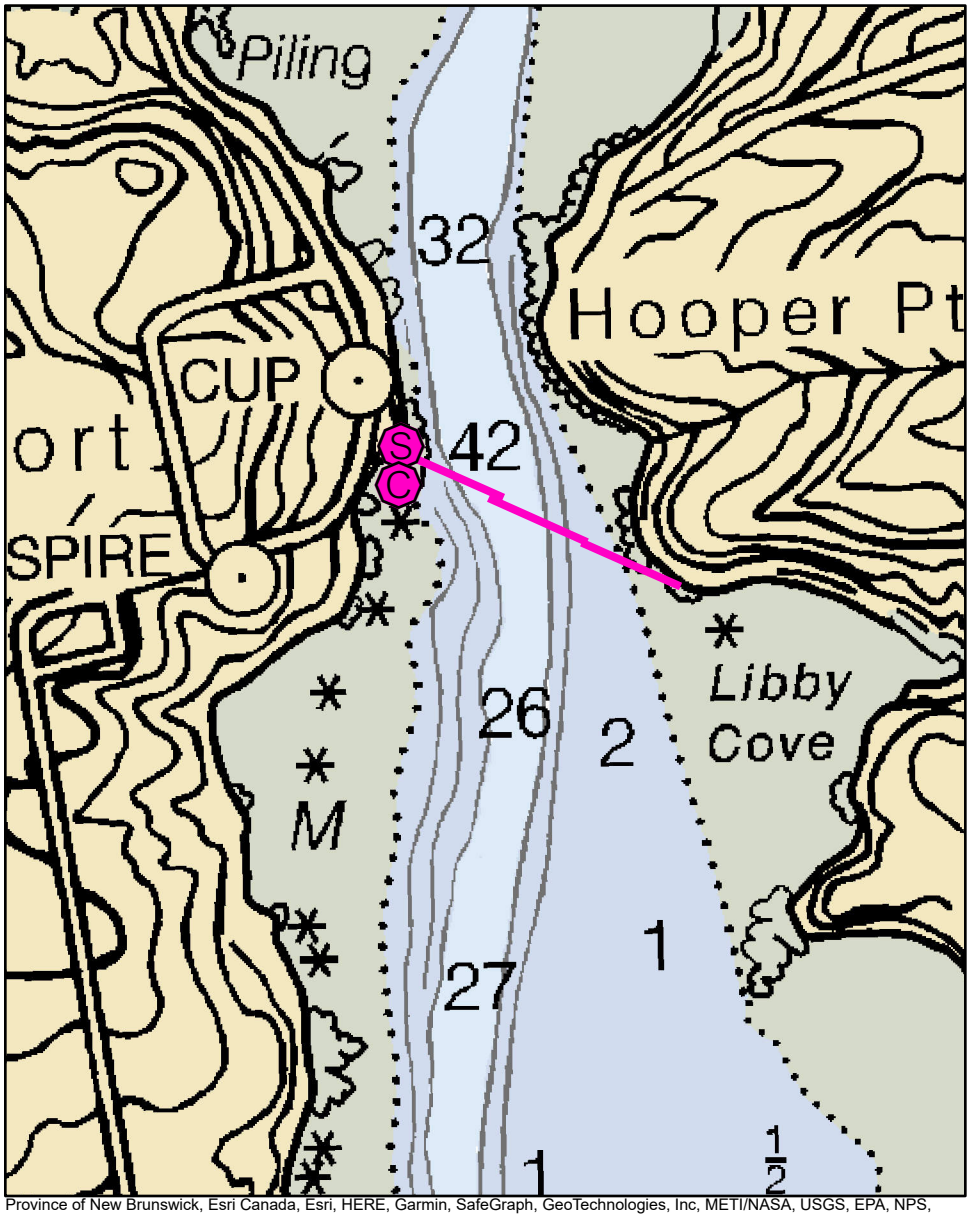
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




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# D-16-1 Machias River

**Town** Machiasport
**Latitude** 44° 41.814' N **Longitude** 67° 26.348' W
**Approx. Tidal Range (feet)** 12
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Downeast
**NOAA Chart #** 13326_1
**ESI Map #** 11A
**EVI Map #** 90
**DeLorme Map # (2019)** 26 C4

## Resources At Risk

**ESI Primary Shoreline Type** Exposed tidal flats (7)
**ESI Secondary Shoreline Type** Mixed sand and gravel beaches (5)

**Environmental Concerns** Federally endangered Atlantic Salmon may be present April - November. Other diadromous fish runs, extensive shorebird habitat and shellfish beds and marshes upstream. Consider additional secondary strategies upstream if this one does not prove effective.

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To divert oil from upper Machias River

**Staging Areas** Port Road, Machiasport

**Site Access** Port Road, Machiasport

**Nearest Boat Ramp** All tide ramp upstream at Route 1 in downtown Machias

**Collection Points** Along Port Road in Machiasport

**Special Instructions** Will likely need to close Port Road

**Work Assignment** Deploy three 400 foot sections of boom across the Machias River from Port Road in Machiasport

## Recommended Equipment / Resources

**Length of Boom (feet)** 1200

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 5/3/2019 **Last Field Visit** 6/25/2007 **Last Field Test:**

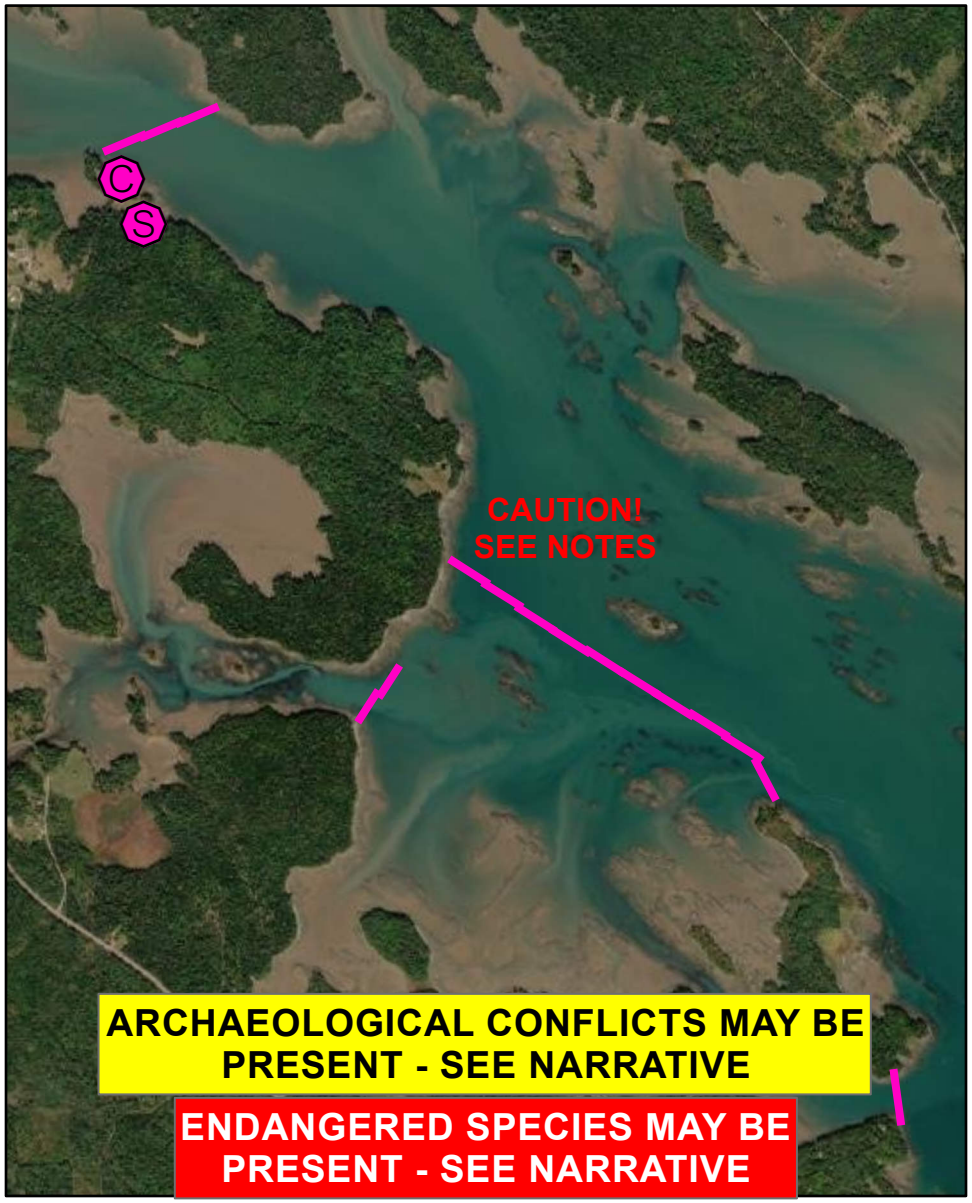
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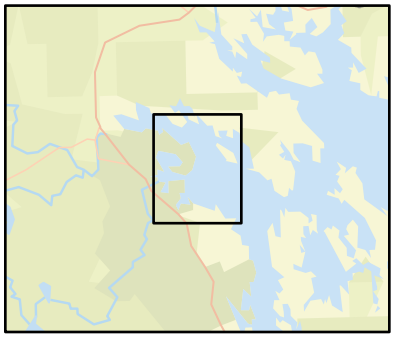
## Dennys Bay

