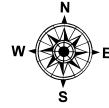


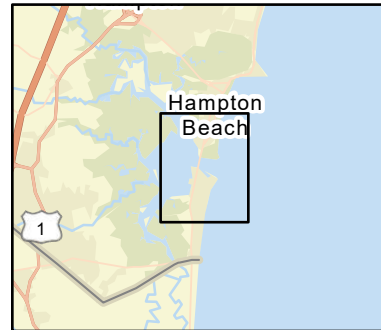
A-01-1

Hampton Harbor and Blackwater River Hampton, NH

0 1,000 2,000
Feet

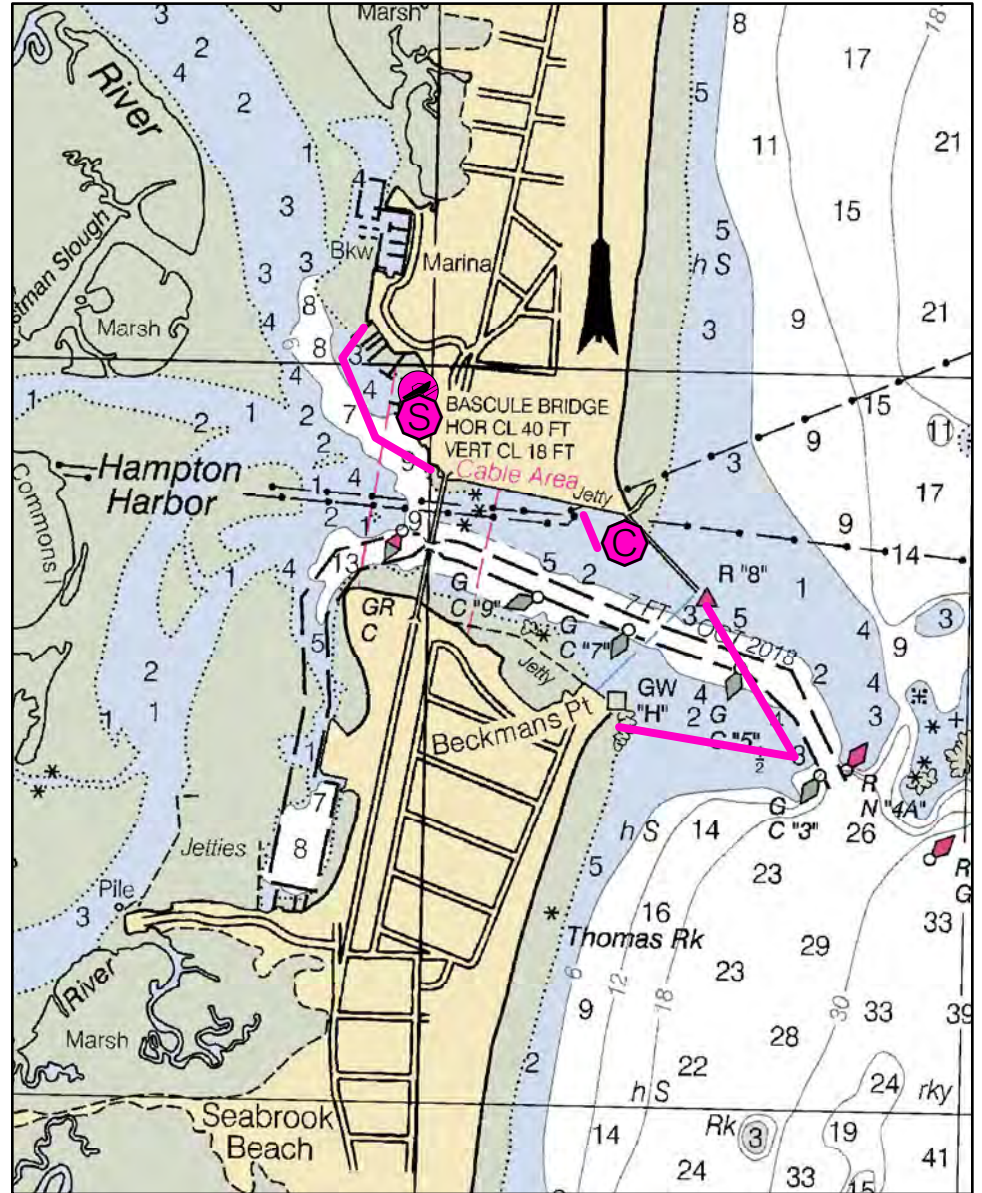


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Legend

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



A-01-1 Hampton Harbor and Blackwater River

Town	Hampton, NH	Port Region	New Hampshire and Southern Maine
Latitude	42° 53.645 N	Longitude	70° 48.644 W
Approx. Tidal Range (feet)	0 - 9'	NOAA Chart #	13278_2
Max Current (knots)	Flood 5	ESI Map #	57C, 56C
	Ebb 2	EVI Map #	N/A
Source	Estimated	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.

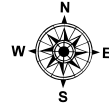
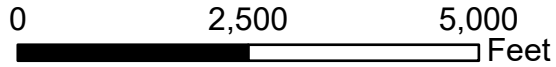
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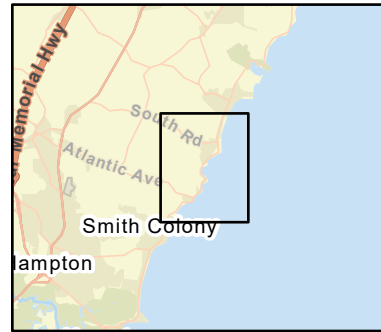
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A-01-2

Little River, North Hampton to Jenness Beach, Rye North Hampton / Rye, NH

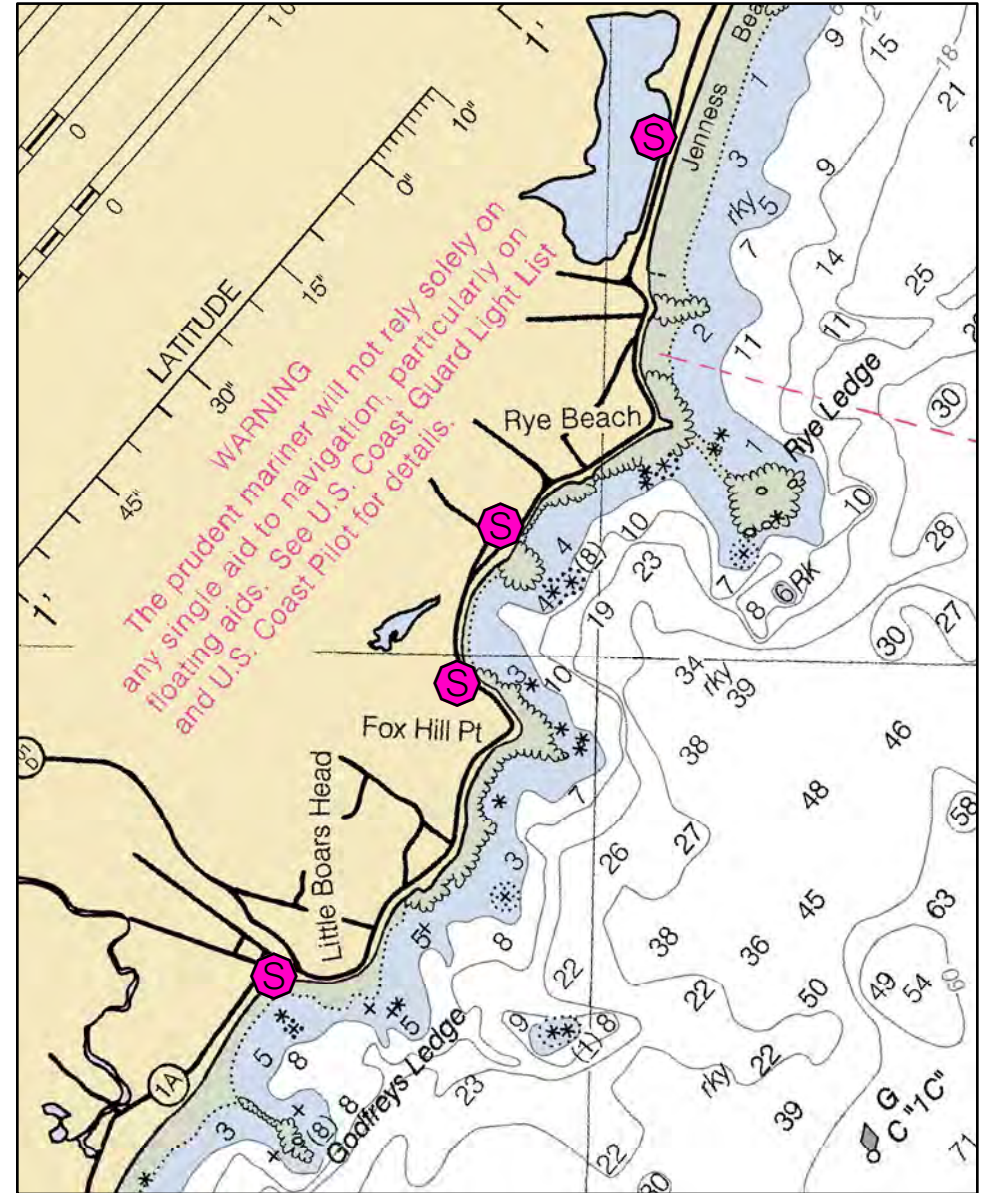
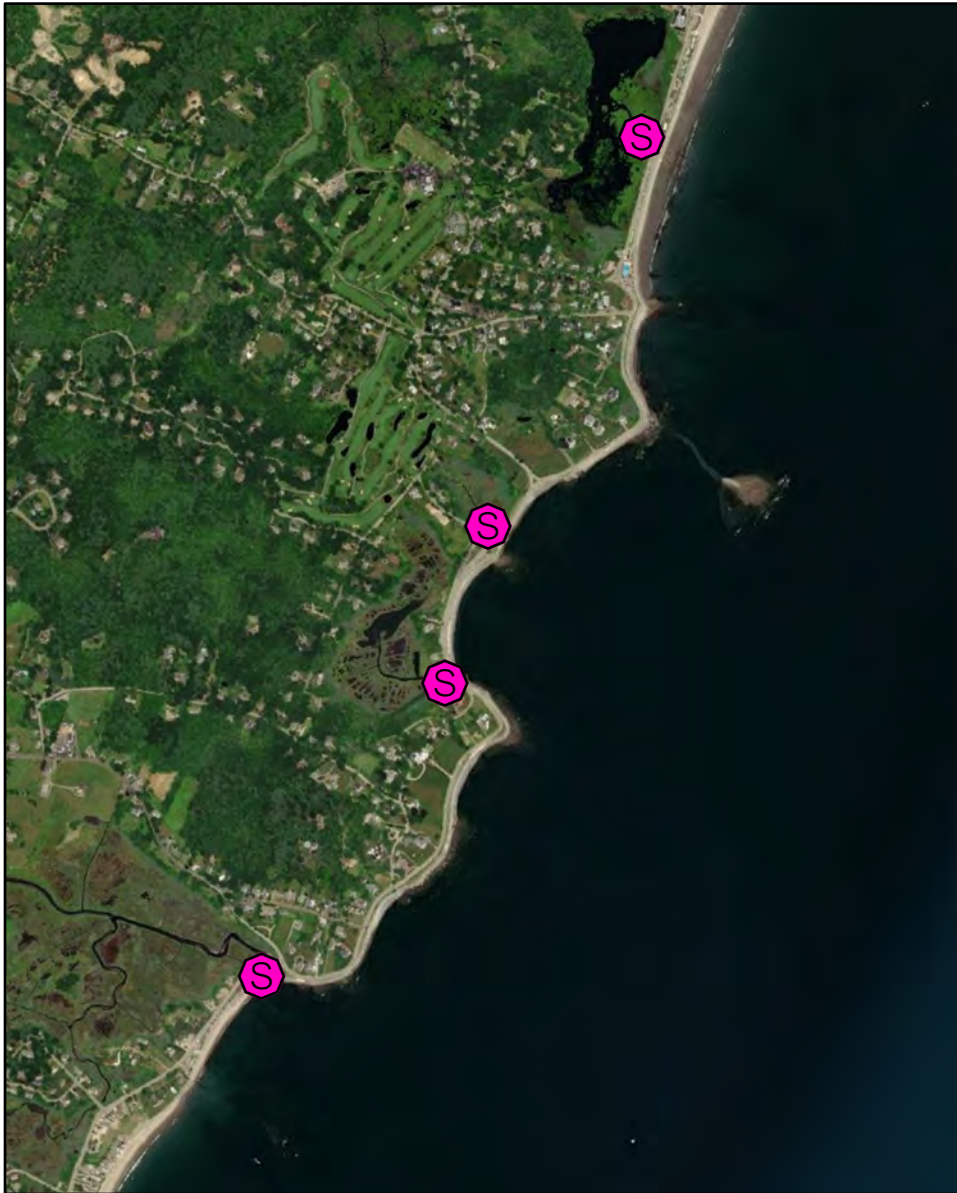


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Legend

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



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

Town	North Hampton and Rye, NH	Port Region	New Hampshire and Southern Maine
Latitude	varies	Longitude	varies
NOAA Chart #	13274_2		
Approx. Tidal Range (feet)	9	ESI Map #	56B, 56C
Max Current (knots)		EVI Map #	N/A
Source	Flood	DeLorme Map # (2019)	31, 30 (NH); 1 D3 (ME)
	Ebb		

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.

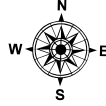
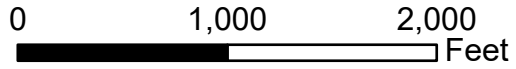
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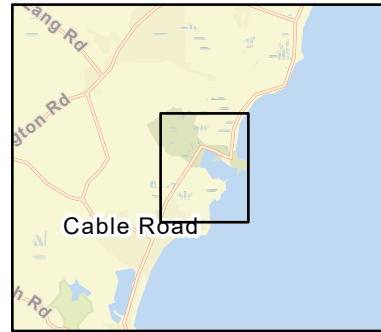
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A-02-1

Rye Harbor Rye, NH

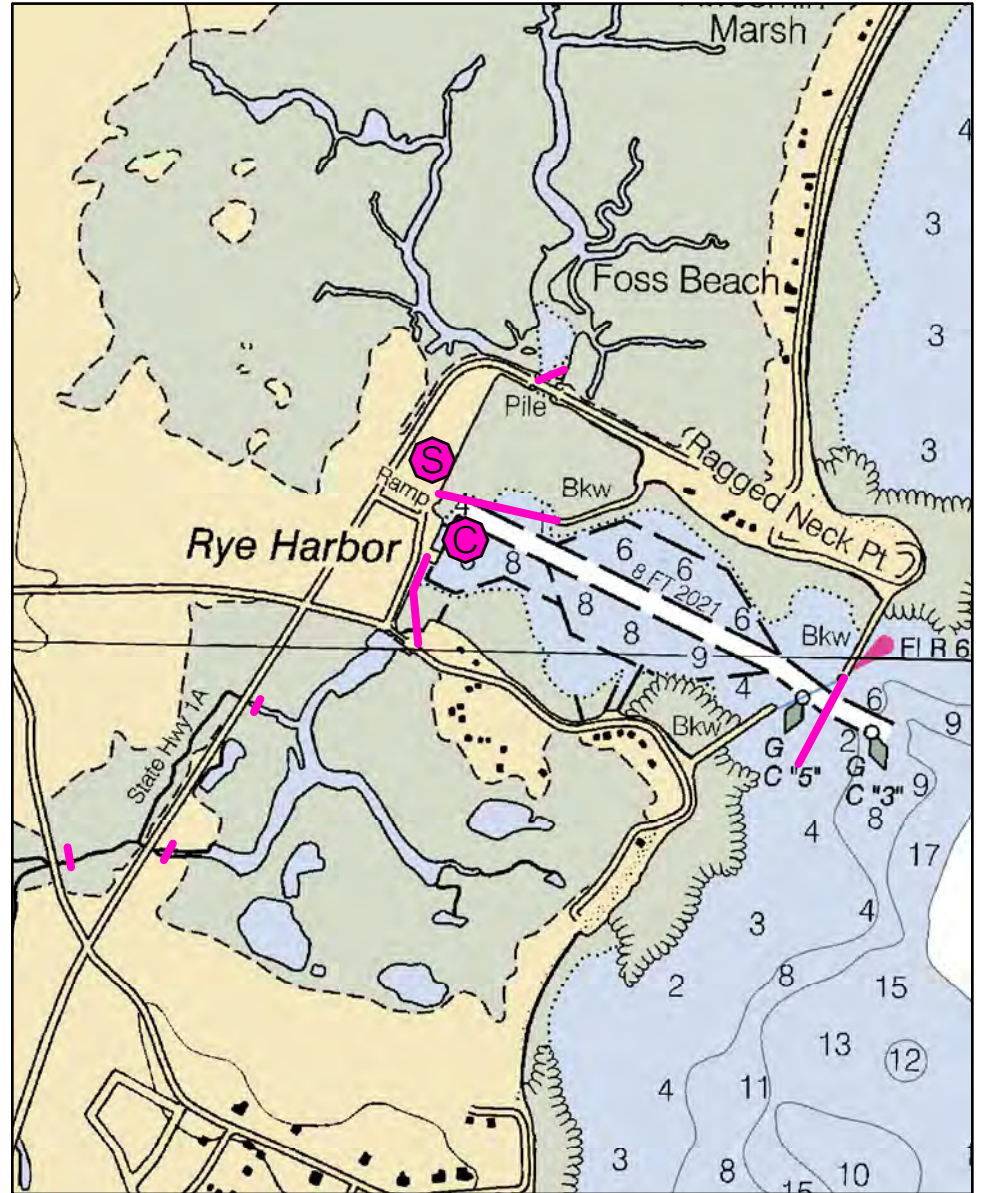


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Legend

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



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 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

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)

Unless otherwise indicated, the boom length given is the distance measured on the chart.

Actual length required may vary with conditions.

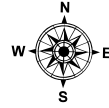
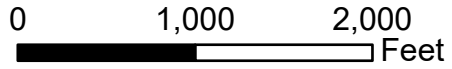
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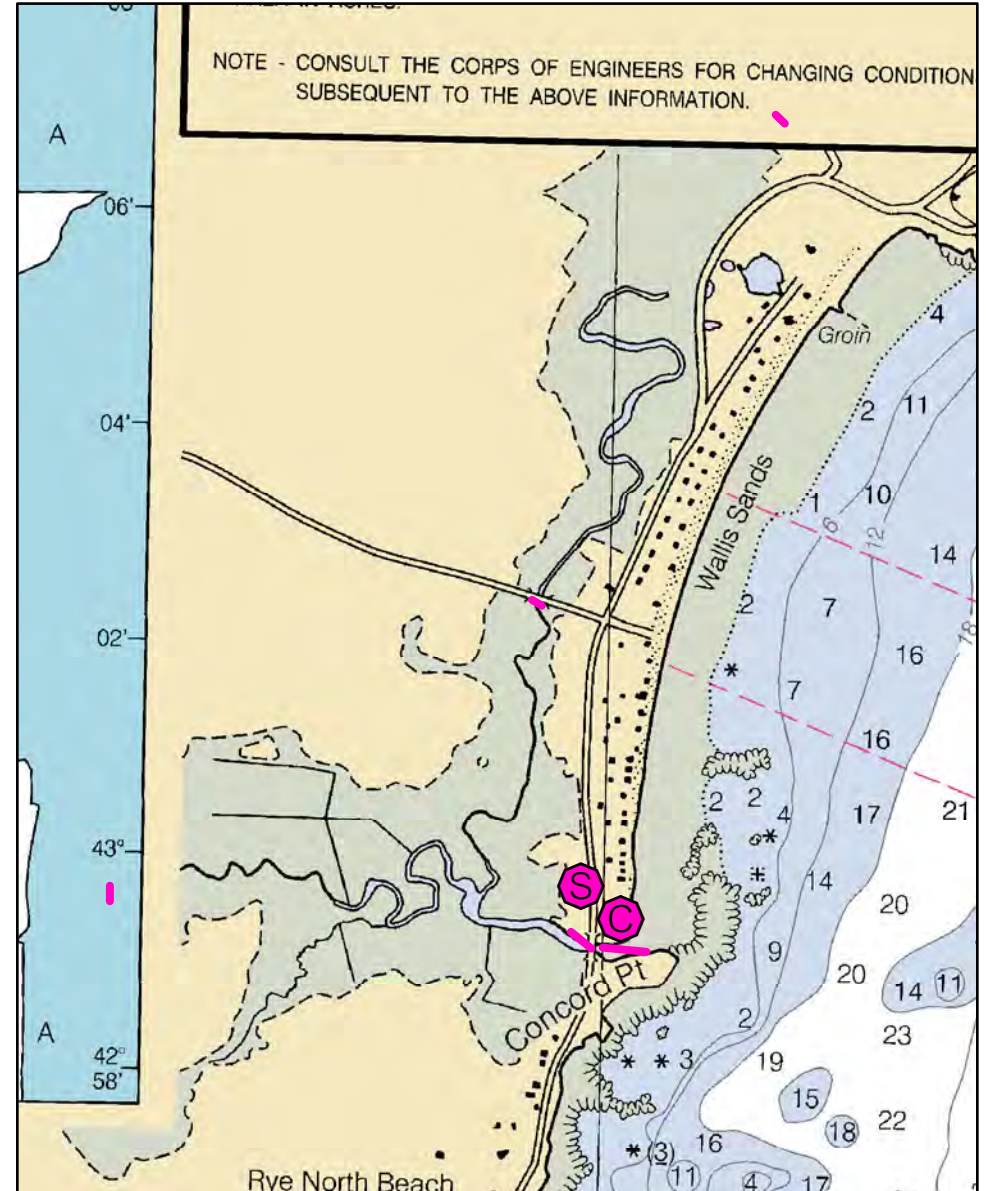
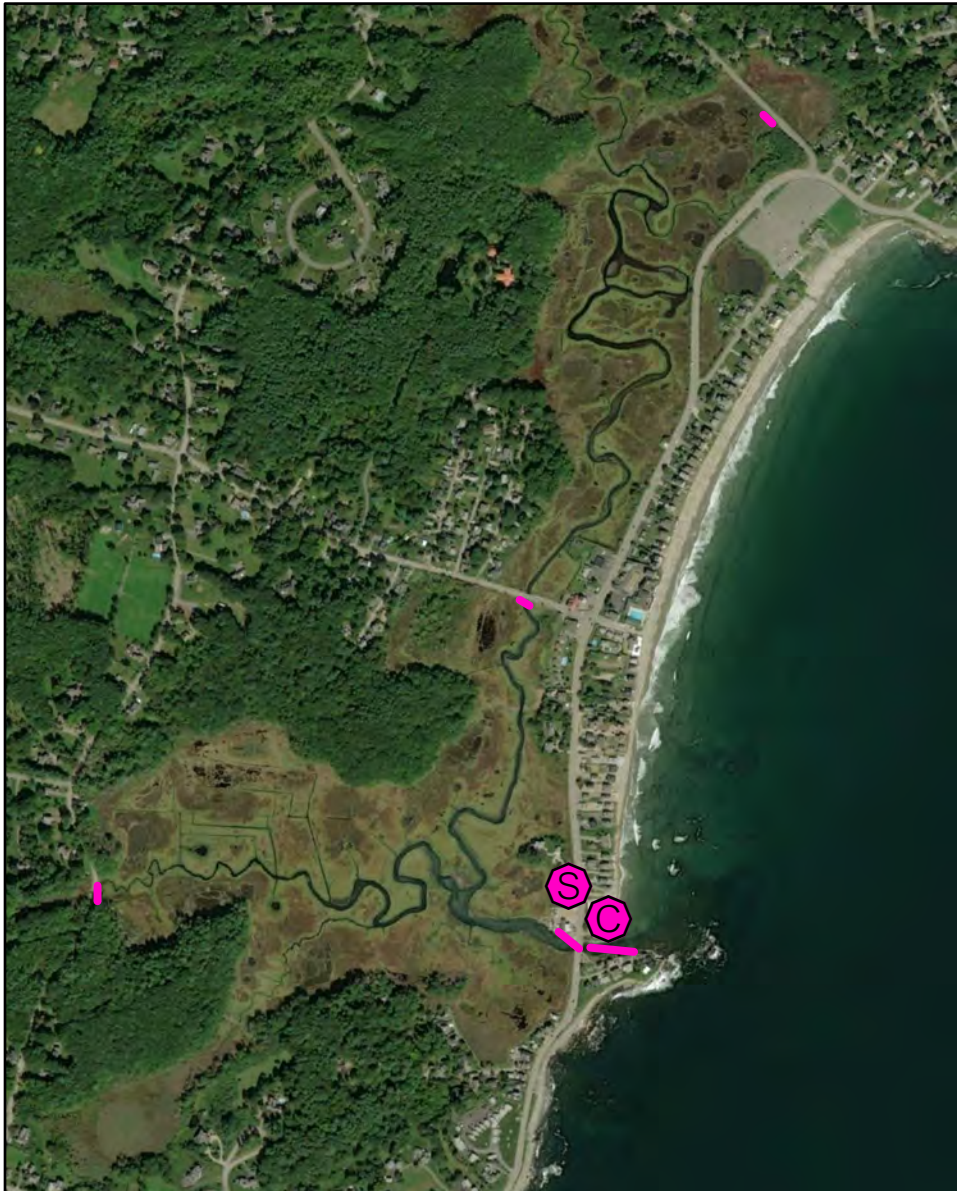
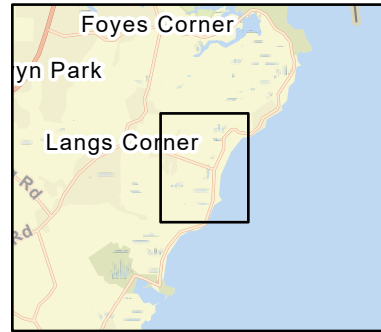
Last Field Test: 10/12/2016

A-03-1

Parson's Creek at Concord Point Rye, NH



Date printed: 9/10/2022 7:48 PM



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.

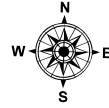
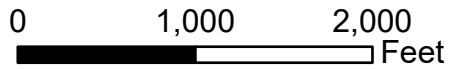
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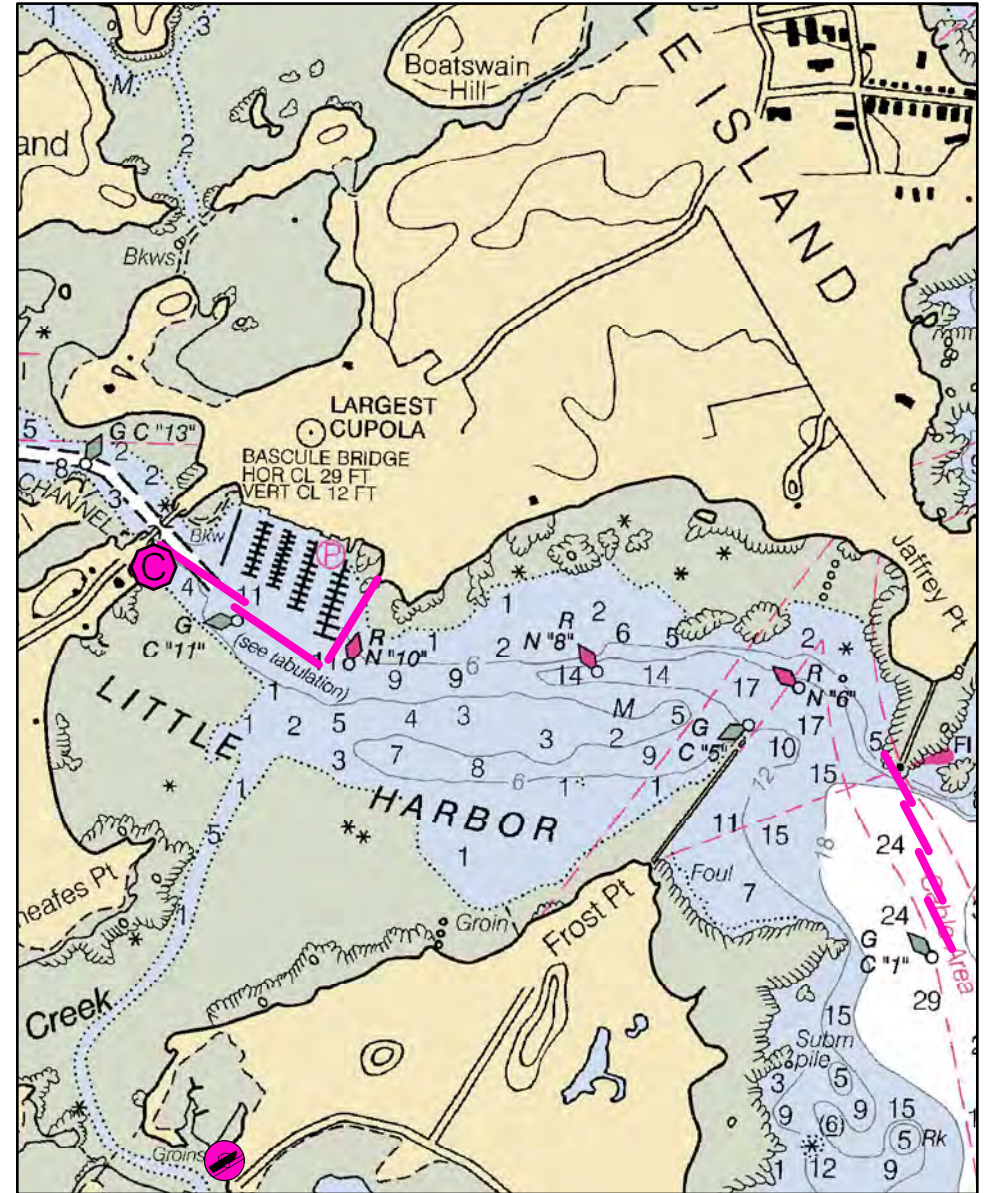
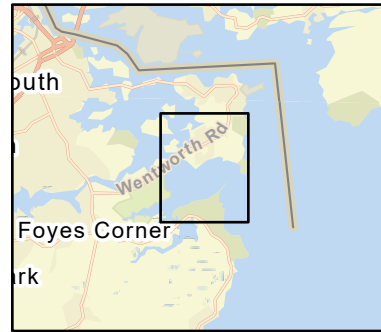
Last Field Test: 9/13/2004

A-04-1

Little Harbor Rye, NH



Date printed: 9/10/2022 7:48 PM



A-04-1 Little Harbor

Town New Castle, NH **Port Region** New Hampshire and Southern Maine
Latitude 43° 03.327 N **Longitude** 70° 43.321 W **NOAA Chart #** 13283_1
Approx. Tidal Range (feet) 10 **ESI Map #** 56B
Max Current (knots) **Flood** 0.70 **Ebb** 1.1 **EVI Map #** 2
Source NOAA current data (at mouth) **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.

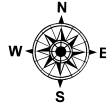
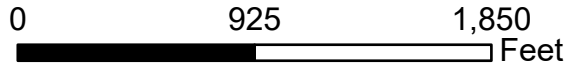
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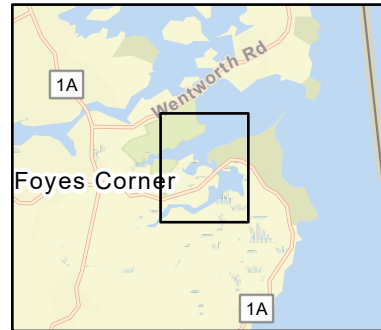
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A-04-2

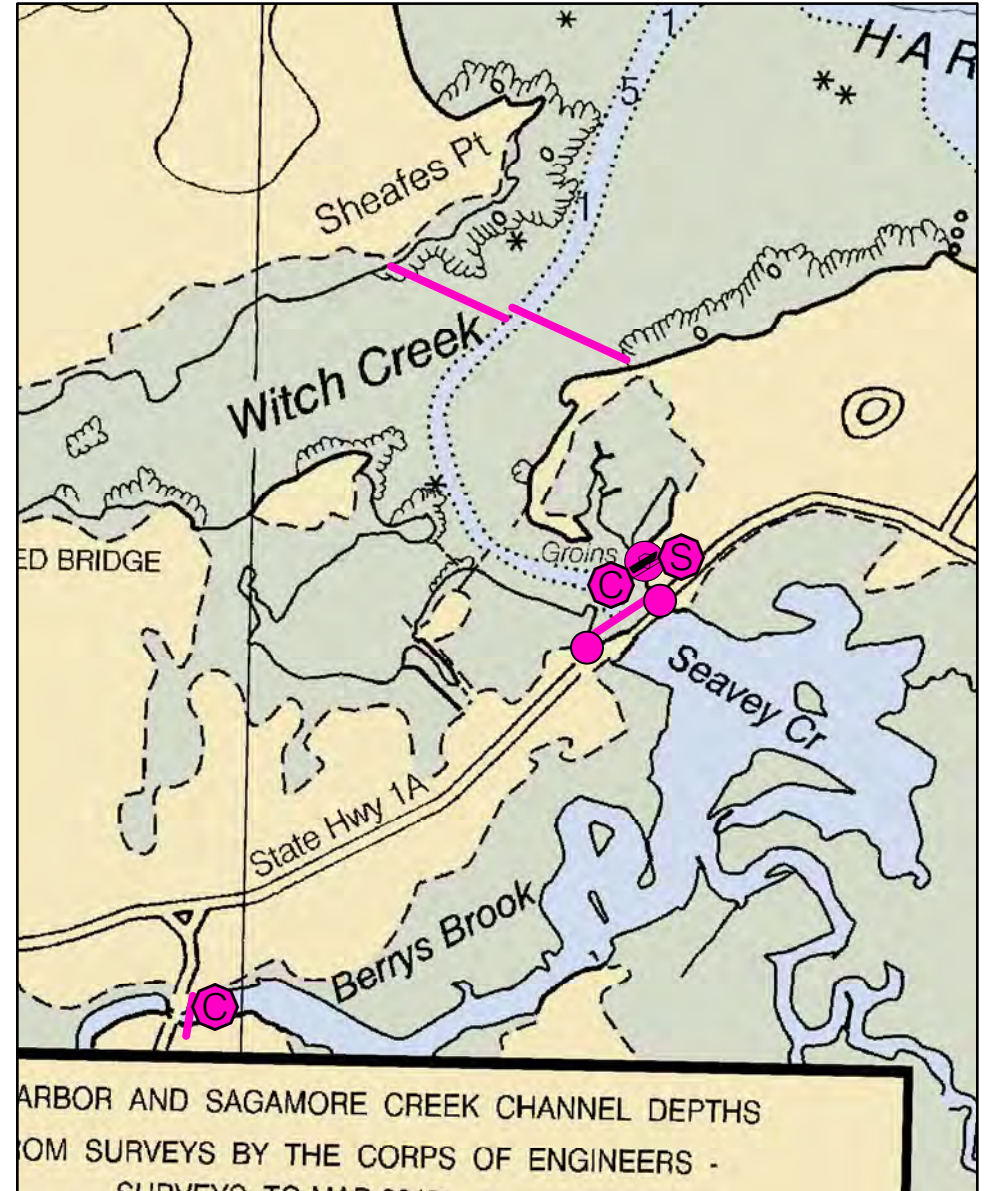
Witch Creek, Seavey Creek, and Berrys Brook Rye, NH



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



ARBOR AND SAGAMORE CREEK CHANNEL DEPTHS
FROM SURVEYS BY THE CORPS OF ENGINEERS -
SURVEYS TO MAR 1911

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

Town Rye, NH **Port Region** New Hampshire and Southern Maine
Latitude 43° 02.974' N **Longitude** 70° 43.793' W **NOAA Chart #** 13283_1
Approx. Tidal Range (feet) 10 **ESI Map #** 56B
Max Current (knots) **Flood** **Ebb** 1.1 **EVI Map #** 2
Source Estimated **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 Odiorne 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:	Secondary:
2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy.	1 - vehicle with boom
2 - shoreside connections	2 - vacuum truck or skimmer and storage
1 - skimmer and storage	2 - laborers
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.

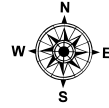
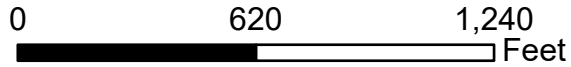
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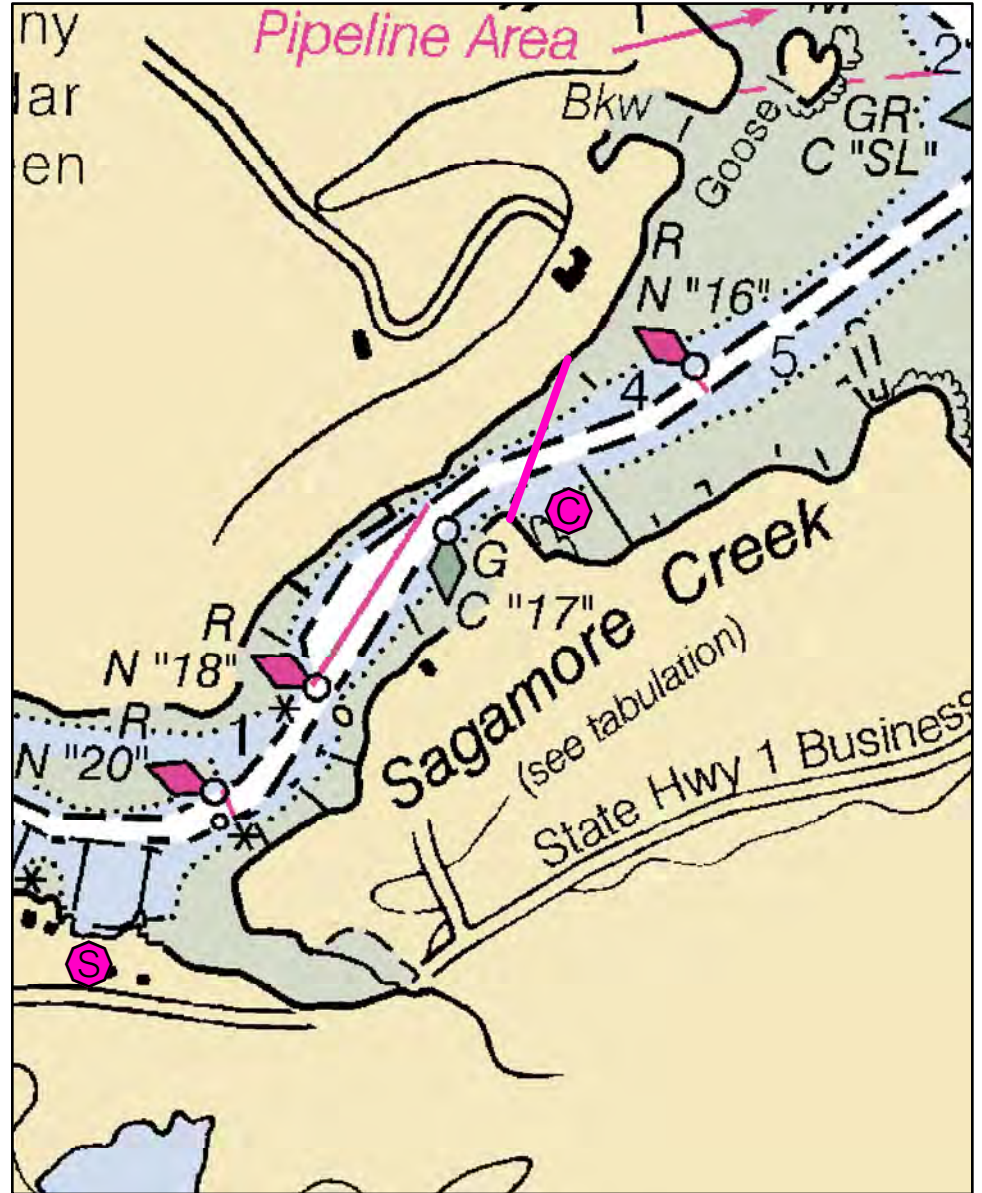
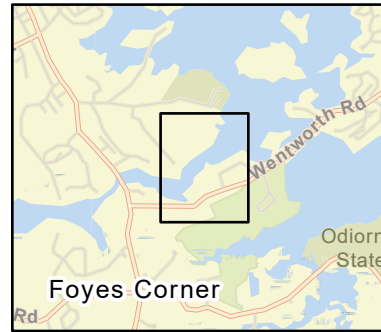
Last Field Test: 8/11/2004

A-04-3

Upper Sagamore Creek Portsmouth / Rye, NH



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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.

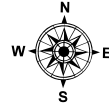
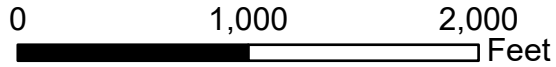
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Last Field Visit 7/31/2003

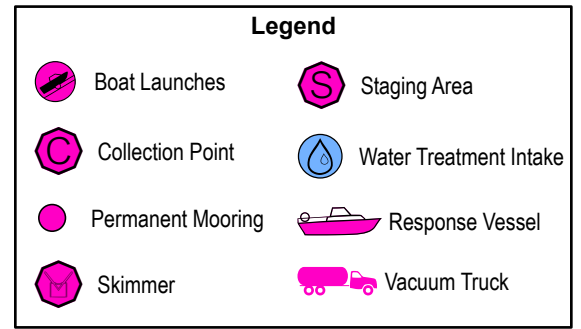
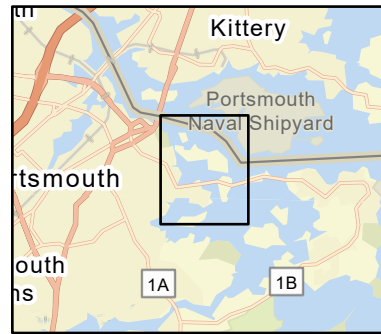
Last Field Test: 9/29/2004

A-05-1

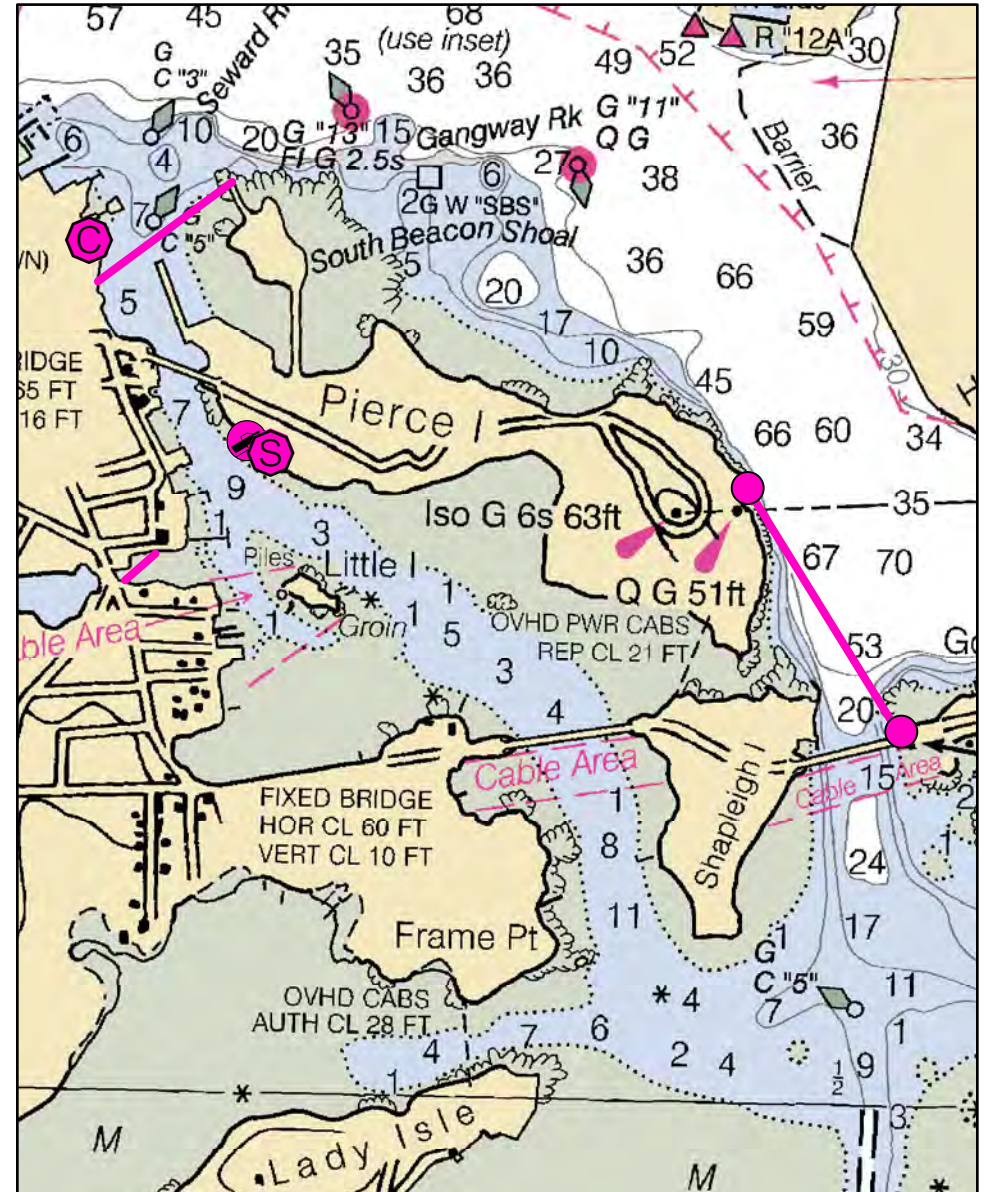
Prescott Park, Peirce Is, Goat Is, So. Mill Pond
Portsmouth, NH



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ARCHAEOLOGICAL CONFLICTS MAY BE PRESENT - SEE NARRATIVE



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

Town	Portsmouth, NH	Port Region	New Hampshire and Southern Maine
Latitude	43° 04.328 N	Longitude	70° 44.316 W
Approx. Tidal Range (feet)	10	NOAA Chart #	13283_1
Max Current (knots)	Flood 0.8	ESI Map #	54D, 56B
	Ebb 0.7	EVI Map #	2
Source	NOAA current data	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.

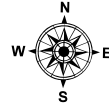
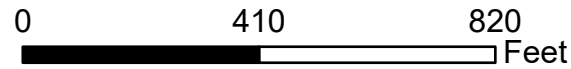
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Last Field Visit: 7/31/2003

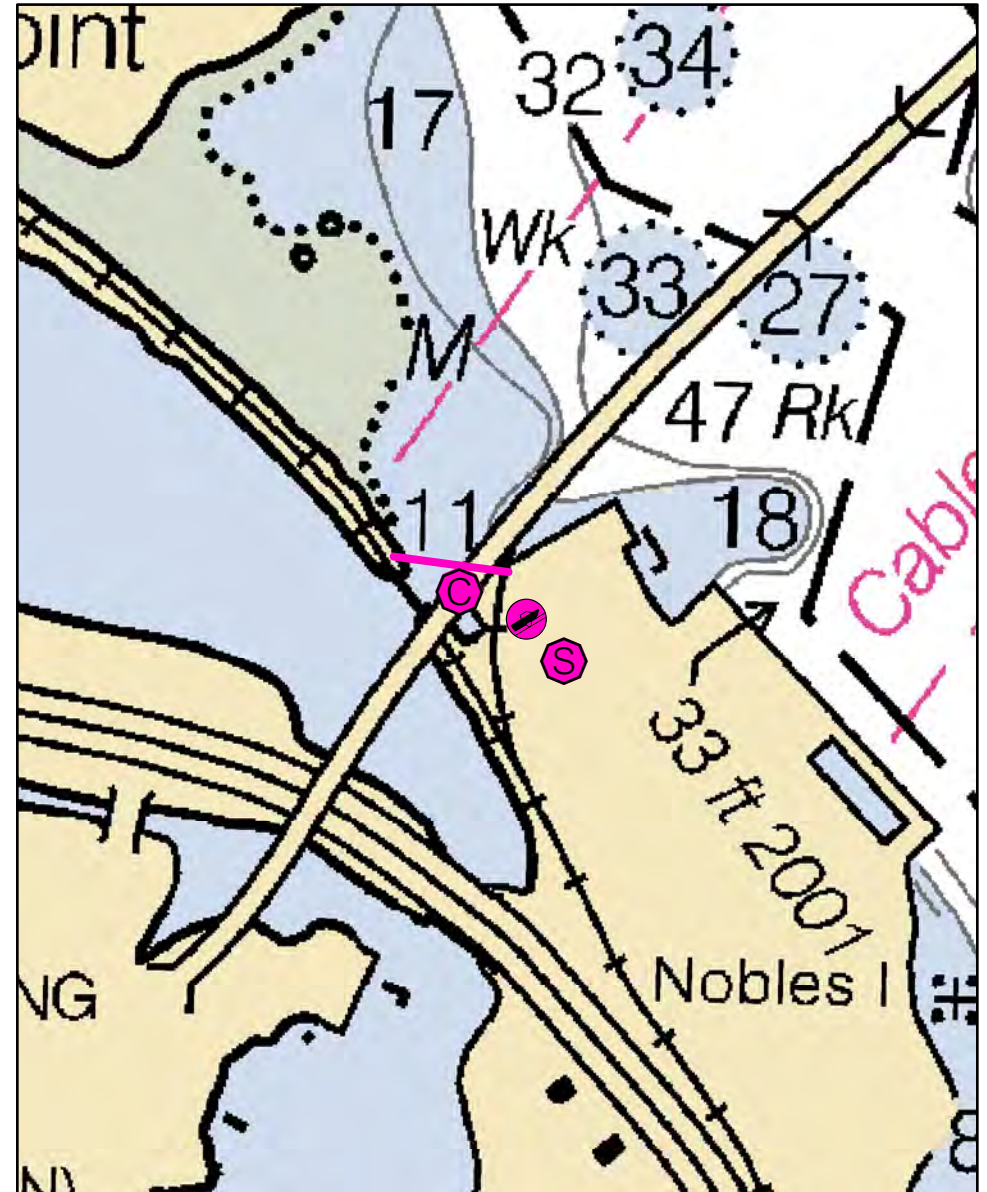
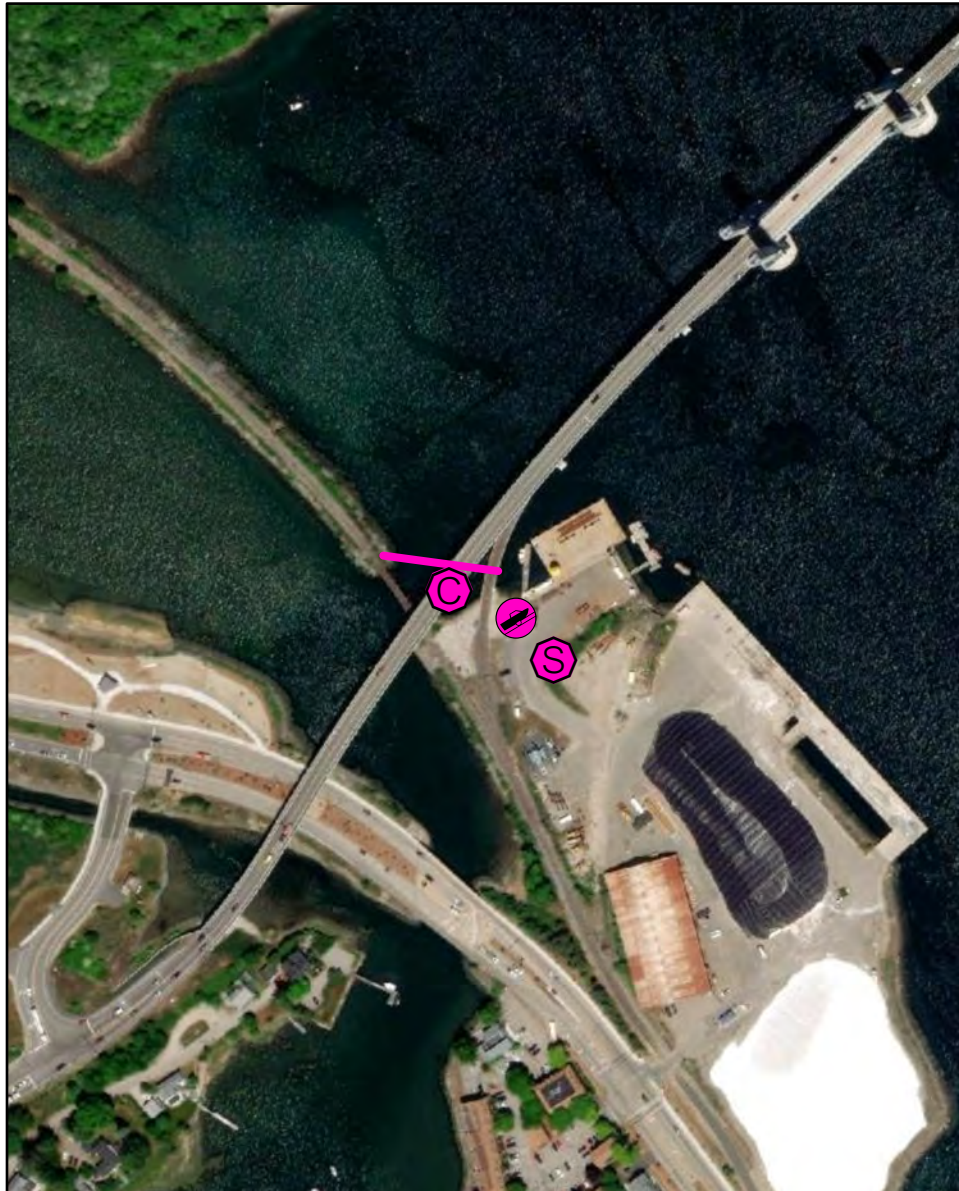
Last Field Test: 5/20/2004

A-06-1

North Mill Pond Portsmouth, NH



Date printed: 9/11/2022 7:03 AM



A-06-1 North Mill Pond

Town	Portsmouth, NH	Port Region	New Hampshire and Southern Maine
Latitude	43° 05.08 N	Longitude	70° 45.822 W
Approx. Tidal Range (feet)	10	NOAA Chart #	13285_1
Max Current (knots)	Flood	ESI Map #	54D
Source	Ebb	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.

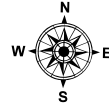
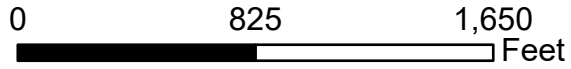
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Last Field Visit: 7/31/2003

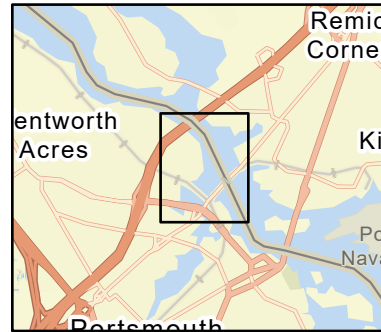
Last Field Test: 8/12/2004

A-07-1

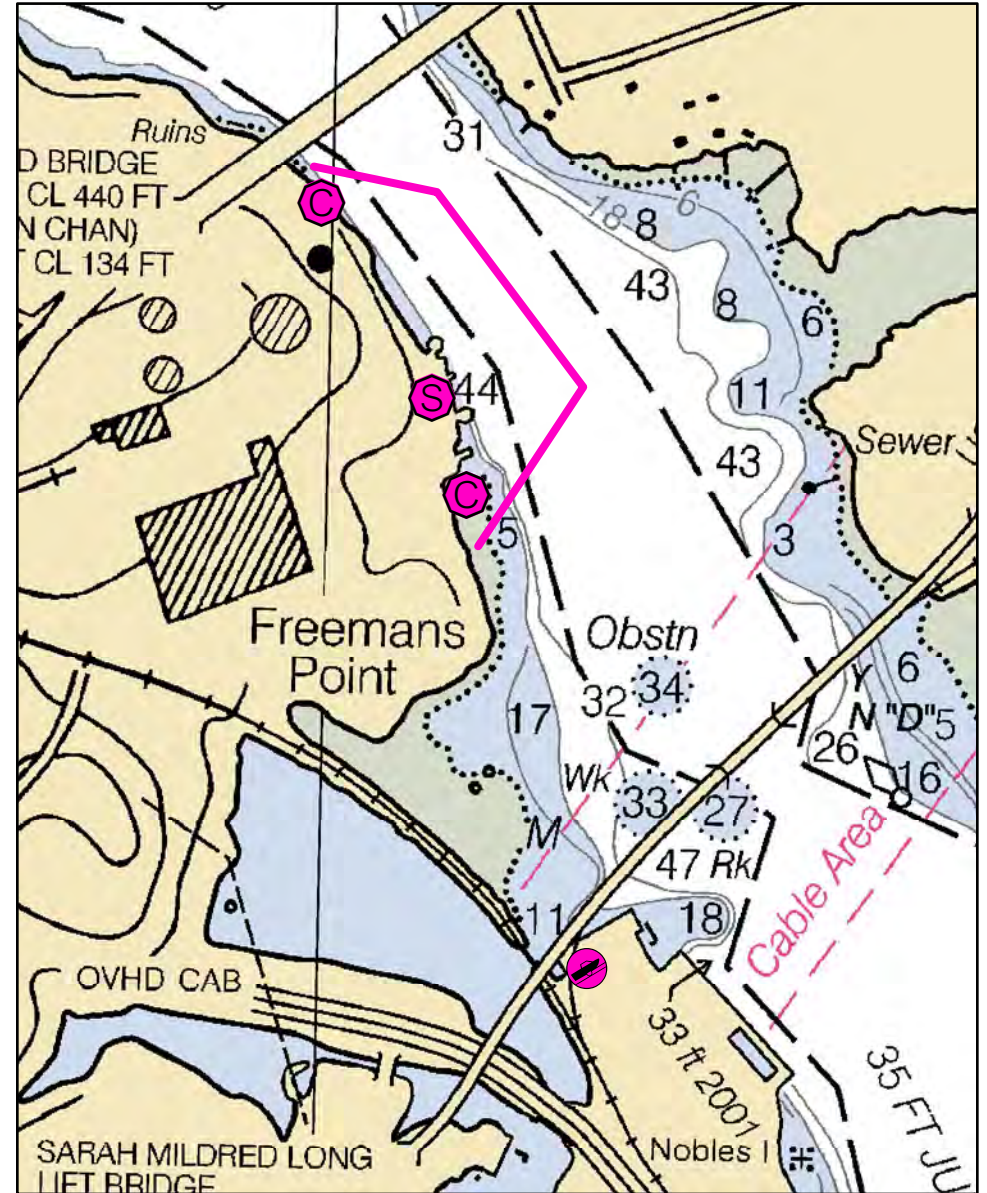
Irving Oil Corporation Terminal (flood) Portsmouth, NH



Date printed: 9/11/2022 7:03 AM



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



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

Town	Portsmouth, NH	Port Region	New Hampshire and Southern Maine
Latitude	43° 05.400 N	Longitude	70° 45.893 W
Approx. Tidal Range (feet)	9	NOAA Chart #	13285_1
Max Current (knots)	Flood 3.6	ESI Map #	54D
	Ebb 5.5	EVI Map #	2
Source	Estimated	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.

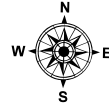
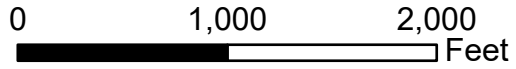
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Last Field Visit: 6/19/2003

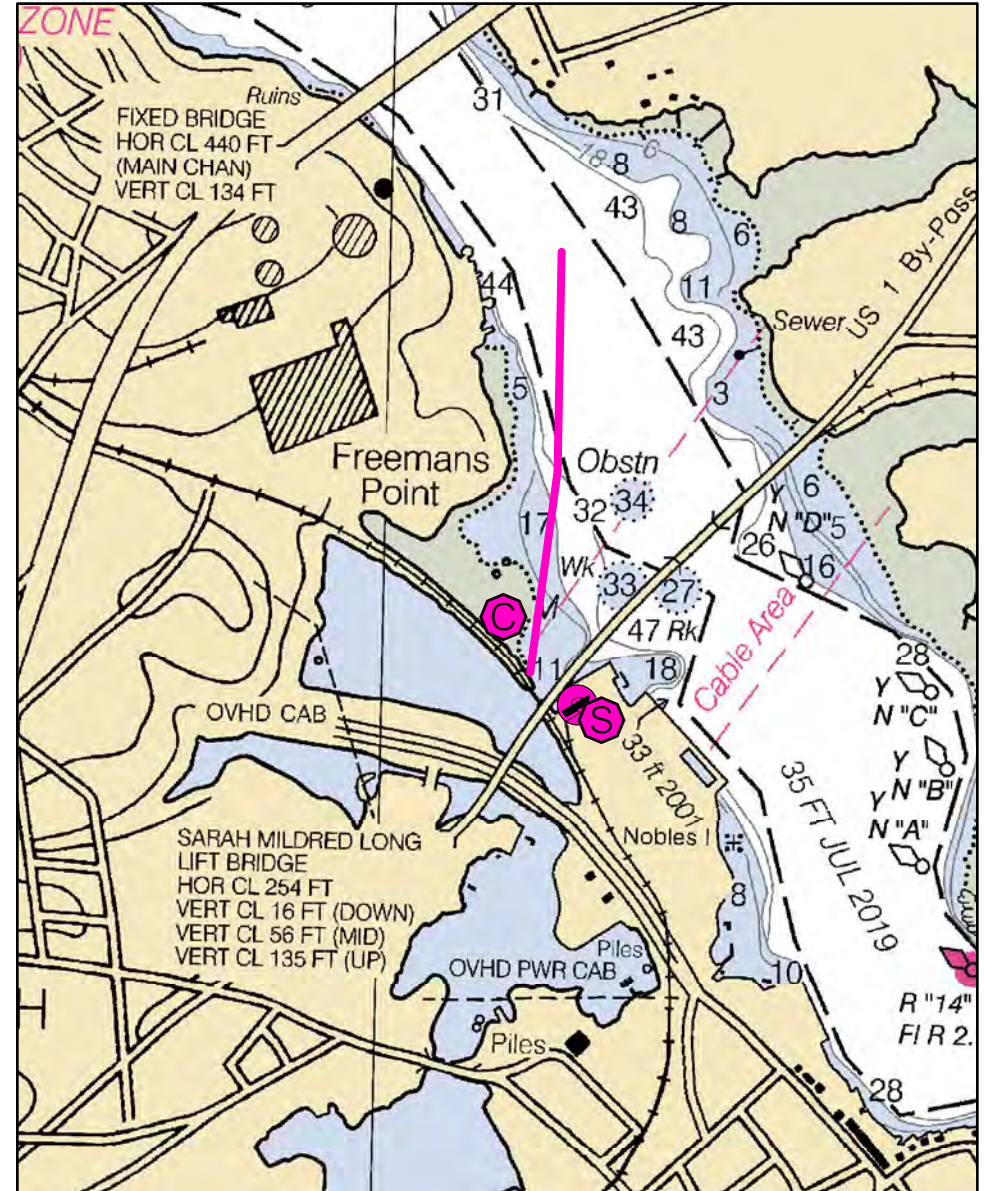
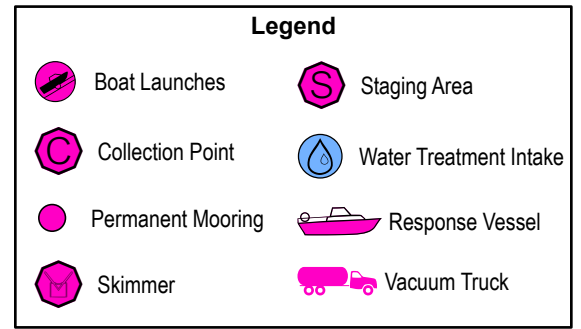
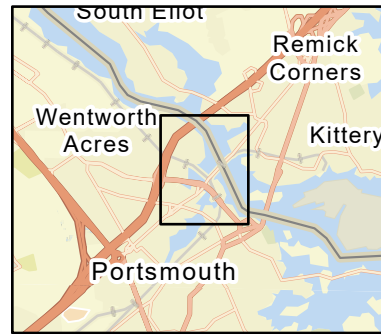
Last Field Test: 5/20/2004

A-07-2

Irving Oil Corporation Terminal (ebb) Portsmouth, NH



Date printed: 9/11/2022 7:02 AM



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

Town	Portsmouth, NH	Port Region	New Hampshire and Southern Maine
Latitude	43° 05.400 N	Longitude	70° 45.893 W
Approx. Tidal Range (feet)	9	NOAA Chart #	13285_1
Max Current (knots)	Flood 3.6	ESI Map #	54D
	Ebb 5.5	EVI Map #	2
Source	Estimated	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.

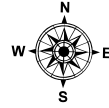
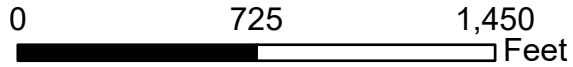
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Last Field Visit: 6/19/2003

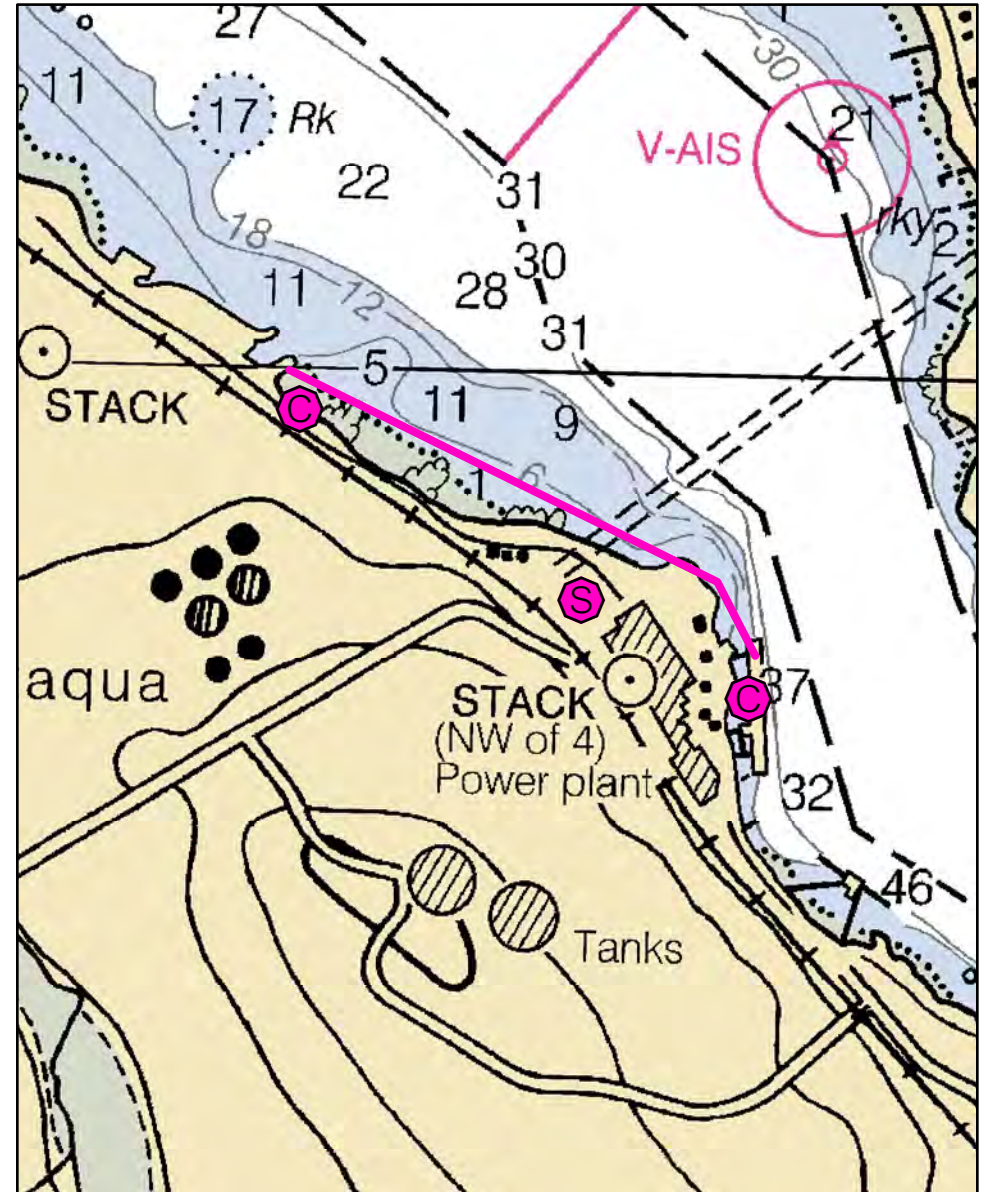
Last Field Test: 5/20/2004

A-08-1

Granite Shore Power Dock (flood) Portsmouth, NH



Date printed: 9/10/2022 7:48 PM



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.

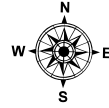
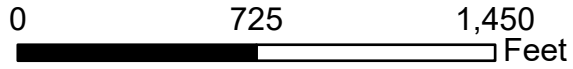
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Last Field Visit: 6/19/2003

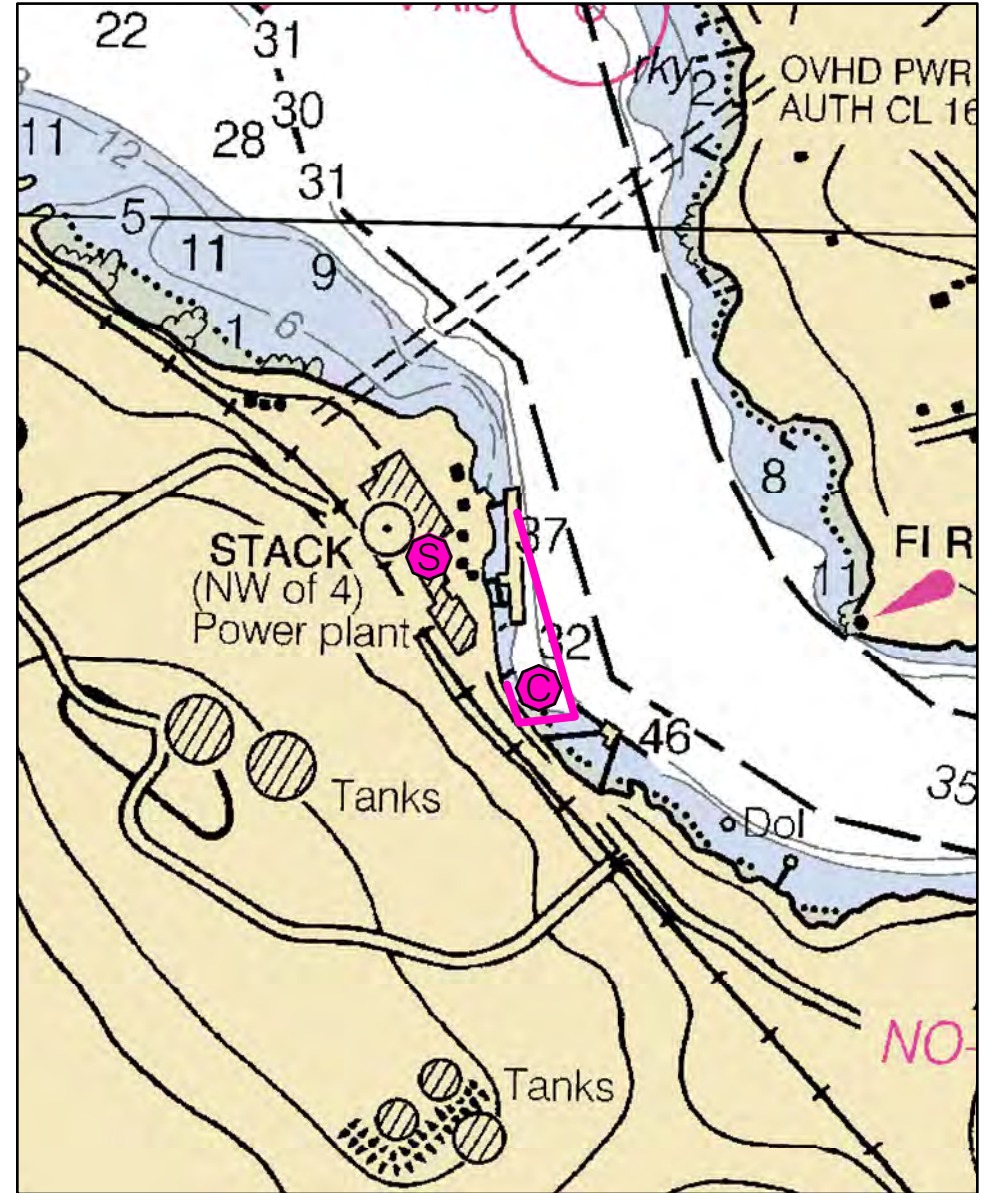
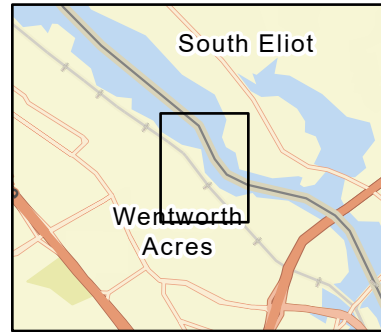
Last Field Test: 9/8/2004

A-08-2

Granite Shore Power Dock (ebb) Portsmouth, NH



Date printed: 9/10/2022 7:49 PM



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

Town	Portsmouth, NH	Port Region	New Hampshire and Southern Maine
Latitude	43° 05.862 N	Longitude	70° 46.950 N
Approx. Tidal Range (feet)	9	NOAA Chart #	13285_1
Max Current (knots)	Flood 3.9	ESI Map #	55B, 54D
	Ebb 4.1	EVI Map #	2
Source	Estimated	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.

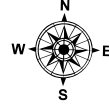
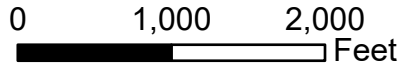
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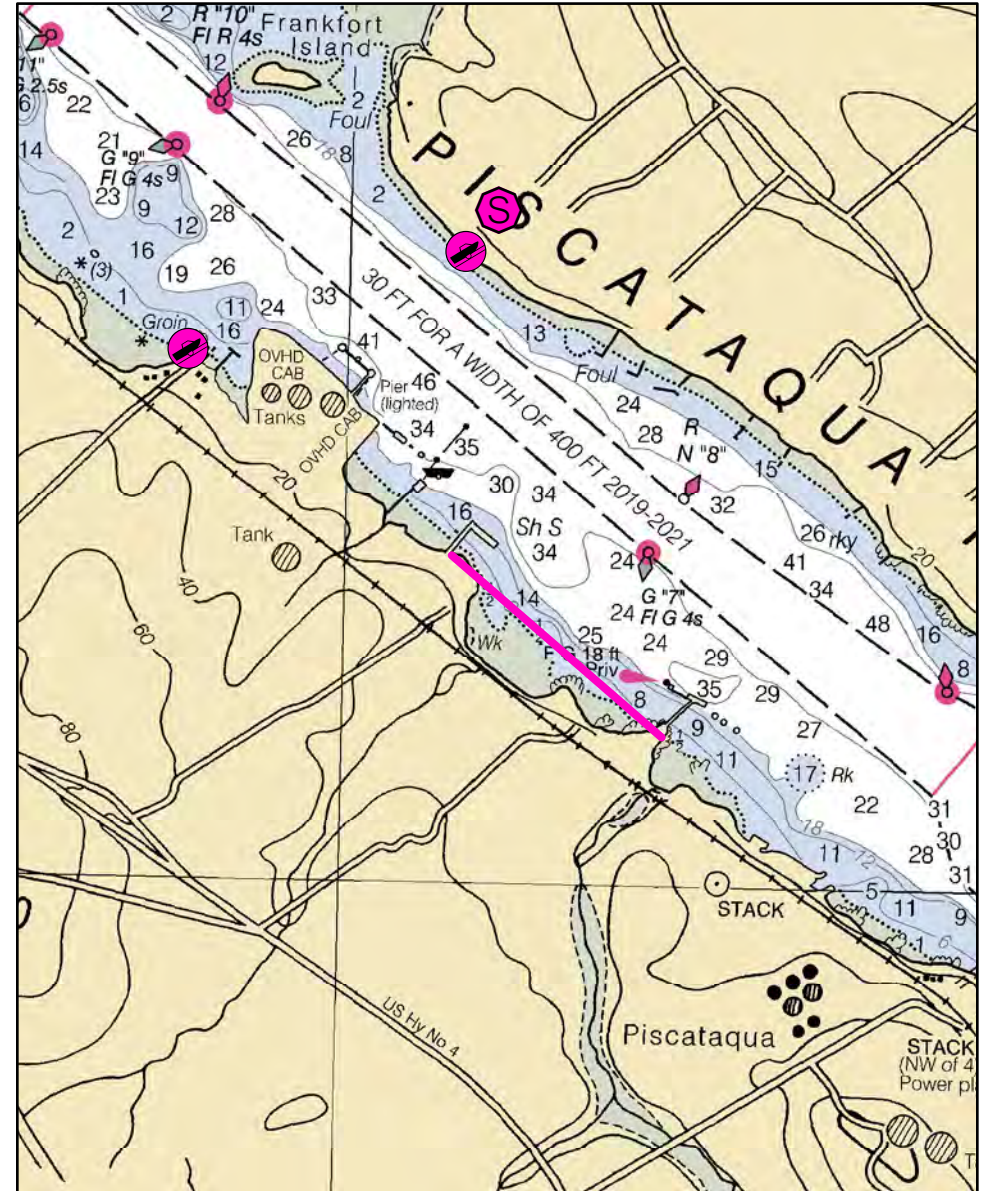
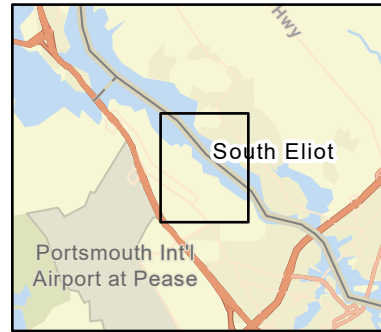
Last Field Test: 10/18/2006

A-09-1

Between Little Bay Lobster and SubCom
Newington, NH



Date printed: 9/10/2022 7:49 PM



A-09-1 Between Little Bay Lobster and SubCom

Town	Newington, NH	Port Region	New Hampshire and Southern Maine
Latitude	43° 06.381' N	Longitude	70° 47.789' W
Approx. Tidal Range (feet)	9	NOAA Chart #	13285_1
Max Current (knots)	Flood 2.6	ESI Map #	55B
	Ebb 2.9	EVI Map #	2
Source	NOAA current data	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.

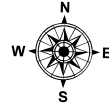
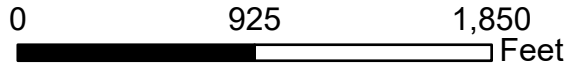
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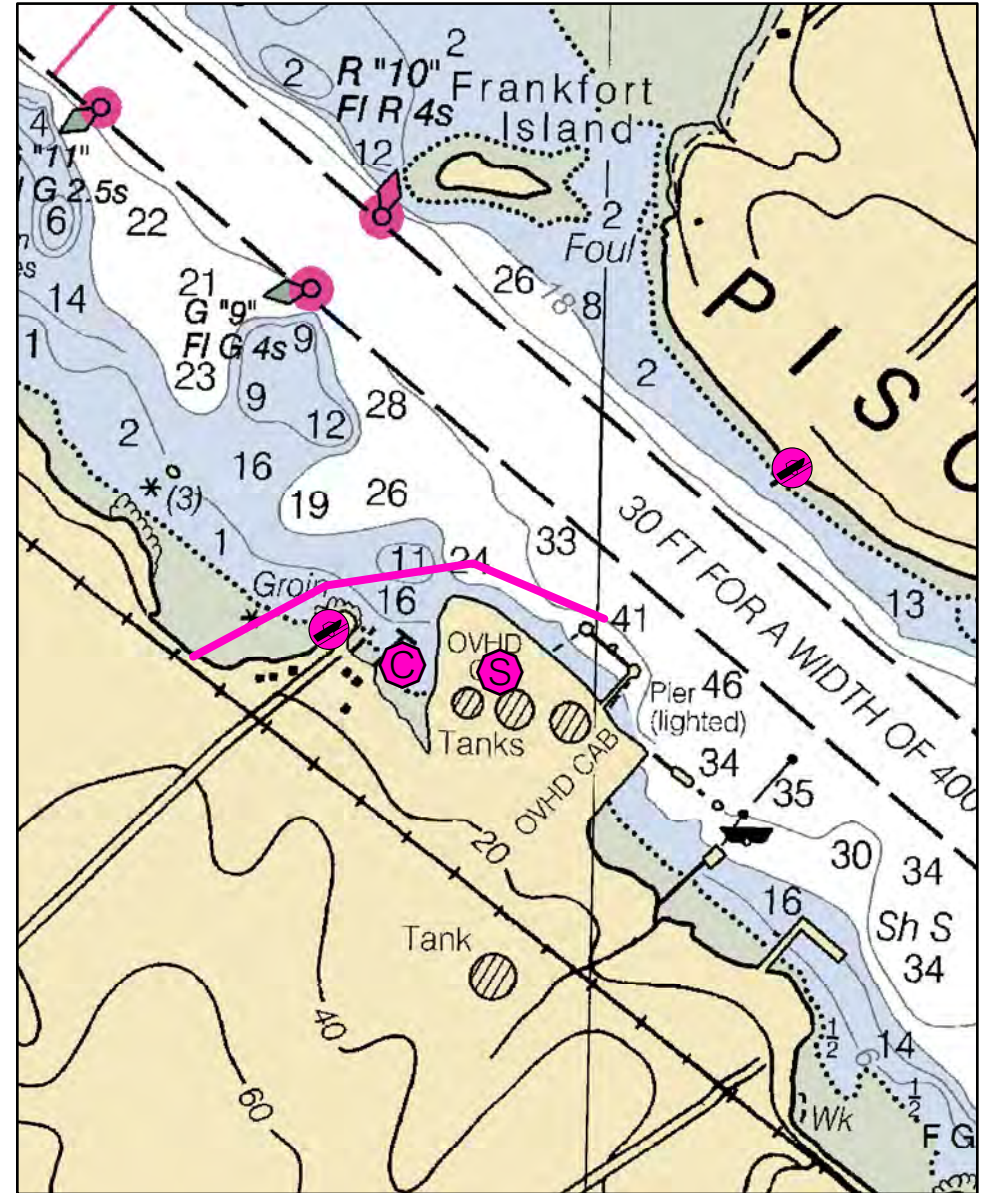
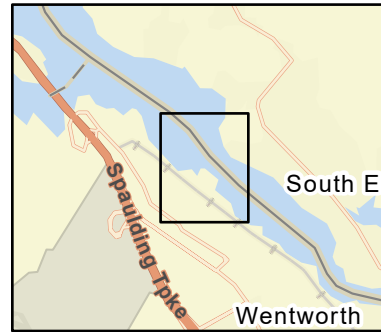
Last Field Test:

A-10-1

Sprague Avery Lane (flood) Newington, NH



Date printed: 9/10/2022 7:49 PM



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

Town	Newington, NH	Port Region	New Hampshire and Southern Maine
Latitude	43° 06.573' N	Longitude	70° 48.011' W
Approx. Tidal Range (feet)	9	NOAA Chart #	13285_1
Max Current (knots)	Flood 2.6	ESI Map #	55B
	Ebb 2.9	EVI Map #	2
Source	NOAA current data	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.

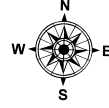
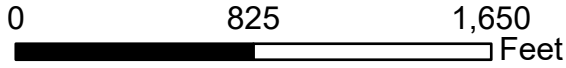
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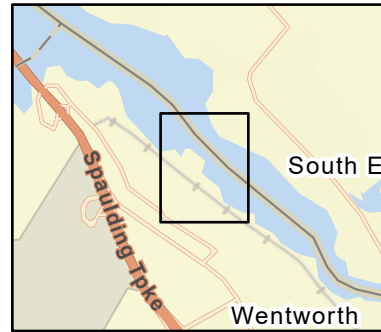
Last Field Test: 5/4/2005

A-10-2

Sprague Avery Lane Terminal (ebb) Newington, NH

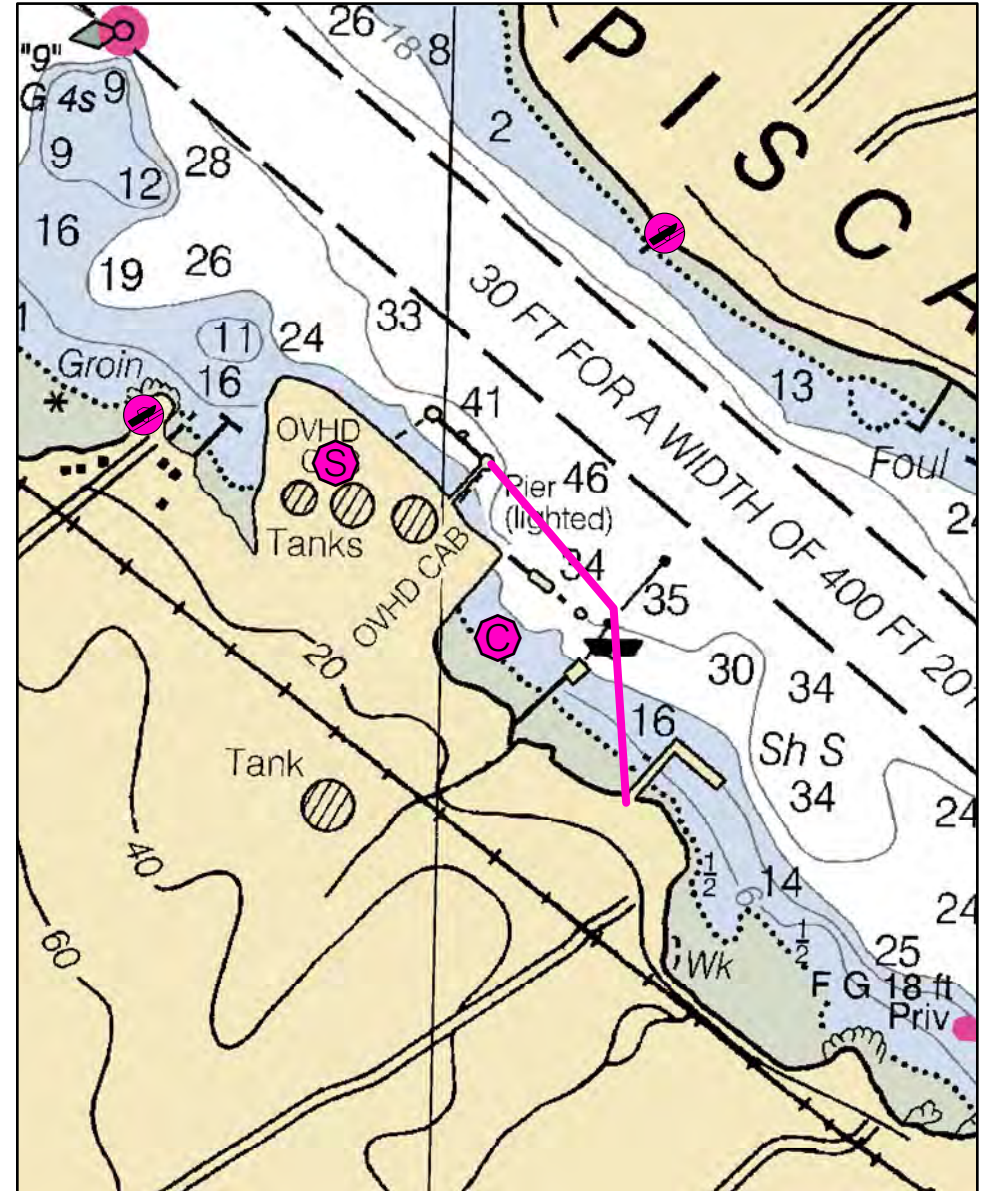


Date printed: 9/10/2022 7:49 PM



Legend

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



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

Town	Newington, NH	Port Region	New Hampshire and Southern Maine
Latitude	43° 06.525' N	Longitude	°70 47.943' W
Approx. Tidal Range (feet)	9	NOAA Chart #	13285_1
Max Current (knots)	Flood 2.6	ESI Map #	55B
	Ebb 2.9	EVI Map #	2
Source	NOAA current data	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.

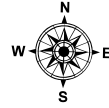
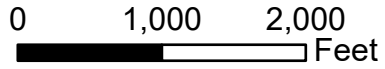
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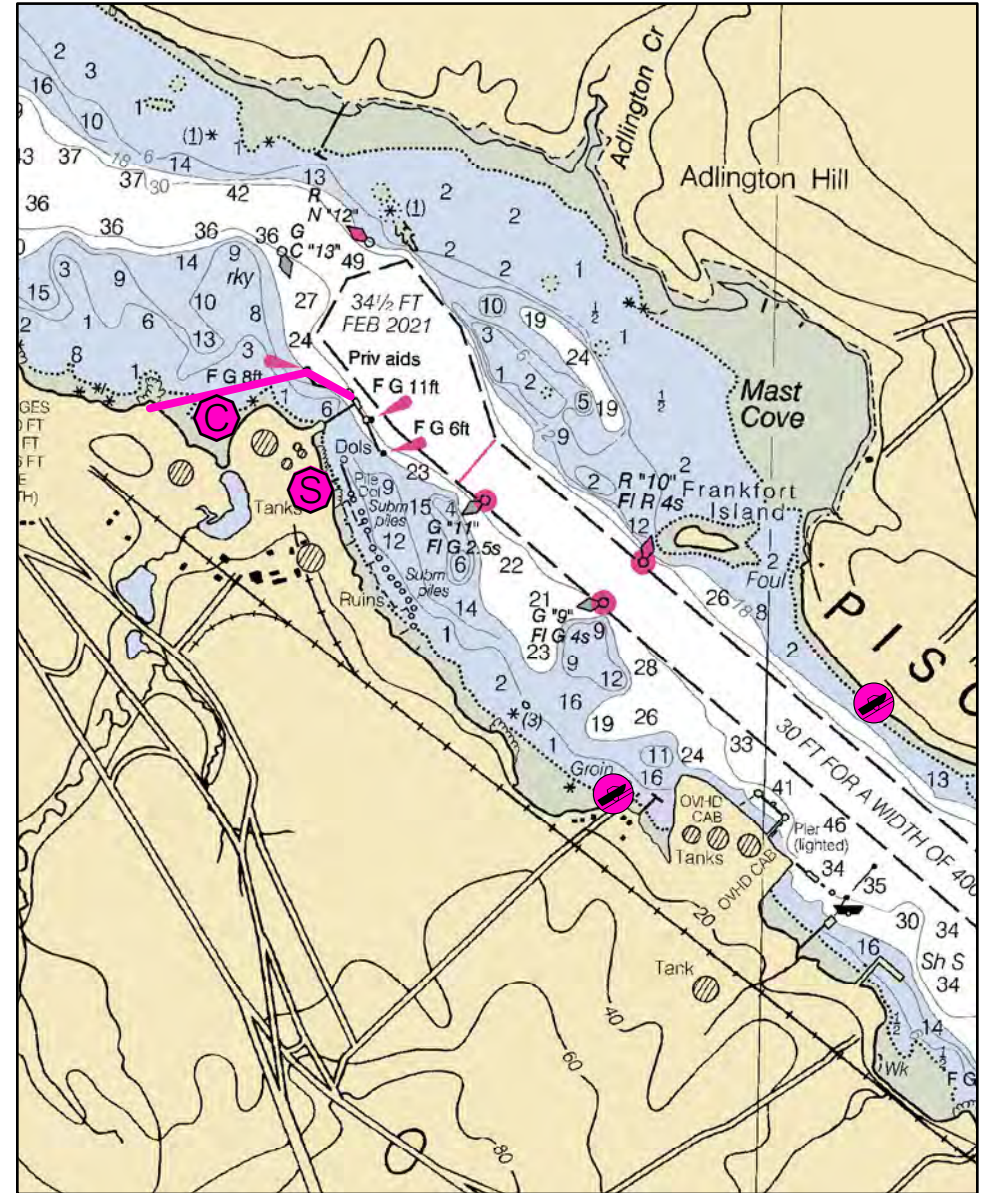
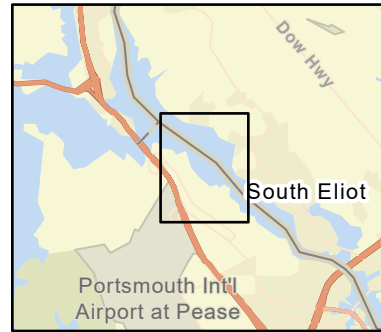
Last Field Test: 5/4/2005

A-11-1

Sprague River Road Terminal (flood) Newington, NH



Date printed: 9/10/2022 8:03 PM



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

Town	Newington, NH	Port Region	New Hampshire and Southern Maine
Latitude	43° 07.005 N	Longitude	70° 48.641 W
Approx. Tidal Range (feet)	9	NOAA Chart #	13285_1
Max Current (knots)	Flood 2.6	ESI Map #	55B
	Ebb 2.9	EVI Map #	2
Source	NOAA current data	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.