## Edmunds Township, ME

0 2,500 5,000 Feet

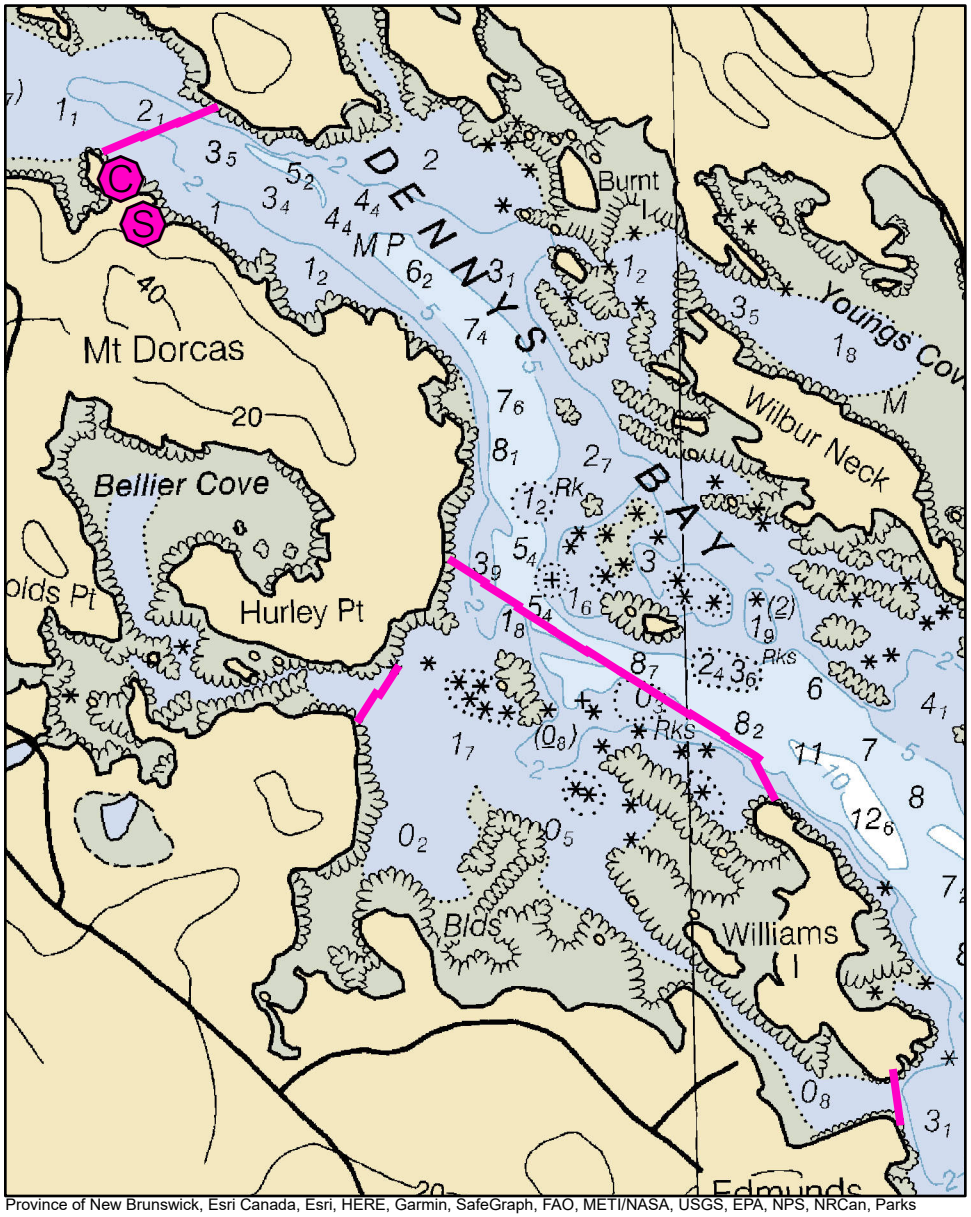
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




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# D-17-1 Dennys Bay

**Town** Edmunds Twp

**Latitude** 44° 53.707' N **Longitude** 67° 10.109' W

**Approx. Tidal Range (feet)** 12

**Max Current (knots)** **Flood** **Ebb**

**Source**

**Port Region** Downeast

**NOAA Chart #** 13394_1

**ESI Map #** 5A, 4B

**EVI Map #** 94

**DeLorme Map # (2019)** 27 A1, A2

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)

**ESI Secondary Shoreline Type** Mixed sand and gravel beaches (5)

**Environmental Concerns** Federally endangered Atlantic Salmon may be present April - November. Strategy protects areas of Moosehorn National Wildlife Refuge. Extensive mudflats, marshes, shorebird areas, eelgrass, shellfish beds, elver runs and other diadromous fish. Contact Andrew Major at US Fish & Wildlife Service (603) 227-6413 and Moosehorn National Wildlife Refuge: (207) 454-7161.

**Archaeological Conflicts** Utilize boulder or tree anchors for two center boom spreads at connections with Hurley Point. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To exclude / divert oil from Bellier Cove and other areas of Moosehorn NWR.

**Staging Areas** Cobscook Bay boat ramp, Cobscook Bay State Park. May be able to pull boom from private property at point of land as shown near Mt. Dorcas at intersection of Belyea Rd. and Black Duck Rd. in Edmunds Twp. Scout area first.

**Site Access** Same as staging area

**Nearest Boat Ramp** Cobscook Bay boat ramp, Cobscook Bay State Park, South Edmunds Road, Edmunds Twp.

**Collection Points** May be able to collect from private property at point of land as shown near Mr. Dorcas at intersection of Belyea Rd. and Black Duck Road in Edmunds Twp.

**Special Instructions** CAUTION: Cobscook Bay has strong currents and confused seas. Many rocky areas that may not be accurately charted. Local knowledge is strongly advised.

**Work Assignment** See special instructions. Primary strategy is to deploy ten 500 foot sections across entrance to Moosehorn NWR as shown. If resources do not allow this, place two 400 foot sections across entrance to Bellier Cove at high water. Deploy three 500 foot sections across the entrance to Dennys River

## Recommended Equipment / Resources

**Length of Boom (feet)** 900 - 5900

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

6 - 24 anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
6 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - 4 workboats with minimum 90 hp
2 - 4 boat operators
6 - 10 laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 5/4/2019 **Last Field Visit** 6/19/2007 **Last Field Test:**

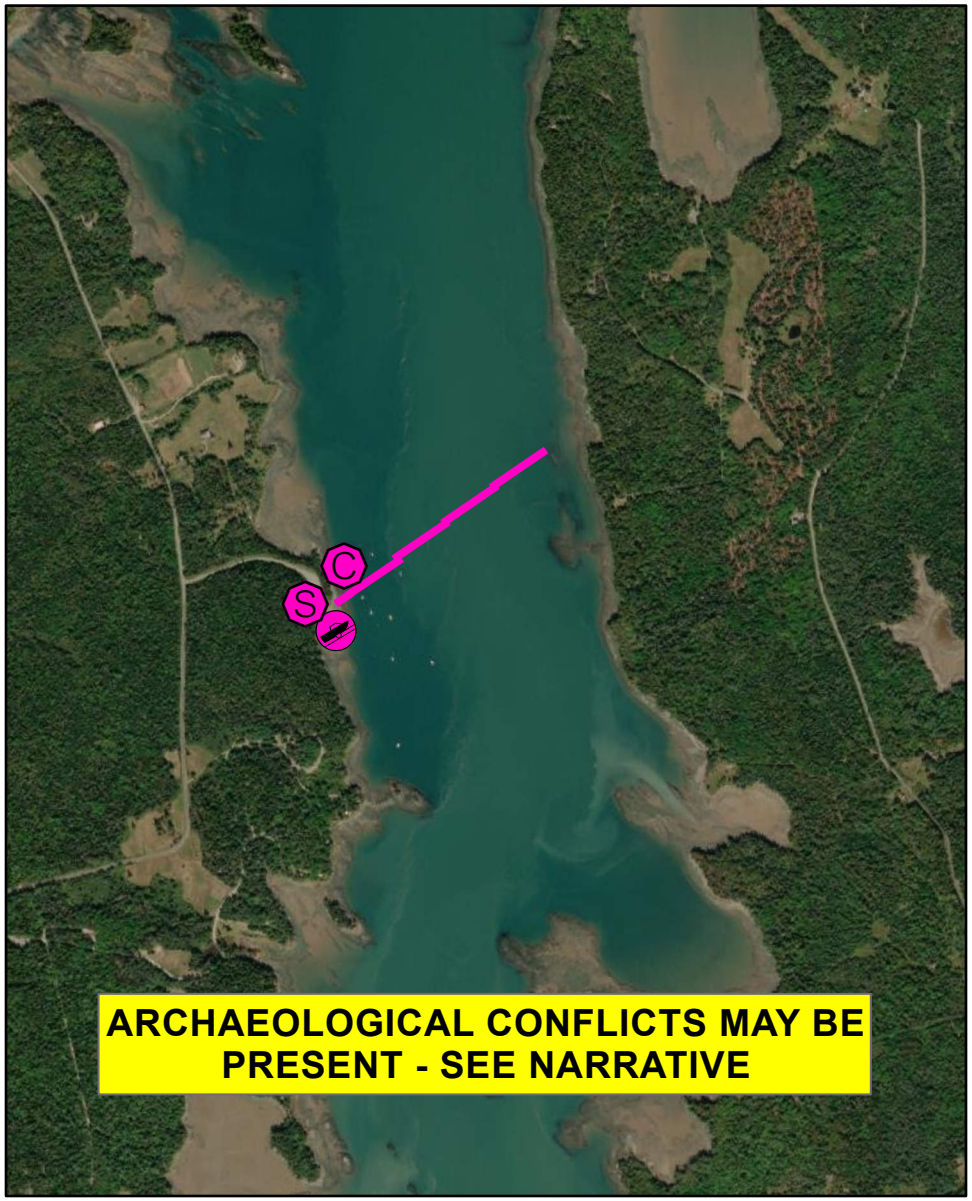
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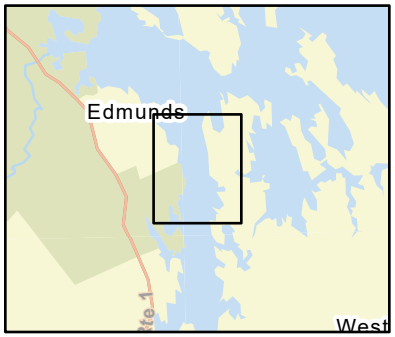
## Whiting Bay