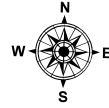
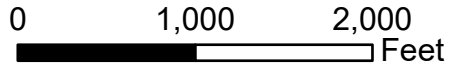
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Last Field Visit: 6/19/2003

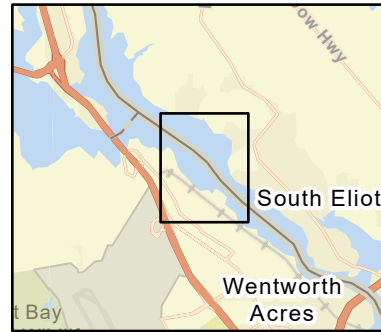
Last Field Test: 5/23/2002

A-11-2

Sprague River Road Terminal (ebb) Newington, NH

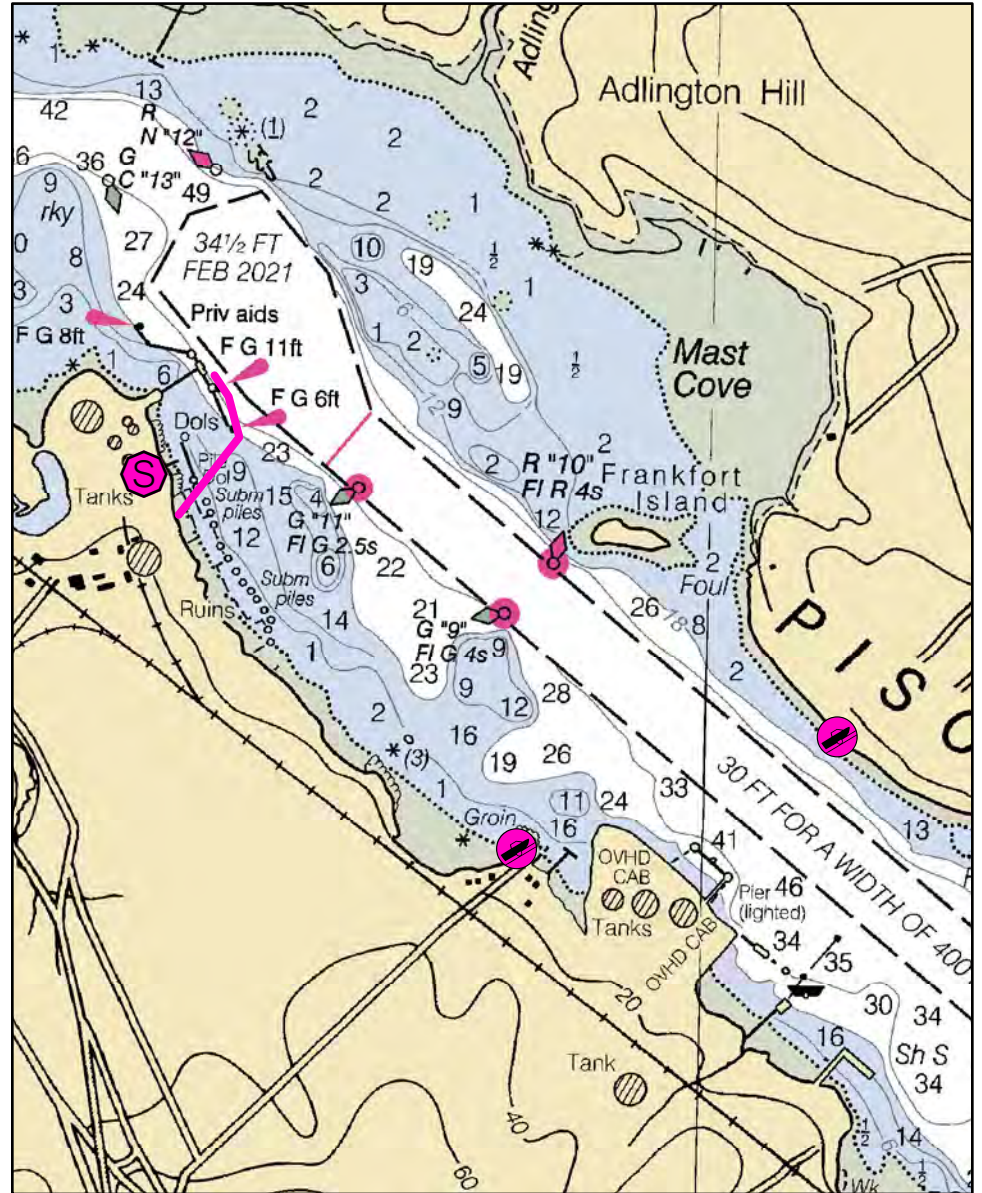


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Legend

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



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

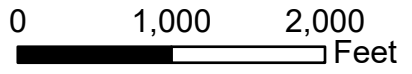
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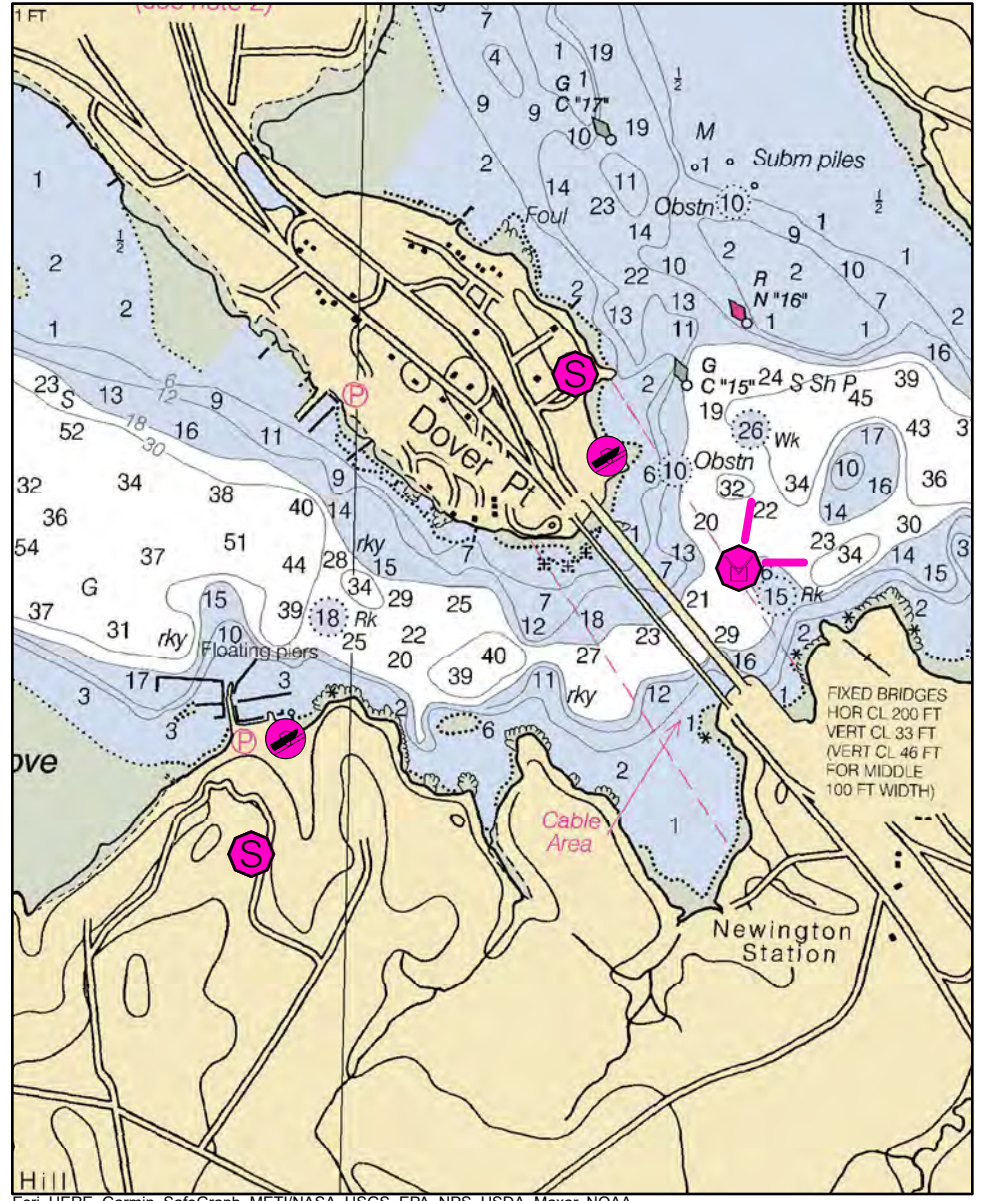
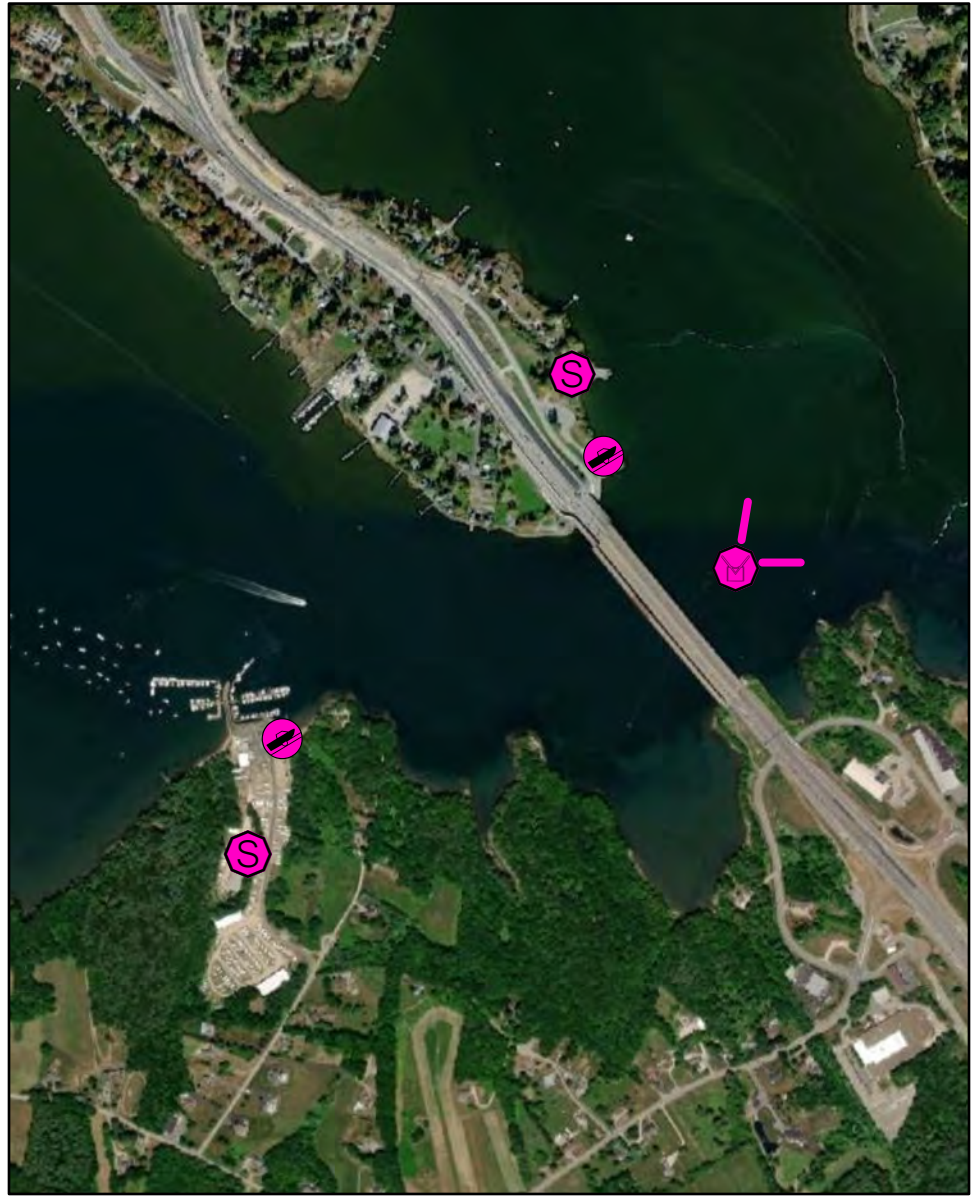
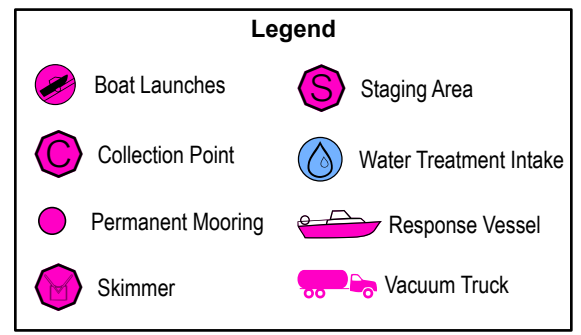
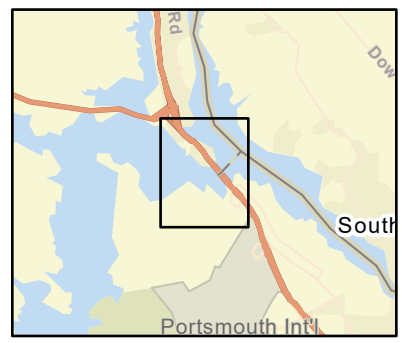
A-12-1

Dover Point

Dover, NH



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

Town	Newington, NH	Port Region	New Hampshire and Southern Maine
Latitude	43° 07.005 N	Longitude	70° 48.641 W
Approx. Tidal Range (feet)	9	NOAA Chart #	13285_1
Max Current (knots)	Flood 2.6	ESI Map #	55B
	Ebb 2.9	EVI Map #	2
Source	NOAA current data	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.

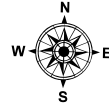
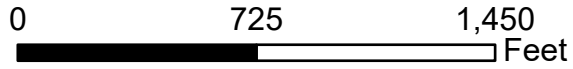
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Last Field Visit: 6/19/2003

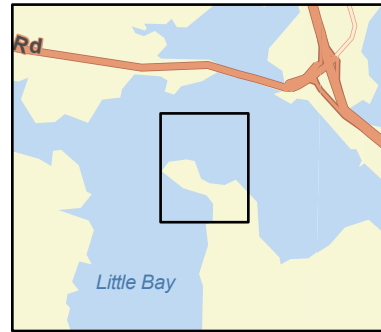
Last Field Test: 5/23/2002

A-13-1

Hen Island Newington, NH

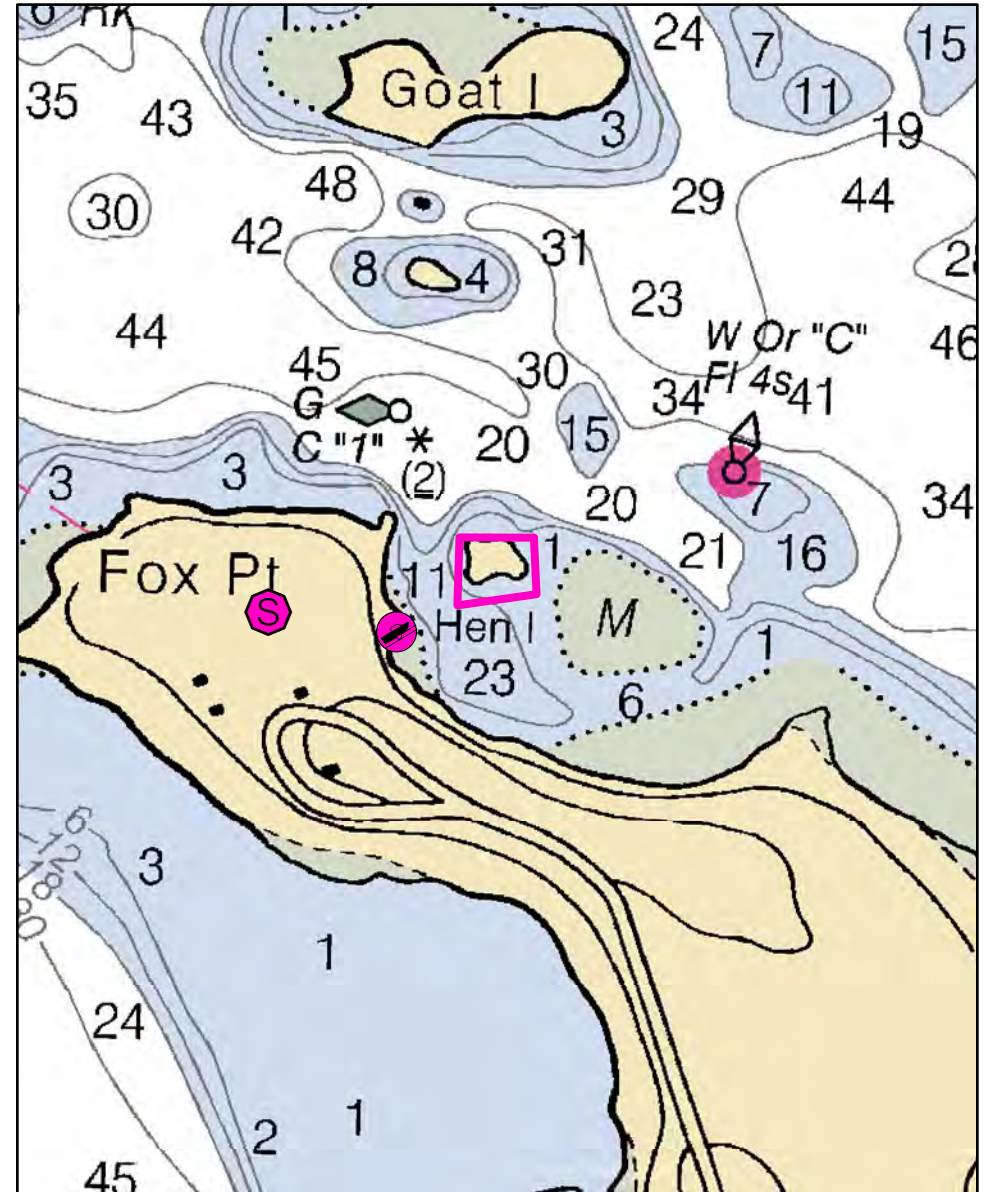


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Legend

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



A-13-1 Hen Island

Town	Newington, NH	Port Region	New Hampshire and Southern Maine
Latitude	43° 07.272' N	Longitude	70° 51.253' W
Approx. Tidal Range (feet)	9	NOAA Chart #	13285_1
Max Current (knots)	Flood	ESI Map #	55B
Source	Estimated	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

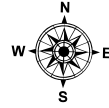
Last Field Visit: 7/1/2003

Last Field Test: 8/19/2004

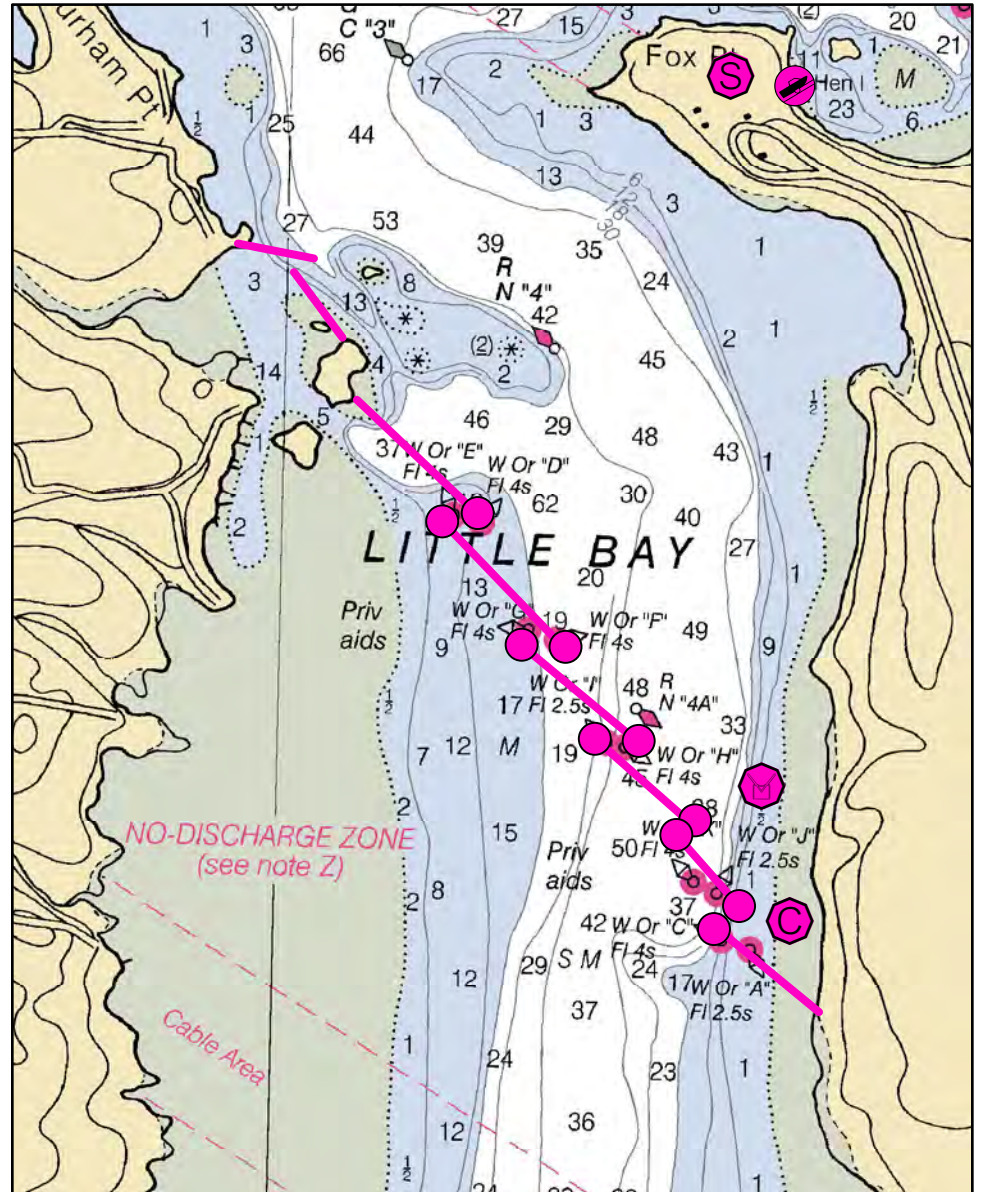
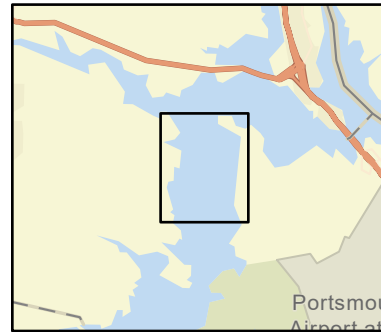
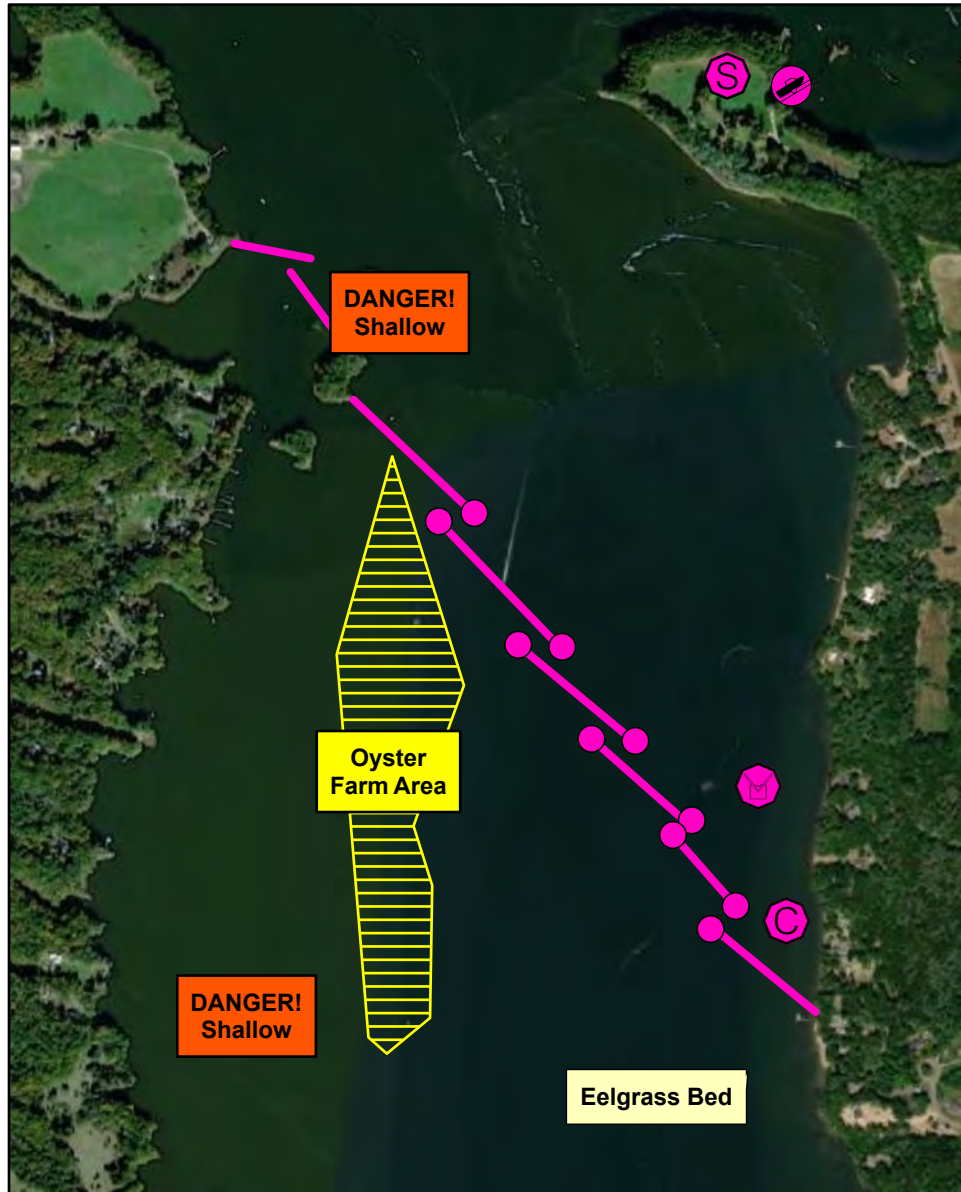
A-13-2

Little Bay: Great Bay Protection Option 1 Newington / Durham, NH

0 1,000 2,000
Feet



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

Town	Newington, NH	Port Region	New Hampshire and Southern Maine
Latitude	43 6.691' N	Longitude	70 51.657' W
Approx. Tidal Range (feet)	9	NOAA Chart #	13285_1
Max Current (knots)	Flood	ESI Map #	55B
Source	Ebb	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.

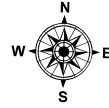
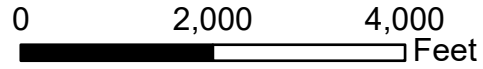
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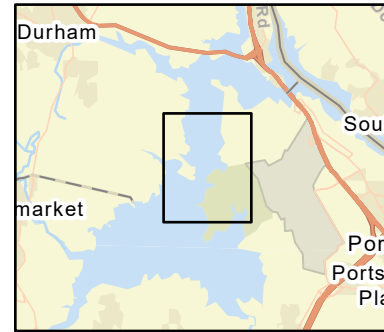
Last Field Test: 6/16/2014

A-13-3

Fuirber Strait: Great Bay Protection Option 2 Newington / Durham, NH

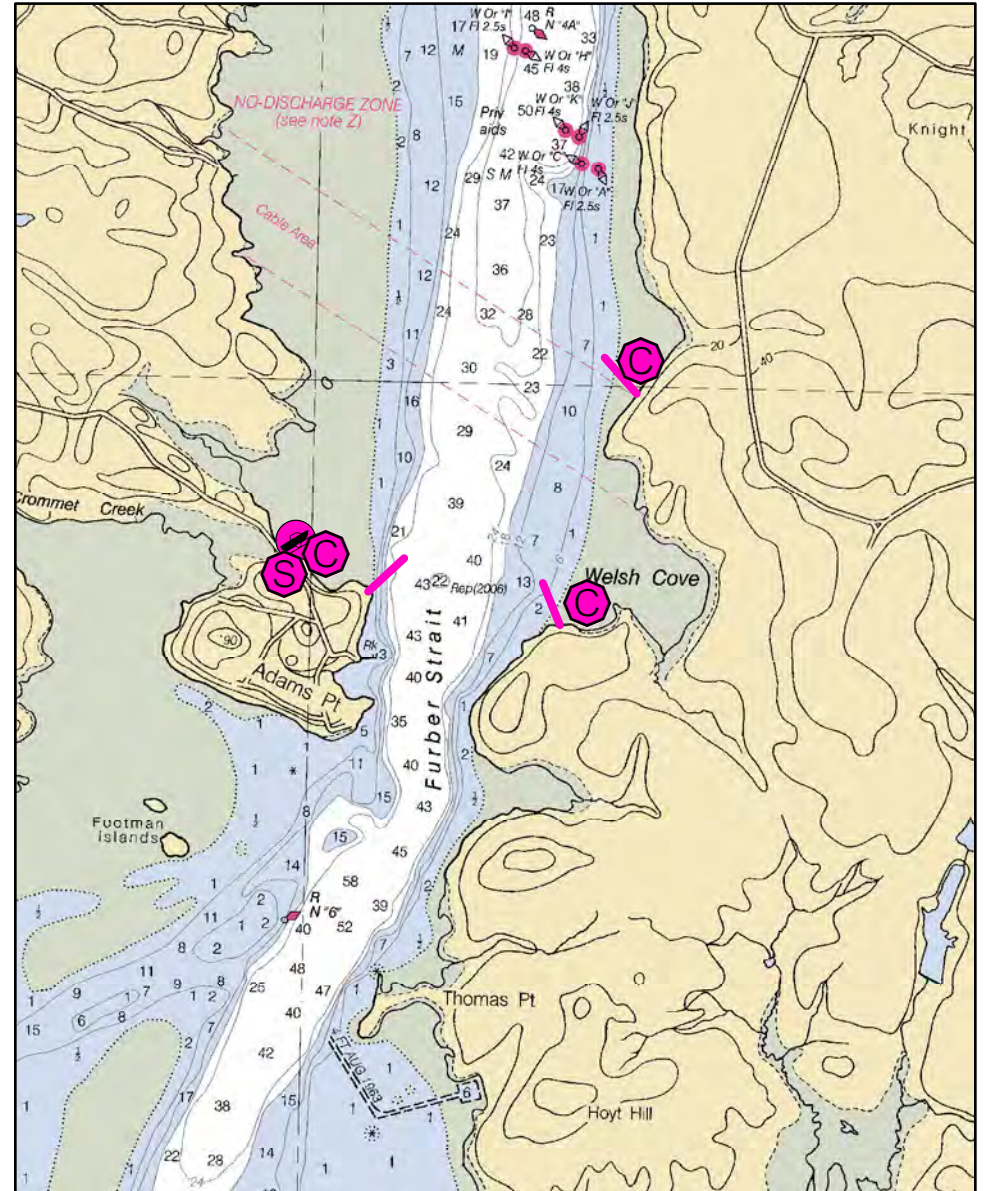


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Legend

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



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

Town	Newington / Durham, NH	Port Region	New Hampshire and Southern Maine
Latitude	43° 5.843' N	Longitude	70° 51.631' W
Approx. Tidal Range (feet)	9	NOAA Chart #	13285_1
Max Current (knots)	Flood	ESI Map #	55B
Source	Ebb	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

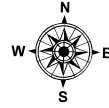
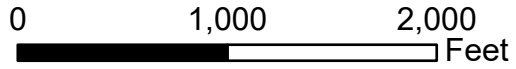
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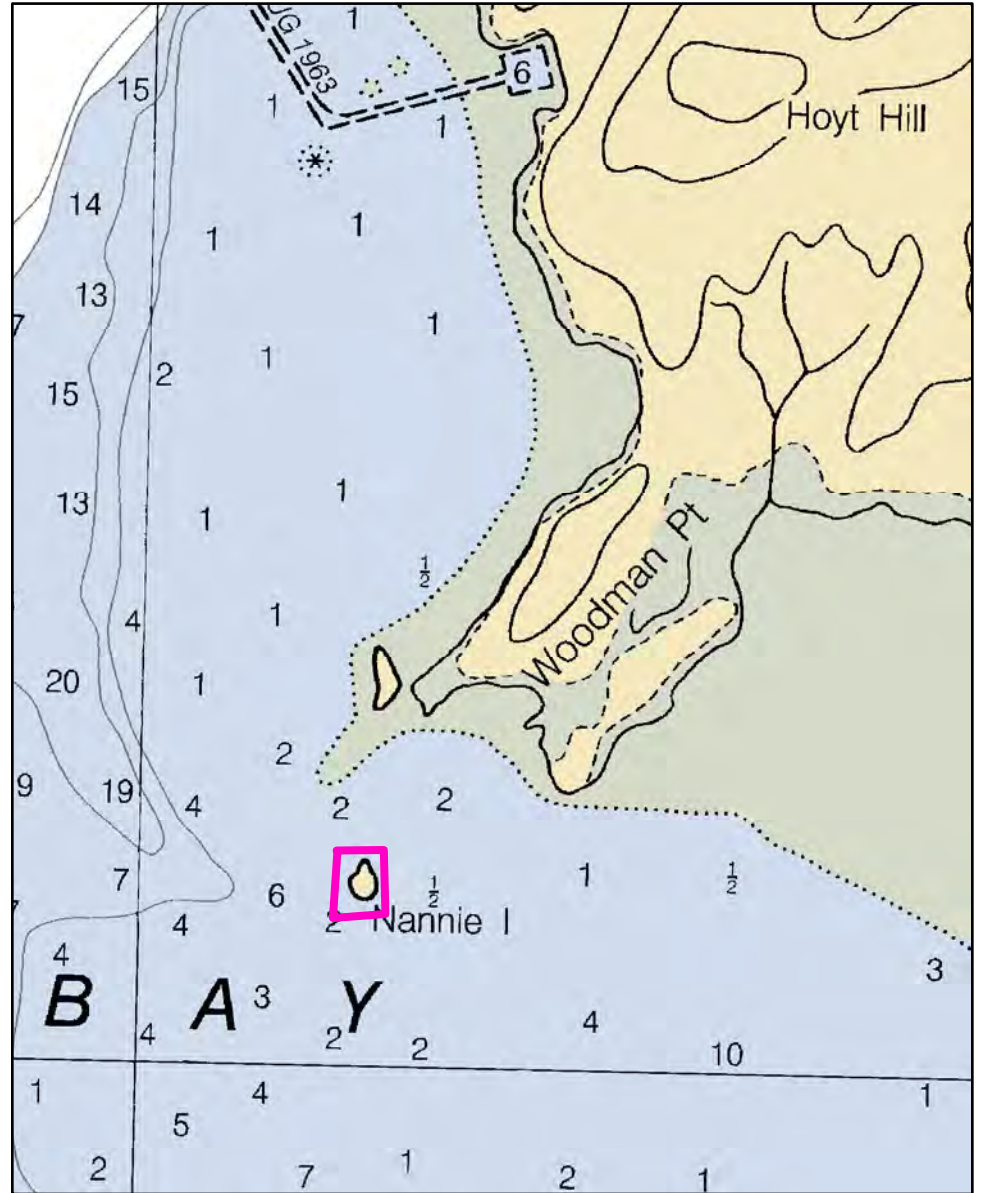
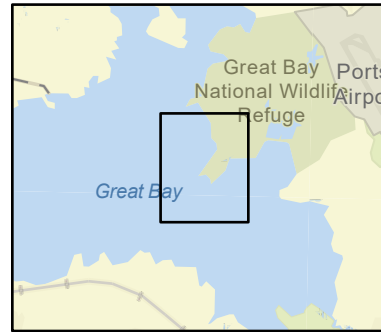
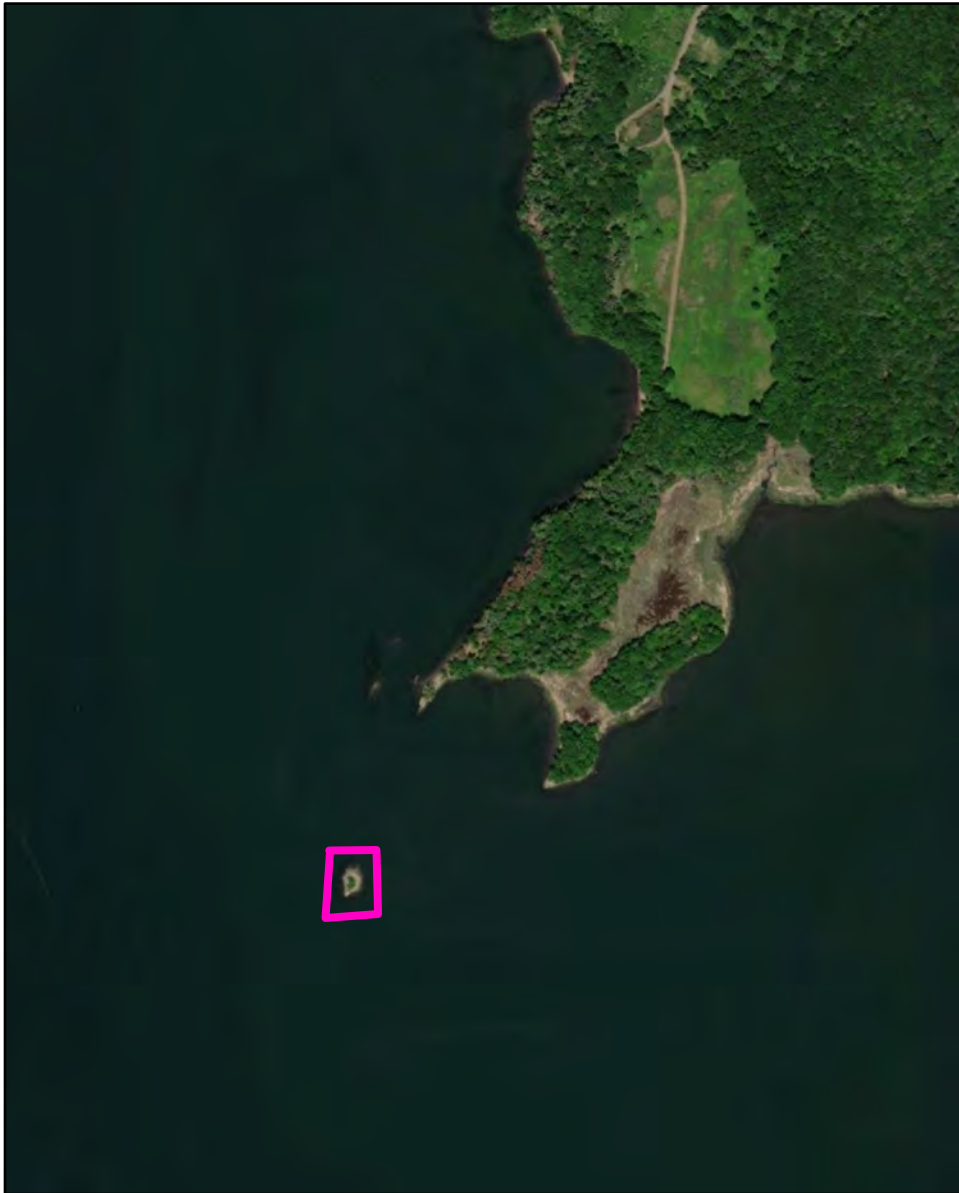
A-14-1

Nannie Island

Newington, NH



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A-14-1 Nannie Island

Town	Newington, NH	Port Region	New Hampshire and Southern Maine
Latitude	43° 04.136 N	Longitude	70° 51.761 W
Approx. Tidal Range (feet)	9	NOAA Chart #	13285_1
Max Current (knots)	Flood	ESI Map #	55B
Source	Ebb	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

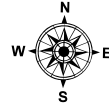
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Last Field Test: 9/19/2006

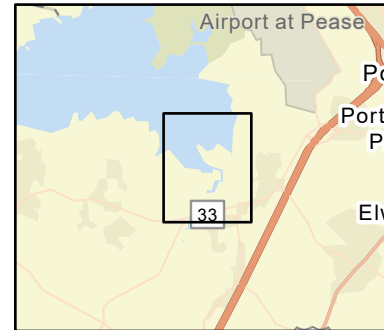
A-15-1

Winnicut River Greenland, NH

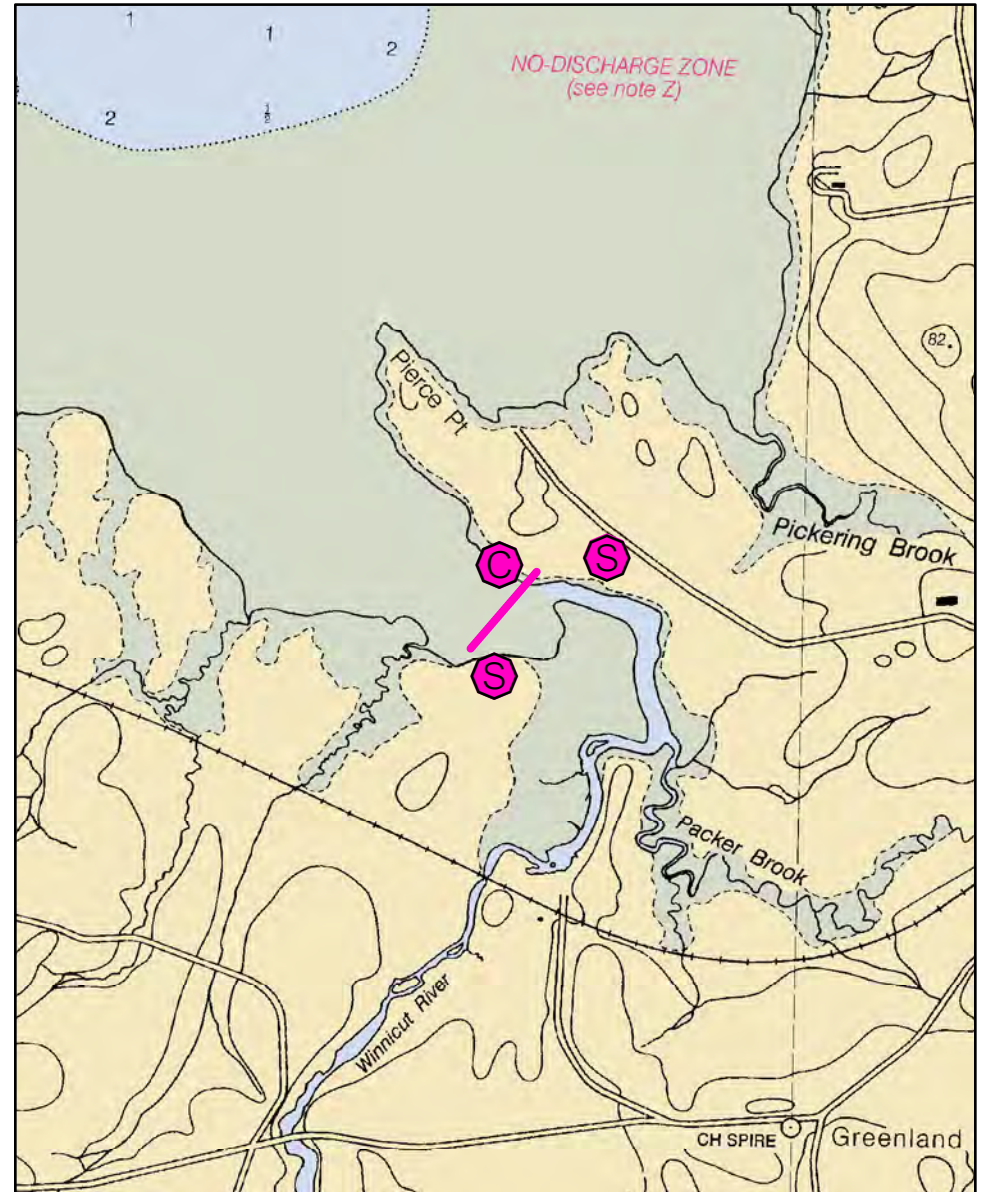
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Legend			
	Boat Launches		Staging Area
	Collection Point		Water Treatment Intake
	Permanent Mooring		Response Vessel
	Skimmer		Vacuum Truck



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.

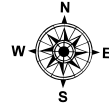
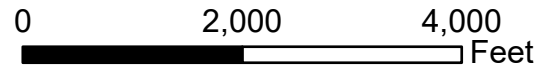
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Last Field Visit: 7/1/2003

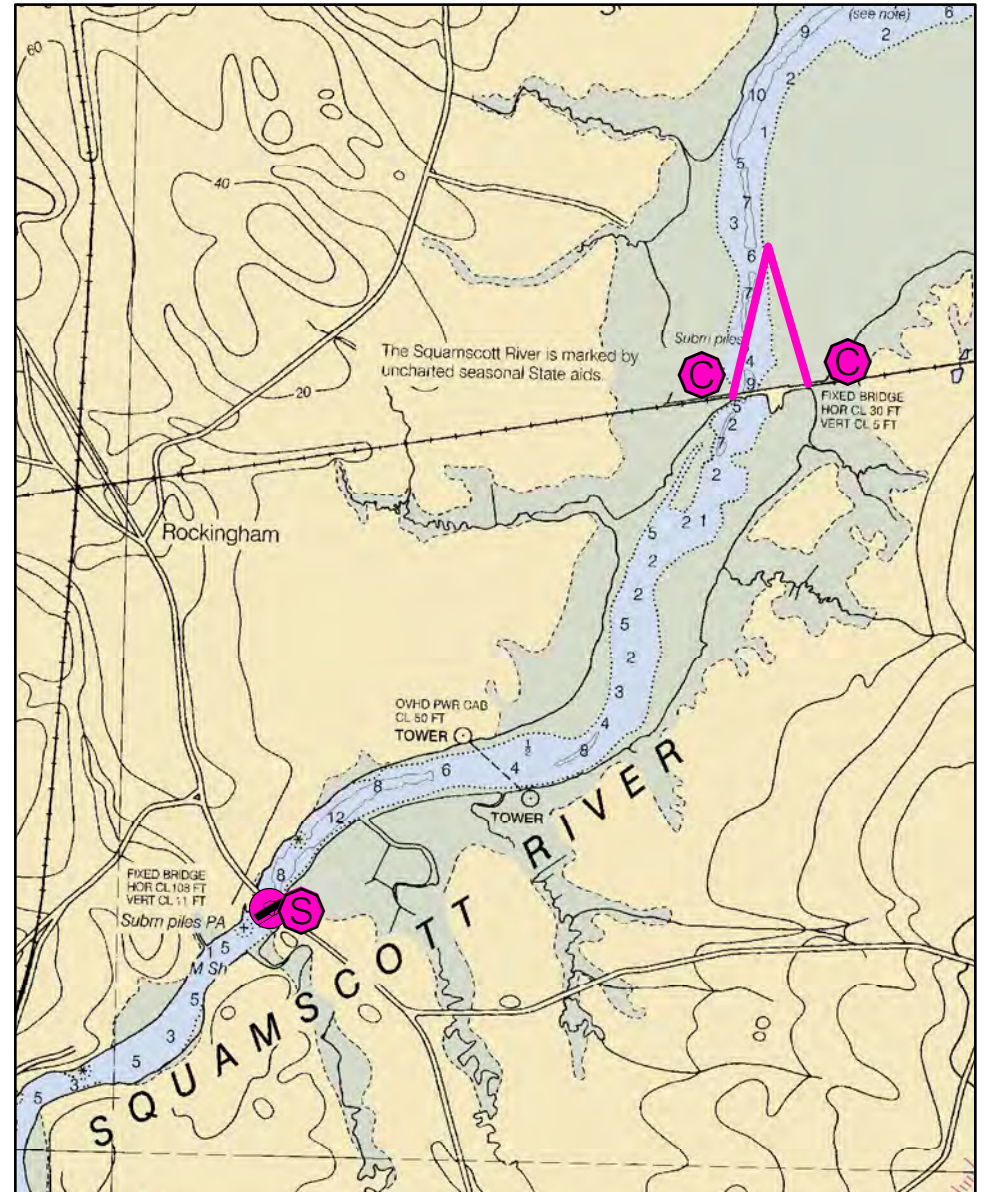
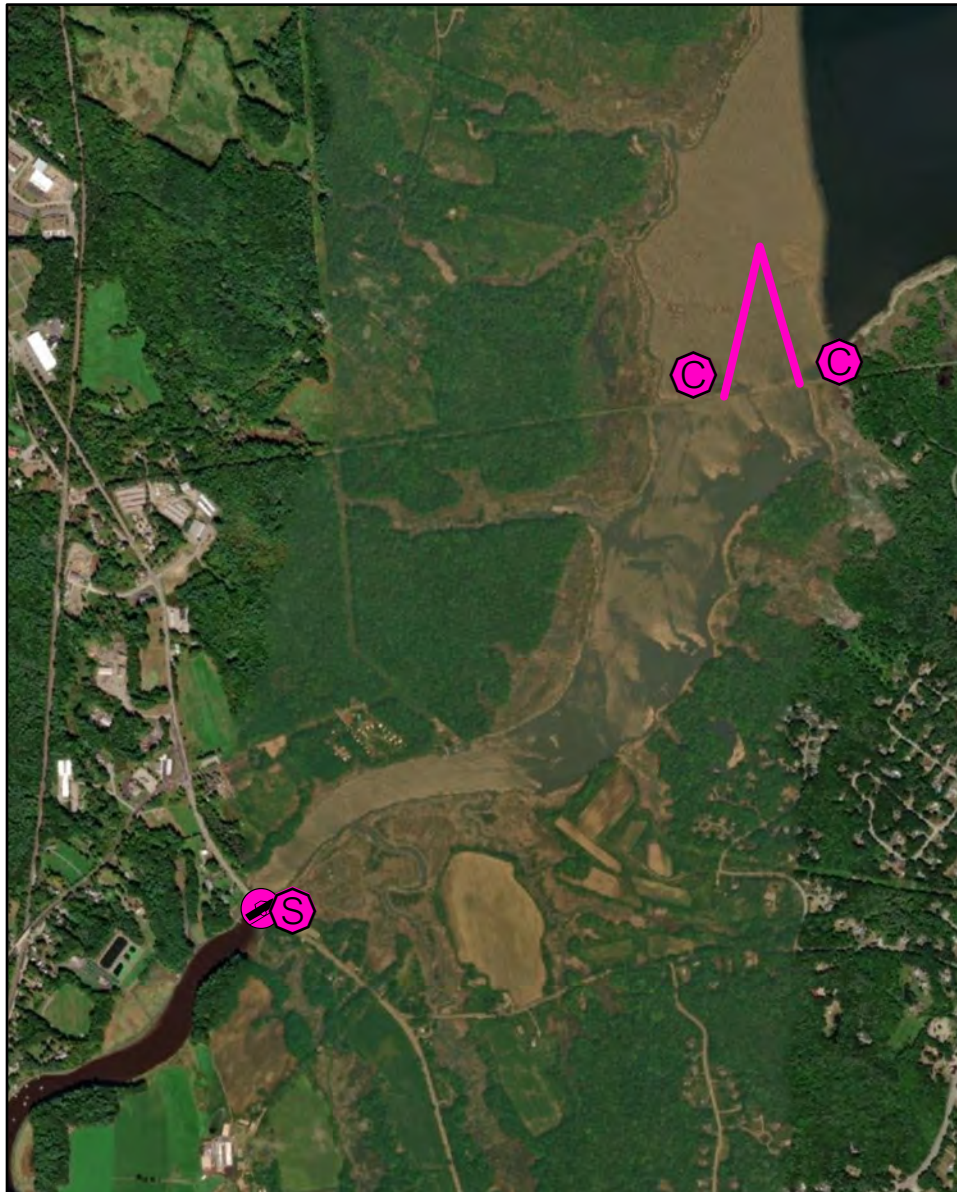
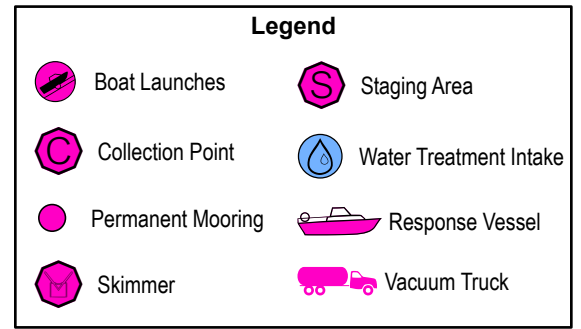
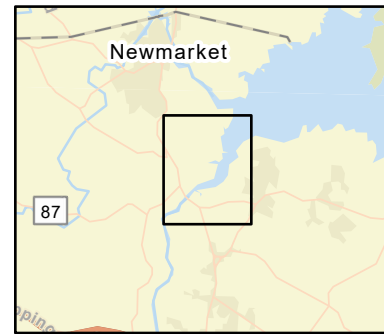
Last Field Test:

A-16-1

Squamscott River Stratham, NH



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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.

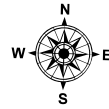
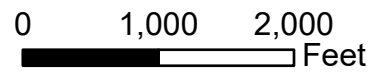
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Last Field Visit 7/1/2003

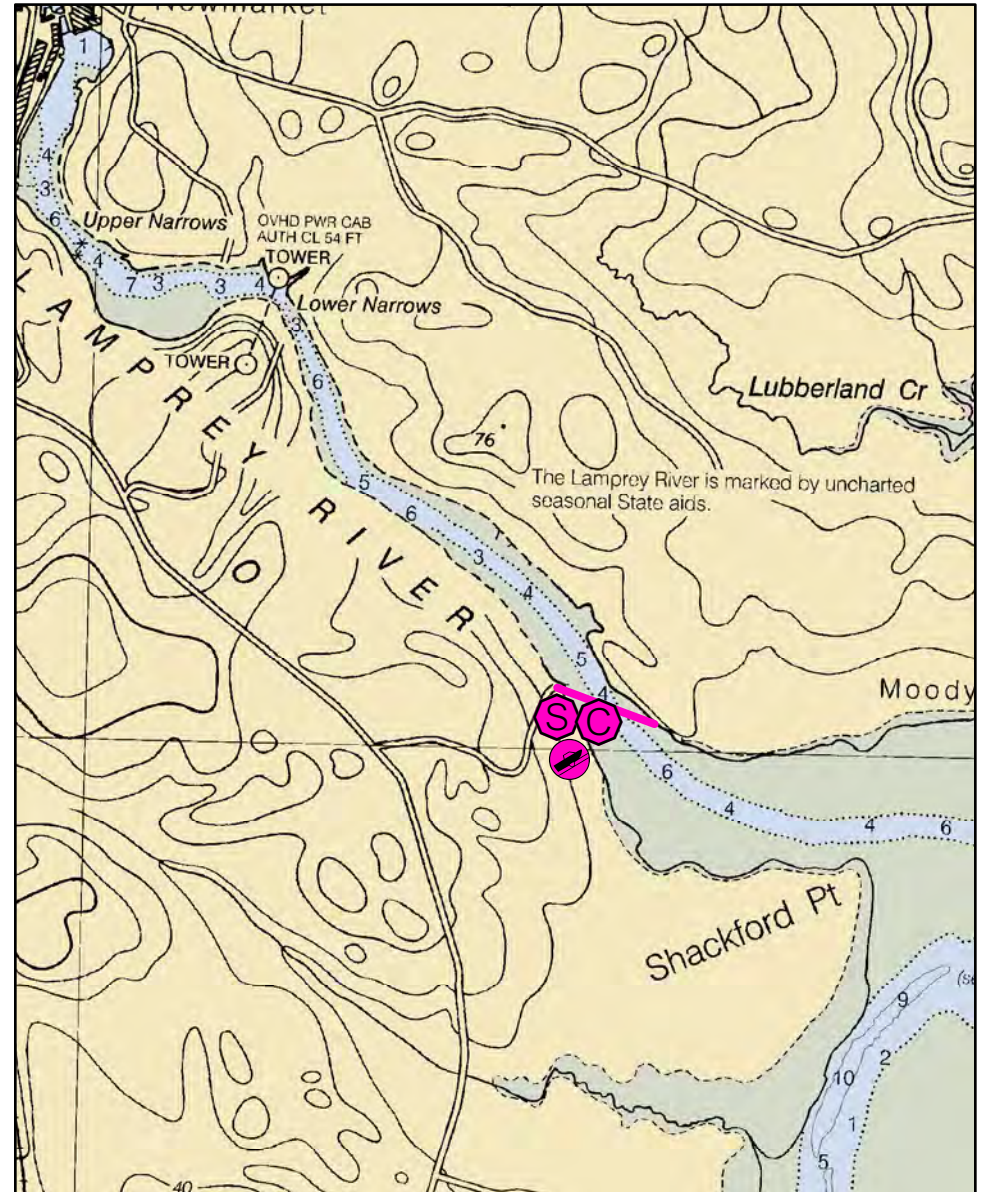
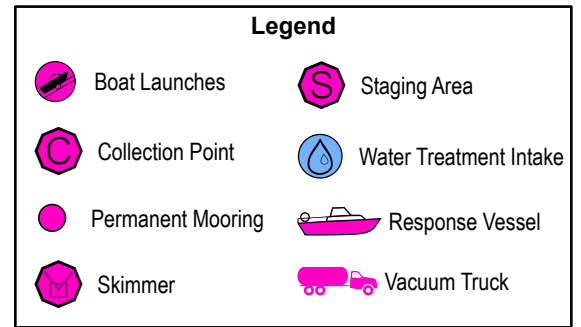
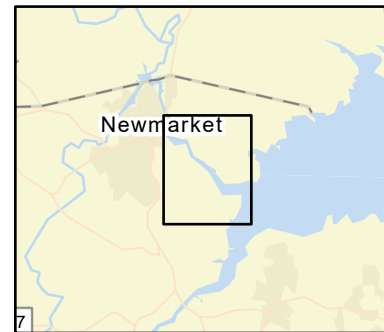
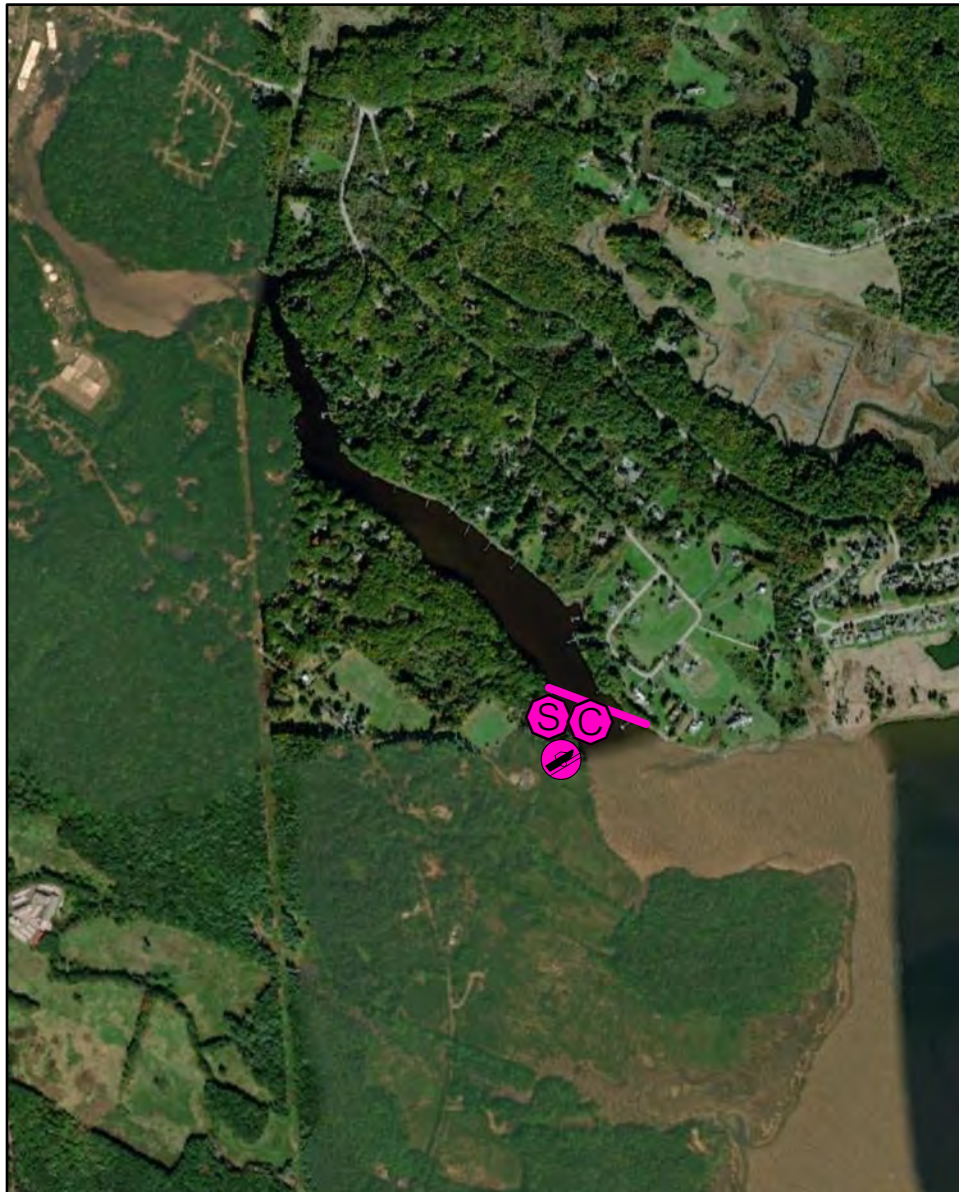
Last Field Test:

A-17-1

Lamprey River Newmarket, NH



Date printed: 9/10/2022 7:49 PM



A-17-1 Lamprey River

Town	Newmarket, NH	Port Region	New Hampshire and Southern Maine
Latitude	43° 03.919' N	Longitude	70° 54.524' W
Approx. Tidal Range (feet)	9	NOAA Chart #	13285_1
Max Current (knots)	Flood	ESI Map #	55C, 57B, 57A
	Ebb 0.92	EVI Map #	N/A
Source	Measured	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

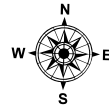
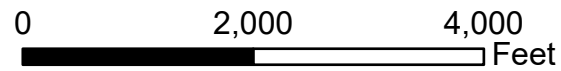
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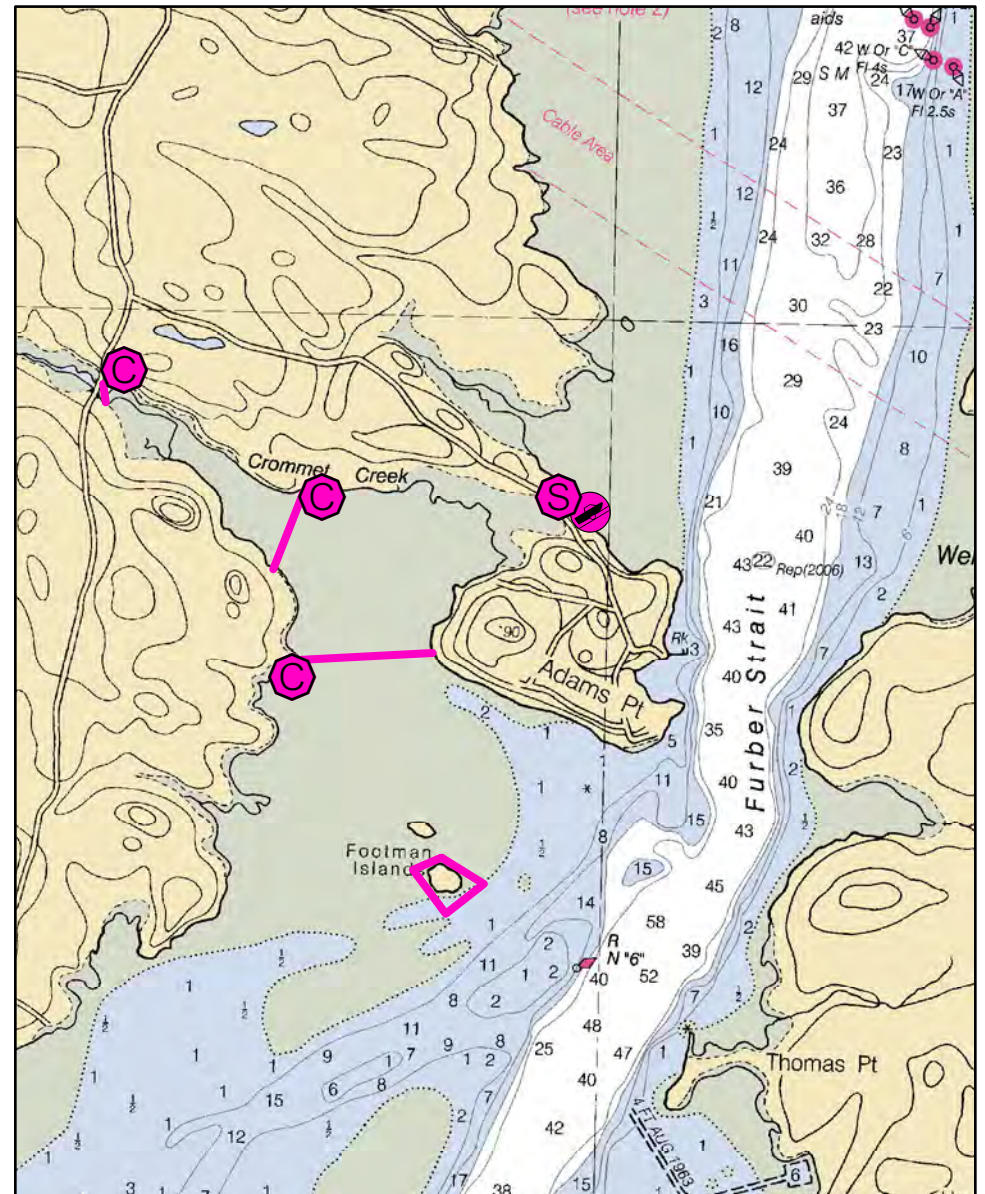
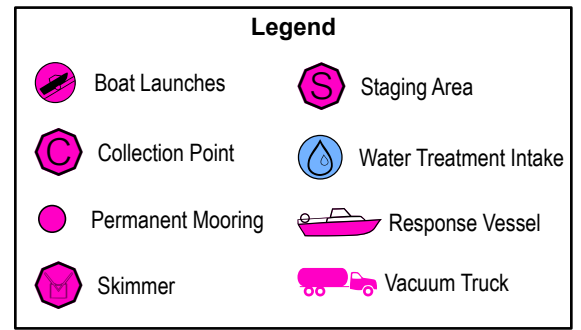
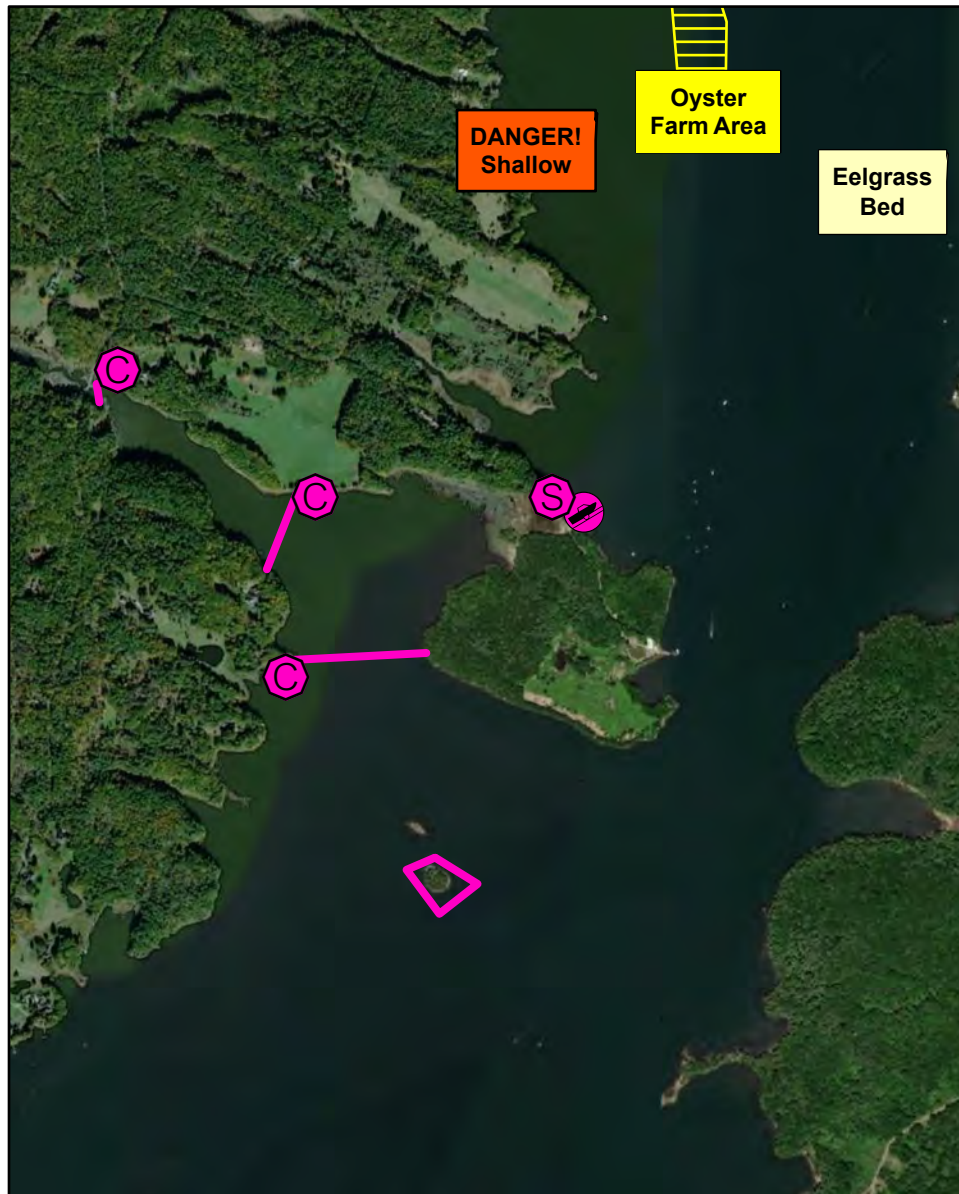
A-18-1

Crommet Creek and Footman Islands

Durham, NH



Date printed: 9/10/2022 7:49 PM



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.

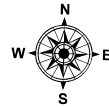
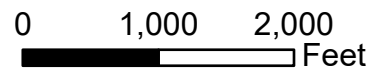
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Last Field Visit 7/1/2003

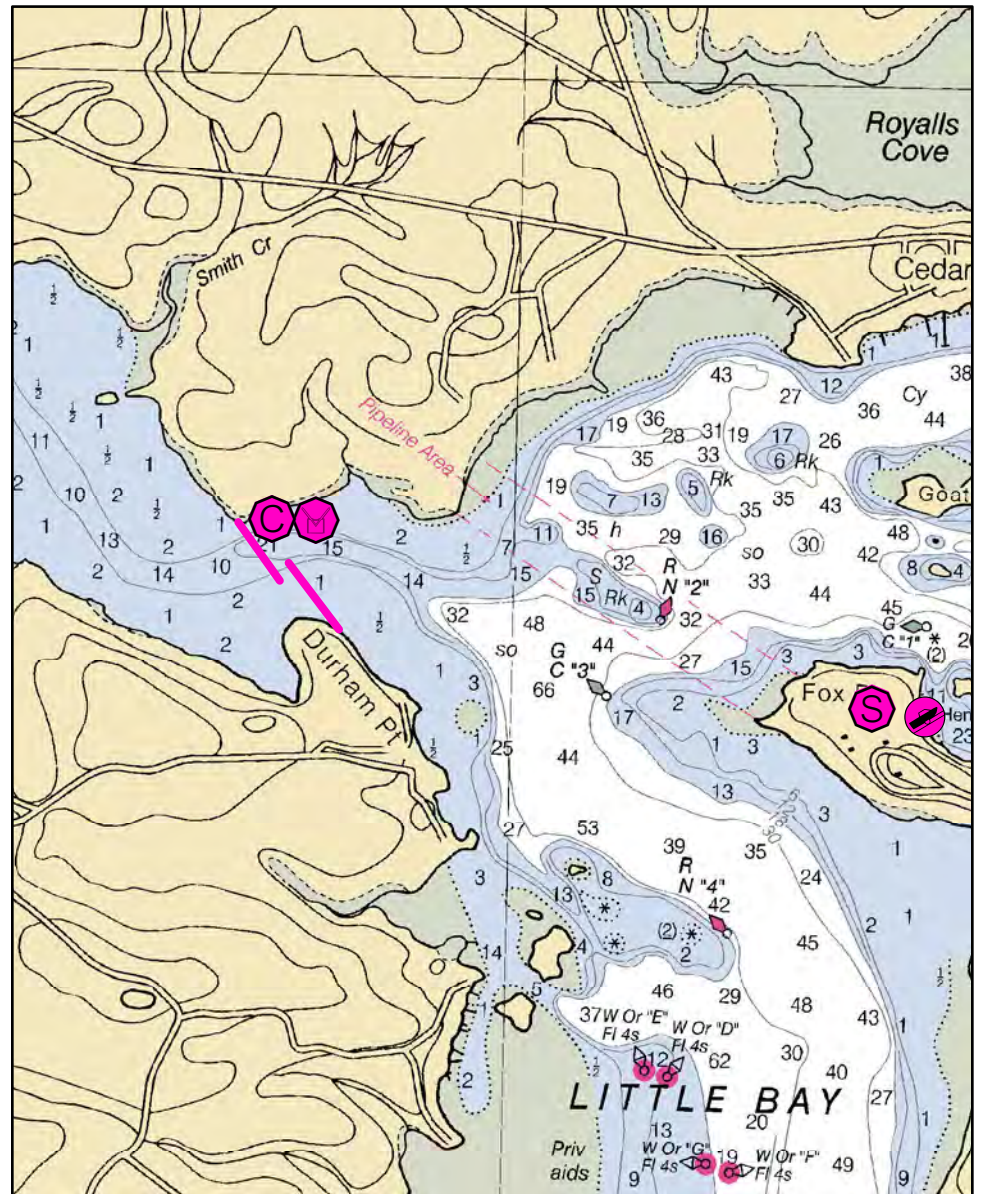
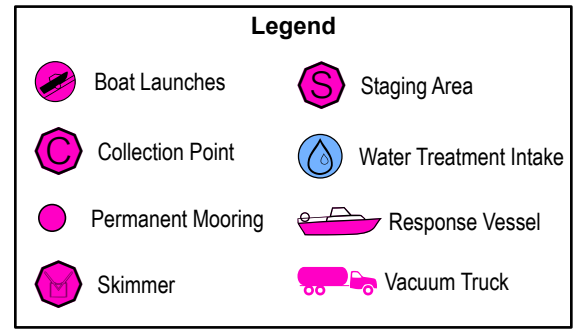
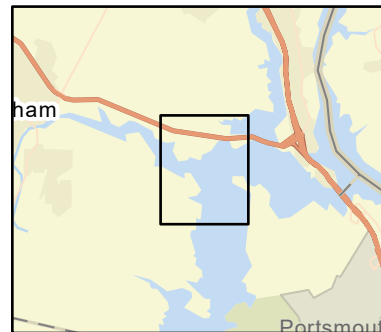
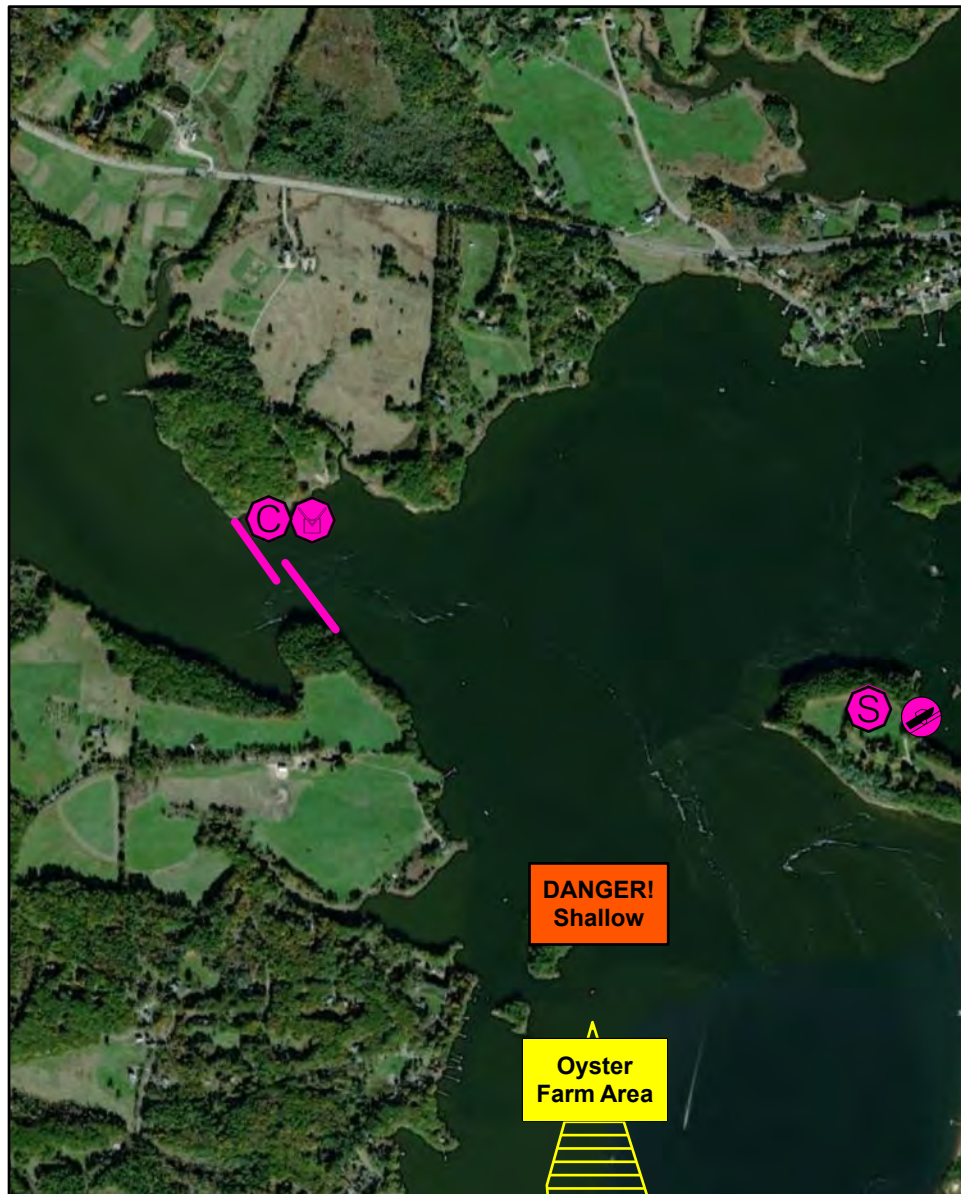
Last Field Test: 10/10/2006

A-19-1

Oyster River Durham, NH



Date printed: 9/10/2022 7:49 PM



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.

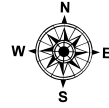
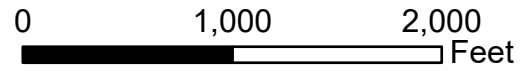
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Last Field Visit: 5/23/2006

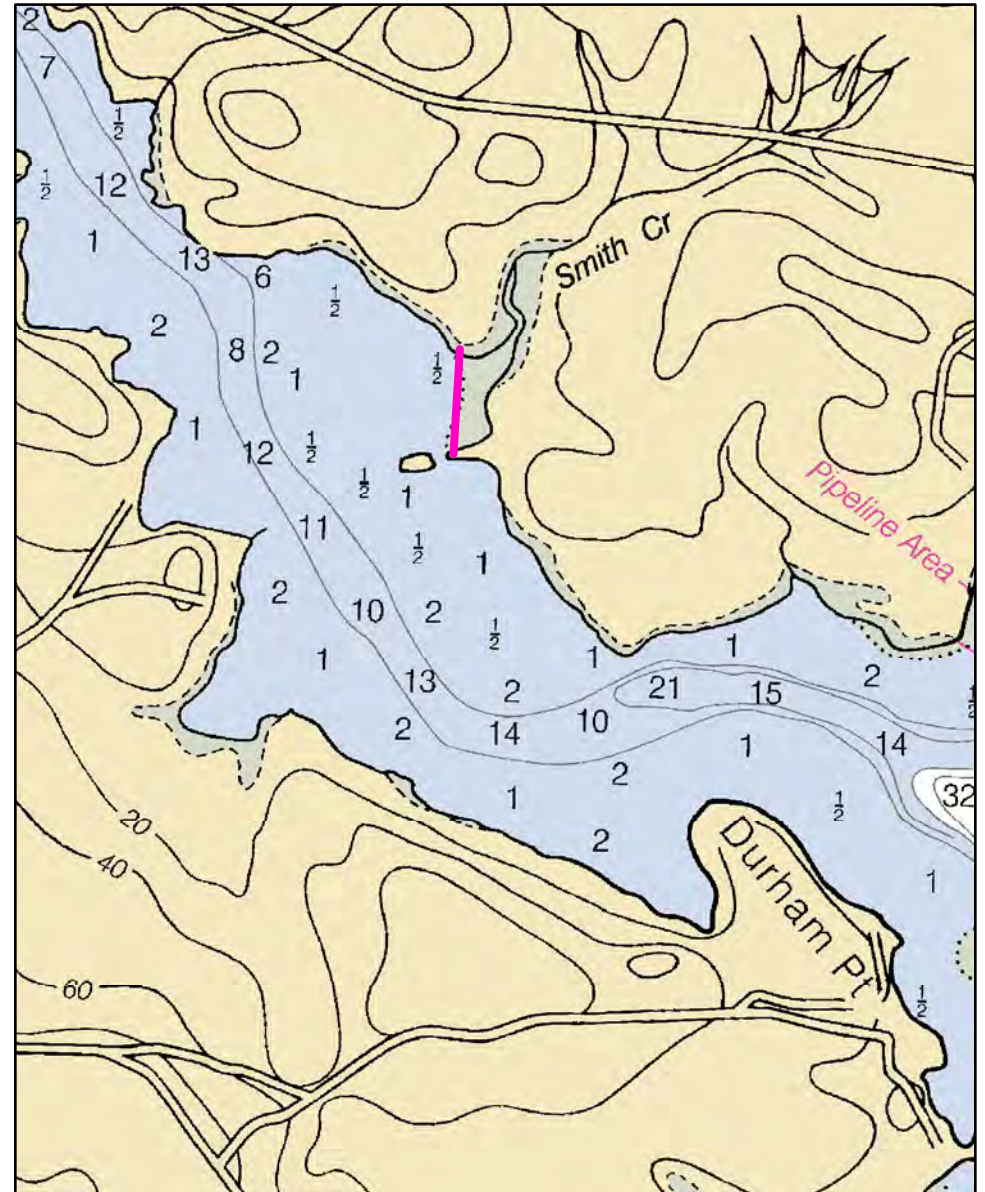
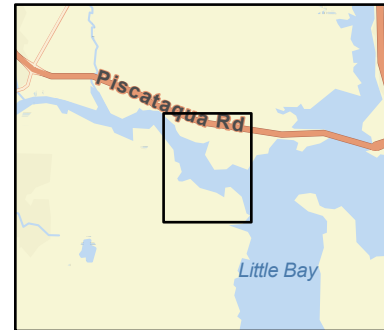
Last Field Test: 5/23/2006

A-19-2

Smith Creek on Oyster River Durham, NH



Date printed: 9/10/2022 7:49 PM



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.

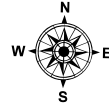
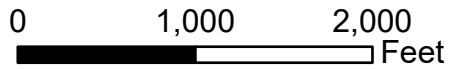
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Last Field Visit: 8/23/2005

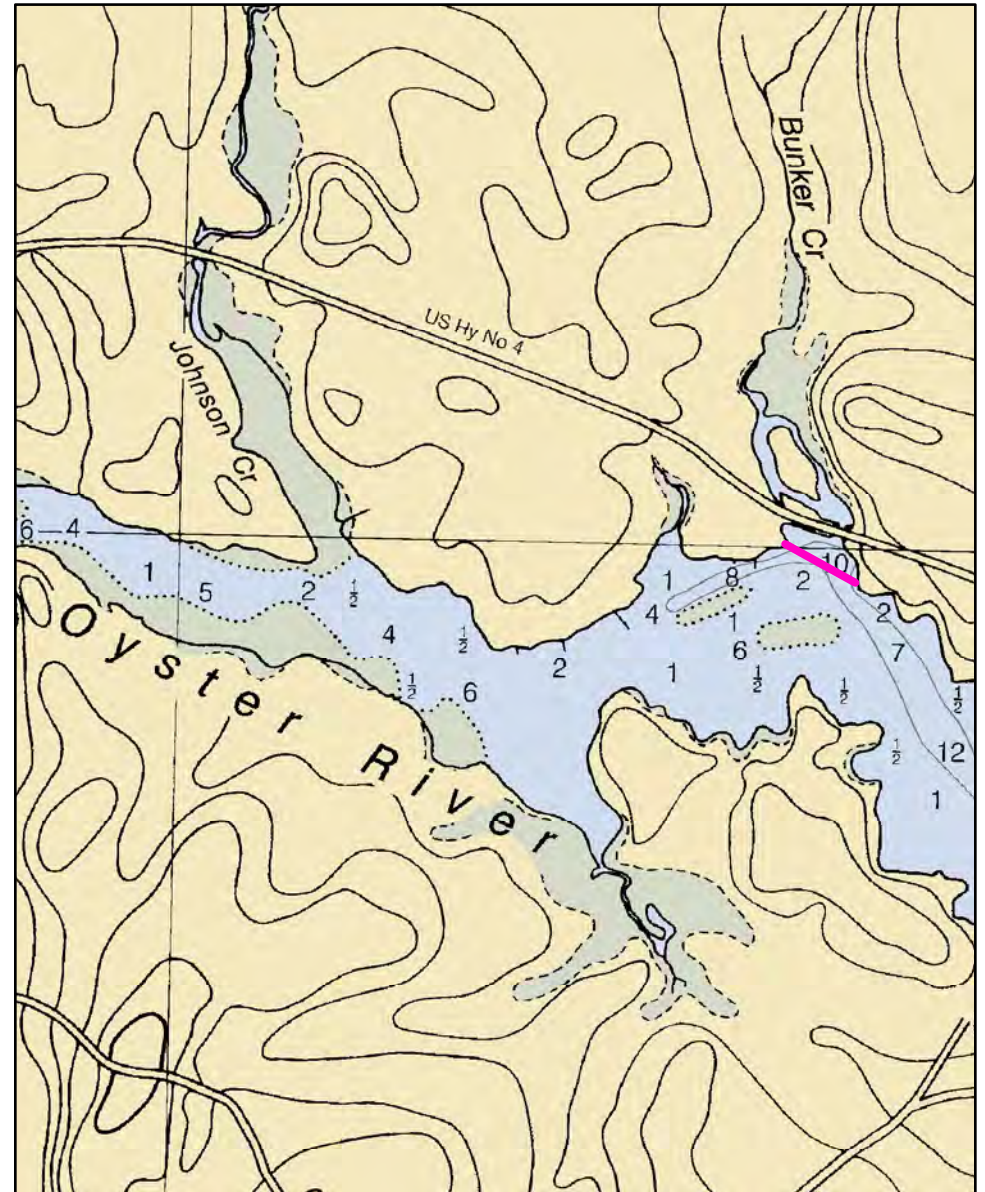
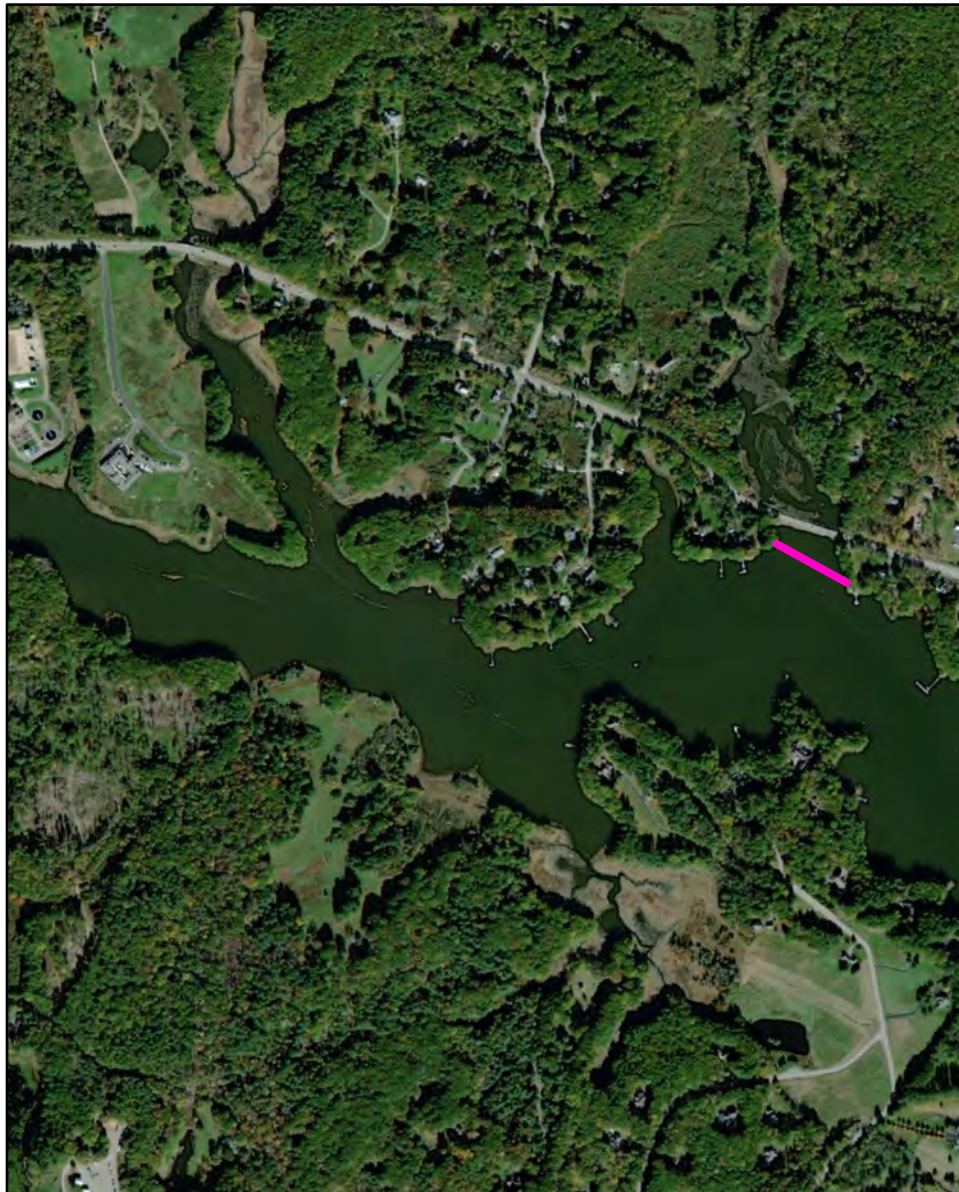
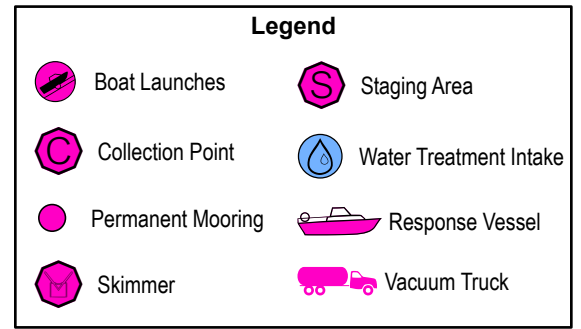
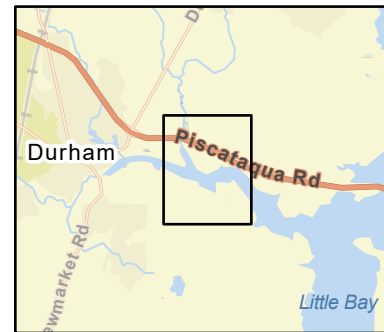
Last Field Test: 8/23/2005

A-19-3

Bunker Creek on Oyster River Durham, NH



Date printed: 9/10/2022 7:49 PM



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

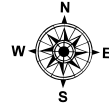
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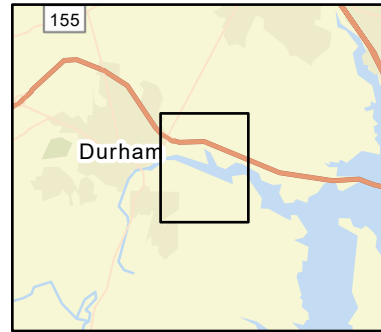
A-19-4

Johnson Creek on Oyster River Durham, NH

0 1,000 2,000
Feet

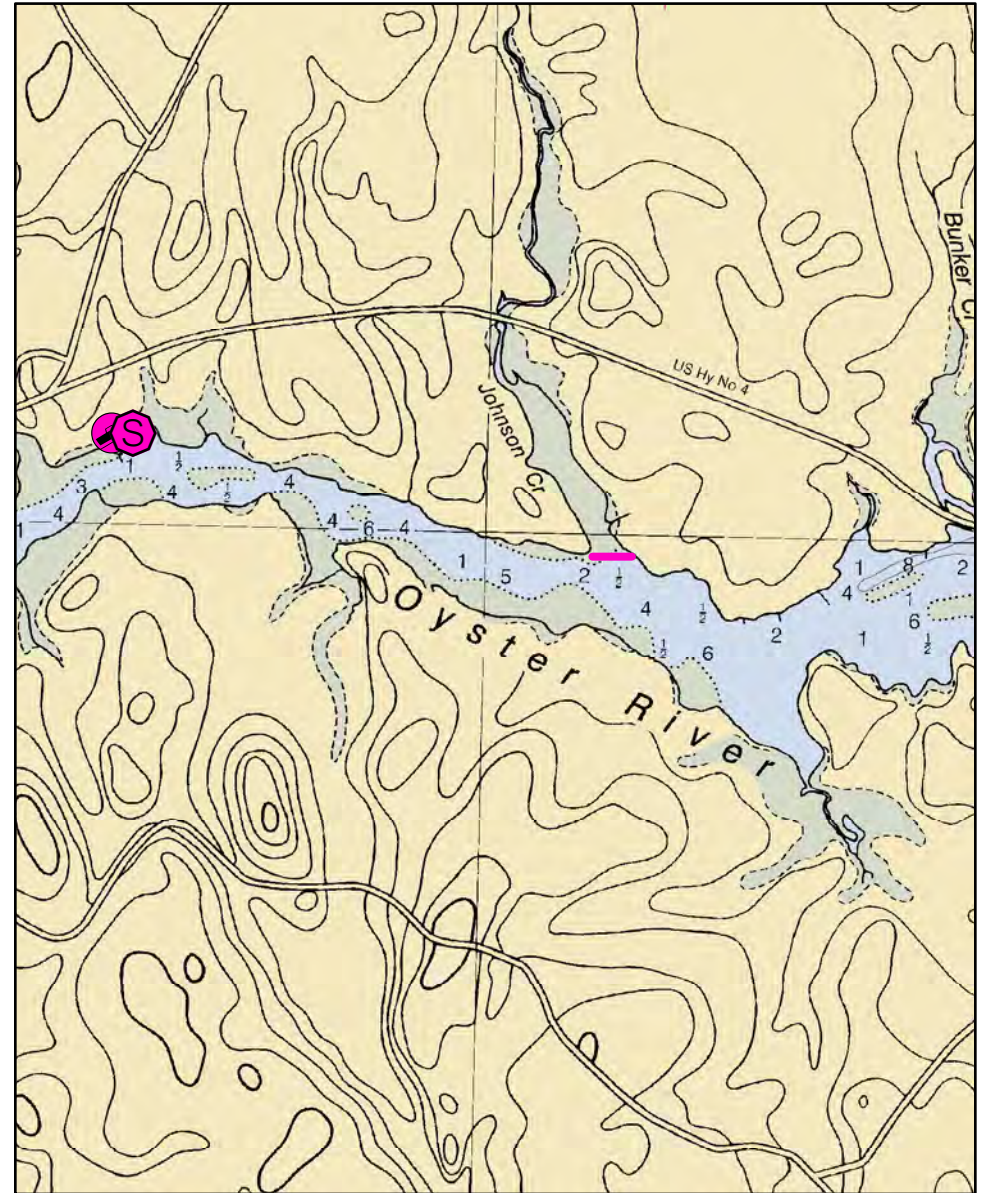


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Legend

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



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

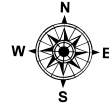
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Last Field Test: 9/1/2005

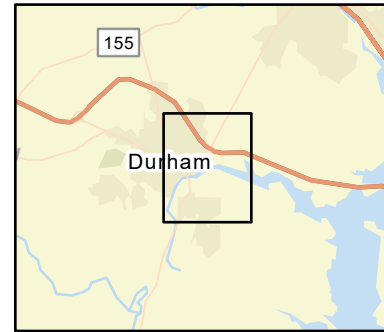
A-19-5

Beards Creek on Oyster River Durham, NH

0 1,000 2,000
Feet

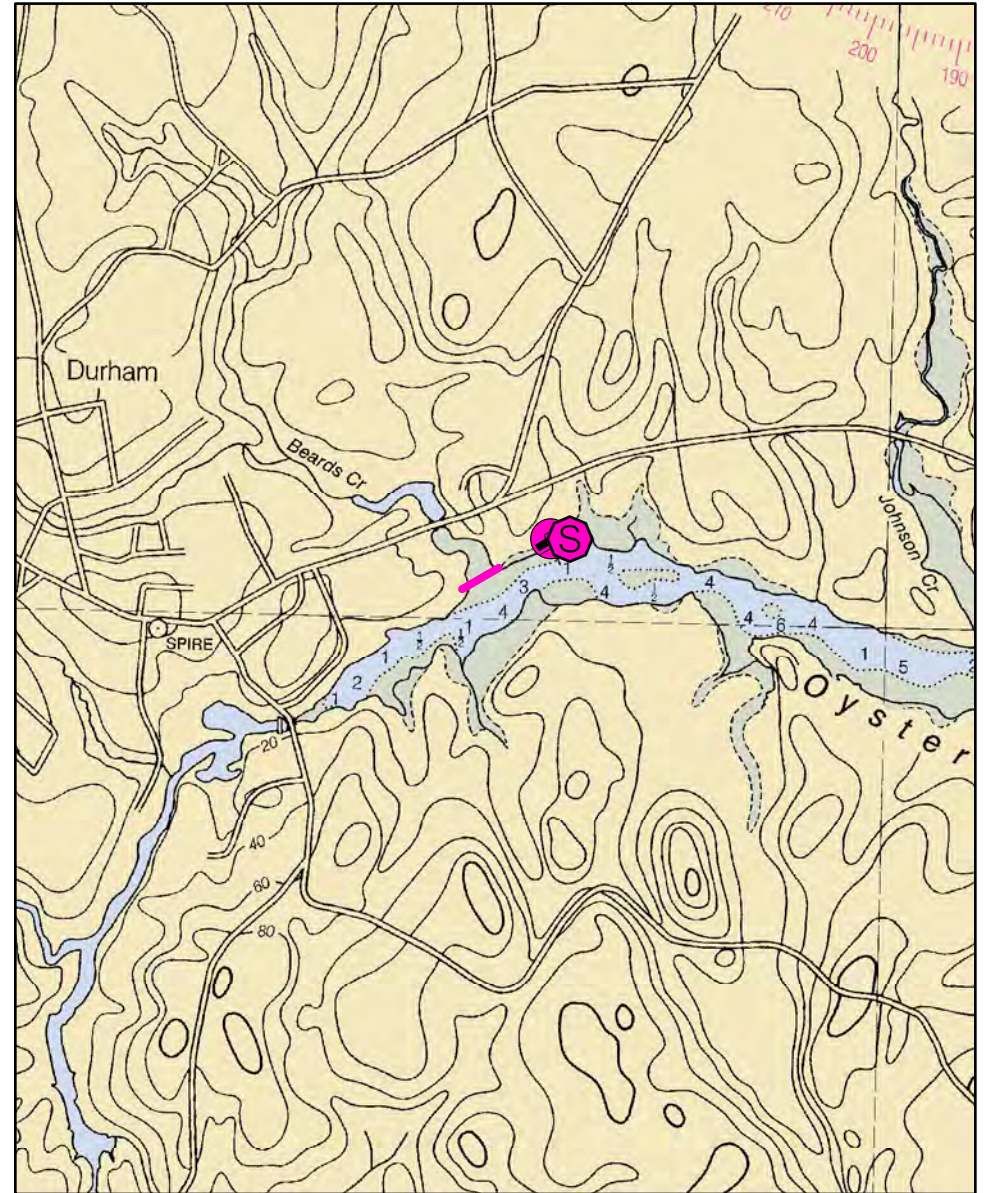


Date printed: 9/10/2022 7:49 PM



Legend

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



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.

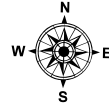
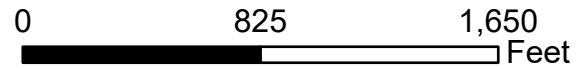
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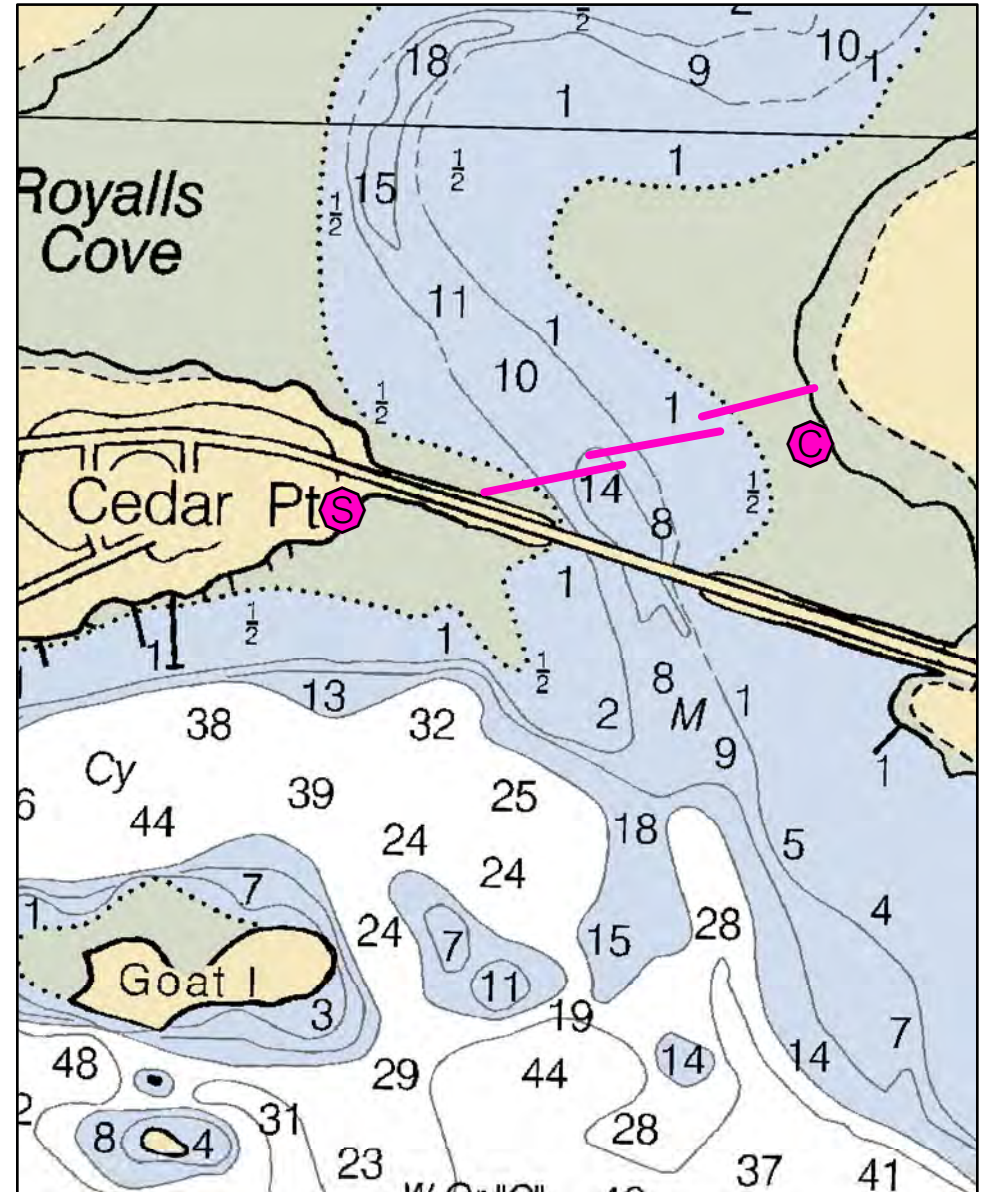
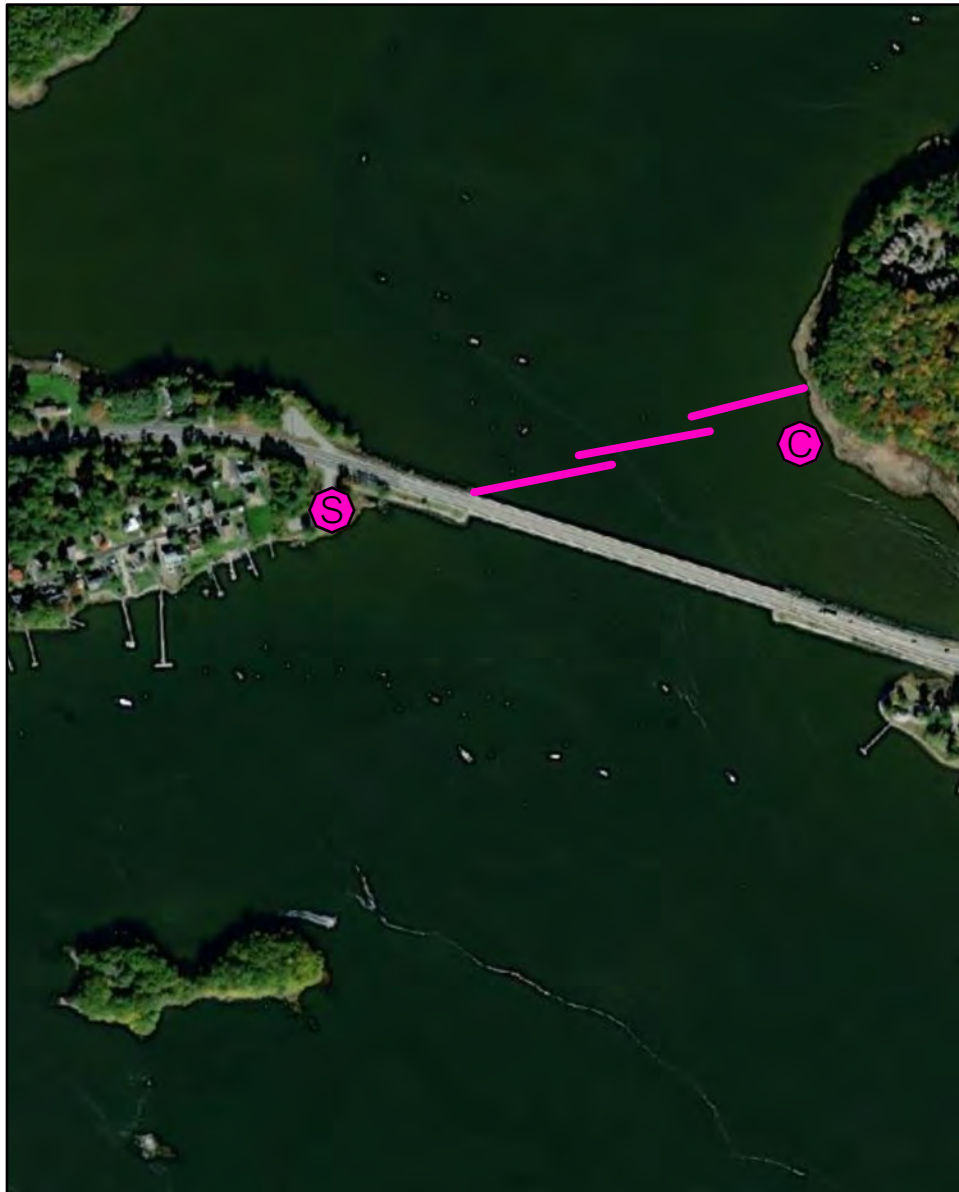
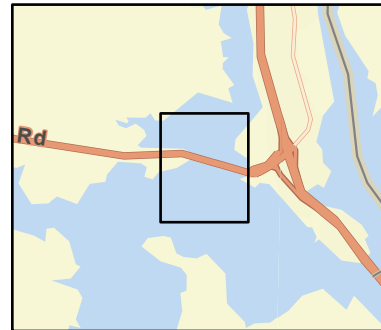
Last Field Test: 9/22/2005

A-20-1

Bellamy River Dover, NH



Date printed: 9/10/2022 7:49 PM



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.