## Edmunds Township / Trescott Township, ME

0 2,000 4,000 Feet

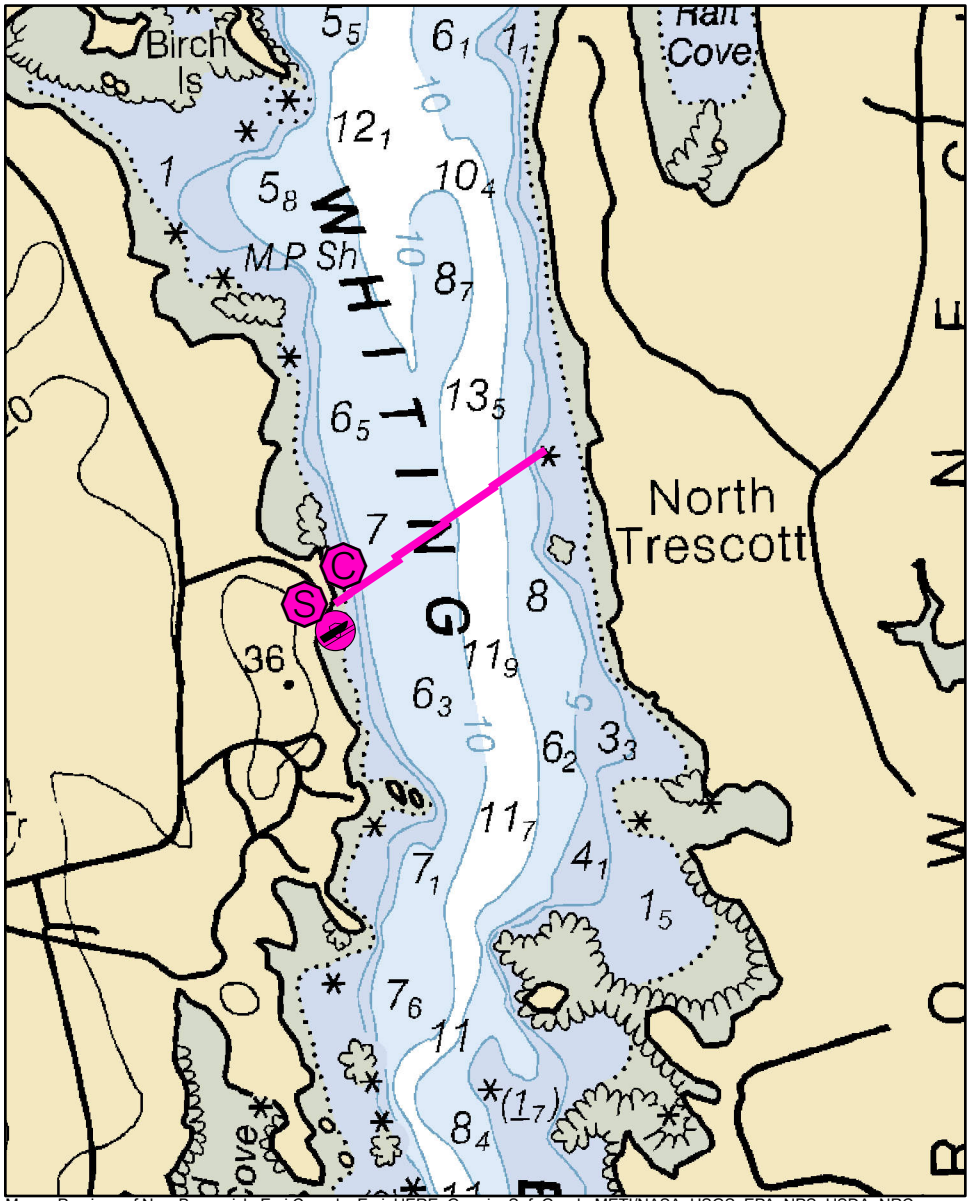
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




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# D-18-1 Whiting Bay

**Town** Edmunds Twp / Trescott Twp
**Latitude** 44° 50.808' N **Longitude** 67° 8.652' W
**Approx. Tidal Range (feet)** 18
**Max Current (knots)** **Flood** **Ebb**
**Source** estimated

**Port Region** Downeast
**NOAA Chart #** 13394_1
**ESI Map #** 4B, 5A
**EVI Map #** 95, 94
**DeLorme Map # (2019)** 27 A2

## Resources At Risk

**ESI Primary Shoreline Type** Mixed sand and gravel beaches (5)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Eagle nests, shellfish, seal haul outs, eelgrass, shorebird and marine worm habitat in Whiting Bay

**Archaeological Conflicts** Maintain activities on developed portions of boat ramp as much as possible. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** To divert oil from upper Whiting Bay
**Staging Areas** Cobscook Bay boat ramp, Cobscook Bay State Park
**Site Access** Cobscook Bay boat ramp, Cobscook Bay State Park
**Nearest Boat Ramp** Cobscook Bay boat ramp, Cobscook Bay State Park
**Collection Points** Cobscook Bay boat ramp, Cobscook Bay State Park
**Special Instructions**
**Work Assignment** Deploy five 500 foot sections and one 100 foot section of boom across Whiting Bay from Cobscook Bay boat ramp

## Recommended Equipment / Resources

**Length of Boom (feet)** 4000 **Type of Boom** Harbor

**Recommended Equipment (Minimum)**
10 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - workboats with minimum 90 hp
2 - boat operators
4 - 6 laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 5/4/2019 **Last Field Visit** 6/19/2007 **Last Field Test:**

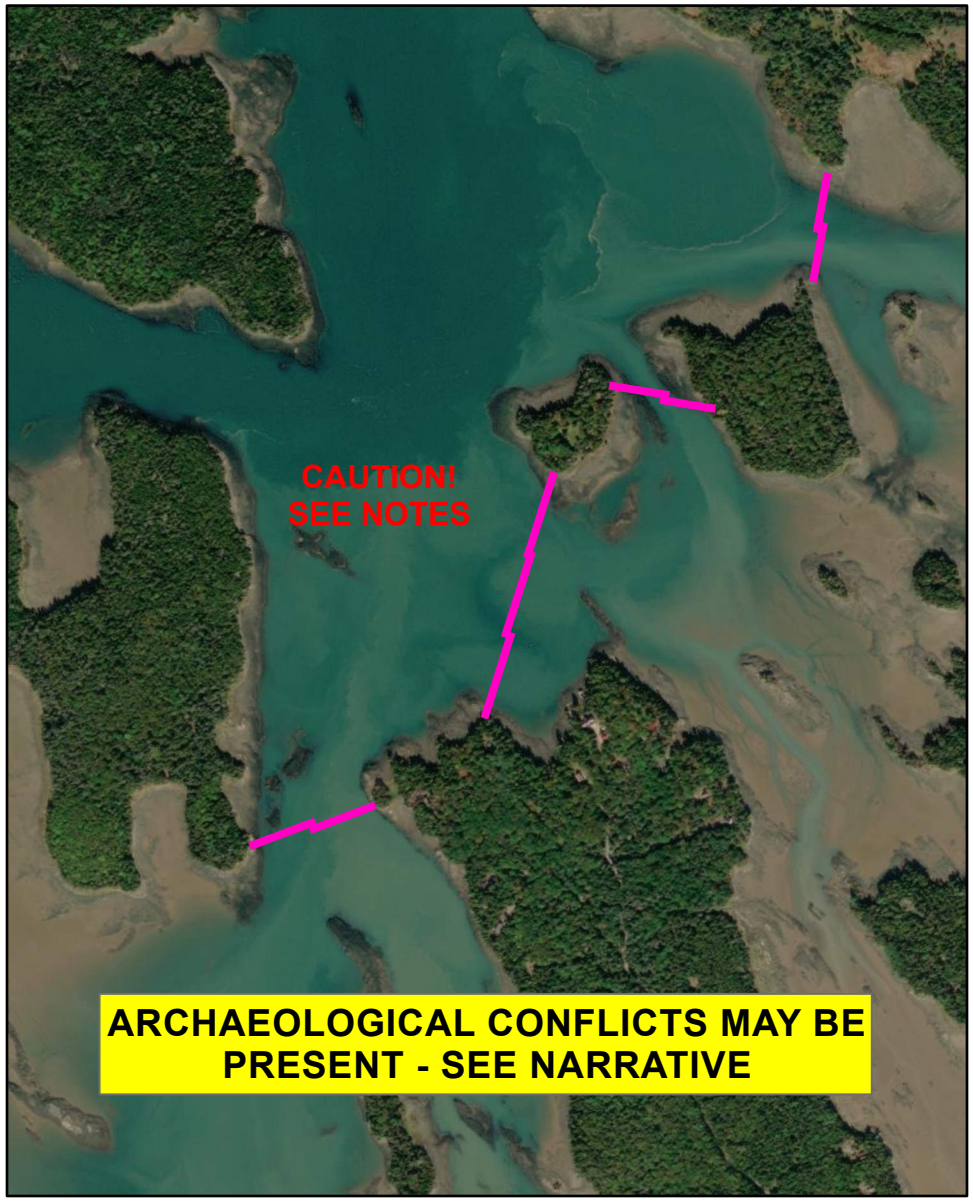
# D-19-1

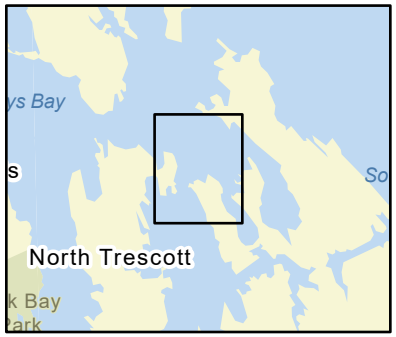
## Straight Bay & Nutter Cove

## Edmunds Township / Lubec, ME

0 1,000 2,000 Feet

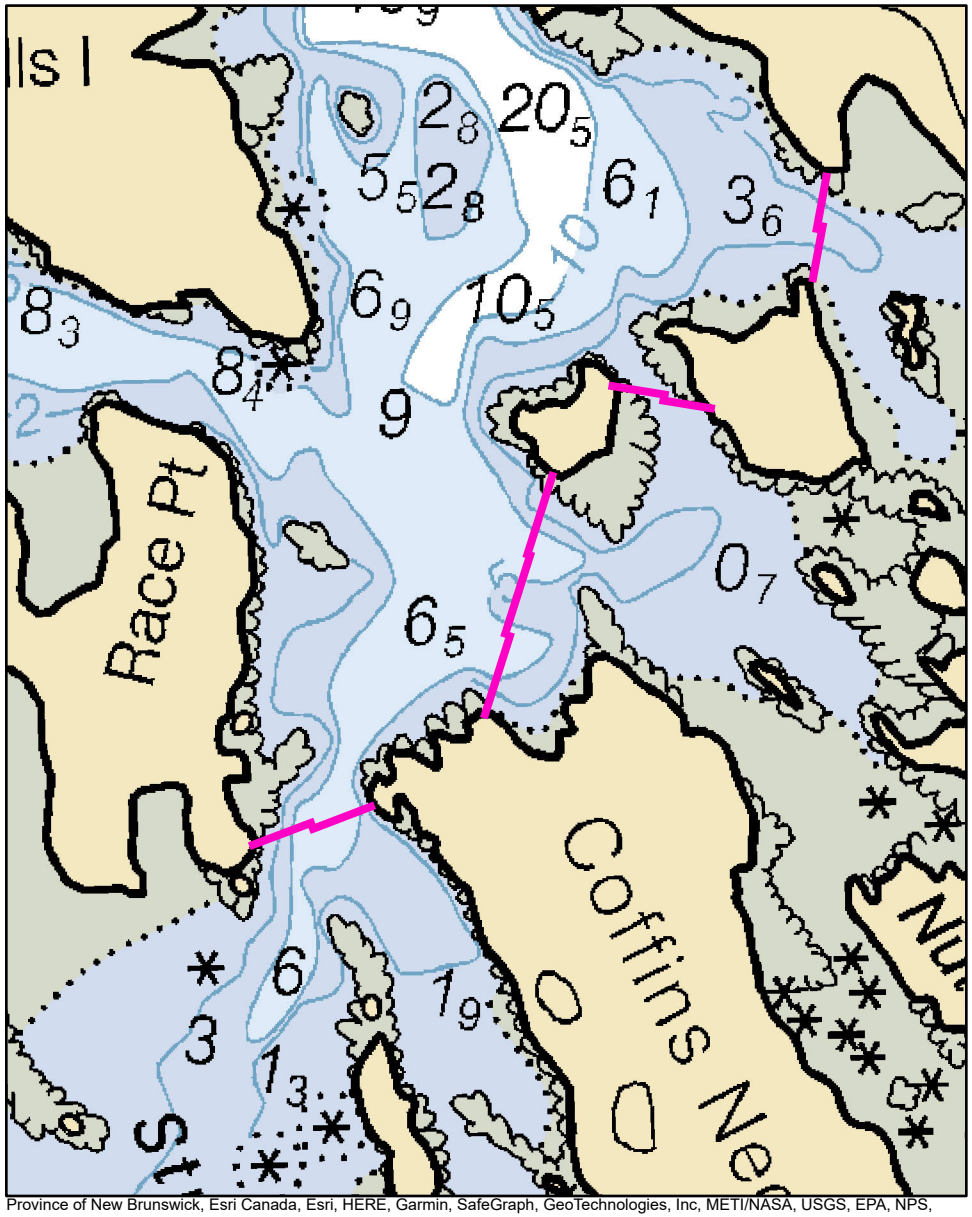
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




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# D-19-1 Straight Bay & Nutter Cove

**Town** Edmunds Twp / Lubec
**Latitude** 44° 52.654' **Longitude** 67° 6.456'
**Approx. Tidal Range (feet)** 19
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Downeast
**NOAA Chart #** 13394_1
**ESI Map #** 4B
**EVI Map #** 95
**DeLorme Map # (2019)** 27 2A

## Resources At Risk

**ESI Primary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)
**ESI Secondary Shoreline Type** Mixed sand and gravel beaches (5)

**Environmental Concerns** Mudflats, eelgrass beds, shellfish beds, shorebird areas and seal haul outs

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** Exclude oil from Straight Bay, Nutter Cove and Morrison Cove.

**Staging Areas** Cobscook Bay boat ramp at Cobscook Bay State Park, South Edmunds Road, Edmunds Twp

**Site Access** Access by water only

**Nearest Boat Ramp** Cobscook Bay boat ramp at Cobscook Bay State Park, Edmunds

**Collection Points** Exclusion only

**Special Instructions** CAUTION: Confused seas and strong currents in this area. Site is very difficult to access, very limited roads and very rough terrain. Many rocky areas that may not be accurately charted. Strategy has not been tested. Local knowledge is strongly advised.

**Work Assignment** Use extreme caution deploying this strategy. See special instructions. Deploy two 350 foot sections of harbor boom from Race Point to west side of Coffin Neck; deploy three 500 foot sections of harbor boom from east side of Coffins Neck to west side of Huckins Island; deploy two 300 foot sections of harbor boom and one 250 foot section of boom from east side of Huckins Island to small adjacent point on Denbow Neck.

## Recommended Equipment / Resources

**Length of Boom (feet)** 3050
**Type of Boom** 12" to 18" containment

**Recommended Equipment (Minimum)**
18 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - 3 workboats with minimum 90 hp
2 - 3 boat operators
4 - 6 laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 5/4/2019 **Last Field Visit** **Last Field Test:**

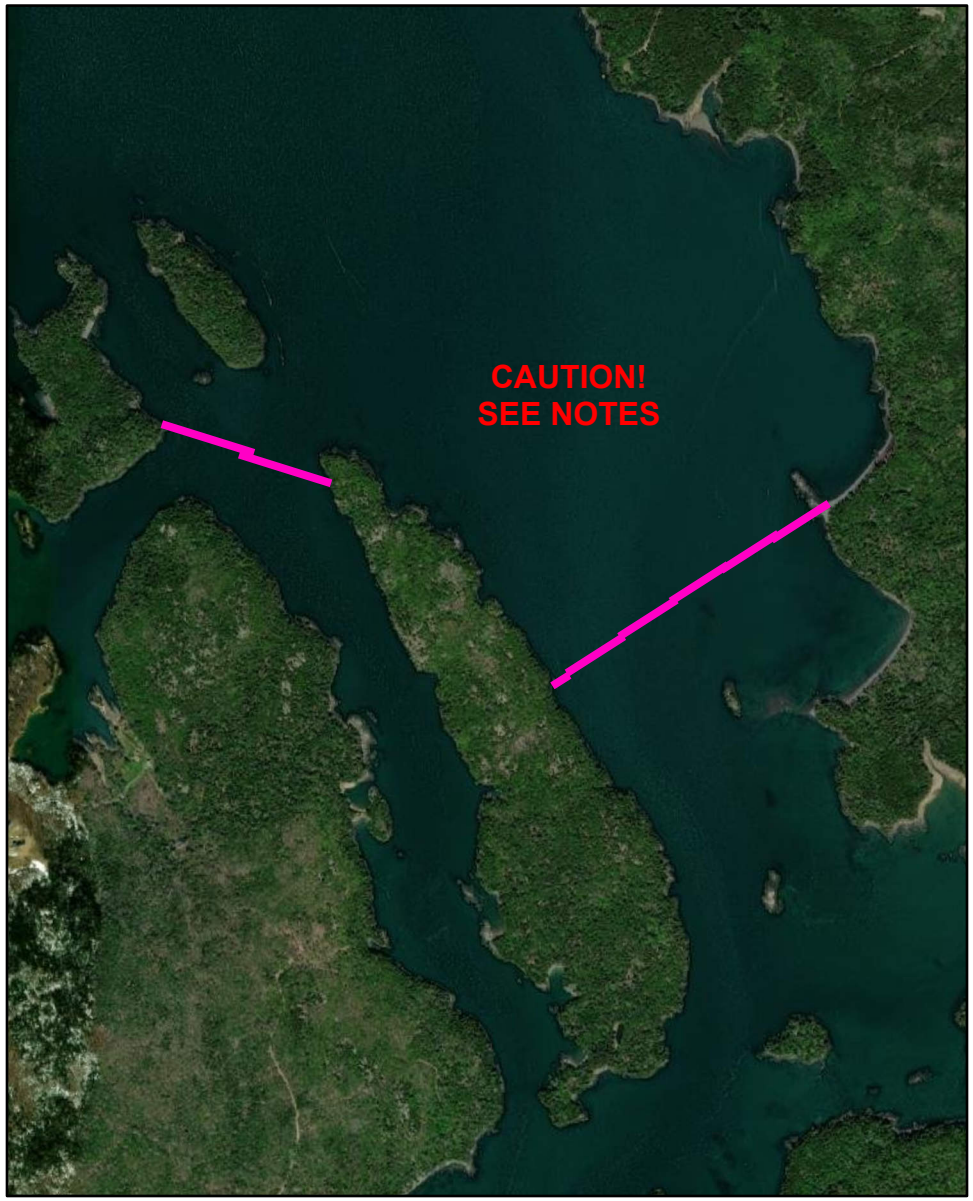
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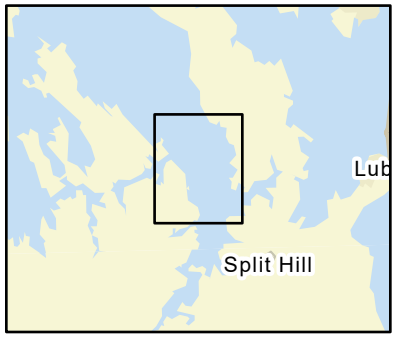
## South Bay & Federal Harbor