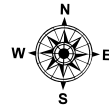
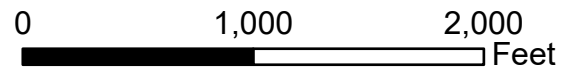
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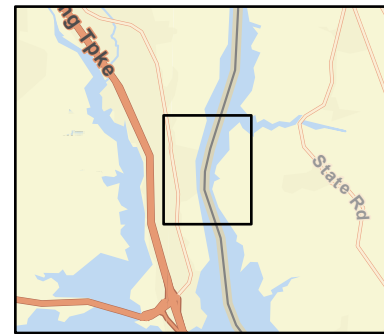
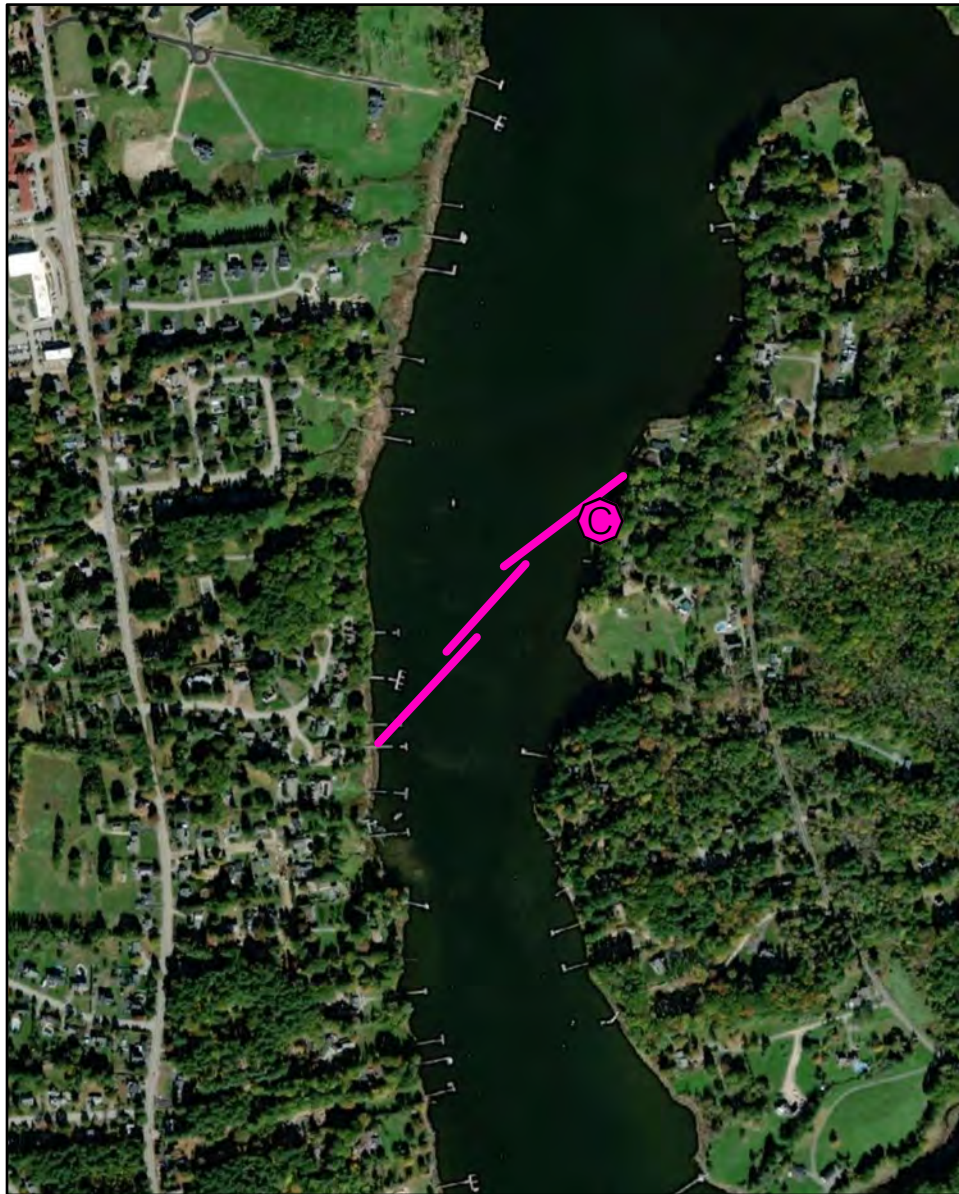
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A-21-1

Upper Piscataqua River Dover, NH / Eliot, ME

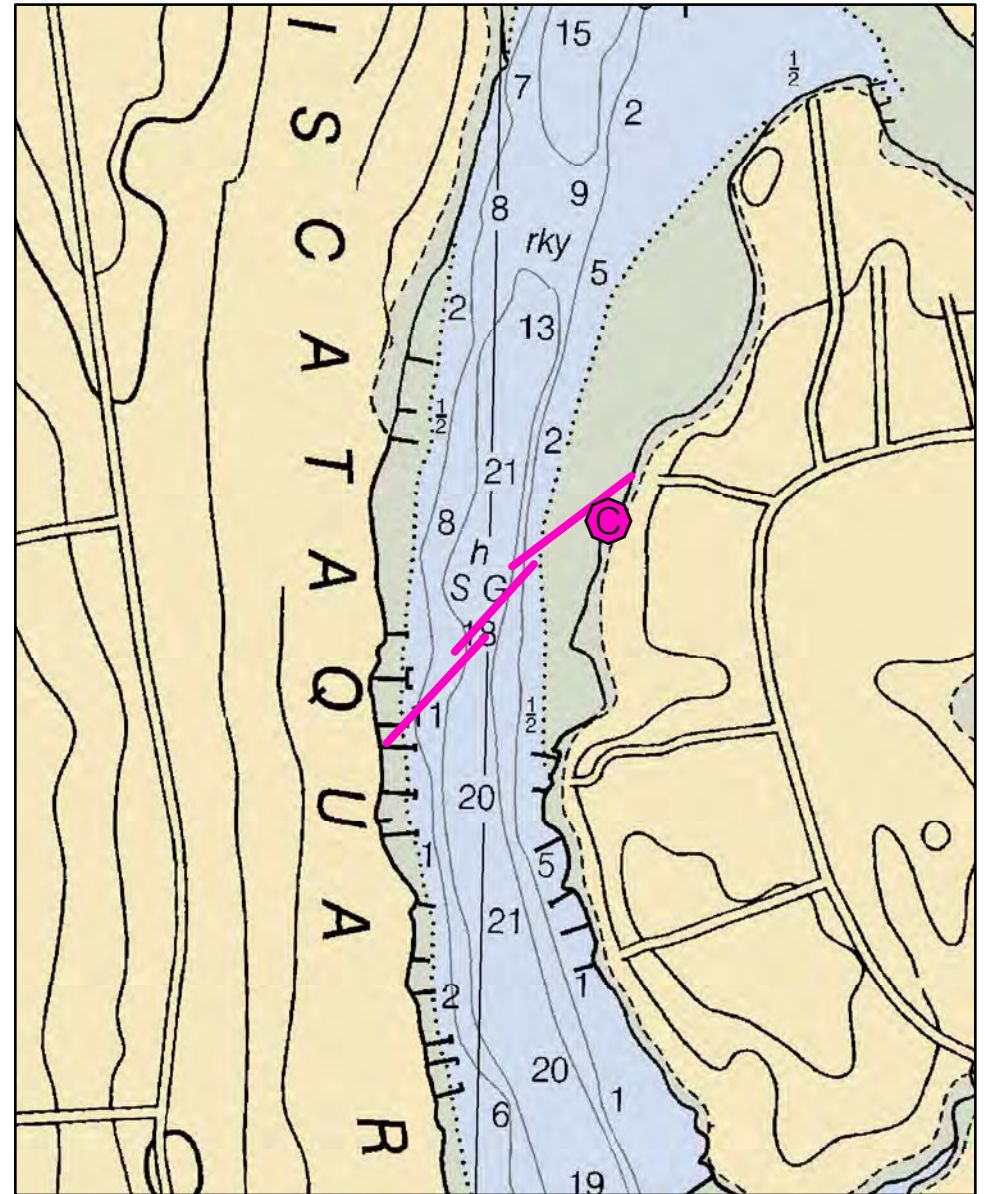


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Legend

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



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.

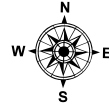
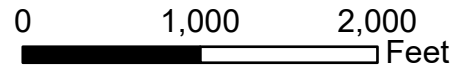
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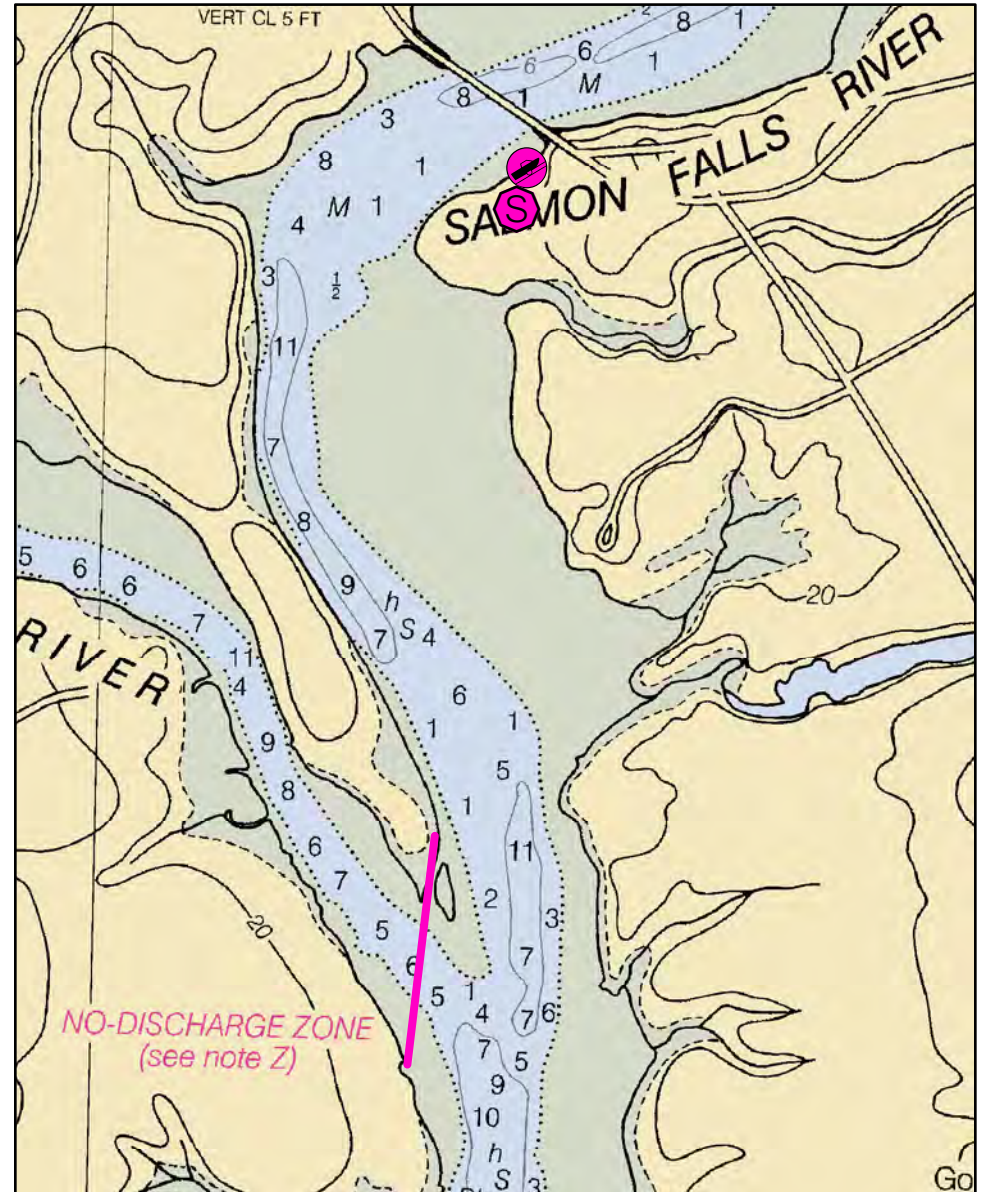
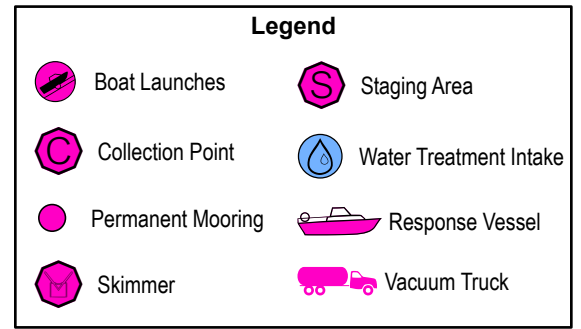
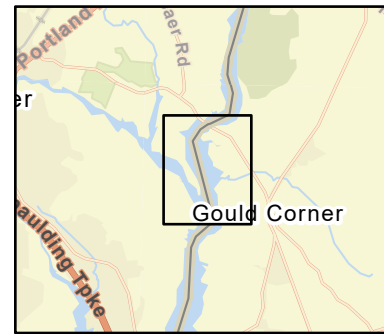
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A-22-1

Cocheco River Dover, NH



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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

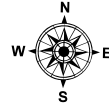
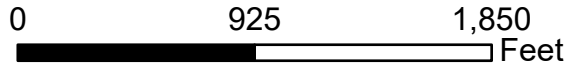
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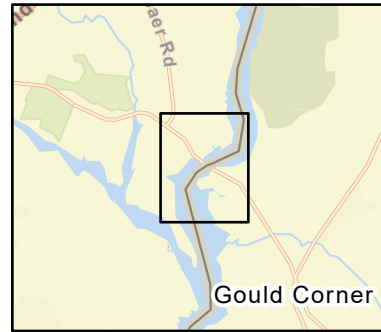
A-23-1

Salmon Falls River

Dover, NH / South Berwick, ME

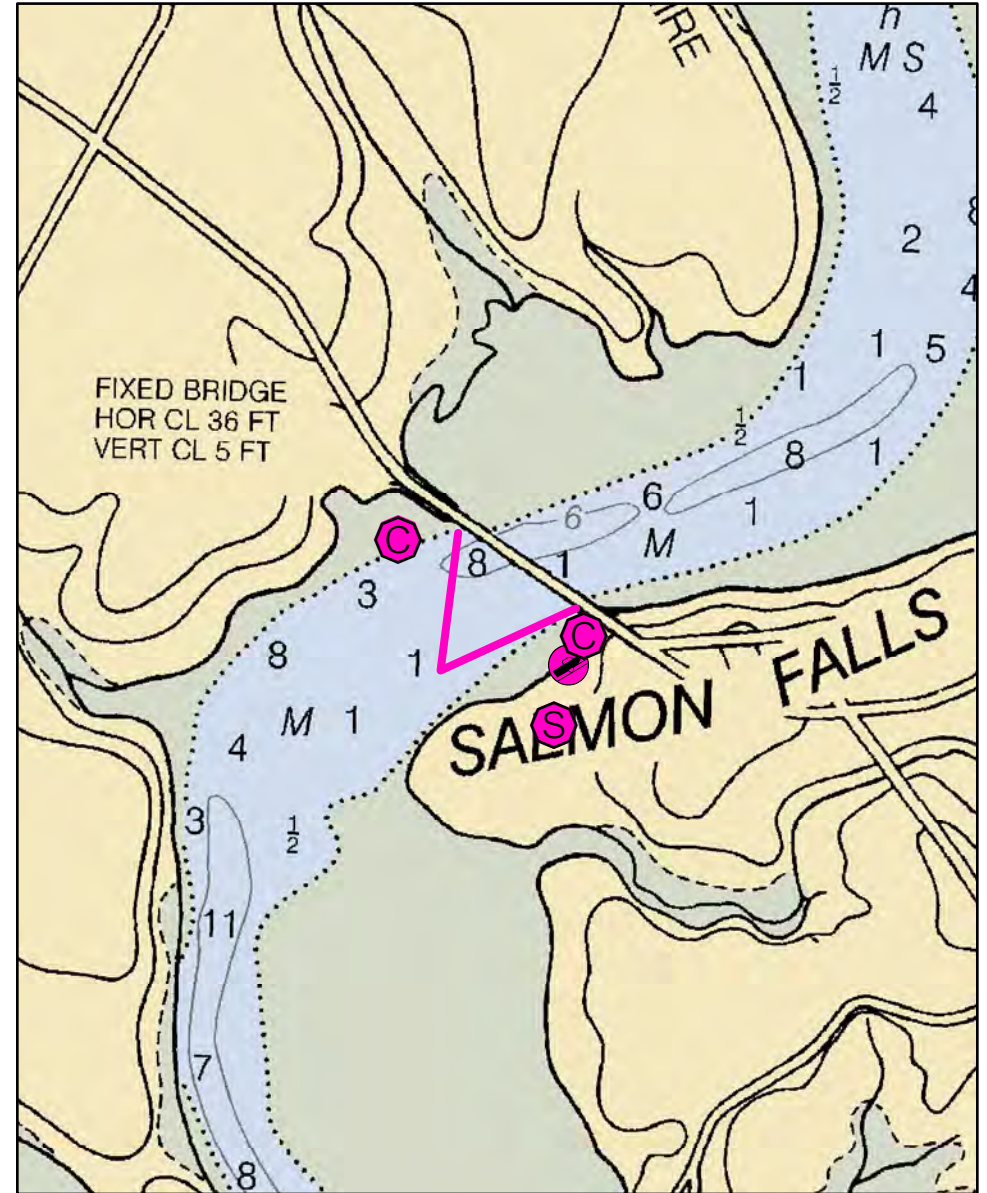


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Legend

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



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.

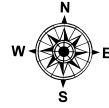
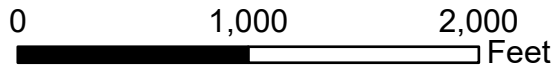
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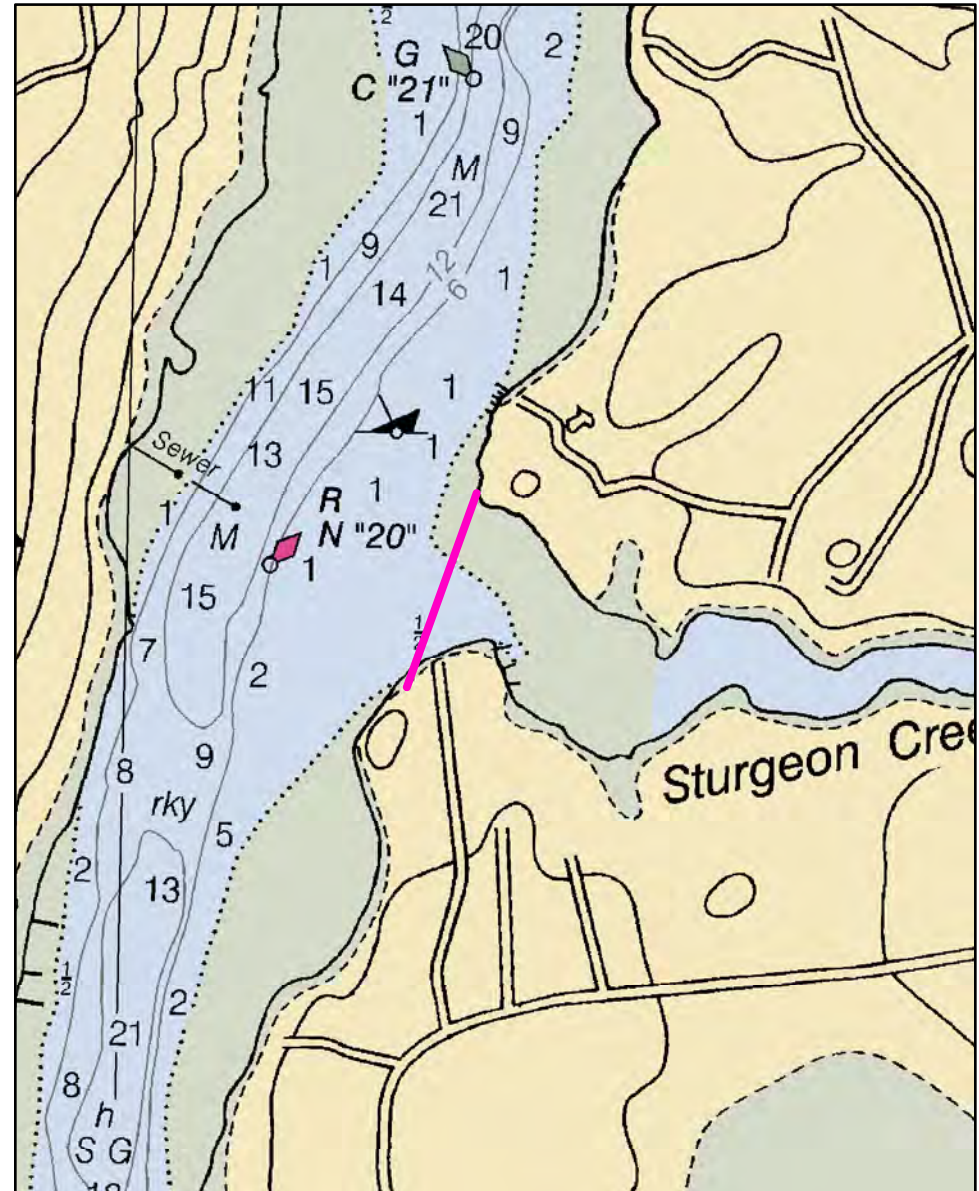
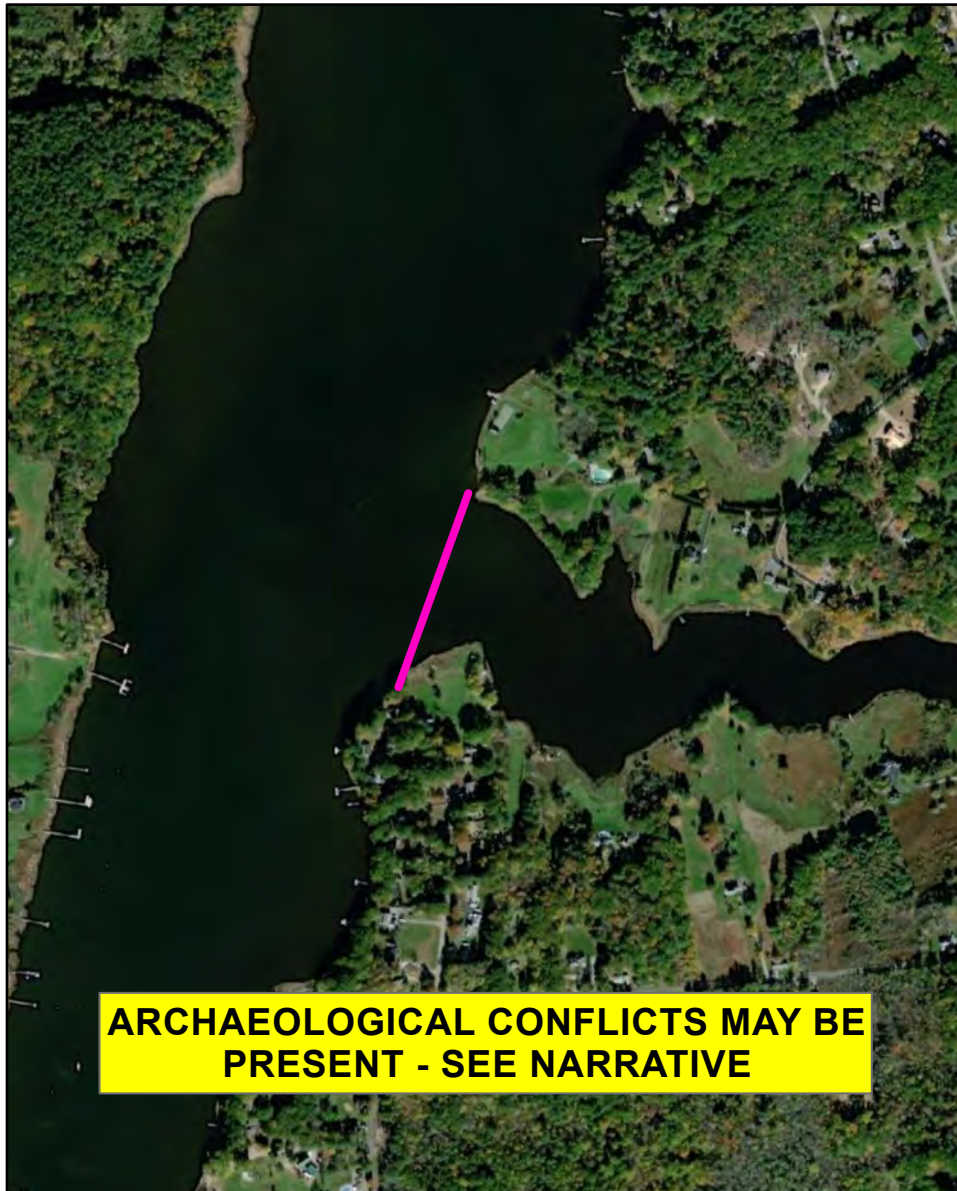
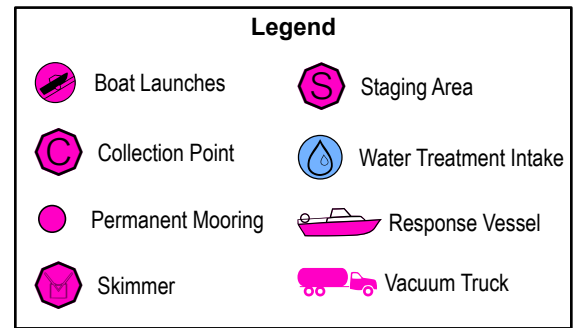
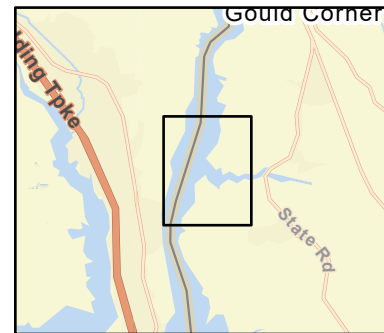
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A-24-1

Sturgeon Creek Eliot, ME



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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.

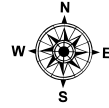
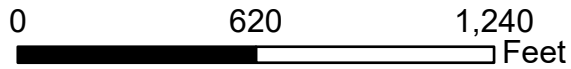
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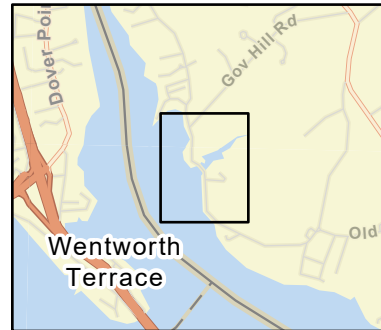
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A-25-1

Stacy Creek
Eliot, ME



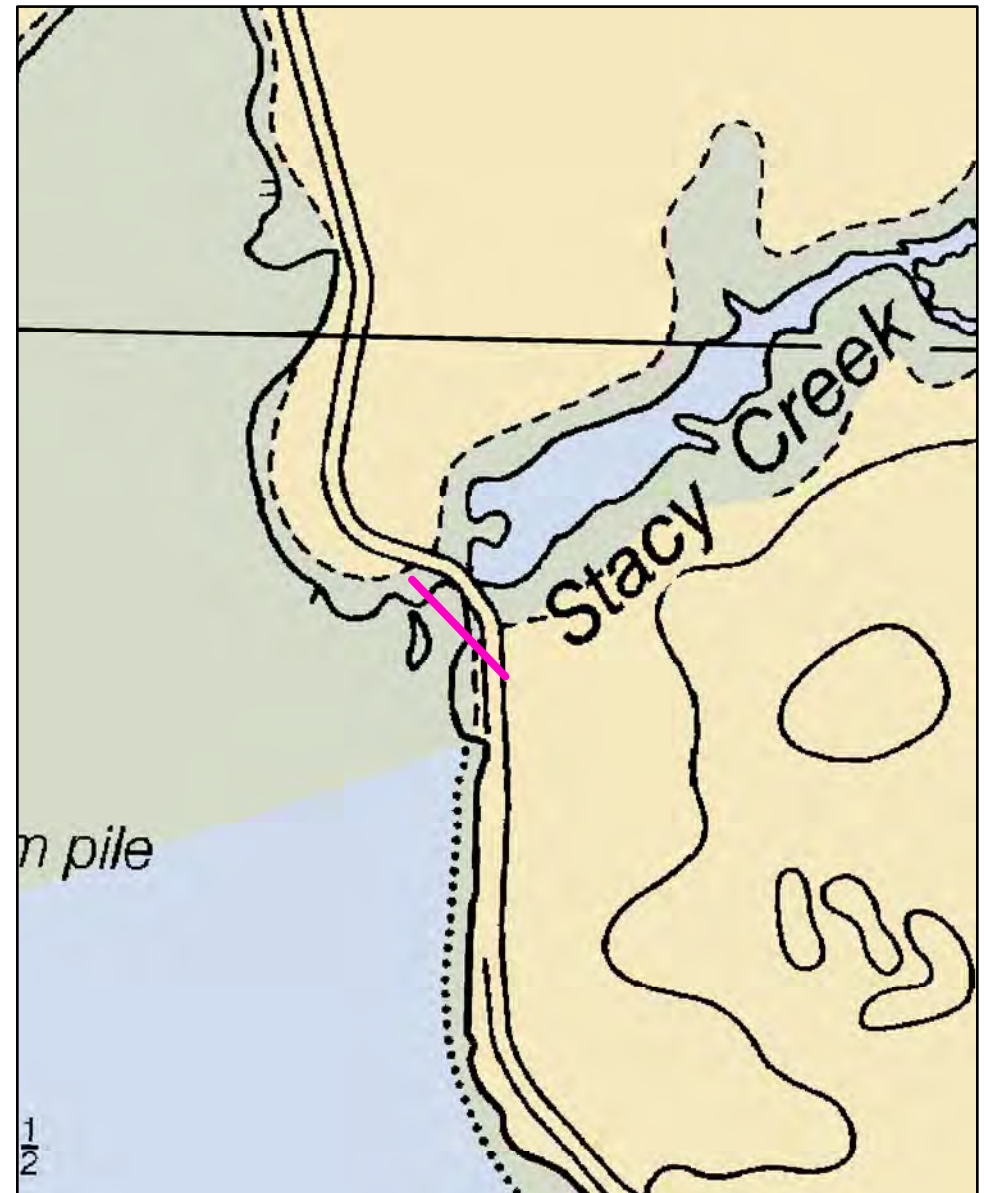
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Legend			
	Boat Launches		Staging Area
	Collection Point		Water Treatment Intake
	Permanent Mooring		Response Vessel
	Skimmer		Vacuum Truck



ARCHAEOLOGICAL CONFLICTS MAY BE PRESENT - SEE NARRATIVE



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.

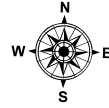
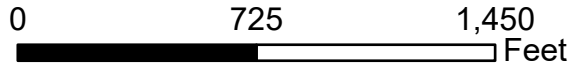
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Last Field Visit 6/9/2022

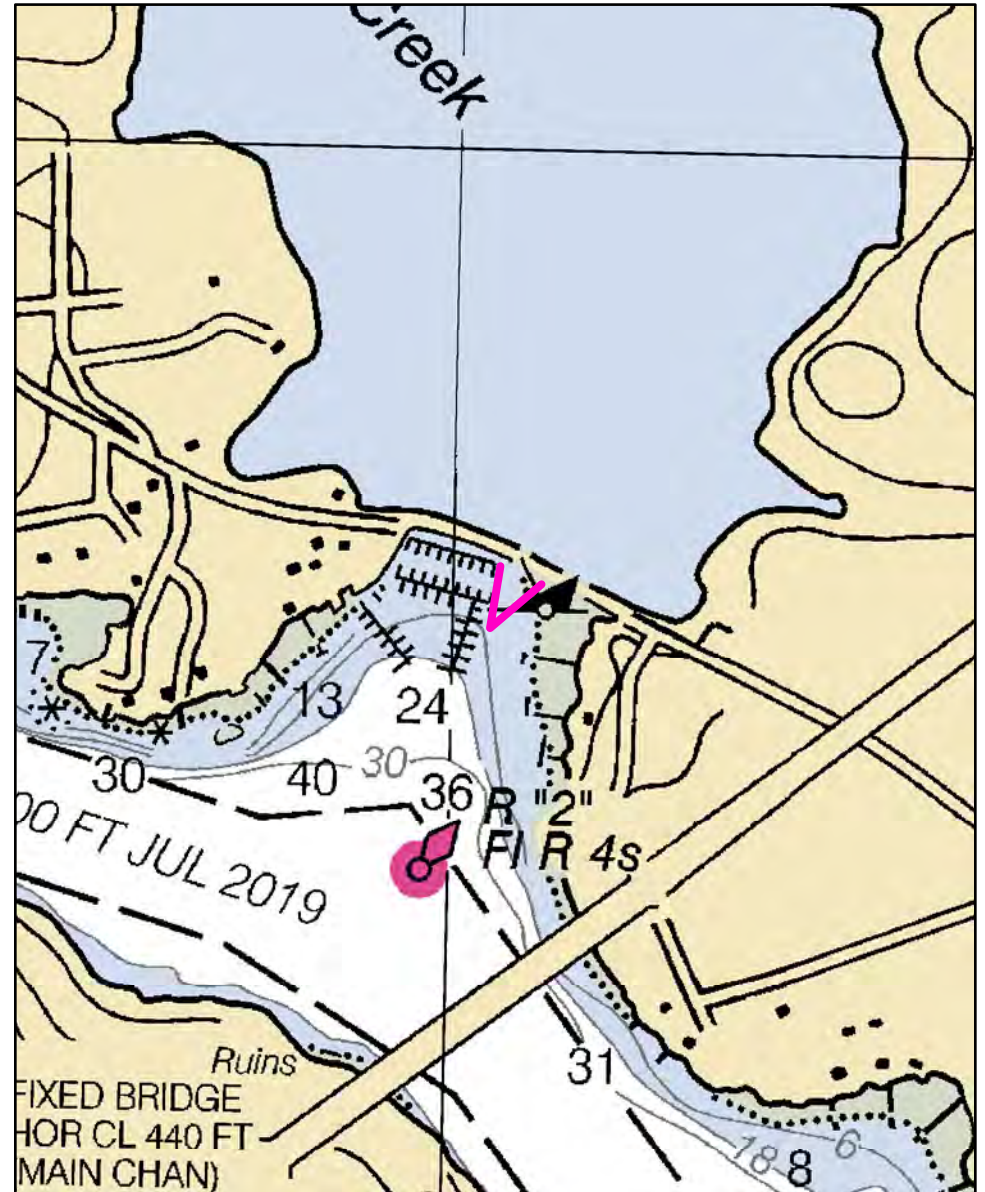
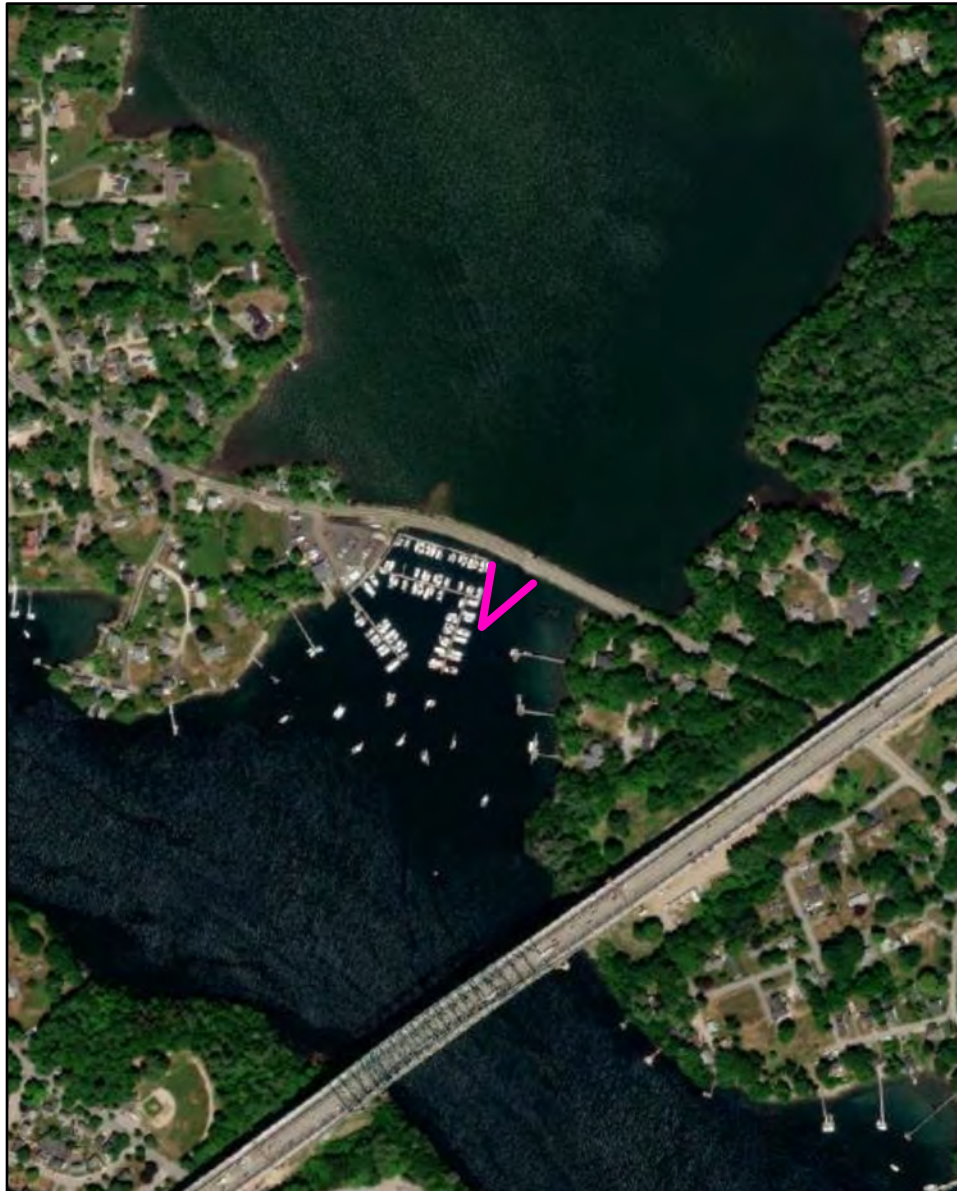
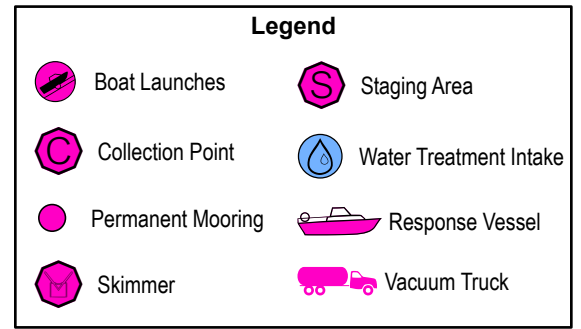
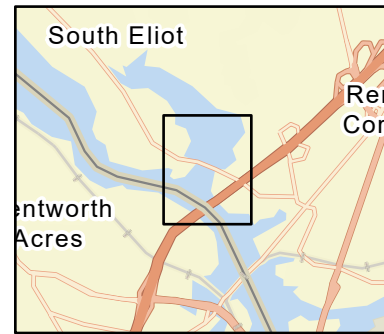
Last Field Test:

A-26-1

Spinney Creek Eliot, ME



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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.

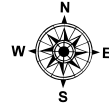
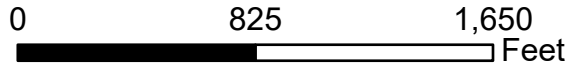
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Last Field Visit: 6/19/2003

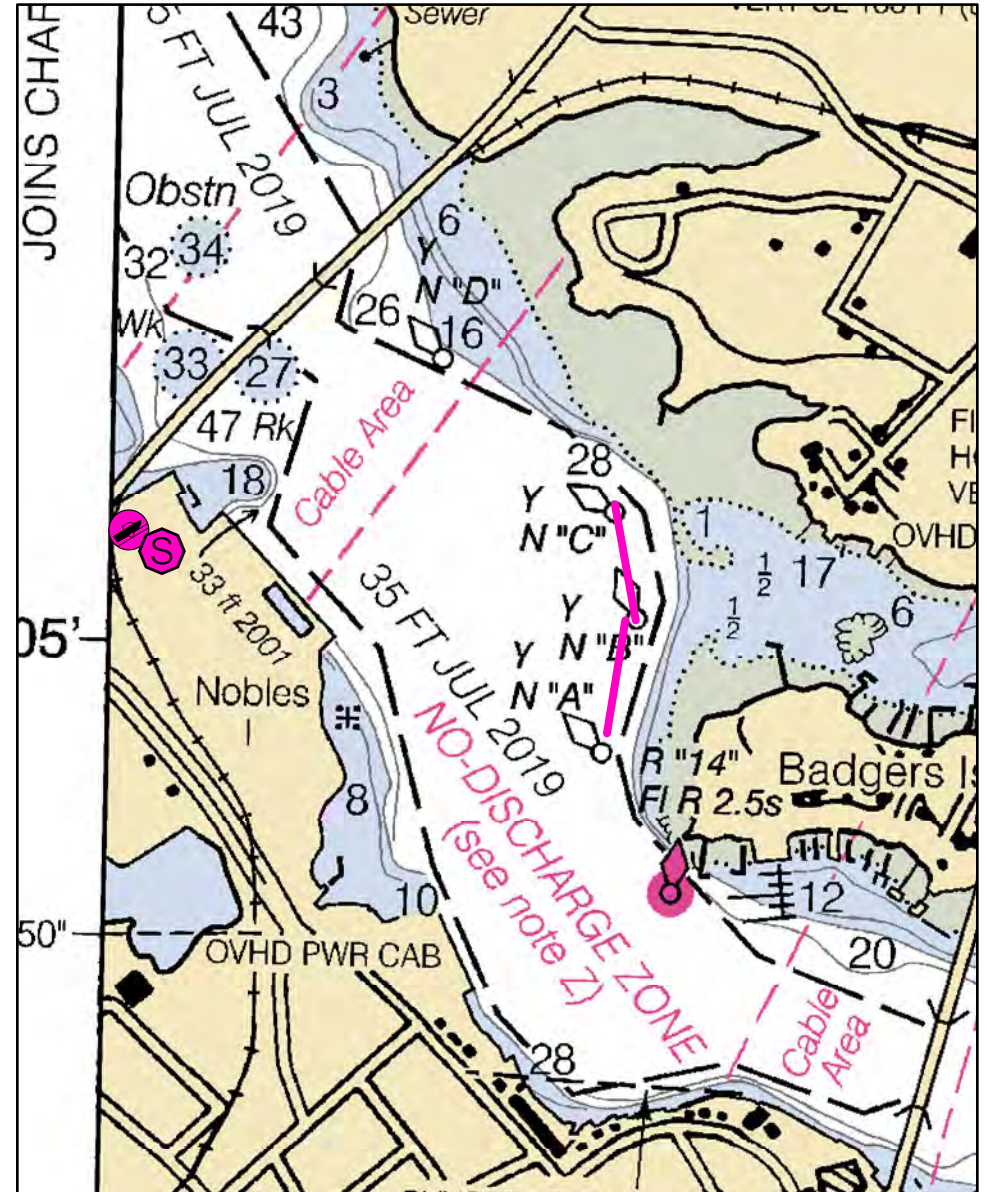
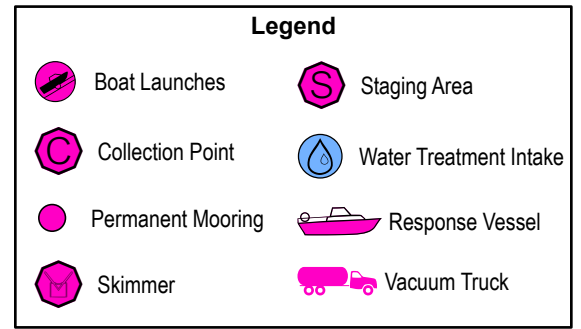
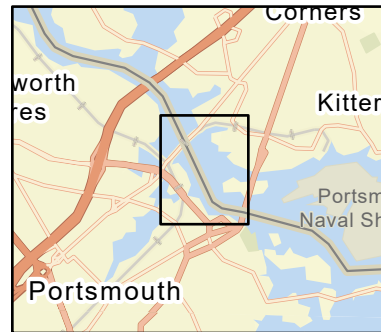
Last Field Test: 9/1/2004

A-27-1

Between Kittery and Badgers Island Kittery, ME



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A-27-1 Between Kittery and Badgers Island

Town	Kittery, ME	Port Region	New Hampshire and Southern Maine
Latitude	43° 05.049 N	Longitude	70° 45.377 W
Approx. Tidal Range (feet)	9	NOAA Chart #	13283_1
Max Current (knots)	Flood	ESI Map #	54D
	Ebb 1.1	EVI Map #	2
Source	Local knowledge estimate	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.