## Lubec, ME

0 1,000 2,000 Feet

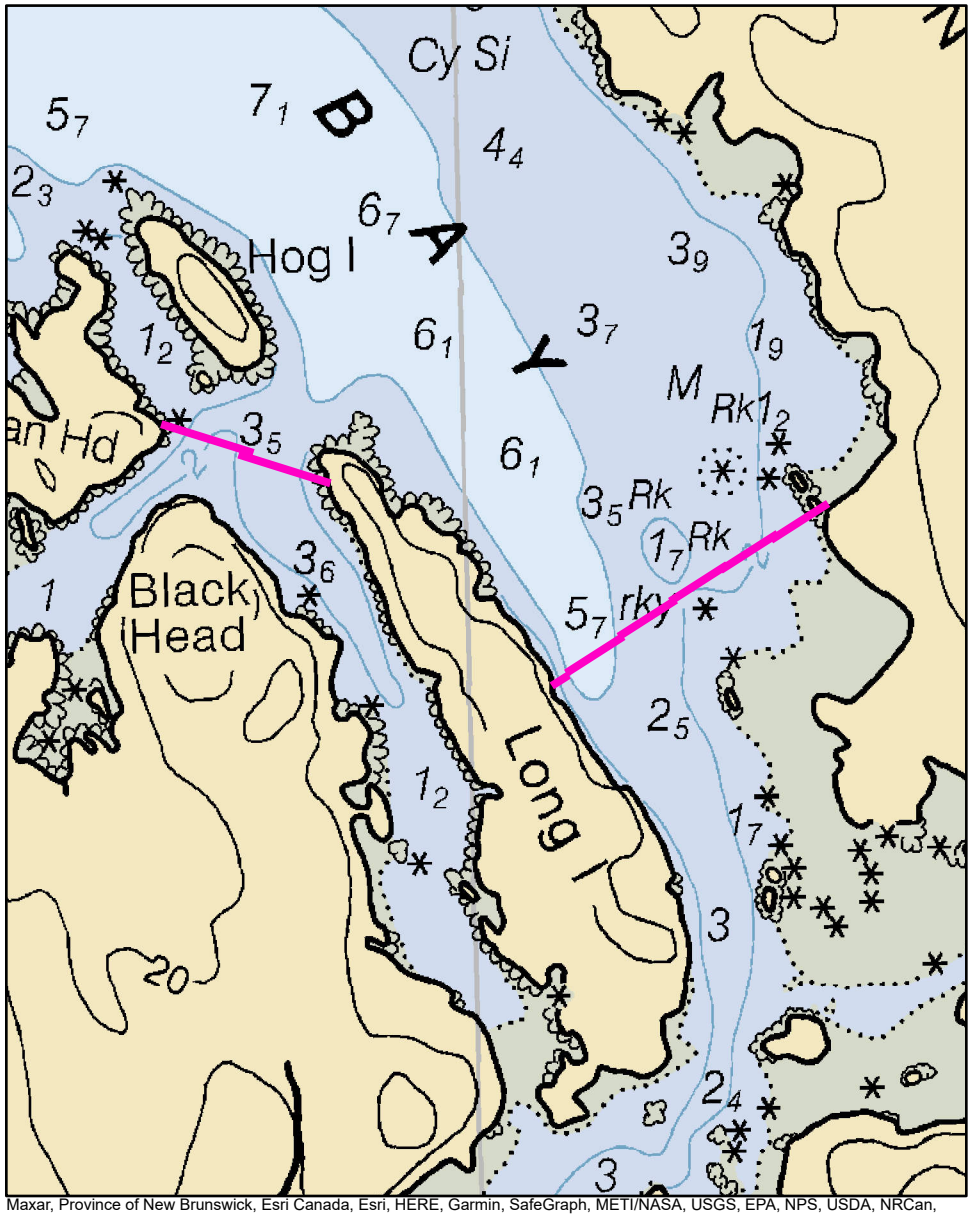
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




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# D-20-1 South Bay & Federal Harbor

**Town** Lubec
**Latitude** 44° 51.828' N **Longitude** 67° 2.742' W
**Approx. Tidal Range (feet)** 19
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Downeast
**NOAA Chart #** 13394_1
**ESI Map #** 4B, 4A
**EVI Map #** 95
**DeLorme Map # (2019)** 27 A3

## Resources At Risk

**ESI Primary Shoreline Type** Vegetated low banks (9B)
**ESI Secondary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)

**Environmental Concerns** Eelgrass, shellfish beds, diadromous fish and shorebirds in both Federal Bay and South Harbor. Seal haul outs at both outer and inner South Bay. Mudflats and marshes. Bald eagle nesting sites on Horan Head and Long Island.

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** Exclude oil from Federal Harbor, Case Cove and Canal Cove

**Staging Areas** Johnson Bay boat launch, North Water Street, downtown Lubec or Pembroke town boat launch, Boat Landing Road, Pembroke

**Site Access** Only access is by water from staging areas above

**Nearest Boat Ramp** Johnson Bay boat launch, North Water Street, downtown Lubec or Pembroke town boat launch, Boat Landing Road, Pembroke

**Collection Points** Exclusion

**Special Instructions** CAUTION: This strategy is untested. Cobscook Bay has strong currents and confused seas. Many rocky areas that may not be accurately charted. Local knowledge is strongly advised.

**Work Assignment** Use extreme caution deploying this strategy. See special instructions. Deploy two 700 foot lengths of boom between Horan Head and Long Island. Deploy five 500 foot lengths and one 100 foot length of boom across South Bay between Long Island and Seaward Neck

## Recommended Equipment / Resources

**Length of Boom (feet)** 4000 **Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
12 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
4 - shoreside connections
2 - 4 workboats with minimum 90 hp
2 - 4 boat operators
4 - 8 laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 5/4/2019 **Last Field Visit** 6/14/2007 **Last Field Test:**

# D-21-1

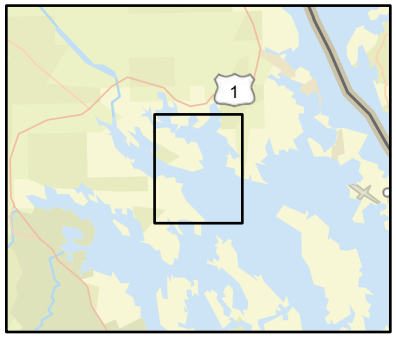
## Pennamaquan River / Sipp Bay

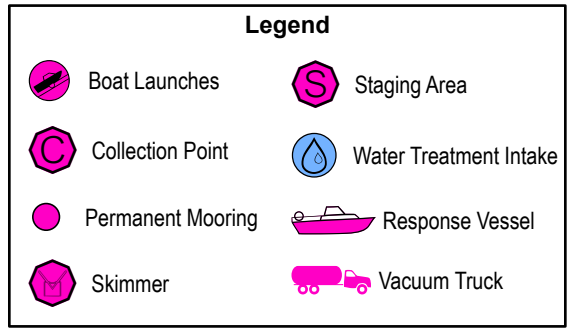
## Pembroke / Perry, ME

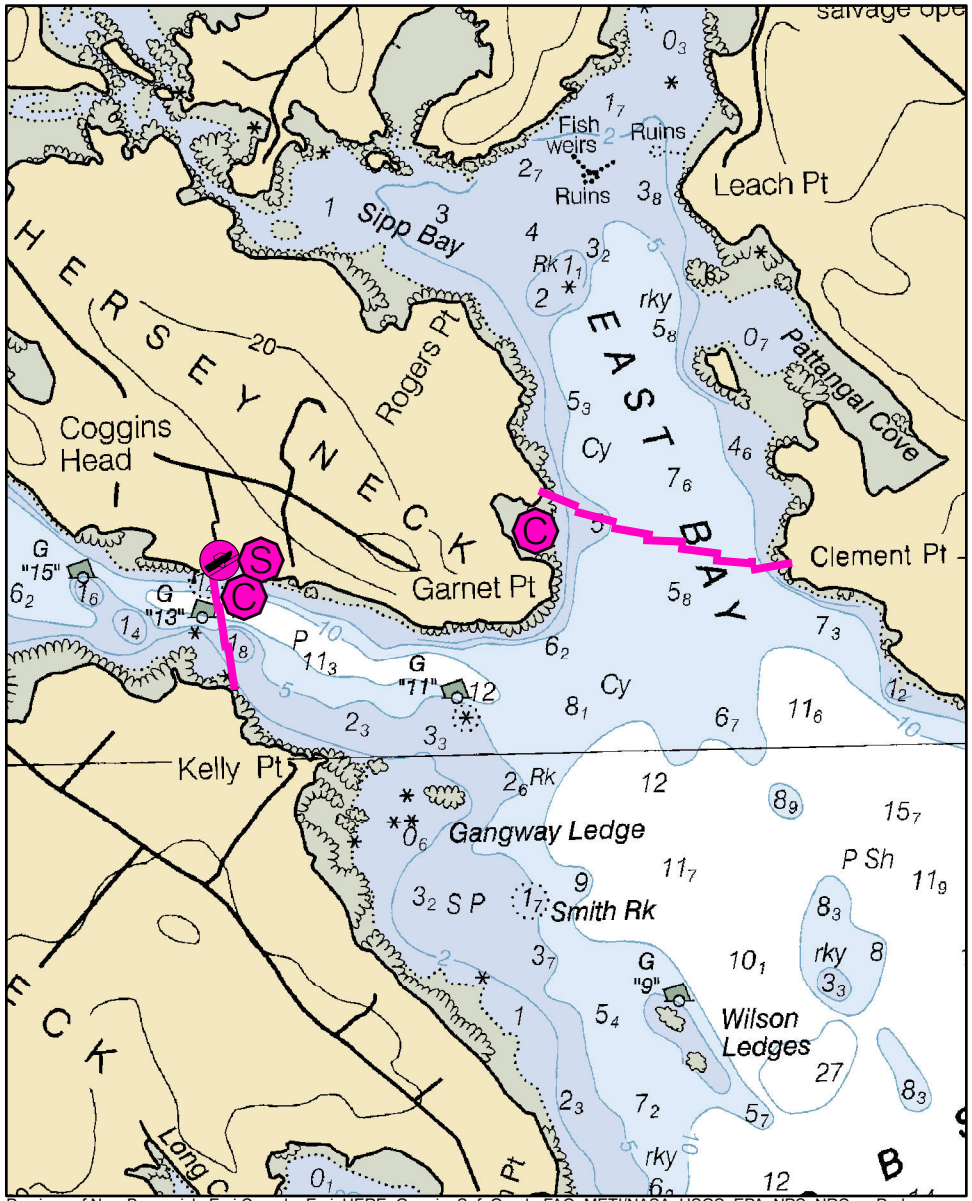
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# D-21-1 Pennamaquan River/Sipps Bay

**Town** Pembroke / Perry
**Latitude** 44° 55.188' N **Longitude** 67° 6.618' W
**Approx. Tidal Range (feet)** 19
**Max Current (knots)** **Flood** **Ebb**
**Source** Estimated

**Port Region** Downeast
**NOAA Chart #** 13394_1
**ESI Map #** 3C, 4B
**EVI Map #** 95
**DeLorme Map # (2019)** 37 E2

## Resources At Risk

**ESI Primary Shoreline Type** Mixed sand and gravel beaches (5)
**ESI Secondary Shoreline Type** Exposed wave-cut platforms in bedrock, mud, or clay (2A)

**Environmental Concerns** Elver runs, shellfish, shorebirds, eelgrass and bald eagle nesting sites in both upper East Bay and Pennamaquan River. Extensive mudflats.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** Divert oil from Pennamaquan River and Sipp Bay

**Staging Areas** Pembroke town boat launch, Boat Landing Road, Pembroke

**Site Access** Pembroke town boat launch, Boat Landing Road, Pembroke

**Nearest Boat Ramp** Pembroke town boat launch, Boat Landing Road, Pembroke

**Collection Points** Red Cove, Pembroke boat launch

**Special Instructions** Current very strong in this area may be difficult for strategy to be effective.

**Work Assignment** Deploy three 500 foot sections of boom from boat launch on Hersey Neck to Kelly Pt. Deploy seven 500' sections of boom from Clement Point to Hersey Neck. Direct oil into Red Cove for possible recovery.

## Recommended Equipment / Resources

**Length of Boom (feet)** 5000 **Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
16 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
4 - shoreside connections
1 - vacuum truck
1 - skimmer and storage
2 - 4 workboats with minimum 90 hp
2 - 4 boat operators
4 - 8 laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 5/4/2019 **Last Field Visit** 6/14/2007 **Last Field Test:**

# D-22-1

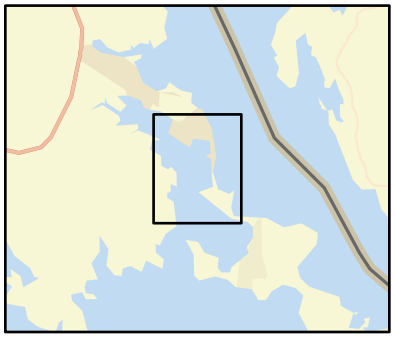
## Pleasant Point

## Perry / Pleasant Point, ME

0 1,000 2,000 Feet

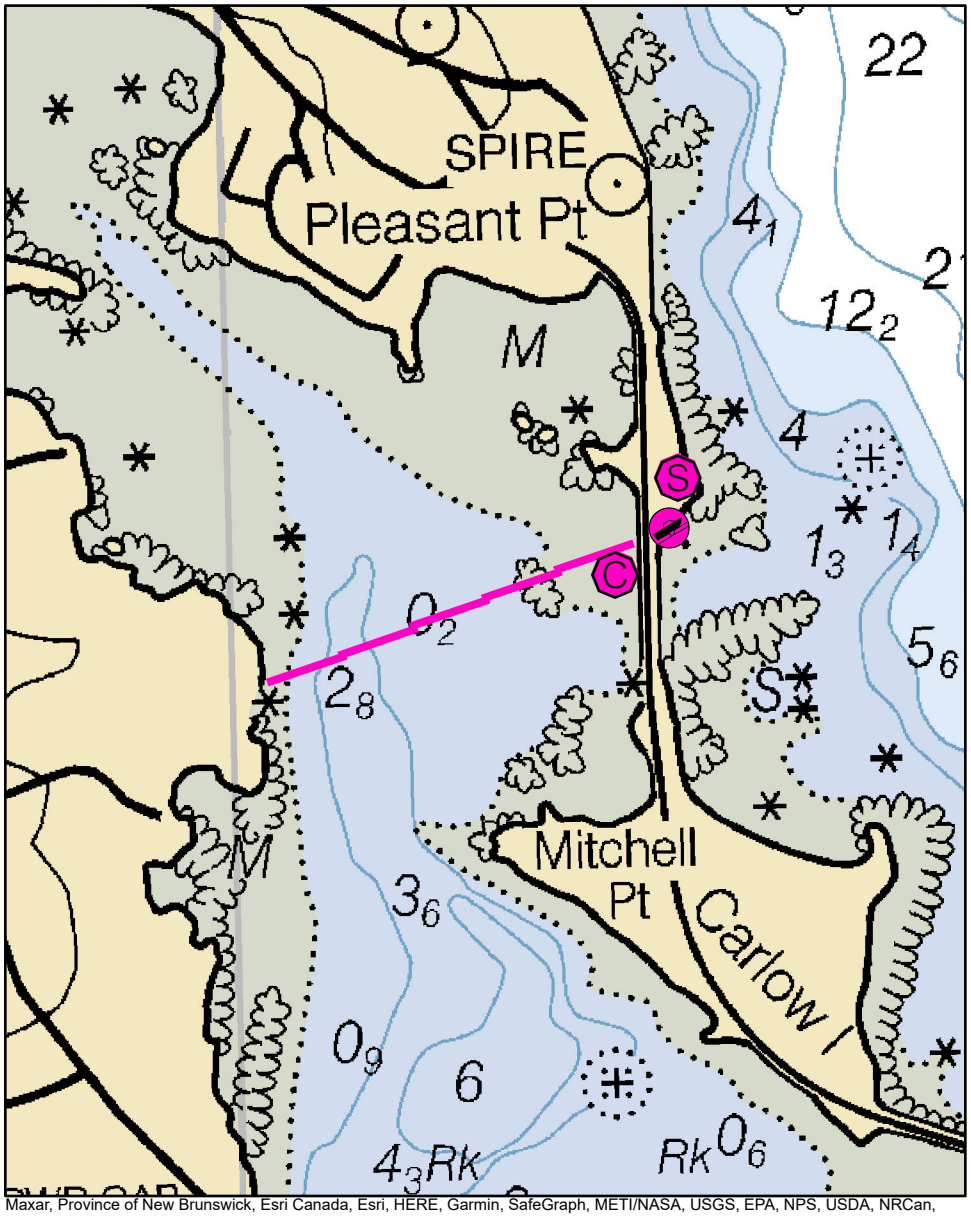
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Maxar, Province of New Brunswick, Esri Canada, Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, NRCan, Parks Canada, NOAA

# D-22-1 Pleasant Point

**Town** Perry / Pleasant Point
**Latitude** 44° 56.92' N **Longitude** 67° 2.651' W
**Approx. Tidal Range (feet)** 19
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Downeast
**NOAA Chart #** 13394_1
**ESI Map #** 3B
**EVI Map #** 95
**DeLorme Map # (2019)** 37 E3

## Resources At Risk

**ESI Primary Shoreline Type** Mixed sand and gravel beaches (5)
**ESI Secondary Shoreline Type** Riprap (6B)

**Environmental Concerns** Mudflats, elver runs, shellfish beds, eelgrass, eagle nest

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** Divert oil from intertidal area and Pleasant Point Reservation area

**Staging Areas** Passamaquoddy Bay boat ramp owned by Passamaquoddy Tribe

**Site Access** By water from launch around Eastport or from Johnson Bay boat launch, Lubec

**Nearest Boat Ramp** Passamaquoddy Bay boat ramp or Johnson Bay boat ramp, Lubec

**Collection Points** From Route 1 causeway. Will need police assistance for road.

**Special Instructions** Contact Passamaquoddy Tribe at Pleasant Point: 207-853-2600 or police non-emergency line: 207-853-6100

**Work Assignment** Deploy five 500 foot sections of boom from causeway across channel

## Recommended Equipment / Resources

**Length of Boom (feet)** 2500

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

8 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connections
1 - vacuum truck or skimmer and storage
2 - 3 workboats with minimum 90 hp
2 - 3 boat operators
4 - 6 laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 5/4/2019 **Last Field Visit** **Last Field Test:**