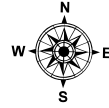
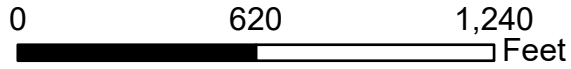
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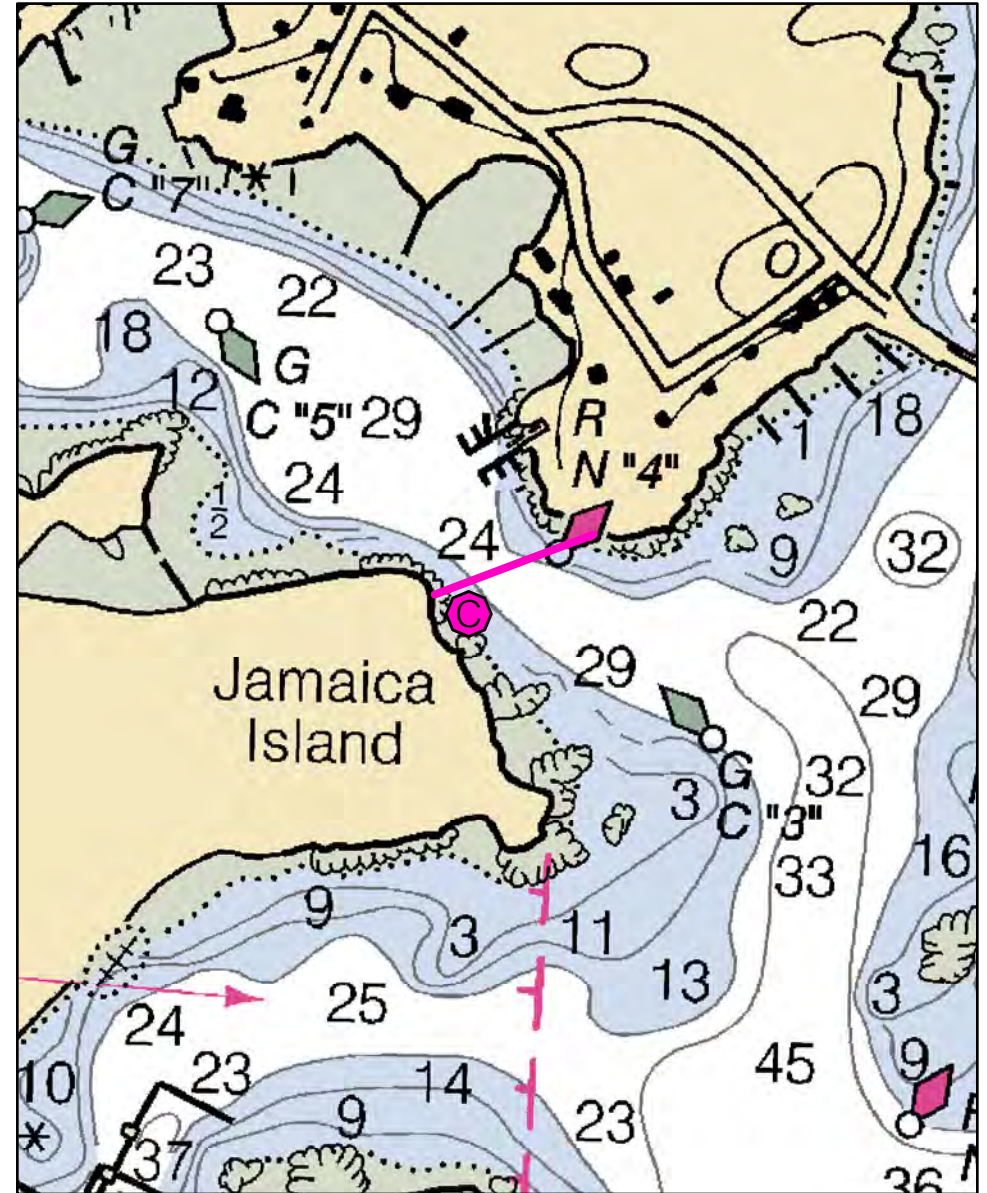
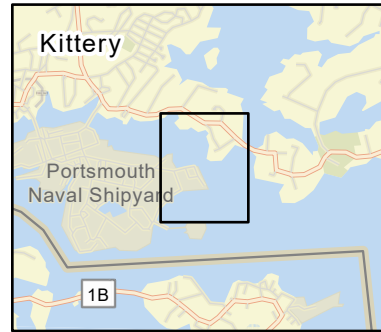
Last Field Test: 10/5/2008

A-28-1

Seavey Island Back Channel Kittery, ME



Date printed: 9/10/2022 7:49 PM



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.

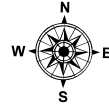
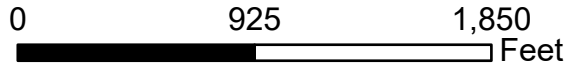
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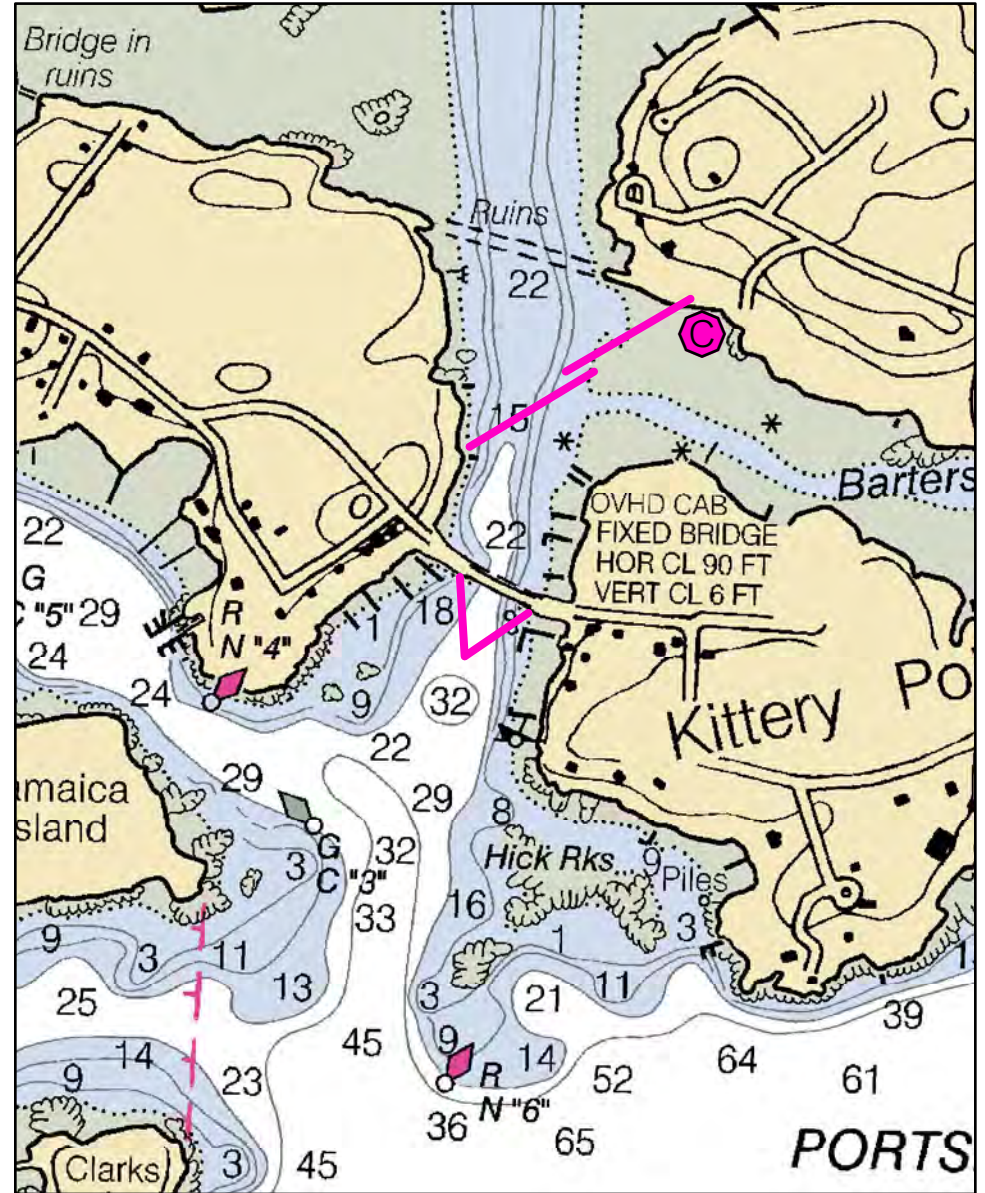
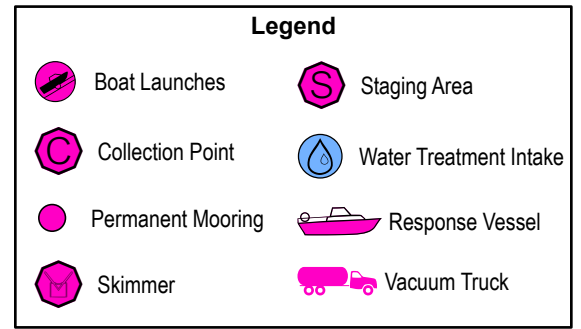
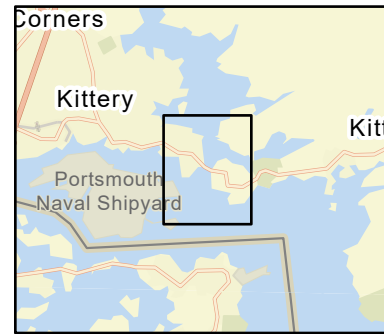
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A-29-1

Spruce Creek Kittery, ME



Date printed: 9/10/2022 7:50 PM



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

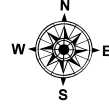
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Last Field Test: 10/1/2014

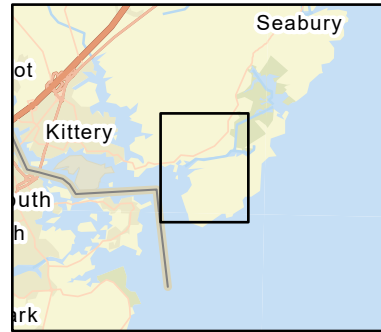
A-30-1

Chauncey Creek Entrance Kittery, ME

0 2,000 4,000 Feet

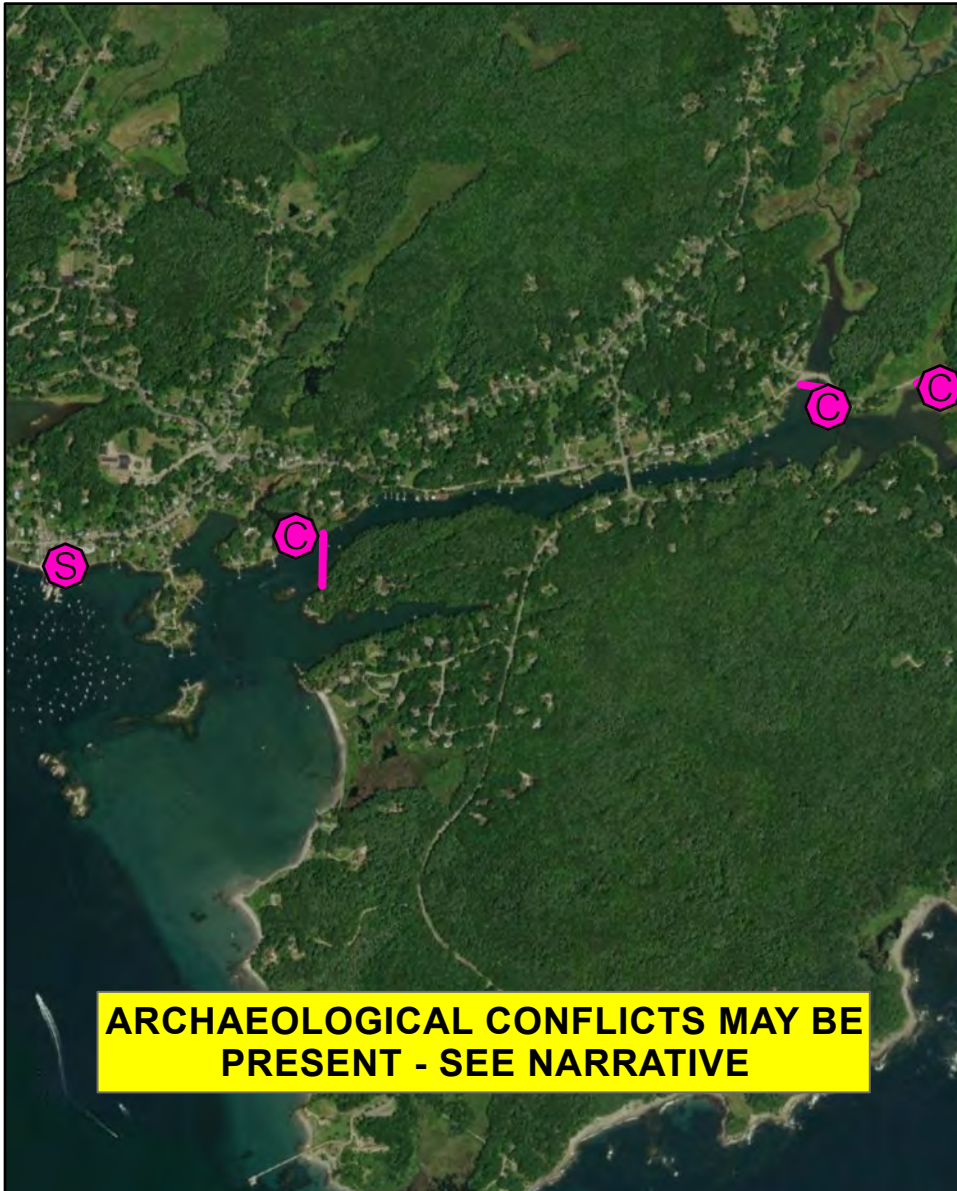


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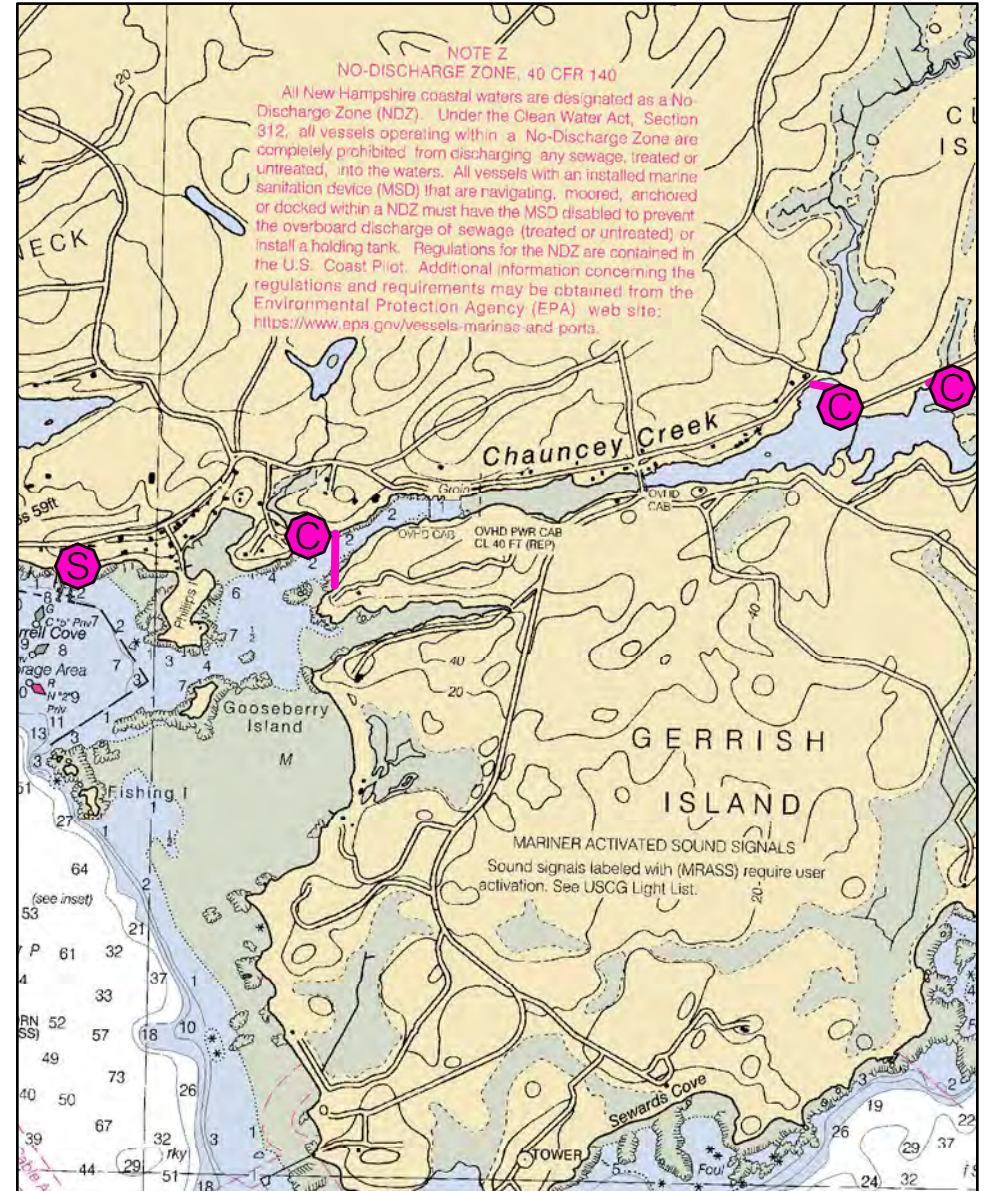


Legend

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



ARCHAEOLOGICAL CONFLICTS MAY BE PRESENT - SEE NARRATIVE



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

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

Seapoint Road:
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.

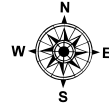
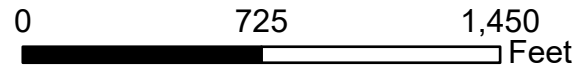
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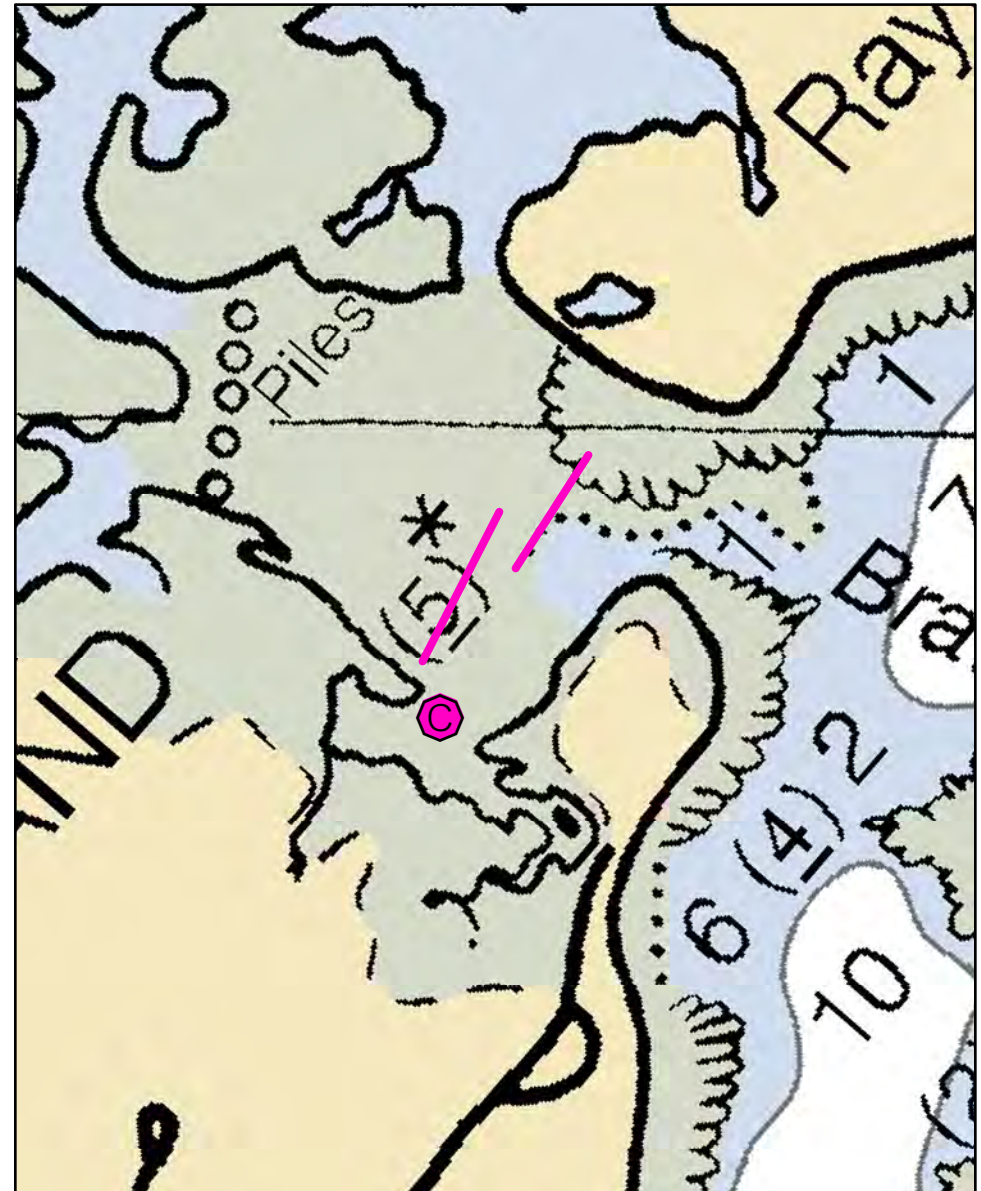
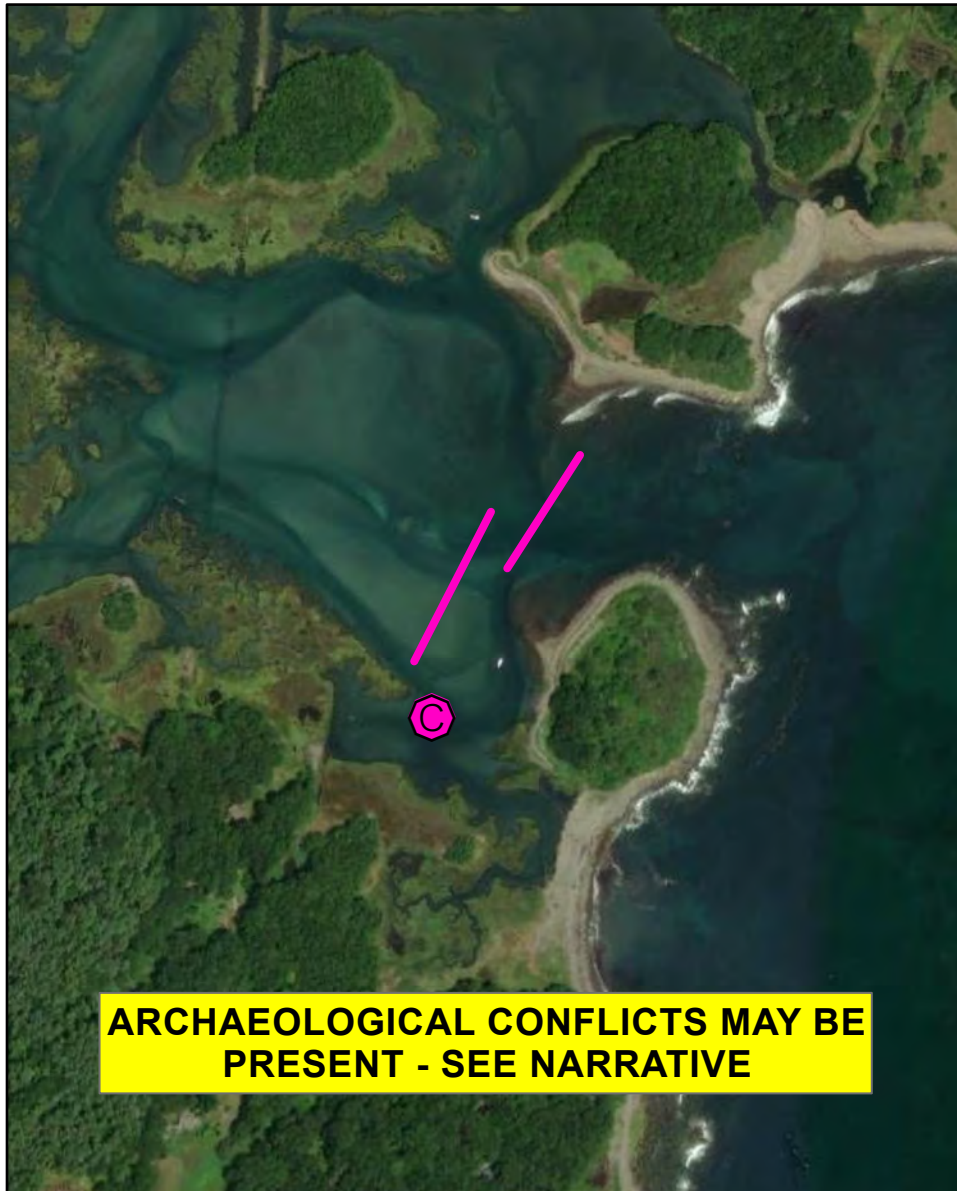
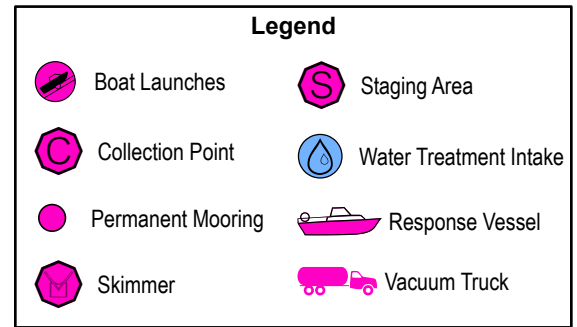
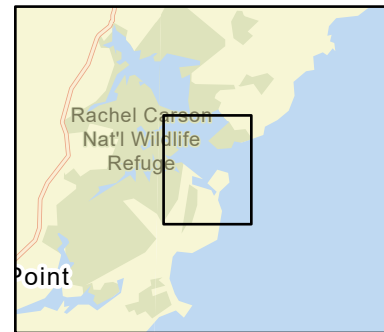
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A-31-1

Brave Boat Harbor Kittery / York, ME



Date printed: 9/11/2022 7:01 AM



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

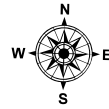
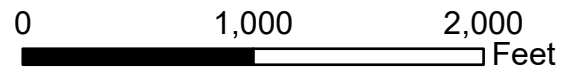
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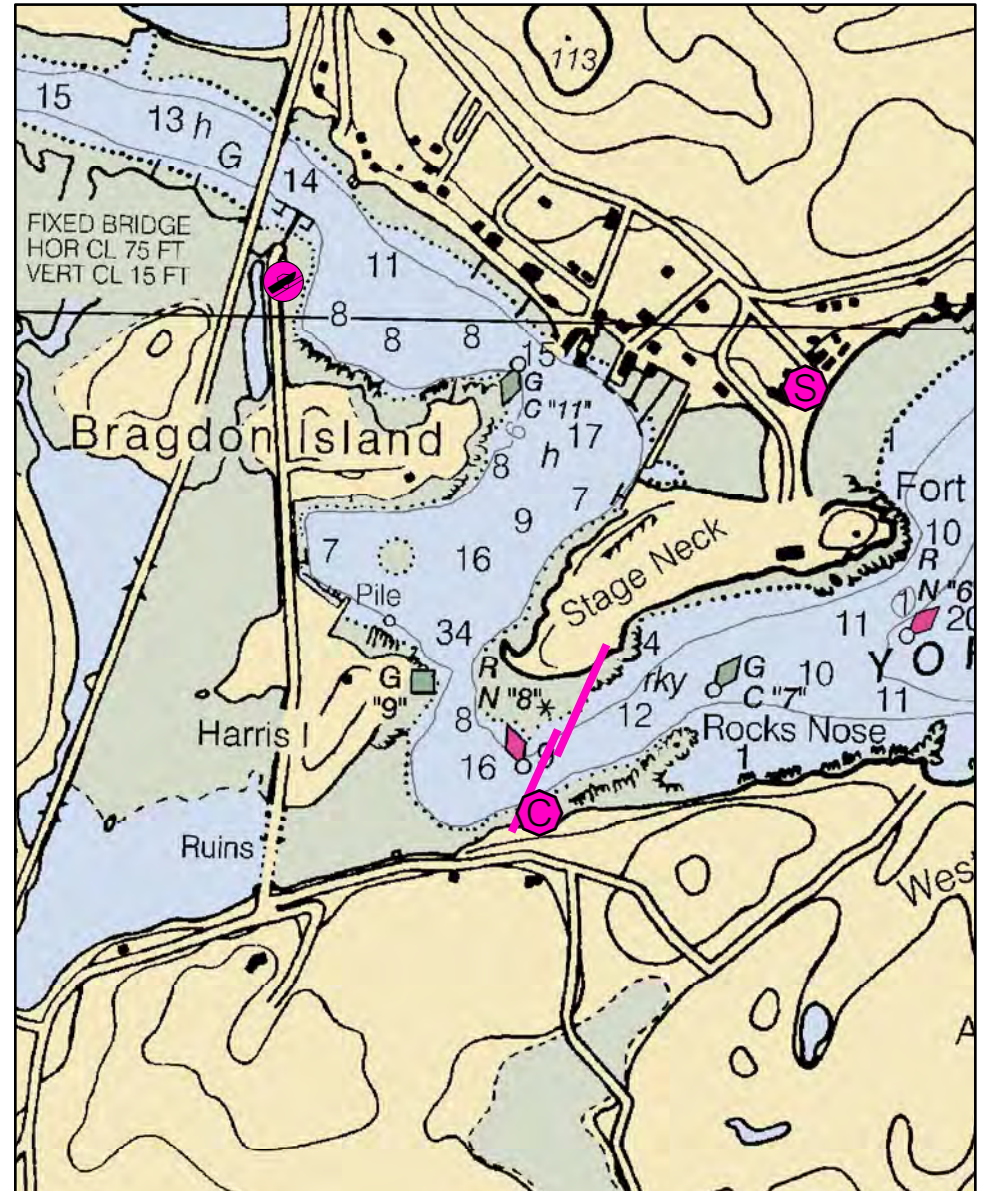
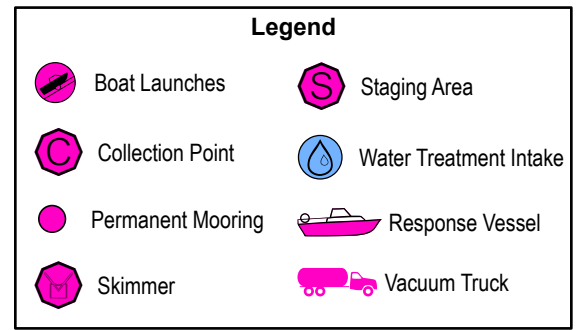
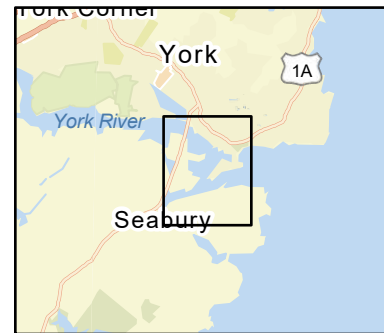
A-32-1

York Harbor / River

York, ME



Date printed: 9/10/2022 7:50 PM



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.

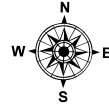
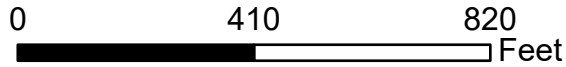
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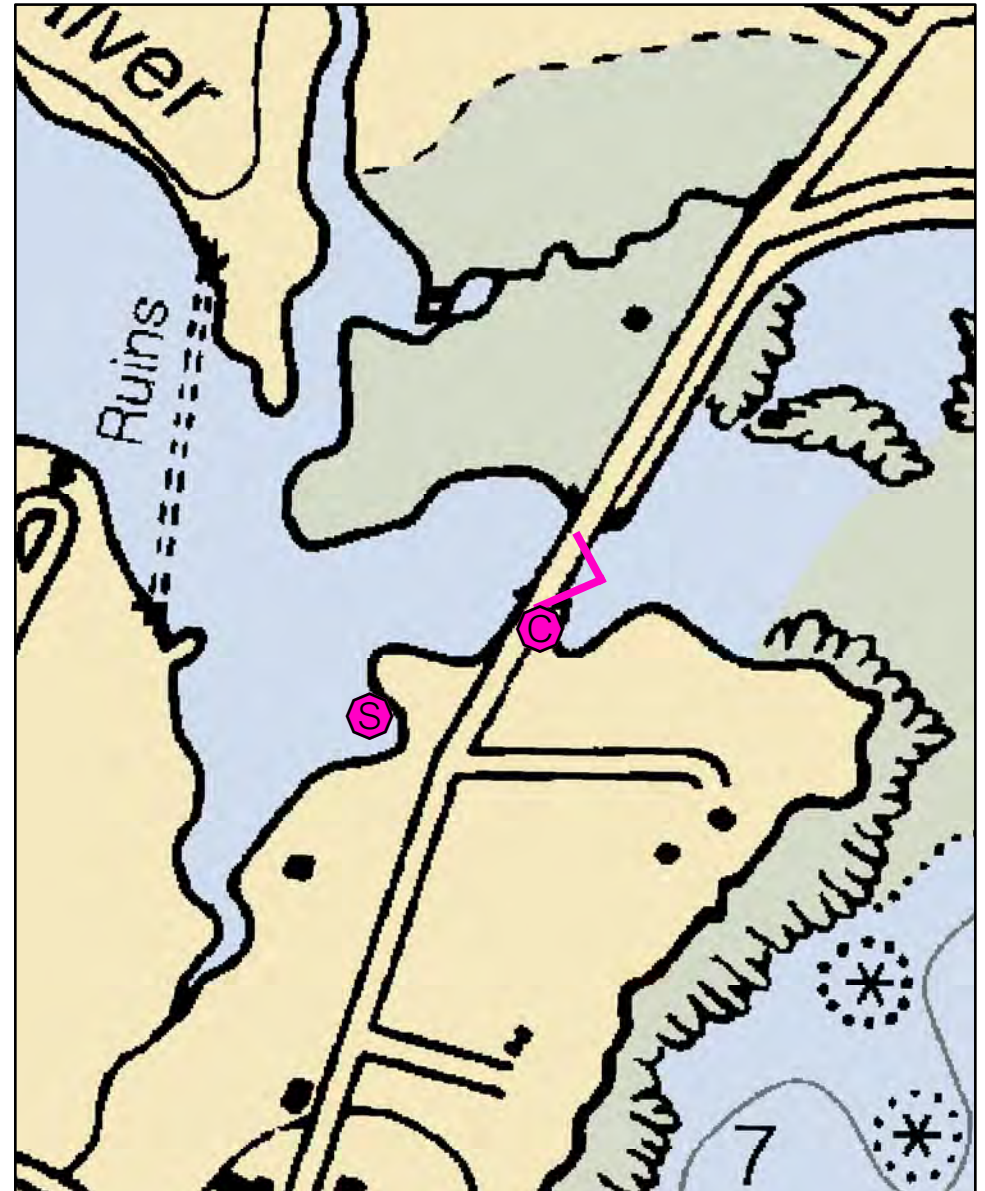
Last Field Test:

A-33-1

Cape Neddick Harbor York, ME



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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

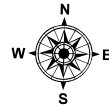
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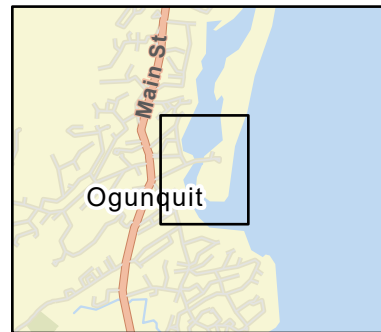
A-34-1

Ogunquit River Ogunquit, ME

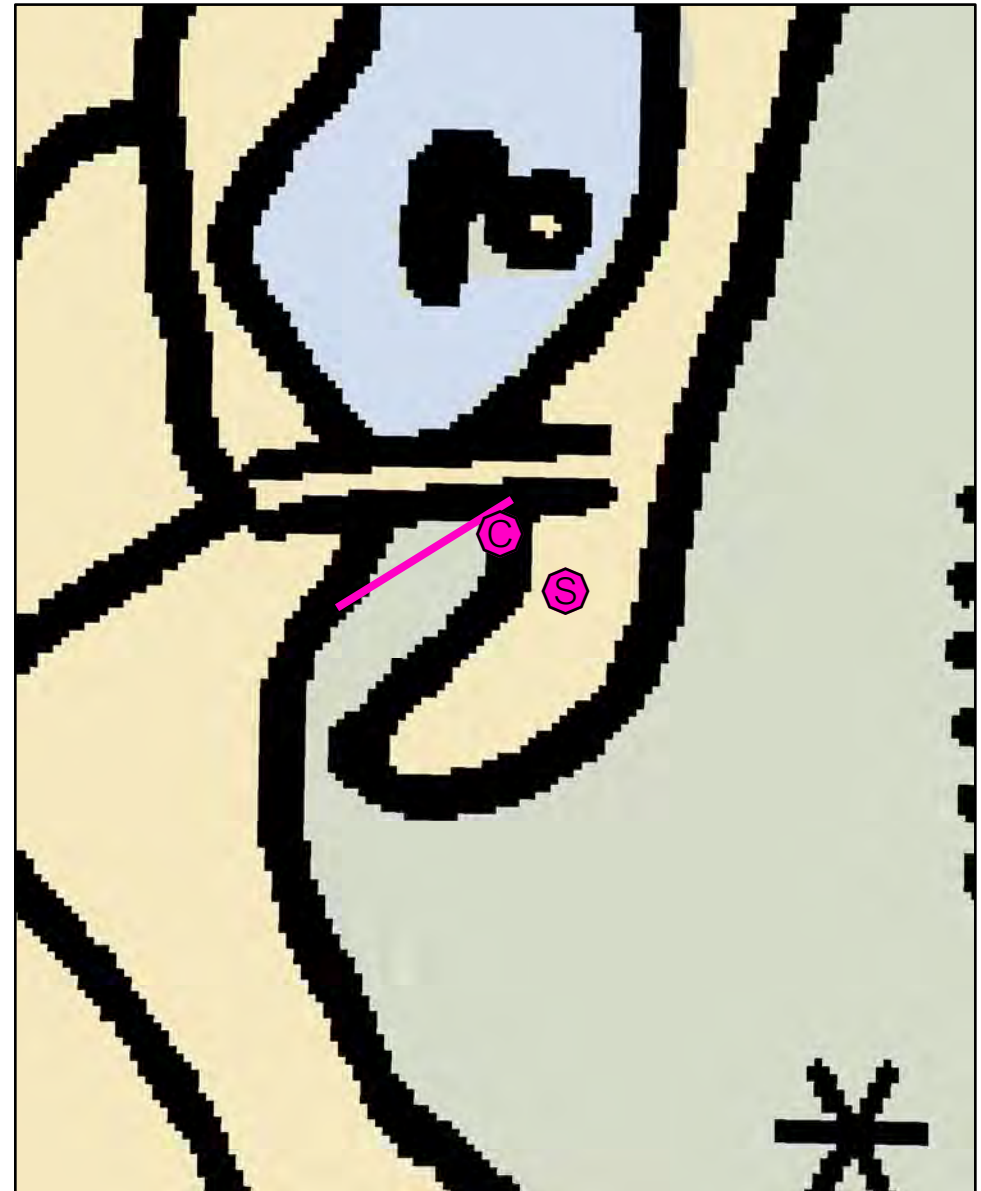
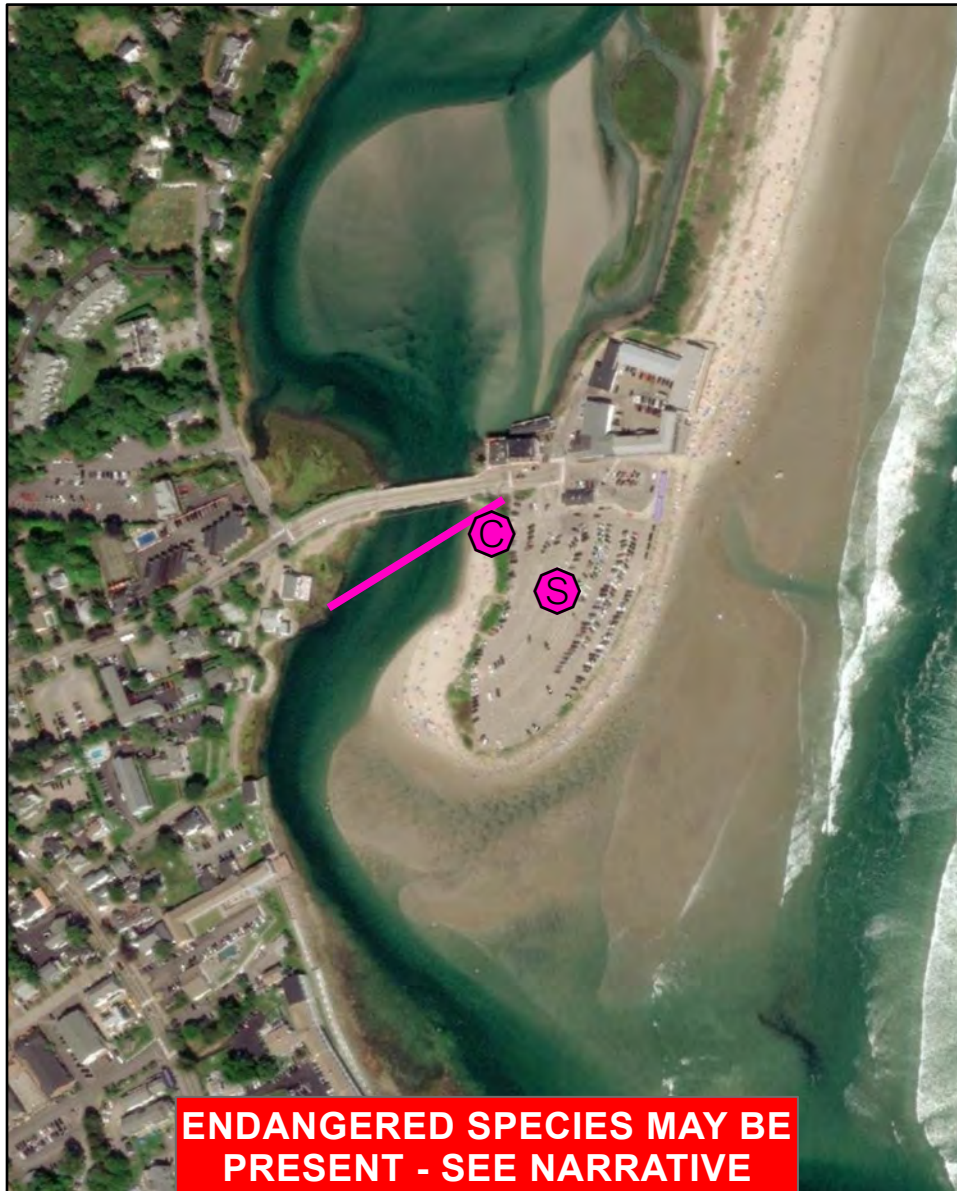
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Legend			
	Boat Launches		Staging Area
	Collection Point		Water Treatment Intake
	Permanent Mooring		Response Vessel
	Skimmer		Vacuum Truck



A-34-1 Ogunquit River

Town Ogunquit, ME **Port Region** New Hampshire and Southern Maine
Latitude 43° 14.975 N **Longitude** 70° 35.709 W **NOAA Chart #** 13286_1
Approx. Tidal Range (feet) 9 **ESI Map #** 54A
Max Current (knots) **Flood** 2.1 **Ebb** 1.9 **EVI Map #** 6
Source Fitzgerald, et al 1989 **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.

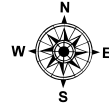
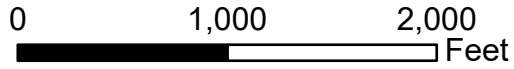
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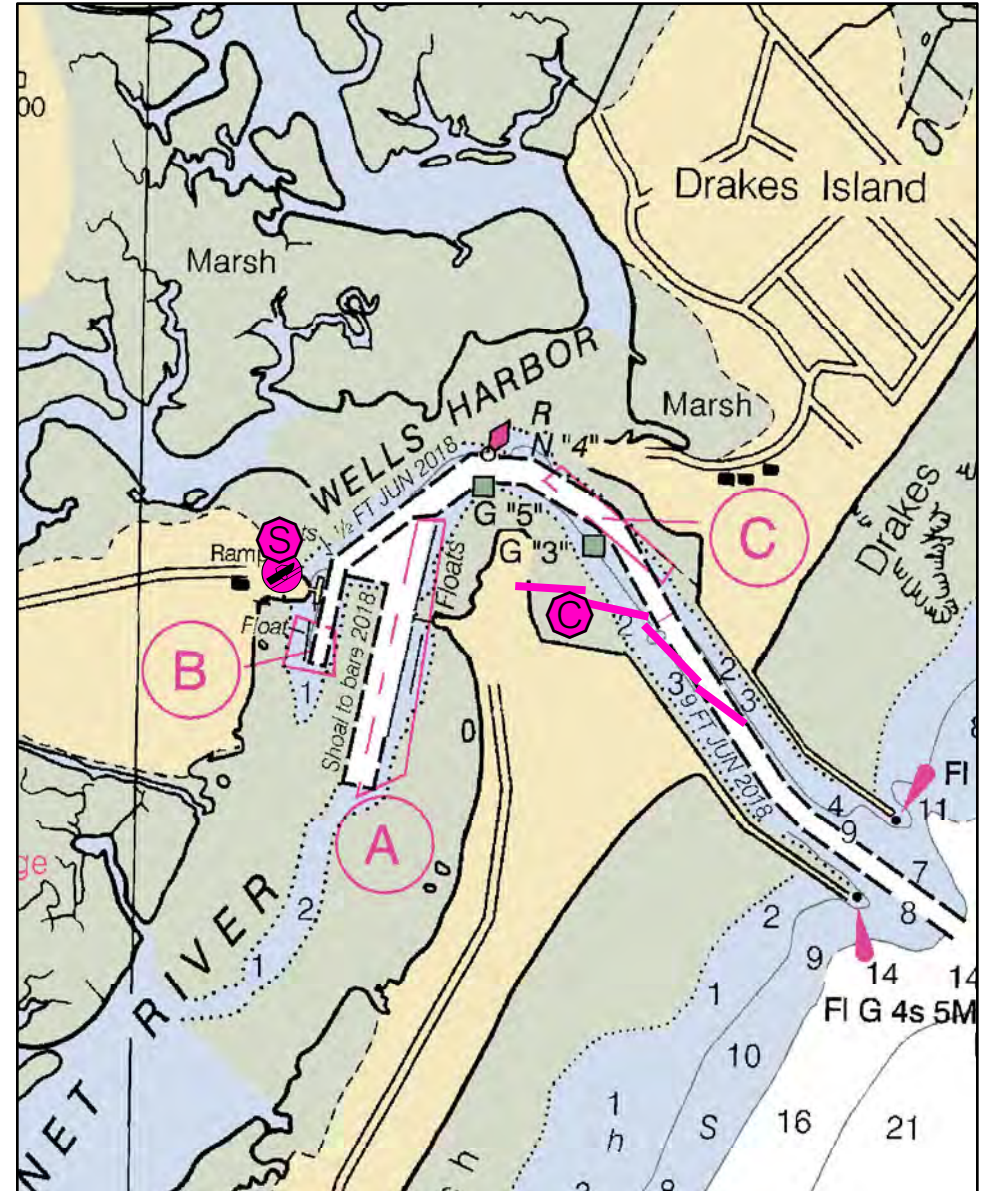
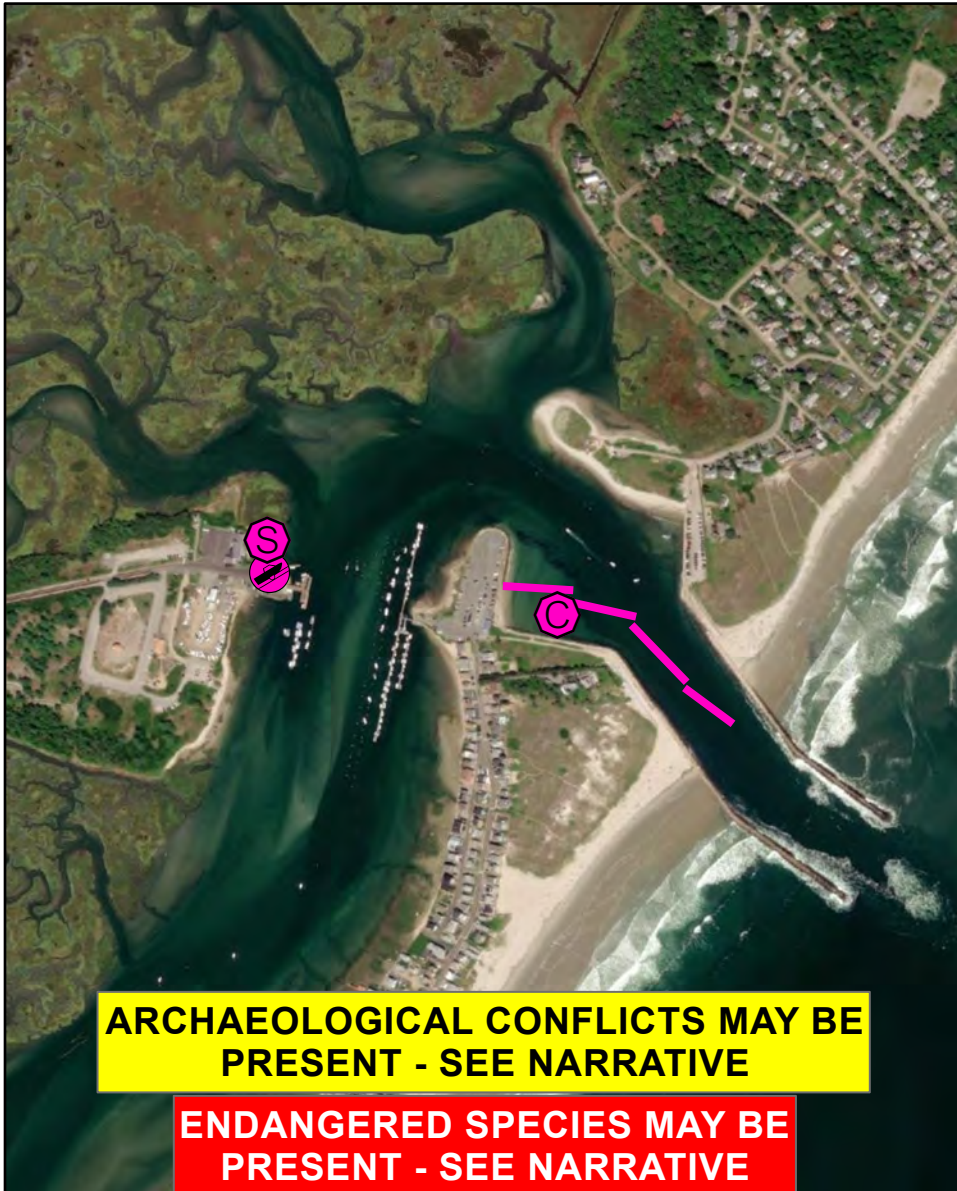
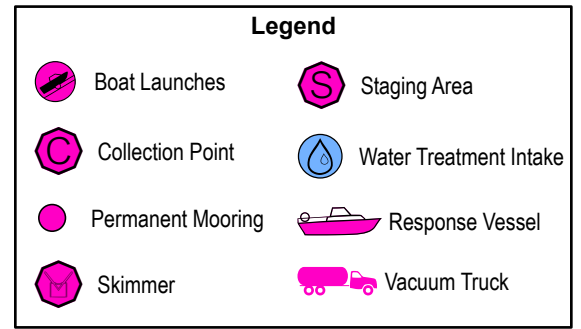
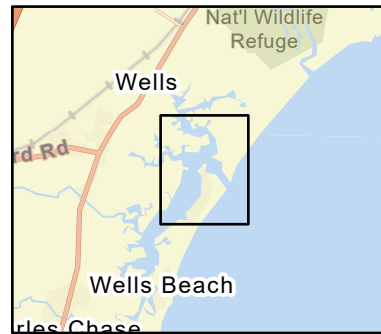
Last Field Test:

A-35-1

Wells Harbor and Webhannet River Wells, ME



Date printed: 9/10/2022 7:50 PM



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

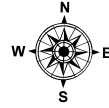
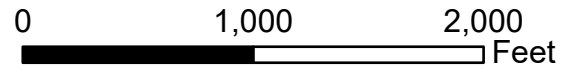
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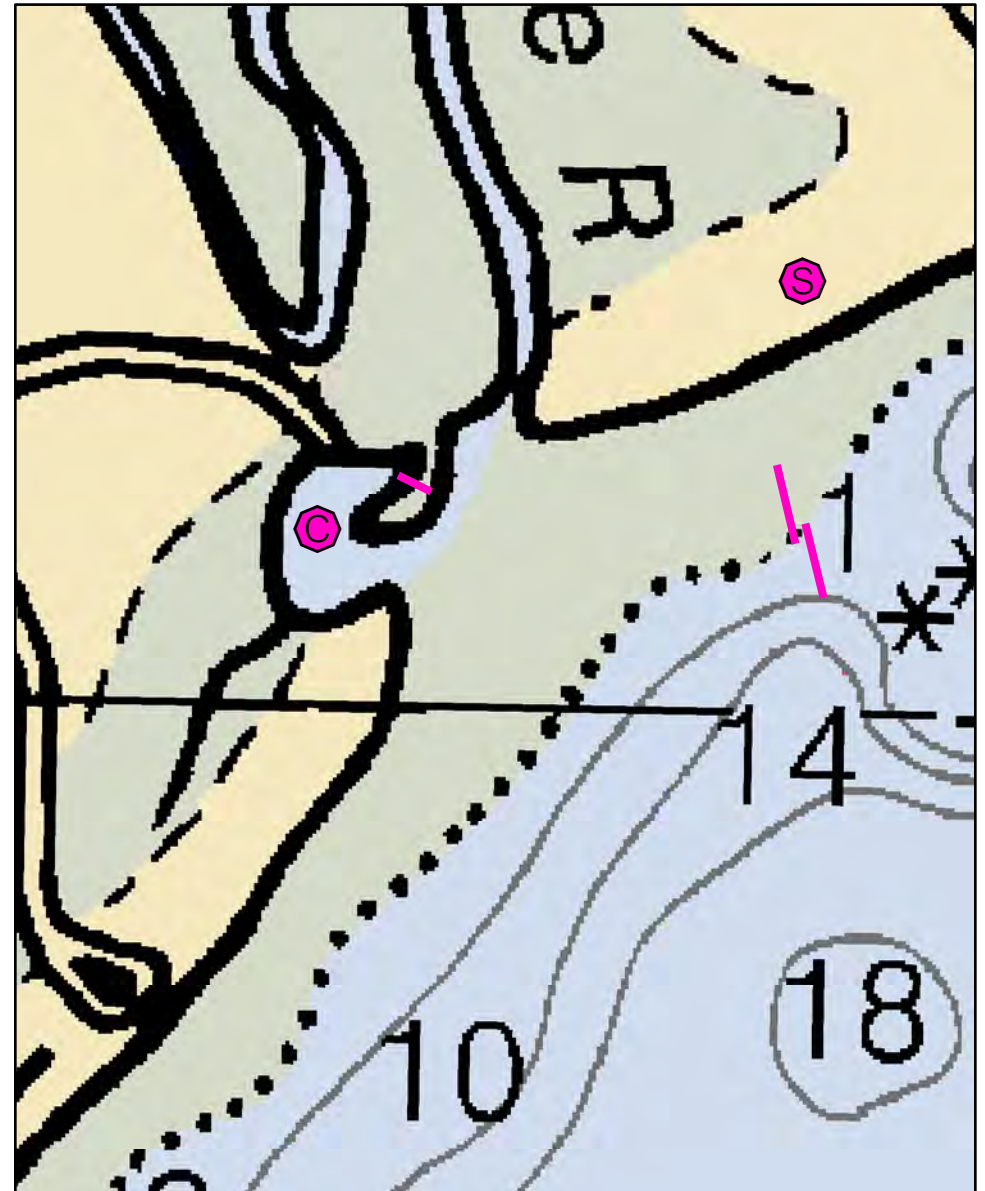
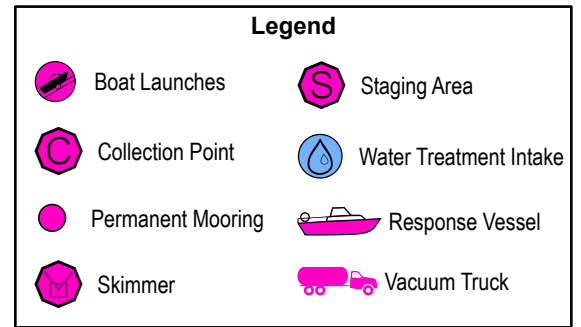
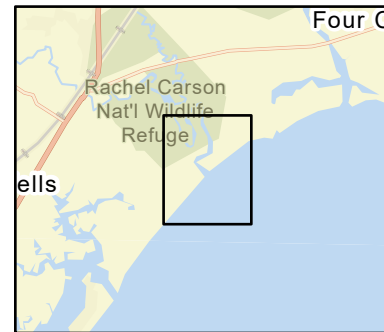
A-36-1

Little River, Wells

Wells / Kennebunk, ME



Date printed: 9/11/2022 7:01 AM



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.