# D-23-1

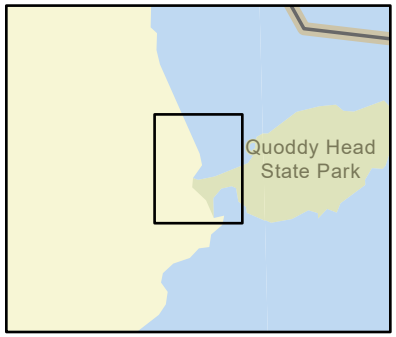
## Lubec Flats

## Lubec, ME

0 925 1,850 Feet

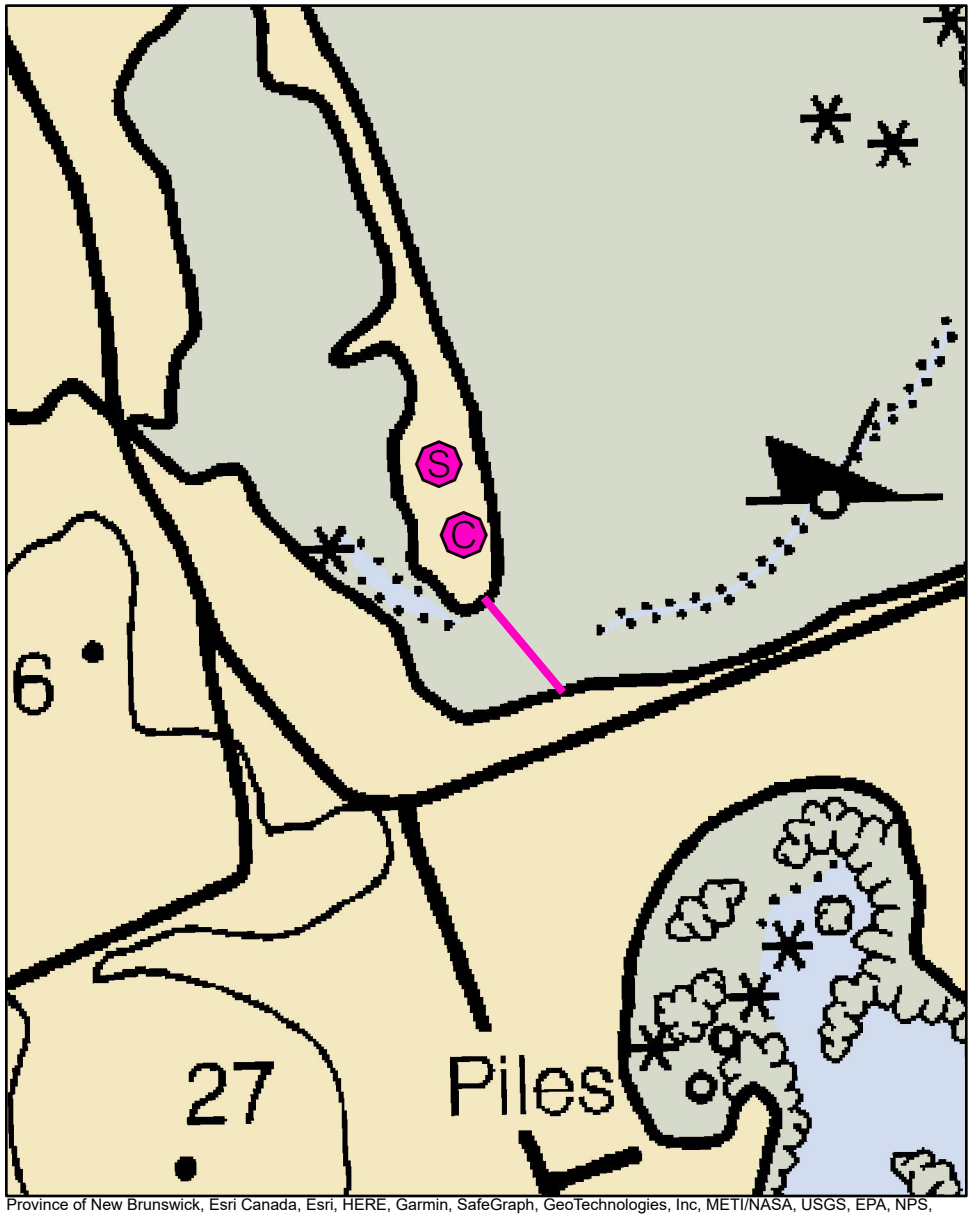
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Province of New Brunswick, Esri Canada, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, NRCan, Parks Canada, Maxar, NOAA

# D-23-1 Lubec Flats

**Town** Lubec
**Latitude** 44° 48.876' N **Longitude** 66° 58.962' W
**Approx. Tidal Range (feet)** 19
**Max Current (knots)** **Flood** Minimal **Ebb**
**Source**

**Port Region** Downeast
**NOAA Chart #** 13394_1
**ESI Map #** 4A, 4C
**EVI Map #** 93
**DeLorme Map # (2019)** 27 B4

## Resources At Risk

**ESI Primary Shoreline Type** Coarse-grained sand beaches (4)
**ESI Secondary Shoreline Type** Mixed sand and gravel beaches (5)

**Environmental Concerns** Highly vulnerable shorebird area. Coastal barrier resource area. Eelgrass, shellfish, marine worms

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** Divert oil from marsh behind bar

**Staging Areas** Lubec boat ramp at end of North Water Street, downtown Lubec, or Bar Road on spit at site

**Site Access** Bar Road at site

**Nearest Boat Ramp** Lubec boat ramp, North Water Street, downtown Lubec

**Collection Points** Possibly from Bar Road on site

**Special Instructions**

**Work Assignment** Deploy 500 feet of boom across salt marsh entrance in South Lubec.

## Recommended Equipment / Resources

**Length of Boom (feet)** 500

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
2 - anchor systems (shoreside)
1 - vacuum truck or skimmer and storage
1 - workboat and/ or
2 - laborers and truck

**Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.**

**Last Desktop Validation:** 5/4/2019 **Last Field Visit** 6/14/2007 **Last Field Test:**

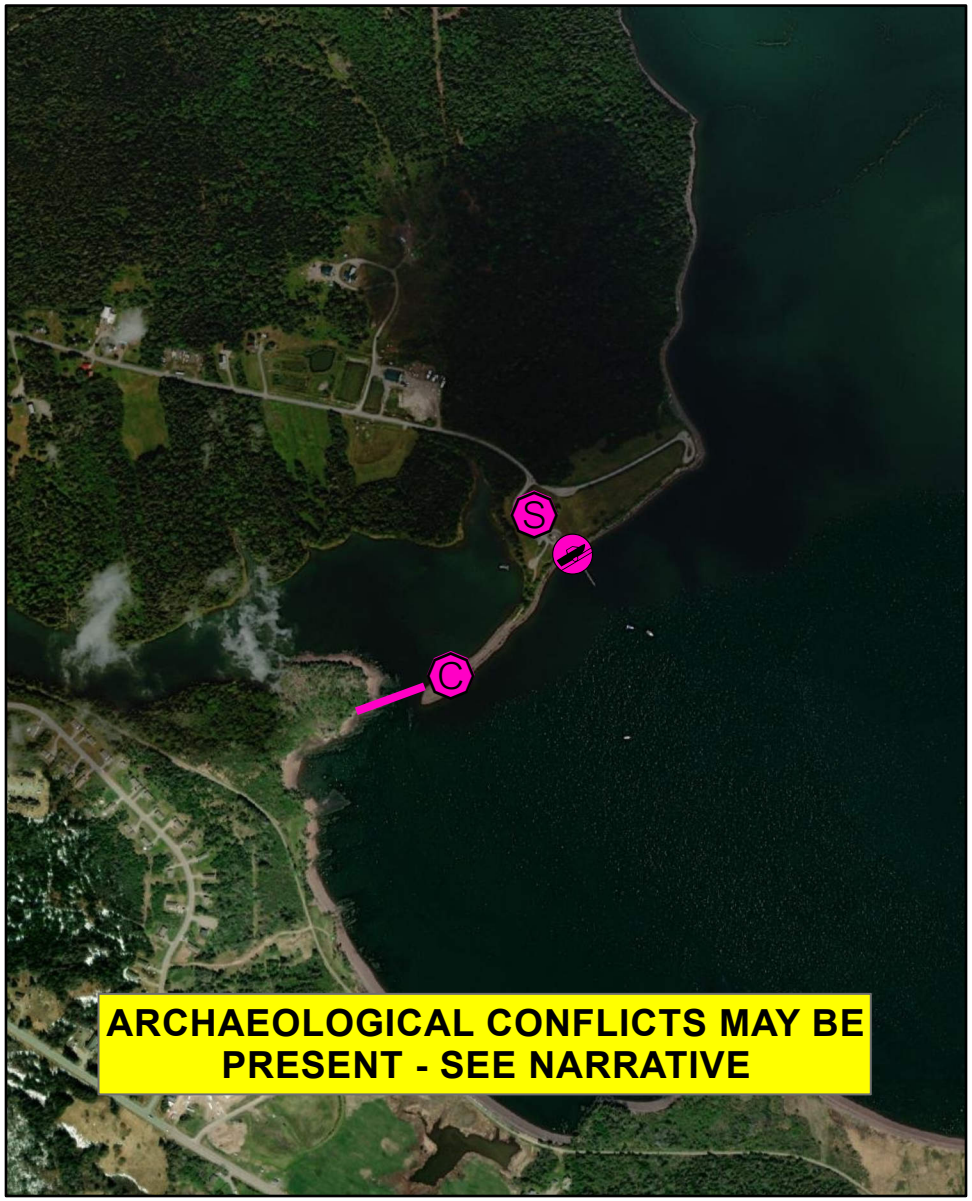
# D-24-1

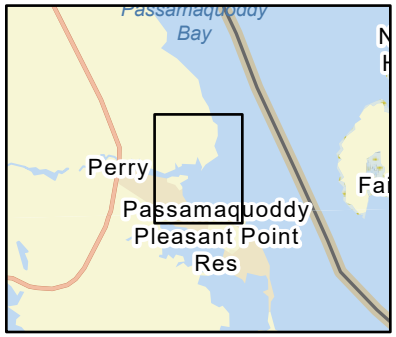
## Gleason Cove

## Perry, ME

0 1,000 2,000 Feet

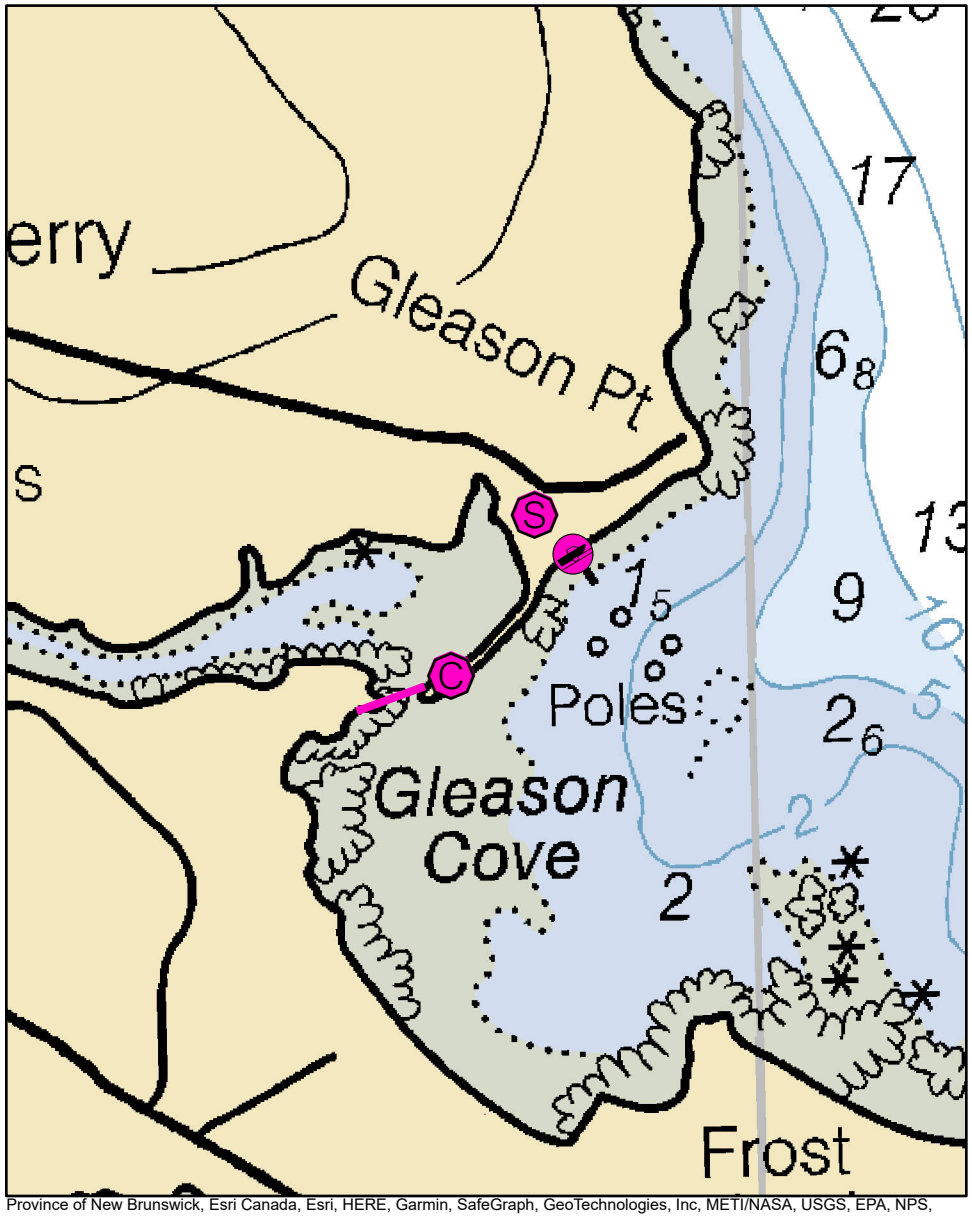
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




Province of New Brunswick, Esri Canada, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, NRCan, Parks Canada, Maxar, NOAA

# D-24-1 Gleason Cove

**Town** Perry
**Latitude** 44° 58.290' N **Longitude** 67° 3.024' W
**Approx. Tidal Range (feet)** 19
**Max Current (knots)** **Flood** < 1 knot **Ebb**
**Source** Observed

**Port Region** Downeast
**NOAA Chart #** 13398_1
**ESI Map #** 3B
**EVI Map #** 95
**DeLorme Map # (2019)** 37 E3

## Resources At Risk

**ESI Primary Shoreline Type** Coarse-grained sand beaches (4)
**ESI Secondary Shoreline Type** Mixed sand and gravel beaches (5)

**Environmental Concerns** Shorebirds, bald eagle nesting site, diadromous fish and elver runs in Little River. Active herring weirs, shellfish and eelgrass in cove.

**Archaeological Conflicts** No conflict as designed. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

## Strategy Information

**Strategy Purpose** Divert oil from inner Gleason Cove / Little River
**Staging Areas** Gleason Point
**Site Access** Gleason Point
**Nearest Boat Ramp** Gleason Point (concrete)
**Collection Points**
**Special Instructions** Contact Passamaquoddy tribe at Pleasant Point: 207-853-2600. After hours: 207-853-6100
**Work Assignment** Deploy 350 feet of boom from end of sand spit at Gleason Point across Little River

## Recommended Equipment / Resources

**Length of Boom (feet)** 350
**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**
2 - anchor systems (shoreside)
1 - vacuum truck or skimmer and storage
1 - workboat and/ or
2 - laborers and truck

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 5/4/2019 **Last Field Visit** 6/13/2007 **Last Field Test:**

# D-25-1

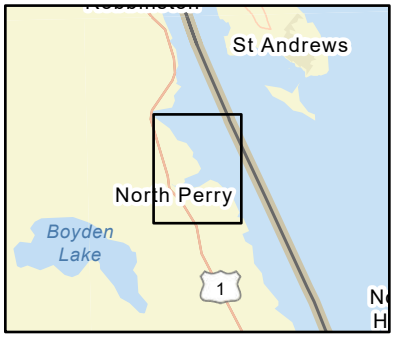
## Lewis Cove

## Perry, ME

0 2,500 5,000 Feet

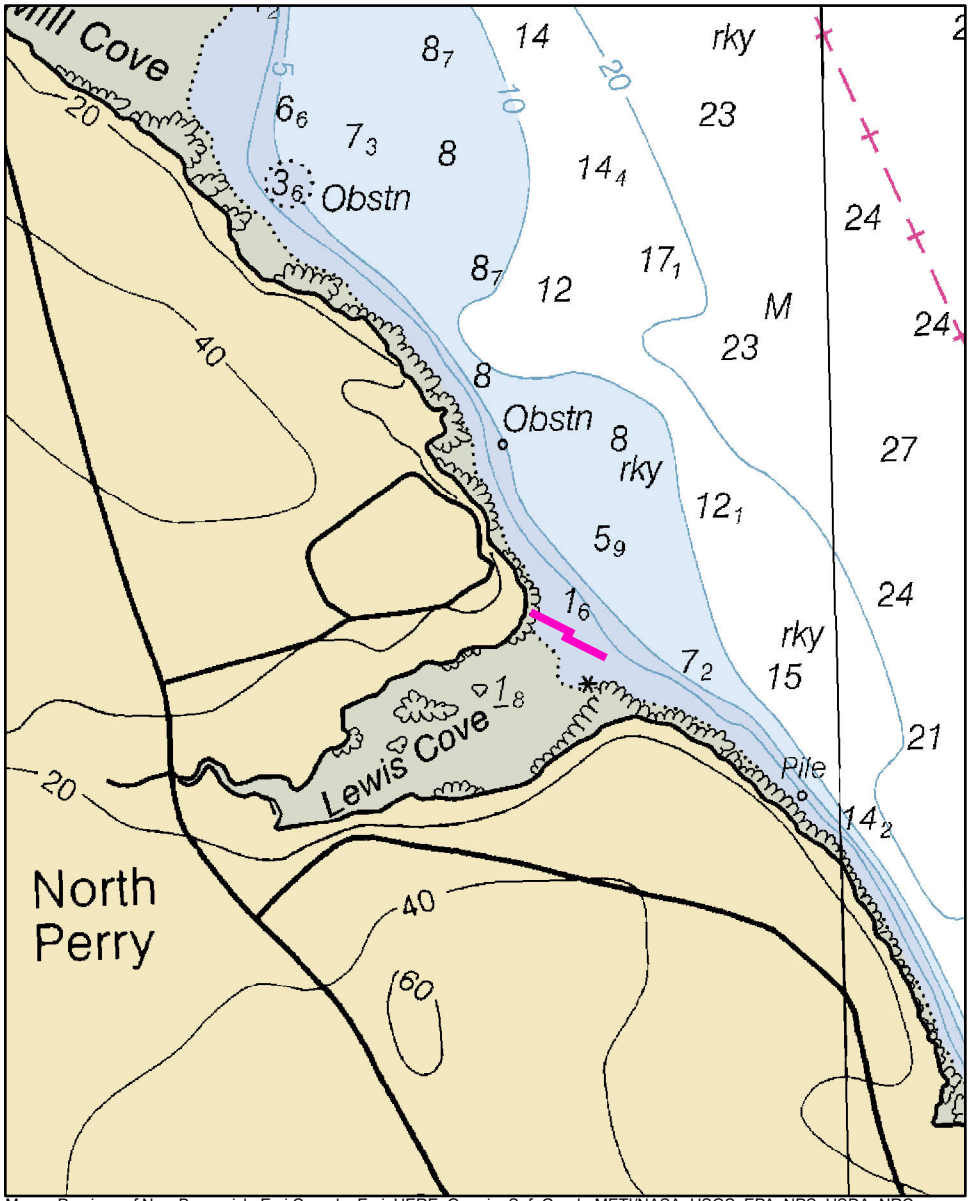
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**Legend**

- Boat Launches
- Staging Area
- Collection Point
- Water Treatment Intake
- Permanent Mooring
- Response Vessel
- Skimmer
- Vacuum Truck




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# D-25-1 Lewis Cove

**Town** Perry
**Latitude** 45° 2.267' N **Longitude** 67° 5.582' W
**Approx. Tidal Range (feet)** 19
**Max Current (knots)** **Flood** **Ebb**
**Source**

**Port Region** Downeast
**NOAA Chart #** 13398_1
**ESI Map #** 3A
**EVI Map #** 97
**DeLorme Map # (2019)** 37 D2

## Resources At Risk

**ESI Primary Shoreline Type** Mixed sand and gravel beaches (5)
**ESI Secondary Shoreline Type**

**Environmental Concerns** Shorebirds, shellfish and herring weirs in area

**Archaeological Conflicts** None noted. Contact MHPC at (207) 287-2132 if archaeological items are discovered.

## Strategy Information

**Strategy Purpose** To deflect oil from Lewis Cove

**Staging Areas** St. Croix River boat launch, Route 1 in Robbinston

**Site Access** St. Croix River boat launch, Route 1 in Robbinston

**Nearest Boat Ramp** St. Croix River boat launch, Route 1 in Robbinston (2.5 miles north)

**Collection Points** N/A. Deflection strategy

**Special Instructions**

**Work Assignment** Deploy two 500 foot sections of boom as shown to deflect oil on an incoming tide. Reverse for oil originating downriver.

## Recommended Equipment / Resources

**Length of Boom (feet)** 1000

**Type of Boom** 12" to 18" containment boom

**Recommended Equipment (Minimum)**

4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
1 - shoreside connection or additional anchor
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

**Unless otherwise indicated, the boom length given is the distance measured on the chart.**
**Actual length required may vary with conditions.**

**Last Desktop Validation:** 5/4/2019 **Last Field Visit** 6/13/2007 **Last Field Test:**