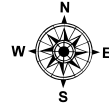
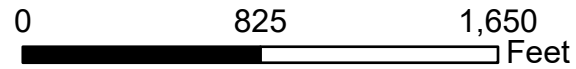
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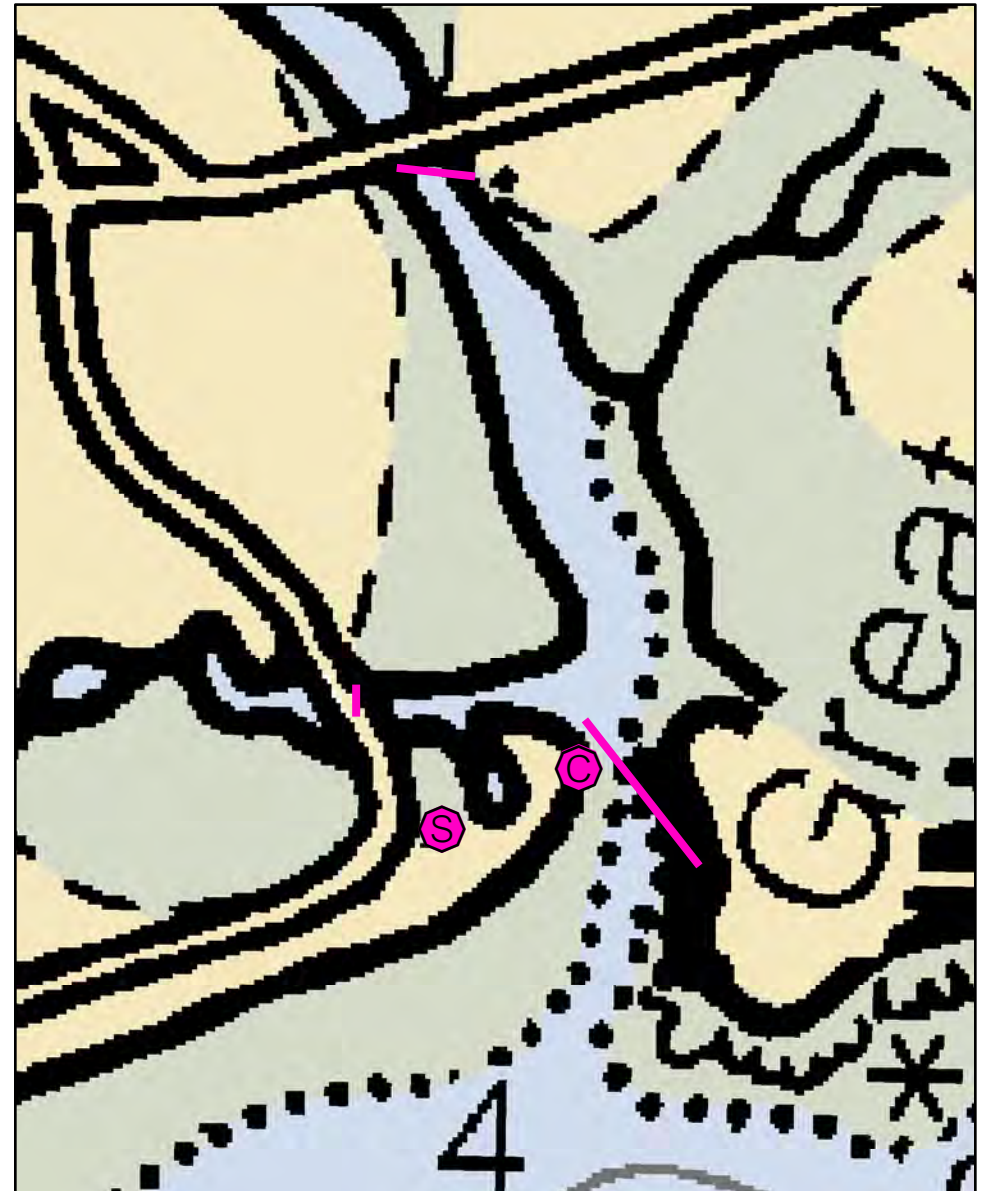
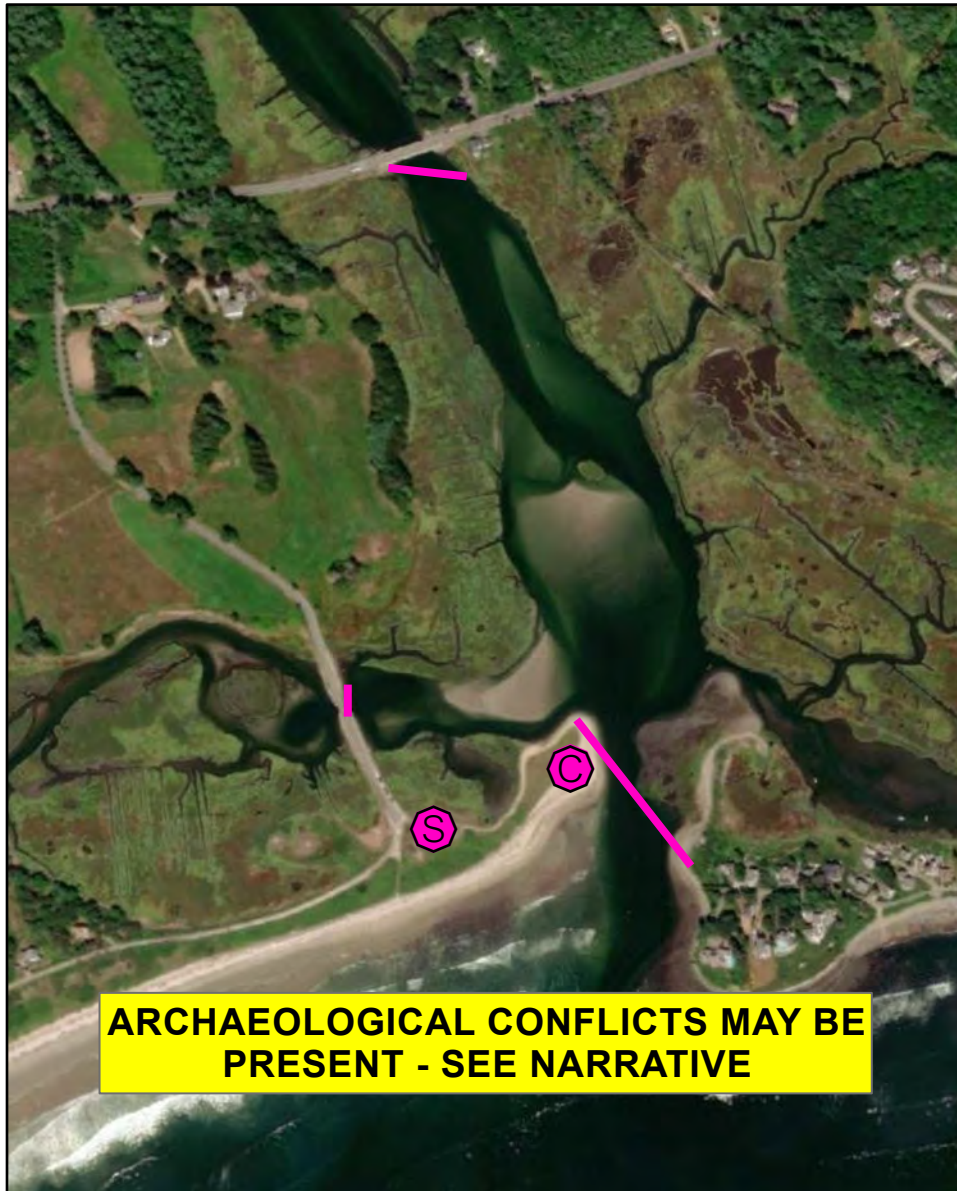
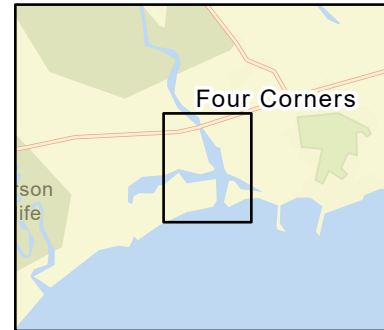
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A-37-1

Mousam River Kennebunk, ME



Date printed: 9/10/2022 7:50 PM



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

Parsons Beach Road:
1 - vehicle with boom
2 - laborers

Route 9 Bridge:
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.

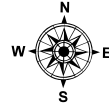
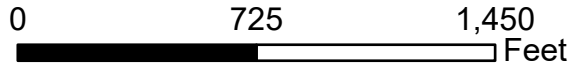
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Last Field Visit: 5/27/2022

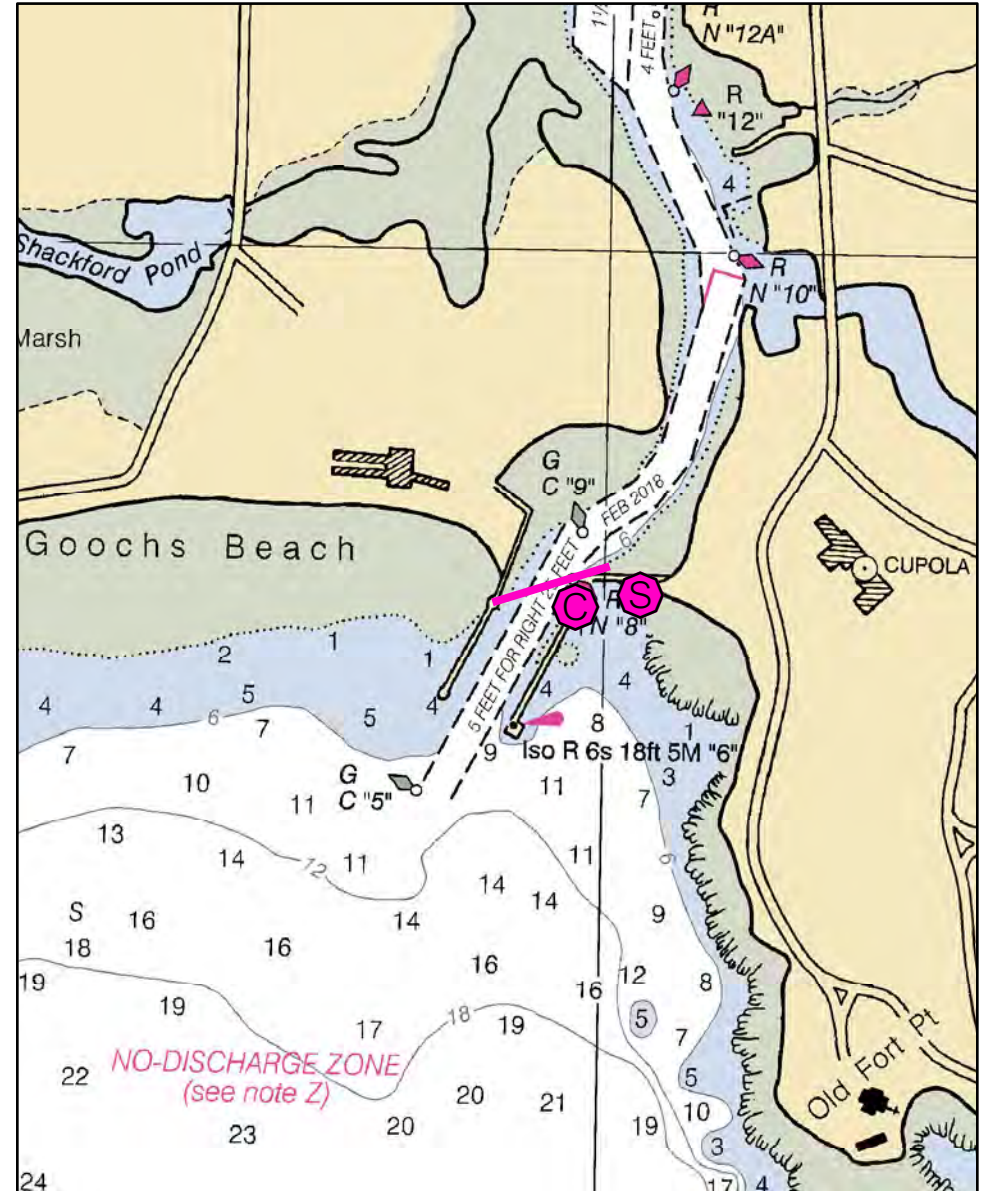
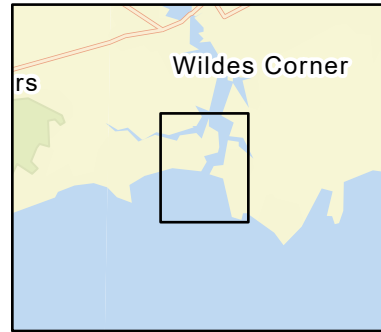
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A-38-1

Kennebunk River Kennebunkport, ME



Date printed: 9/11/2022 7:03 PM



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.

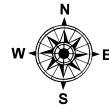
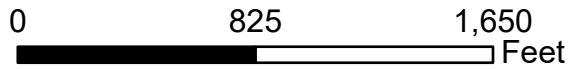
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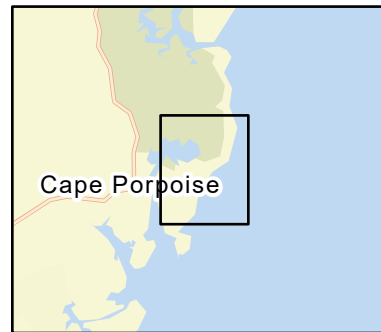
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A-39-1

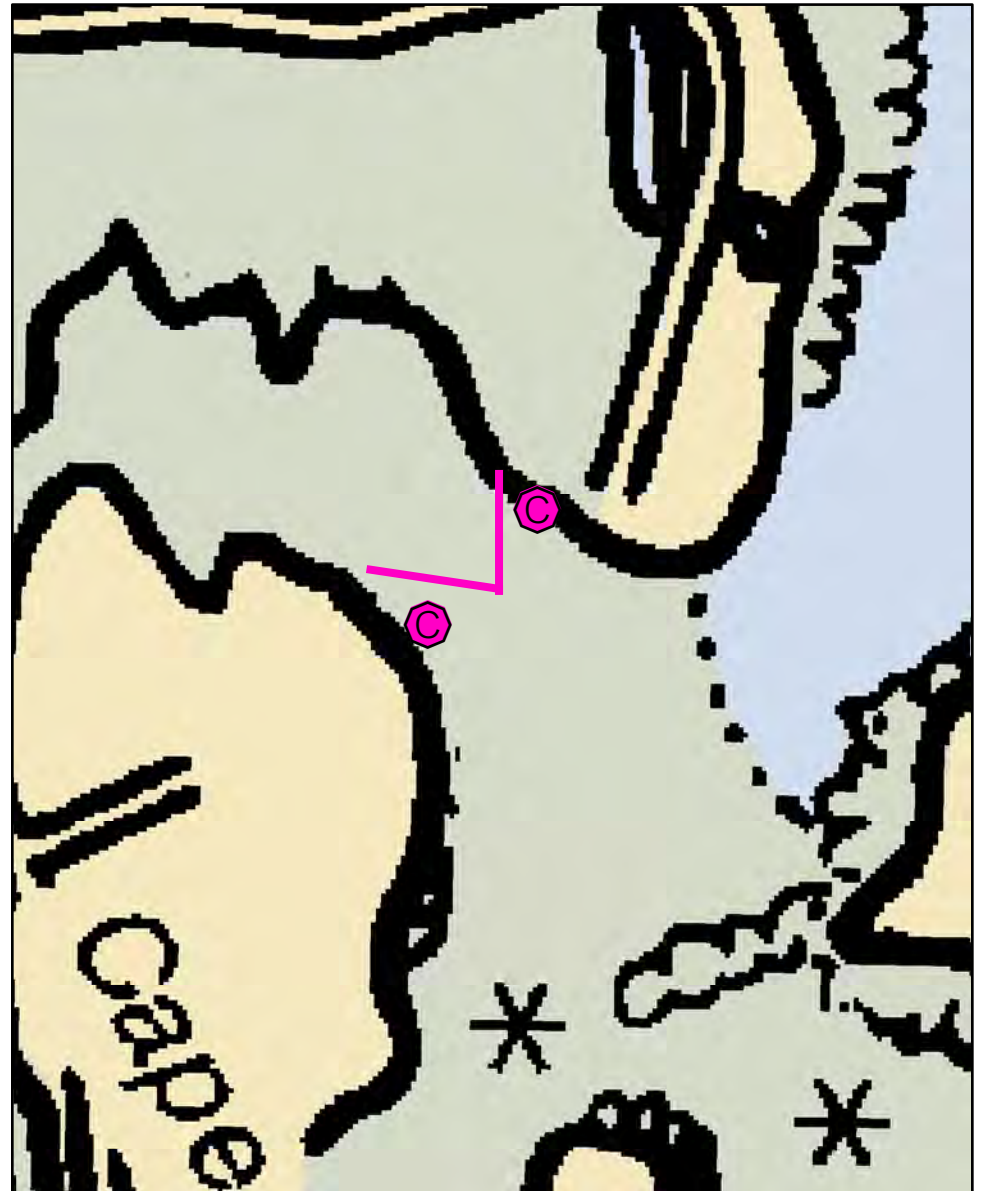
Cape Porpoise Harbor / Sampson Cove Kennebunkport, ME



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



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.

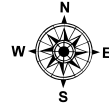
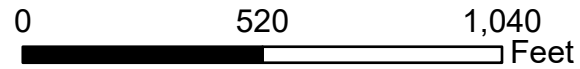
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Last Field Visit: 8/16/2004

Last Field Test:

A-40-1

Batson River / Smith Brook Kennebunkport, ME



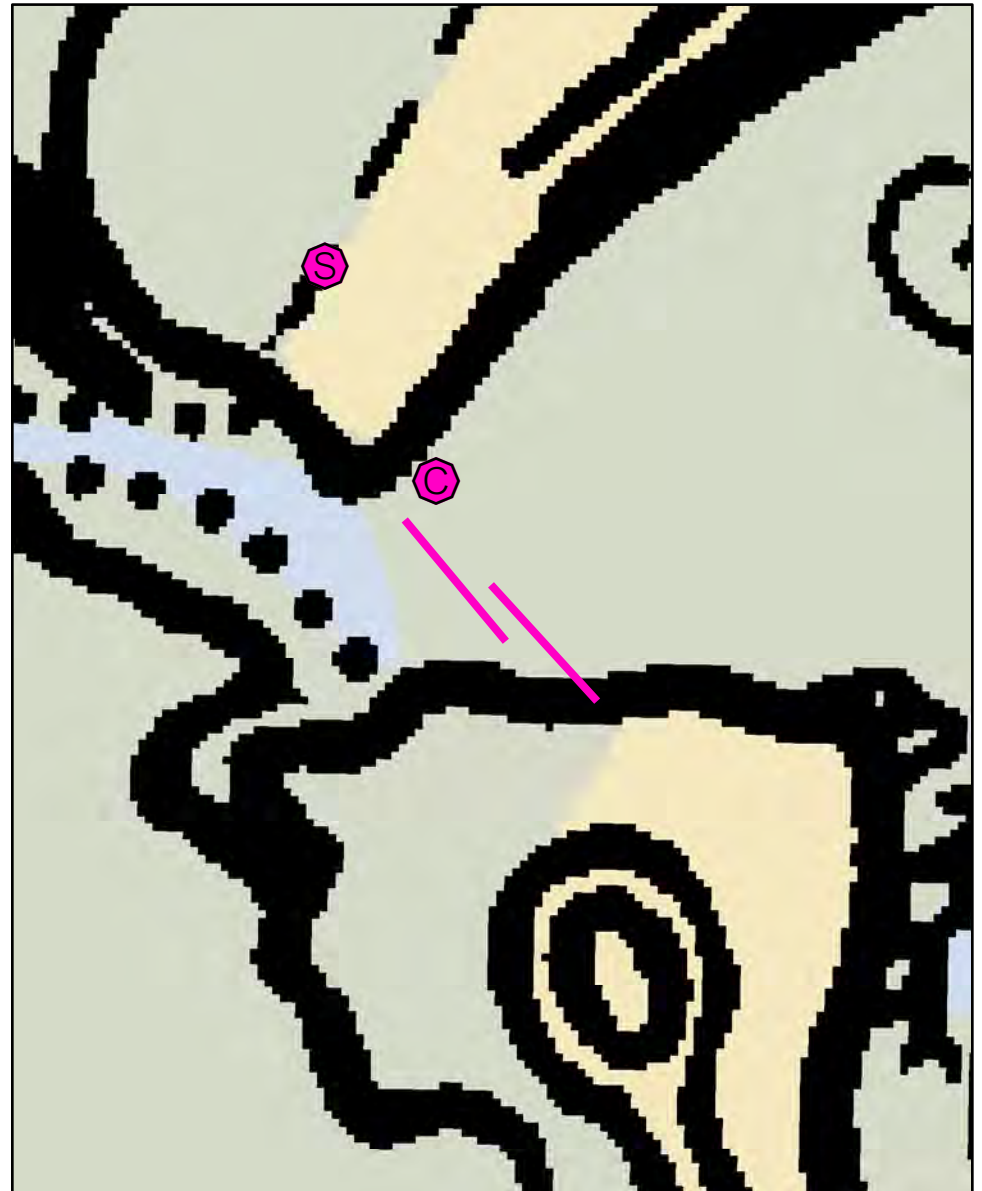
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Legend	
	Boat Launches
	Collection Point
	Permanent Mooring
	Skimmer
	Staging Area
	Water Treatment Intake
	Response Vessel
	Vacuum Truck



ENDANGERED SPECIES MAY BE PRESENT - SEE NARRATIVE



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.

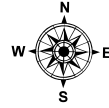
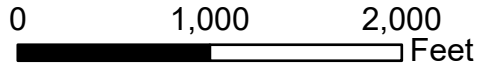
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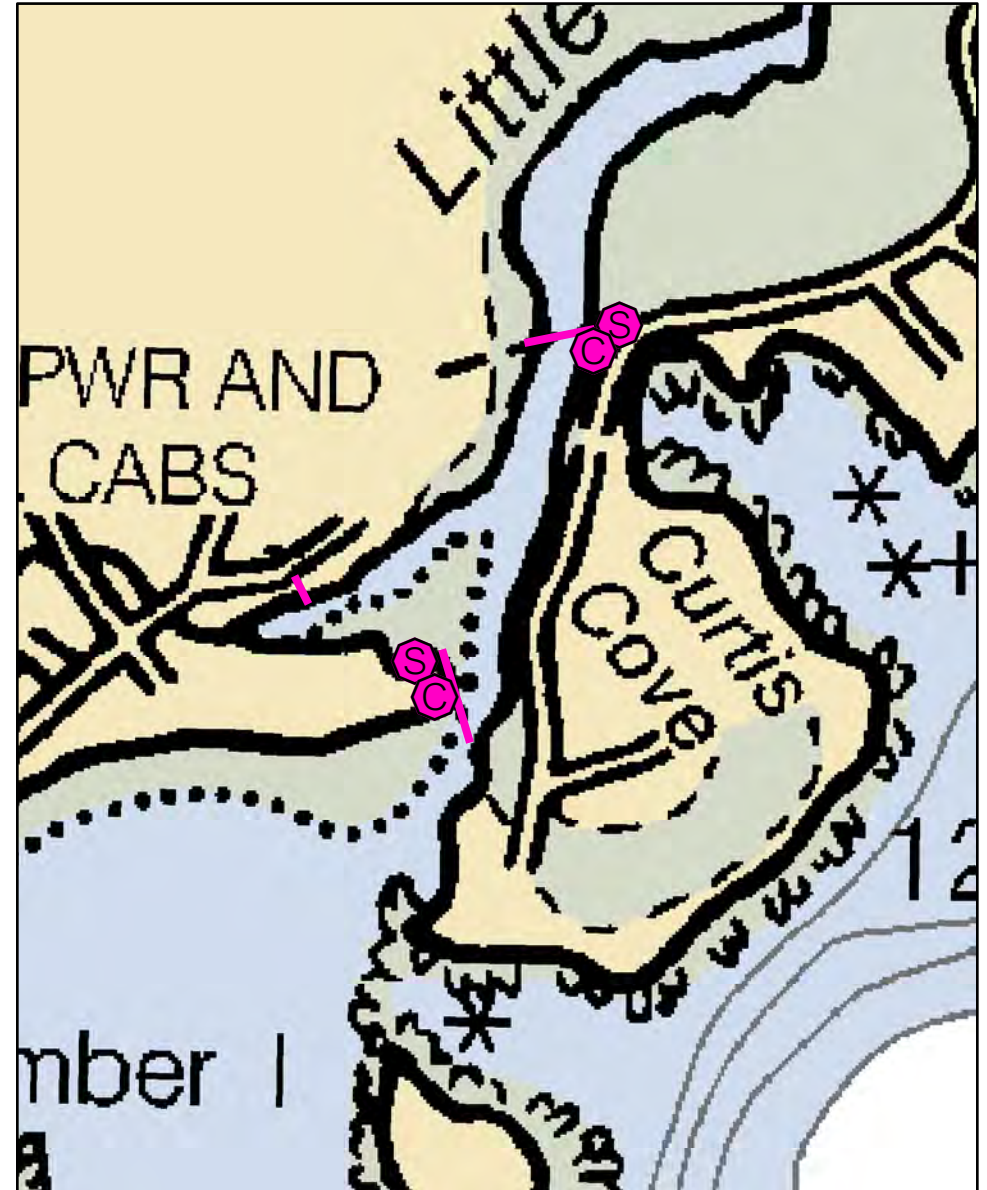
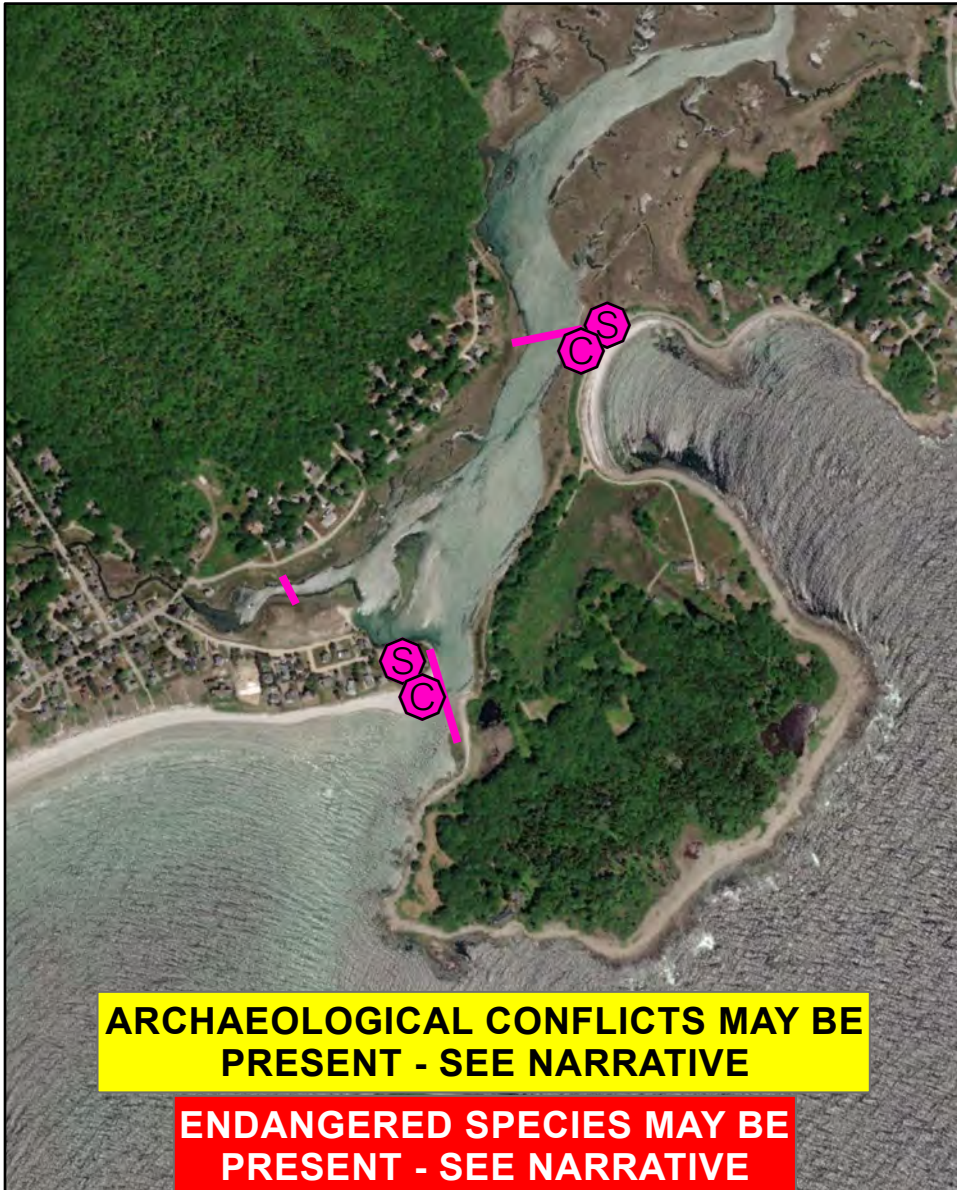
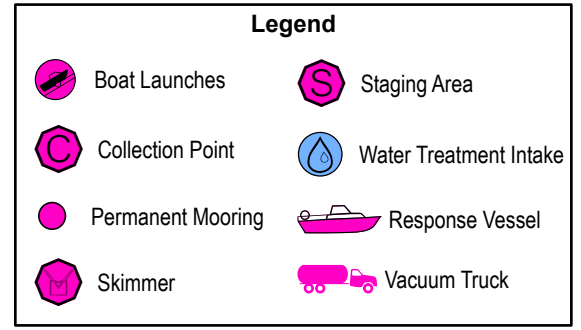
Last Field Test:

A-41-1

Little River, Biddeford
Biddeford, ME



Date printed: 9/10/2022 7:50 PM



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:	Timber Point Road:
2 - shoreside connections	1 - vehicle with boom
1 - vacuum truck or skimmer and storage	2 - shoreside connections
1 - workboats with minimum 90 hp	2 - laborers
1 - boat operators	
2 - laborers	
Sand 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.

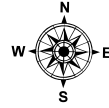
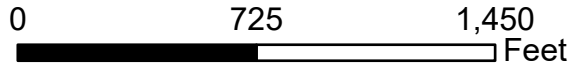
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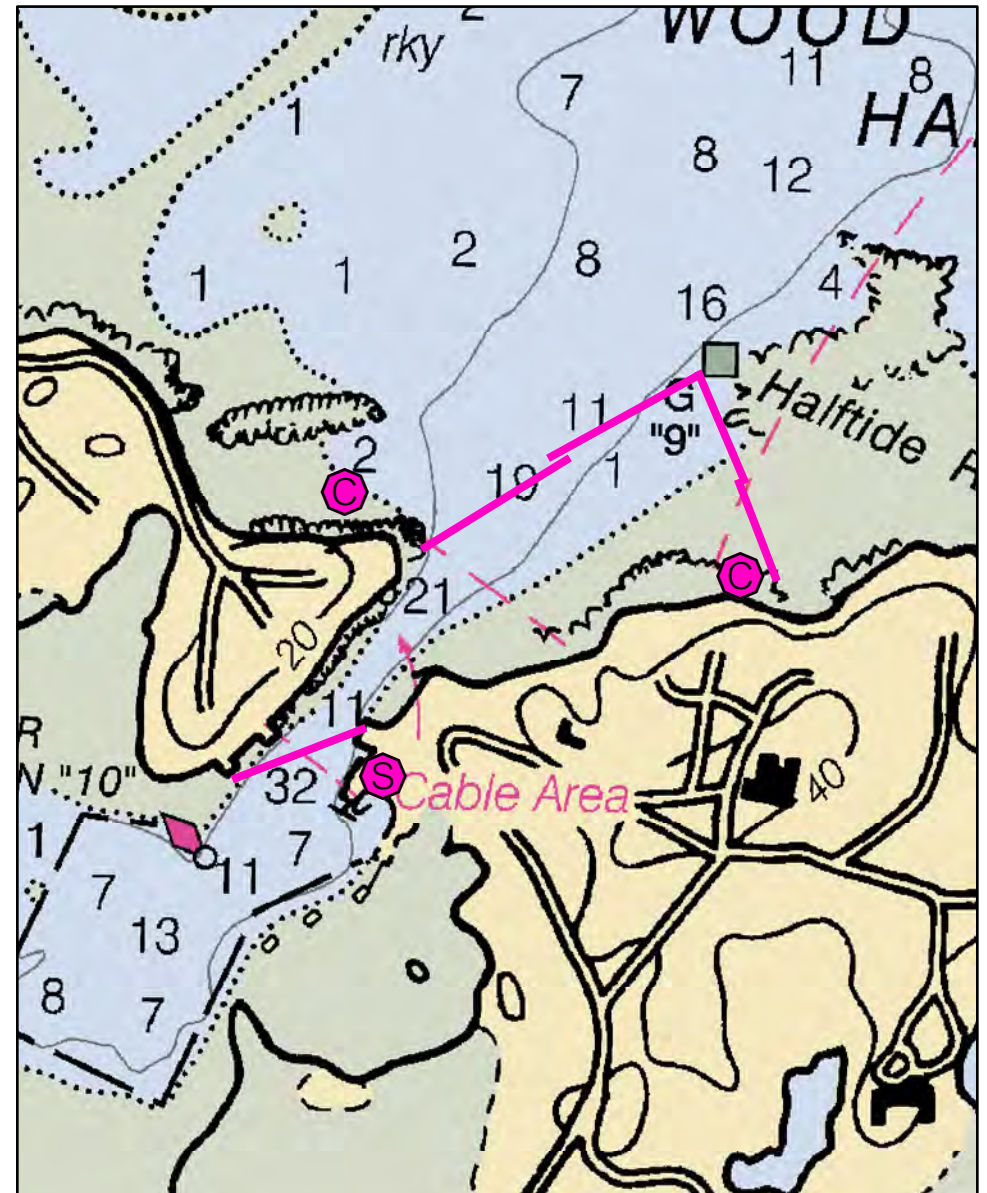
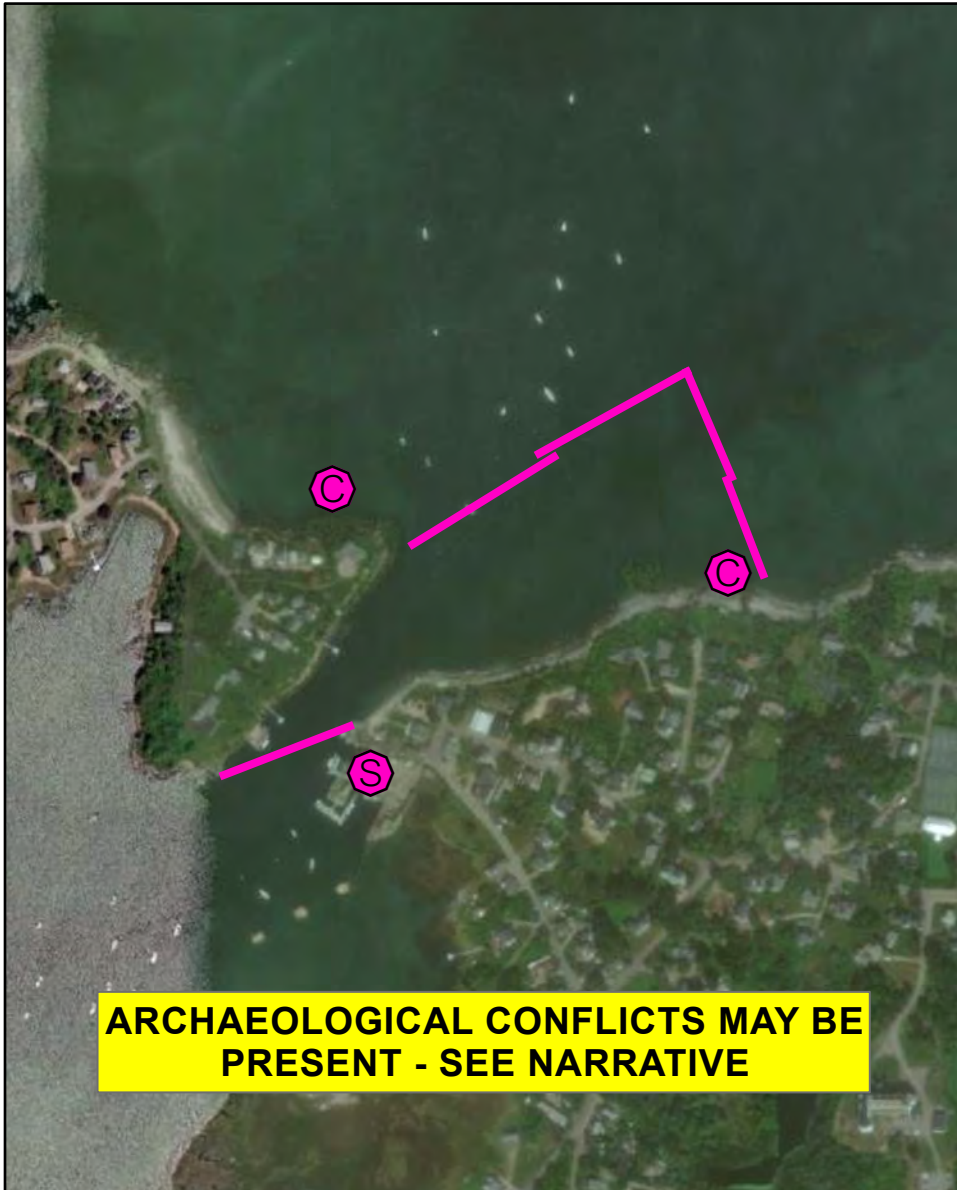
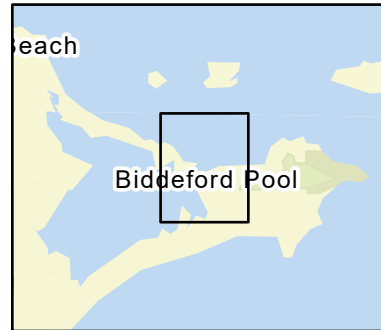
Last Field Test: 3/25/2010

A-42-1

Biddeford Pool Biddeford, ME



Date printed: 9/11/2022 7:04 PM



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

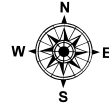
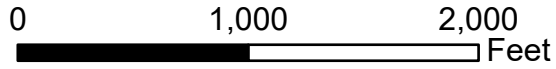
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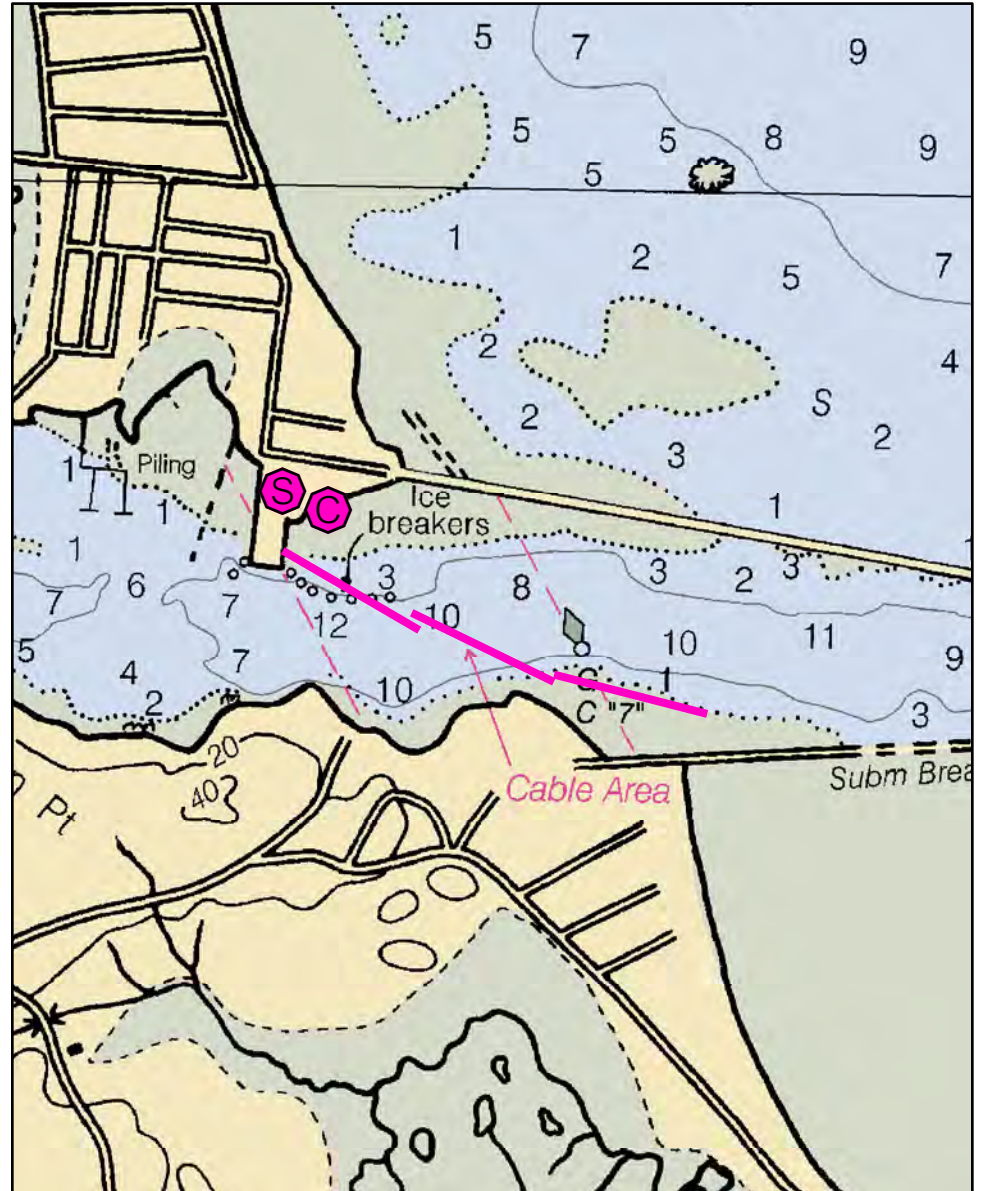
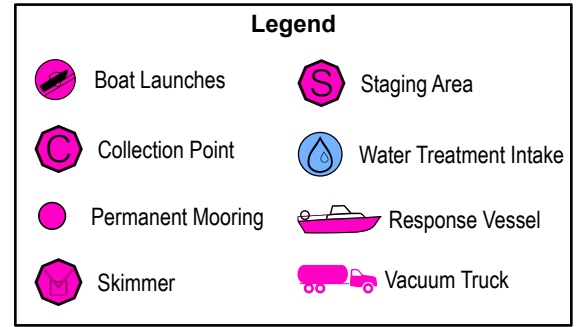
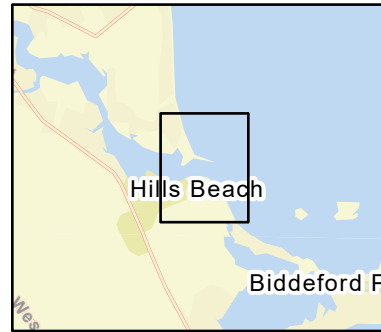
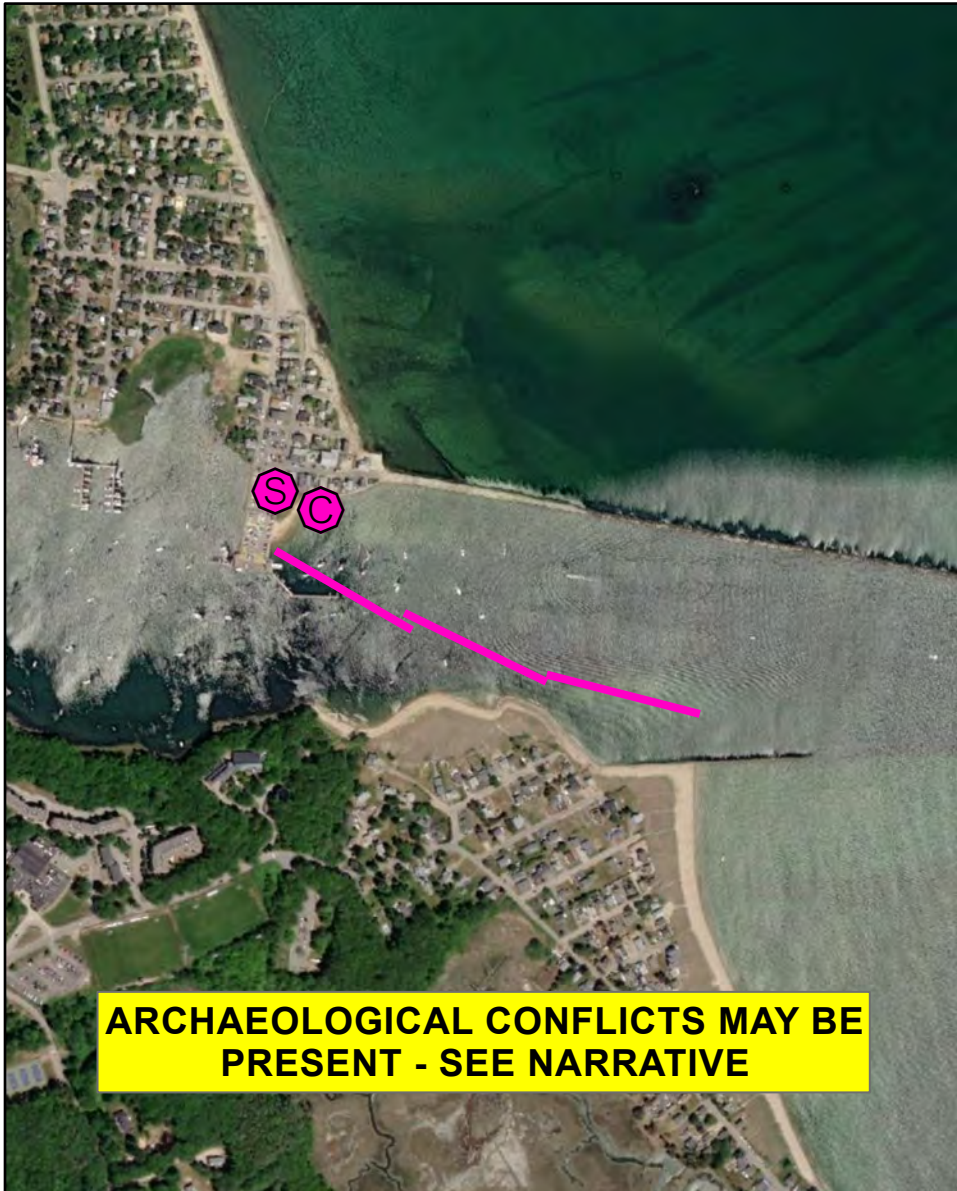
A-43-1

Saco River

Biddeford / Saco, ME



Date printed: 9/10/2022 7:50 PM



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

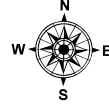
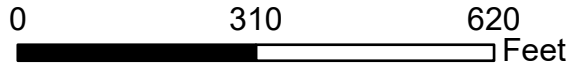
Last Field Visit: 5/27/2022

Last Field Test:

A-44-1

Goosefare Brook

Old Orchard Beach, ME



Date printed: 9/10/2022 7:50 PM

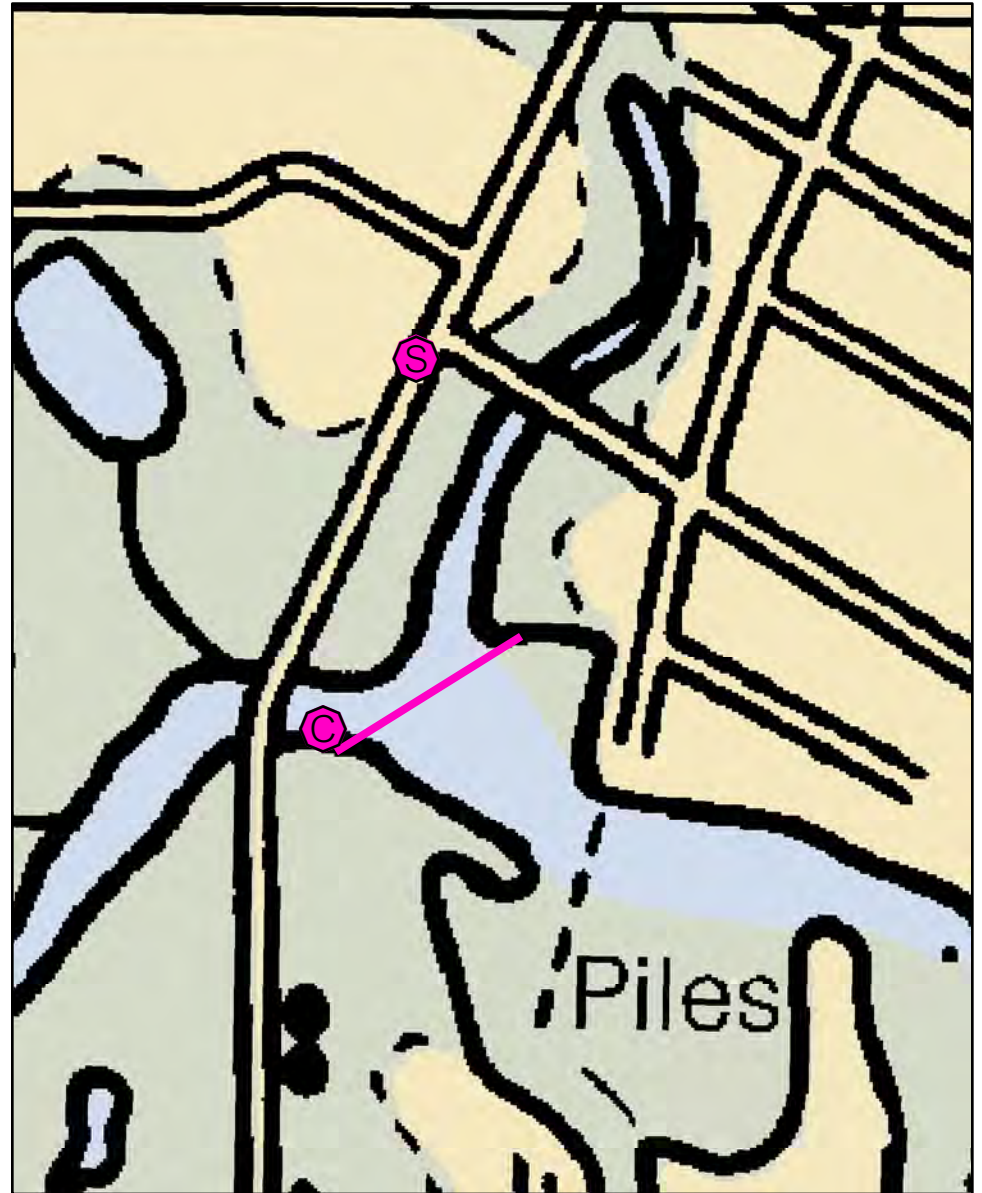


Legend

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



ENDANGERED SPECIES MAY BE PRESENT - SEE NARRATIVE



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.

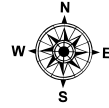
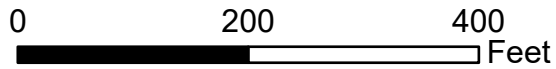
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A-BRWK

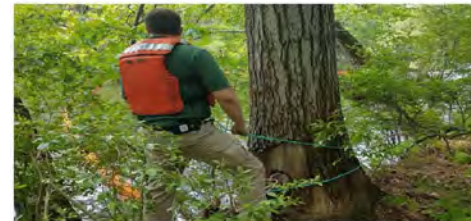
Berwick Water Treatment Plant Berwick, ME



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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



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.

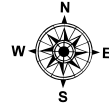
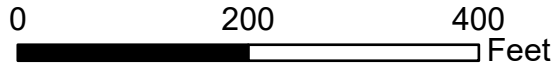
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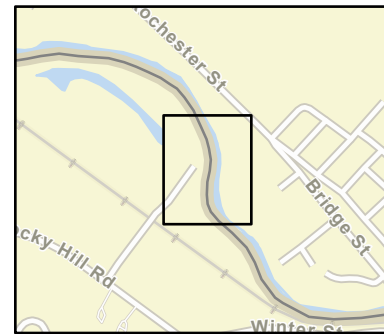
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A-SMRS

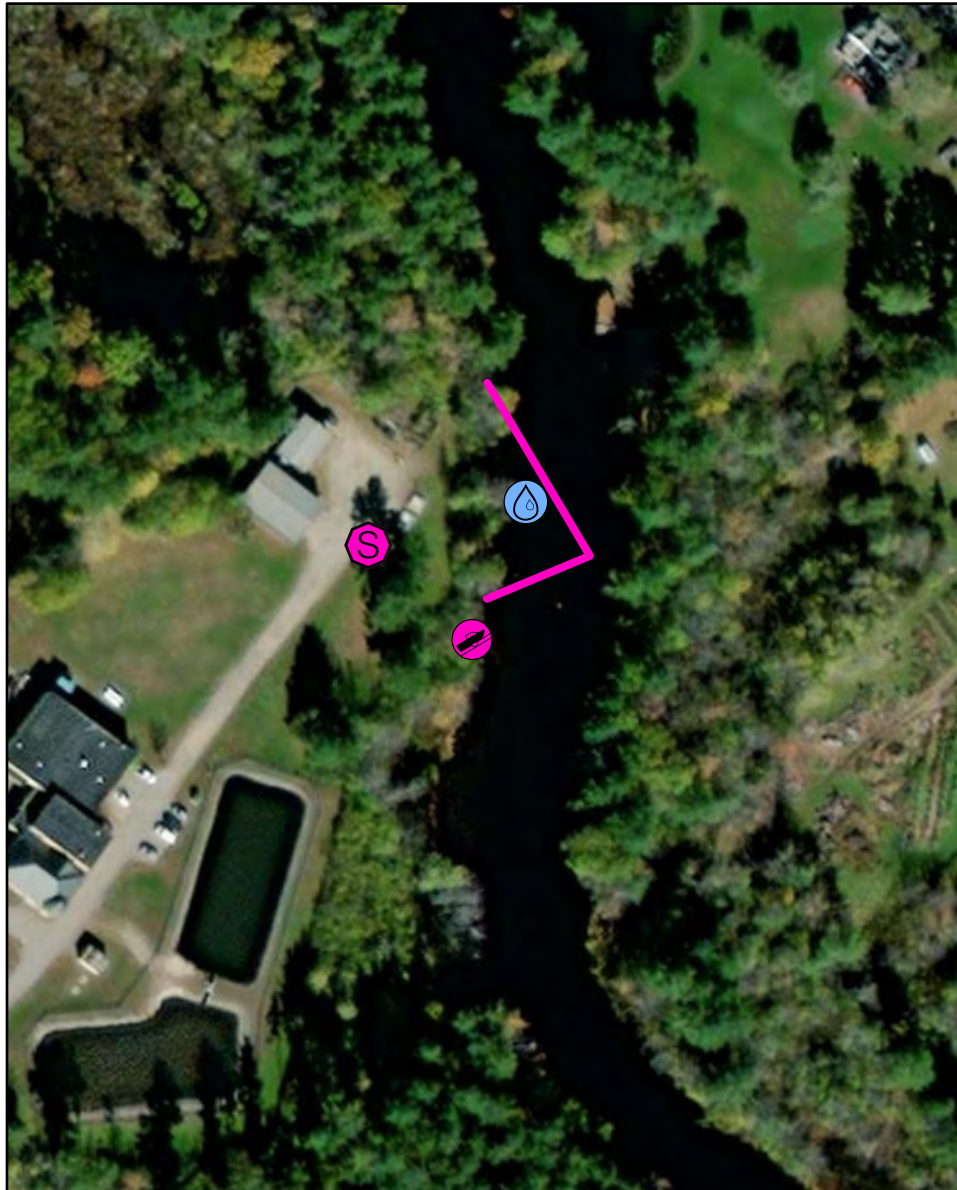
Somersworth Water Treatment Plant Somersworth, NH



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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)



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.

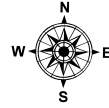
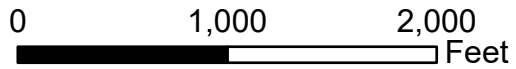
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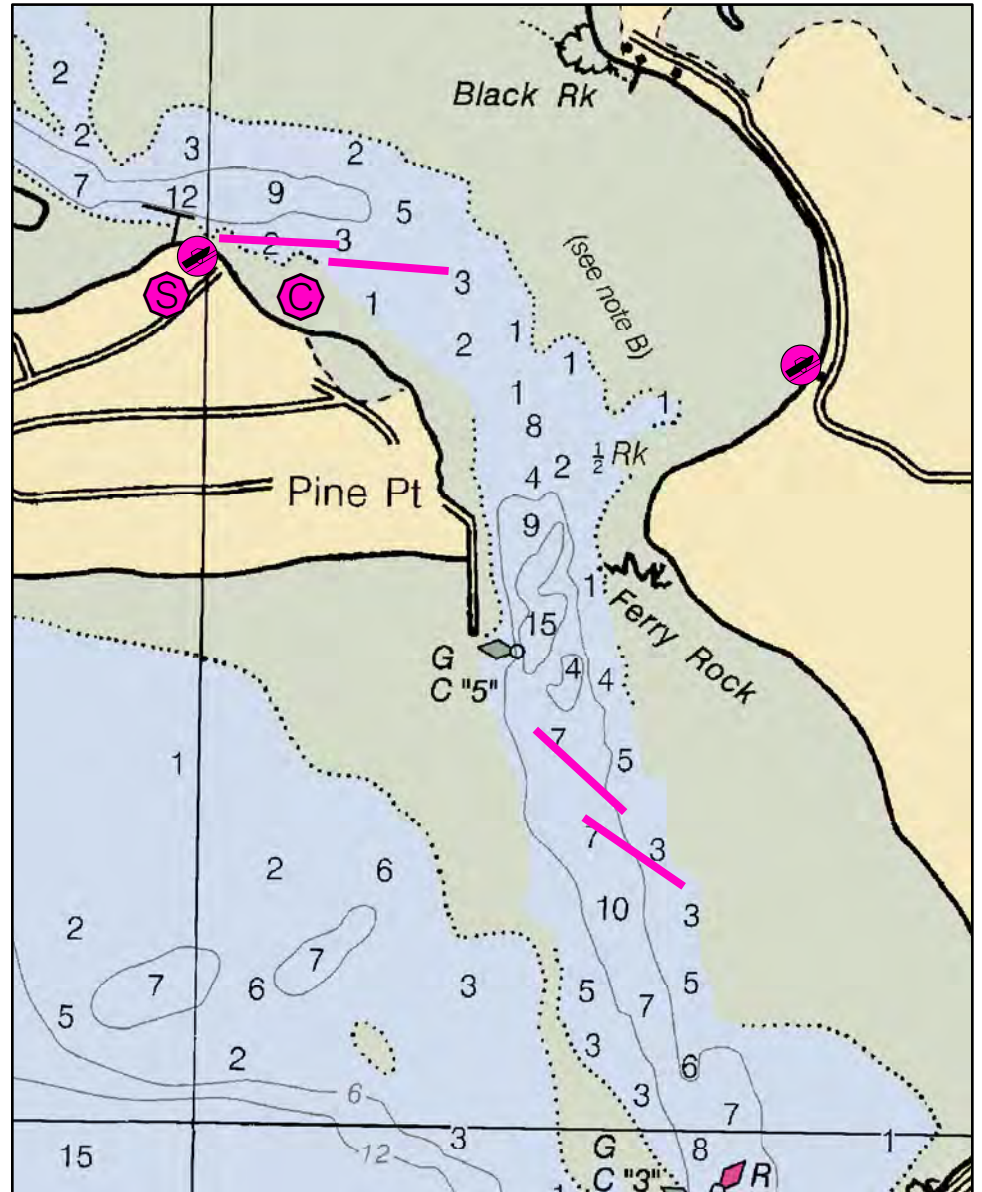
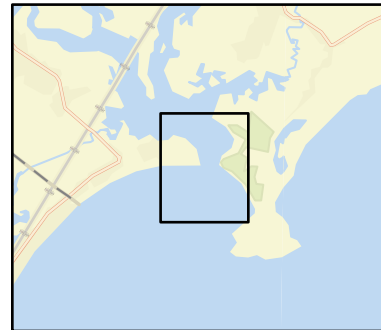
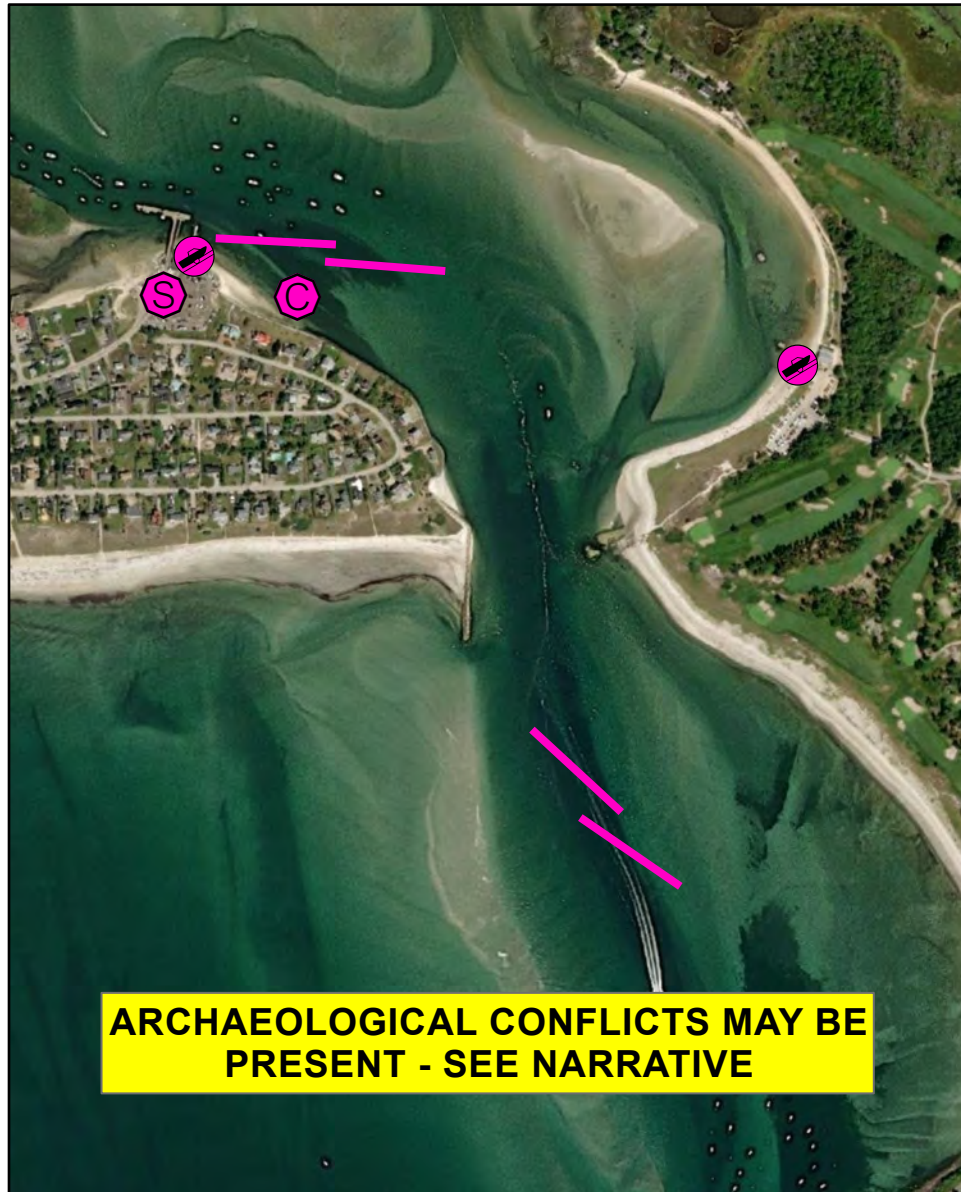
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B-01-1

Scarborough River Scarborough, ME



Date printed: 9/11/2022 7:05 PM



B-01-1 Scarborough River

Town Scarborough

Port Region Casco Bay

Latitude 43 32.481 N **Longitude** 70 19.656 W

NOAA Chart # 13287_1

Approx. Tidal Range (feet) 9

ESI Map # 50D

Max Current (knots) **Flood** 1.1 **Ebb** 1.3

EVI Map # 10

Source Measured

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.

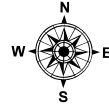
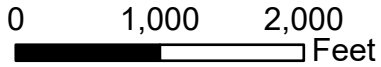
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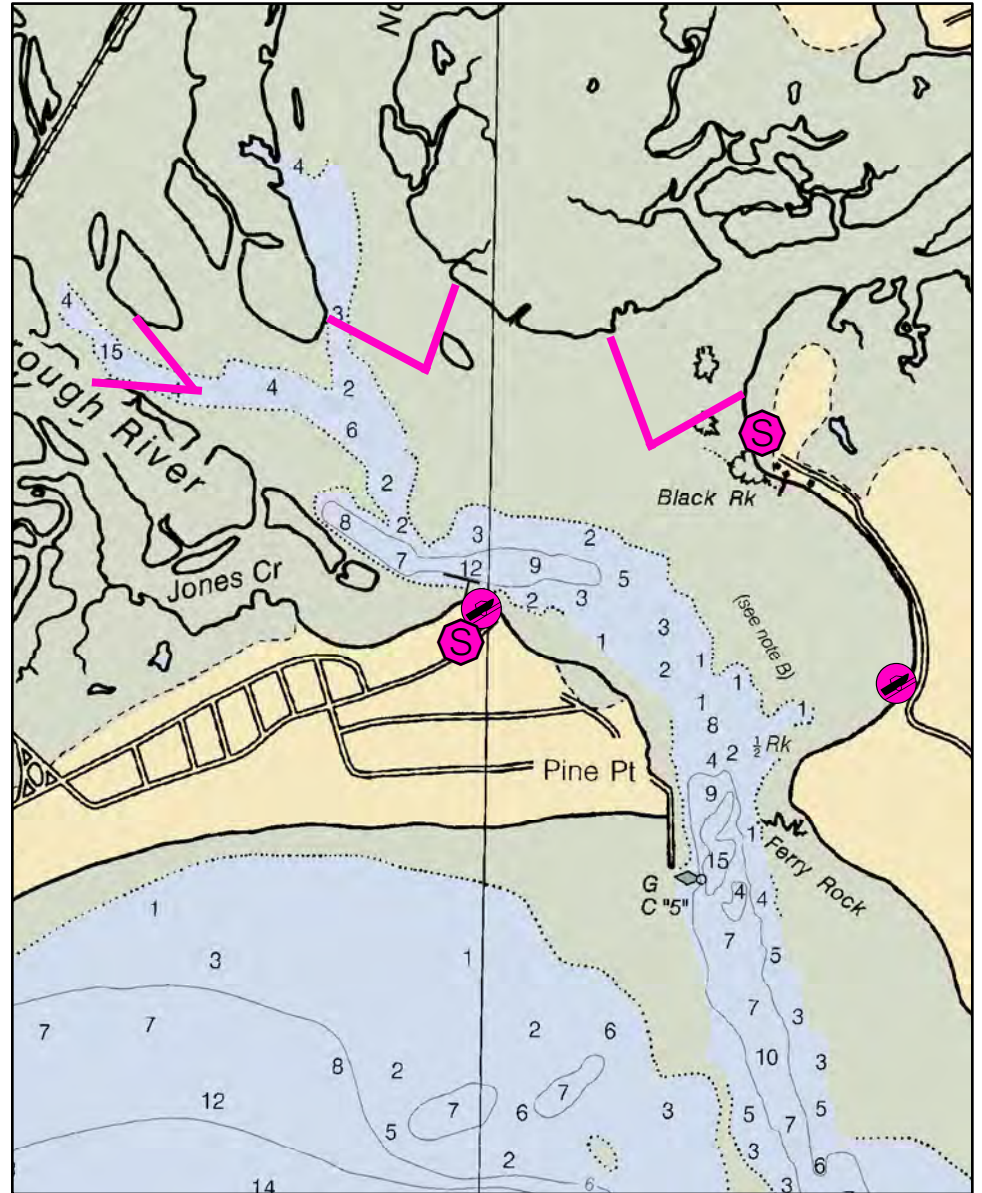
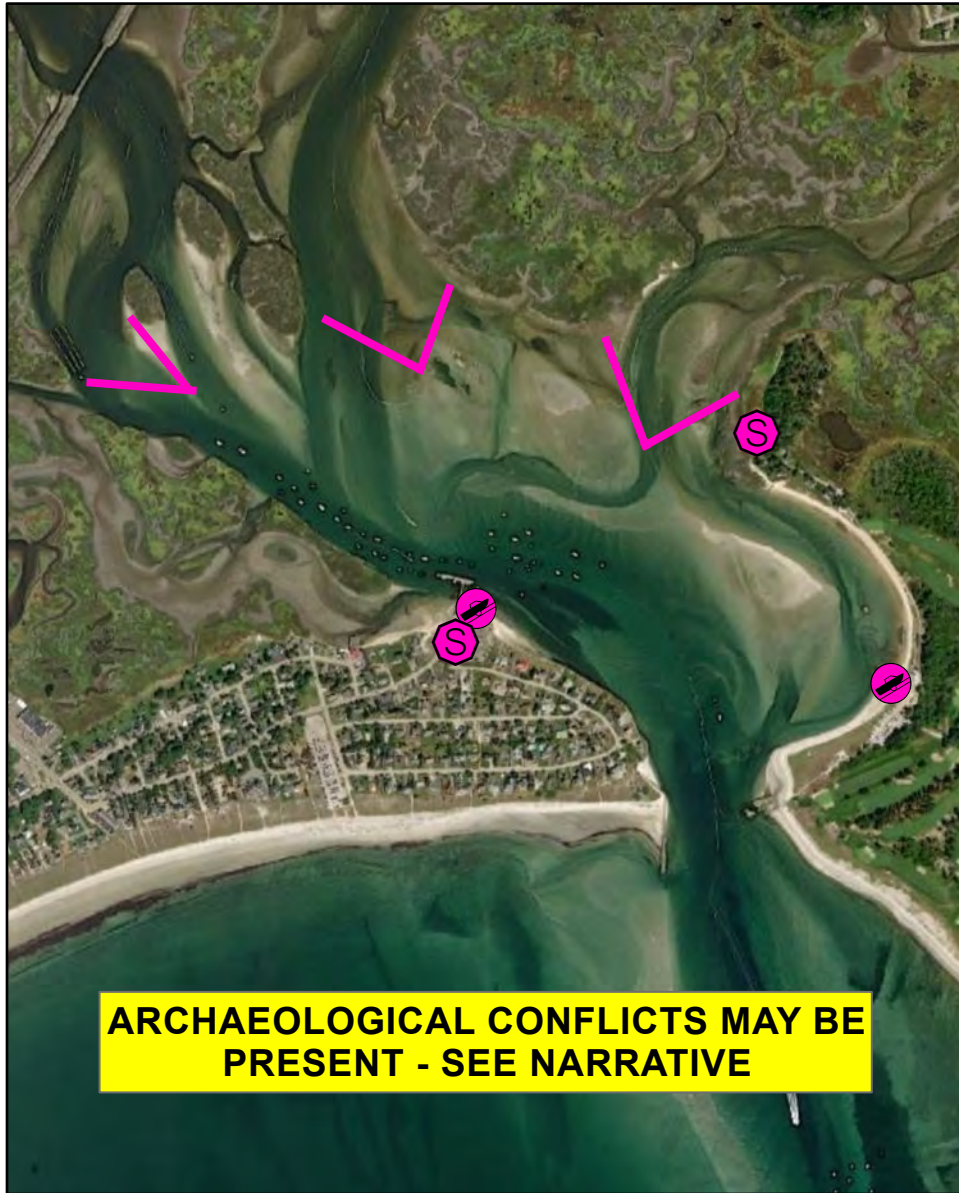
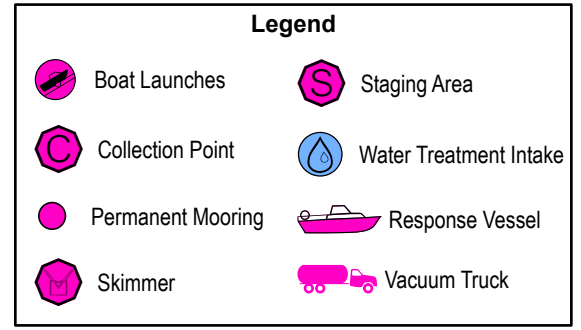
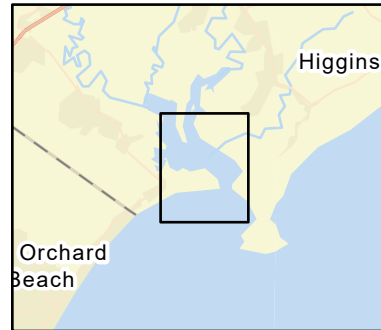
Last Field Test: 10/4/2012

B-01-2

Scarborough River - Secondary strategies Scarborough, ME



Date printed: 9/12/2022 10:06 AM



B-01-2 Scarborough River - Secondary strategies

Town	Scarborough	Port Region	Casco Bay
Latitude	43 32.786	Longitude	-70 20.152
Approx. Tidal Range (feet)	9	NOAA Chart #	13287_1
Max Current (knots)	Flood	ESI Map #	50D
Source	Ebb	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

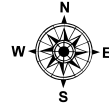
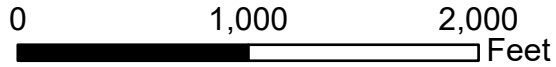
Last Field Visit

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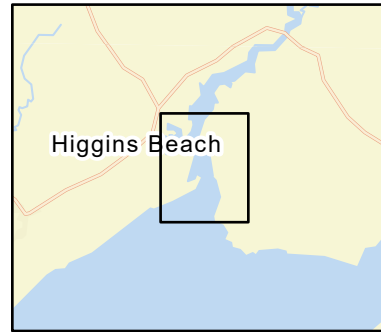
B-02-1

Spurwink River

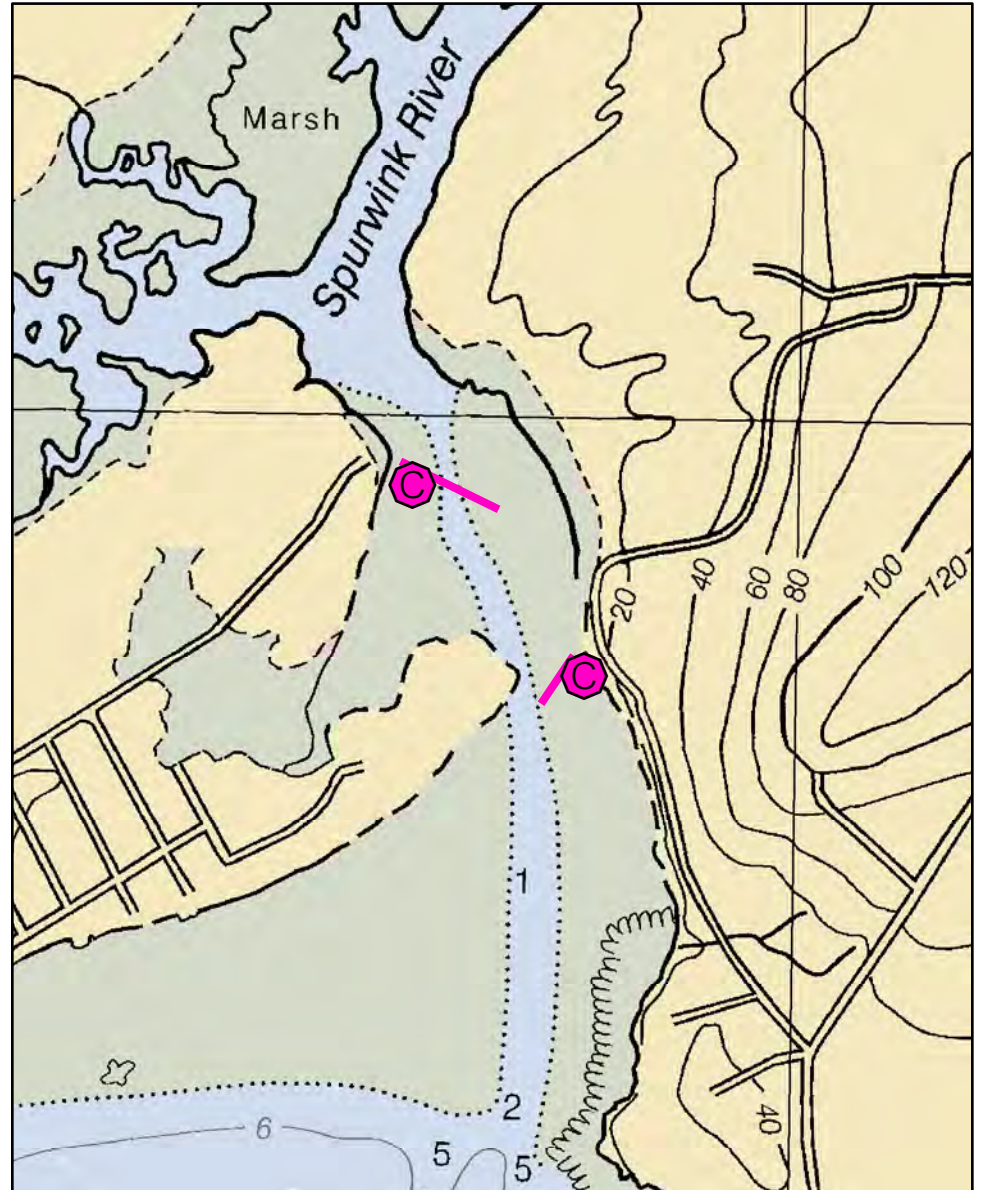
Scarborough / Cape Elizabeth, ME



Date printed: 9/11/2022 6:57 AM



ARCHAEOLOGICAL CONFLICTS MAY BE PRESENT - SEE NARRATIVE



B-02-1 Spurwink River

Town	Scarborough / Cape Elizabeth	Port Region	Casco Bay
Latitude	43° 33.702' N	Longitude	-70° 15.972' W
Approx. Tidal Range (feet)	9	NOAA Chart #	13292_1
Max Current (knots)	Flood 1 -2 knots	ESI Map #	50D
Source	Ebb	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

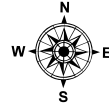
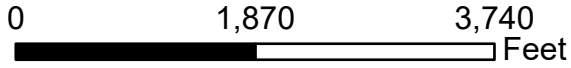
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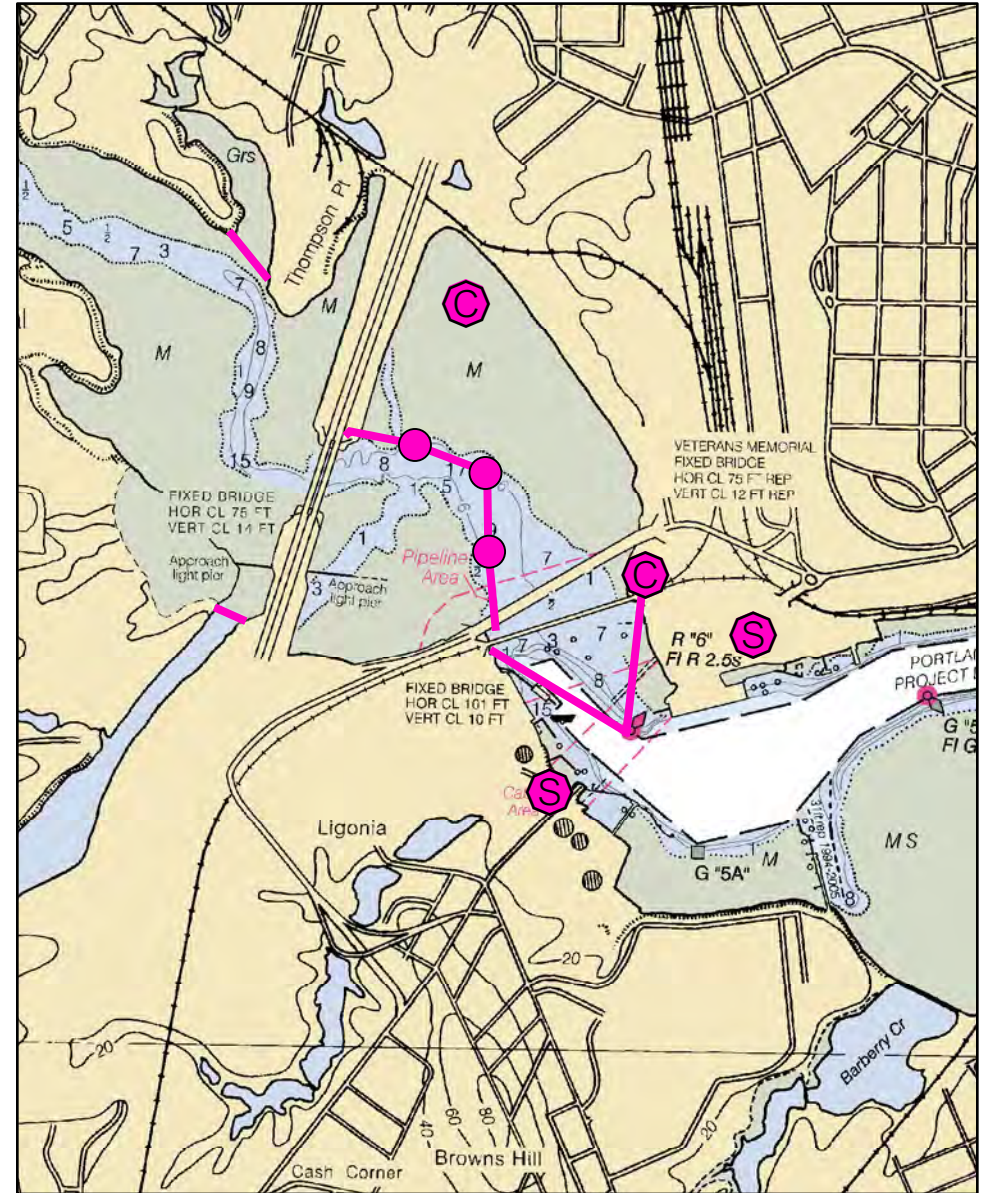
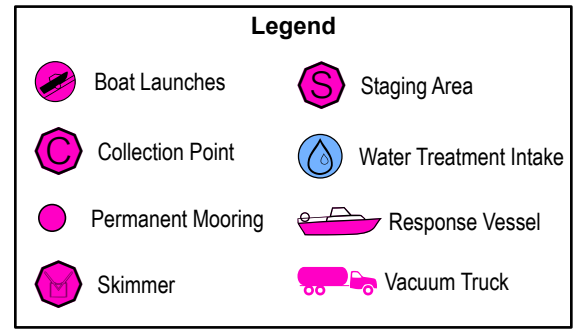
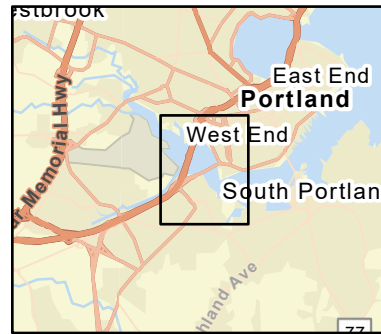
B-03-1

Fore River

Portland / South Portland, ME



Date printed: 9/11/2022 6:57 AM



B-03-1 Fore River

Town South Portland / Portland

Port Region Casco Bay

Latitude 43° 38.633' N **Longitude** -70° 17.191' W

NOAA Chart # 13292_1

Approx. Tidal Range (feet) 9

ESI Map # 50B

Max Current (knots) **Flood** 1.1 **Ebb**

EVI Map # 12, 11

Source Measured

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

- 2 - workboats with minimum 90 hp
- 2 - boat operators
- 4 - laborers

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

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

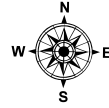
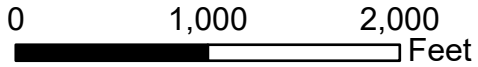
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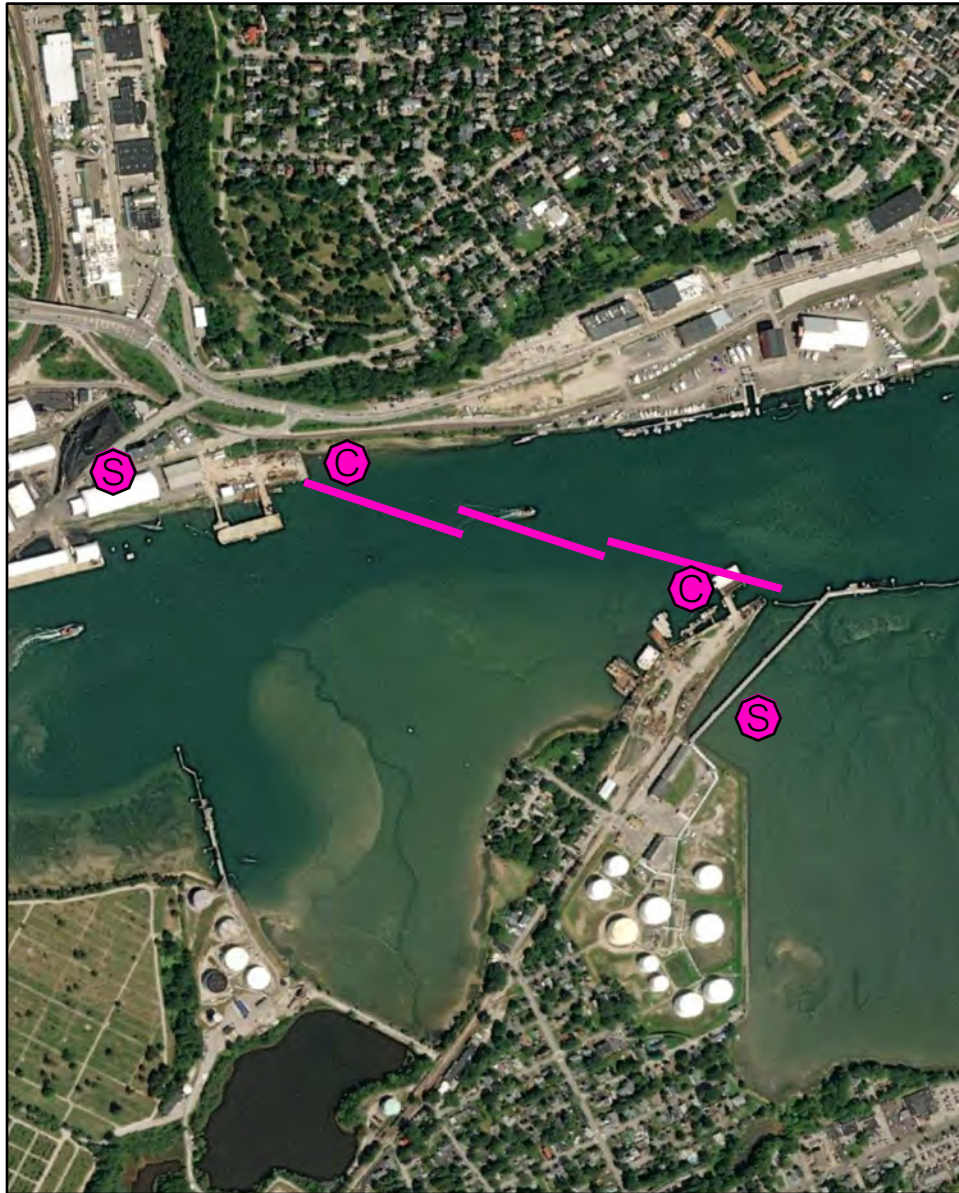
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B-03-2

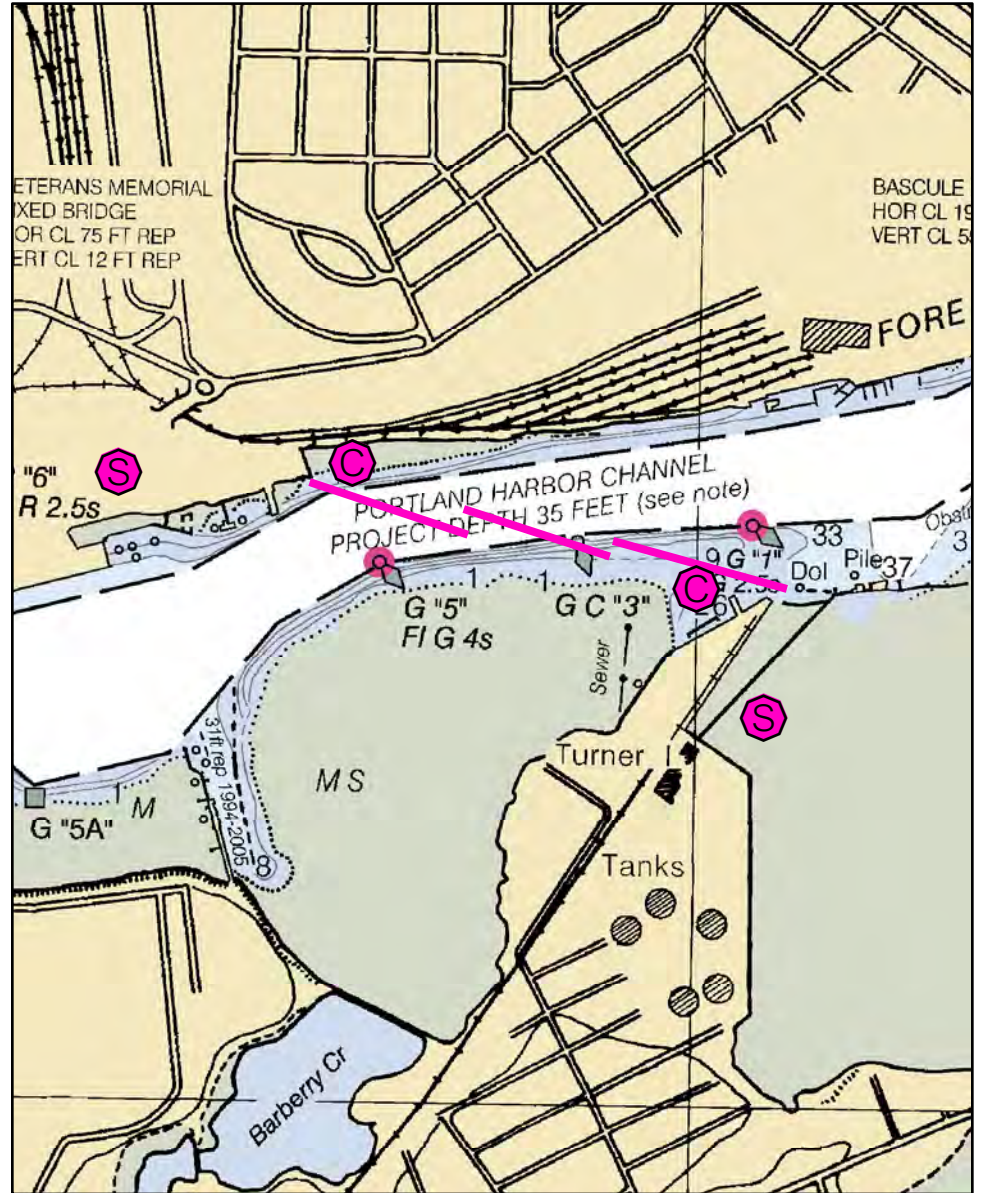
Fore River at Turners Island Portland / South Portland, ME



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



B-03-2 Fore River at Turners Island

Town	Portland / South Portland	Port Region	Casco Bay
Latitude	43° 38.501 N	Longitude	70° 16.203 W
Approx. Tidal Range (feet)	9	NOAA Chart #	13292_1
Max Current (knots)	Flood 0.3	ESI Map #	50B
	Ebb 0.7 kts	EVI Map #	12, 11
Source	Measured	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

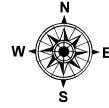
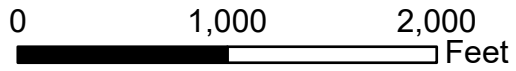
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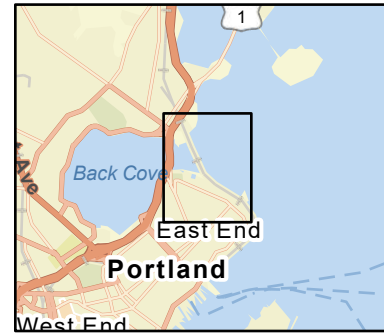
B-04-1

Back Cove

Portland, ME

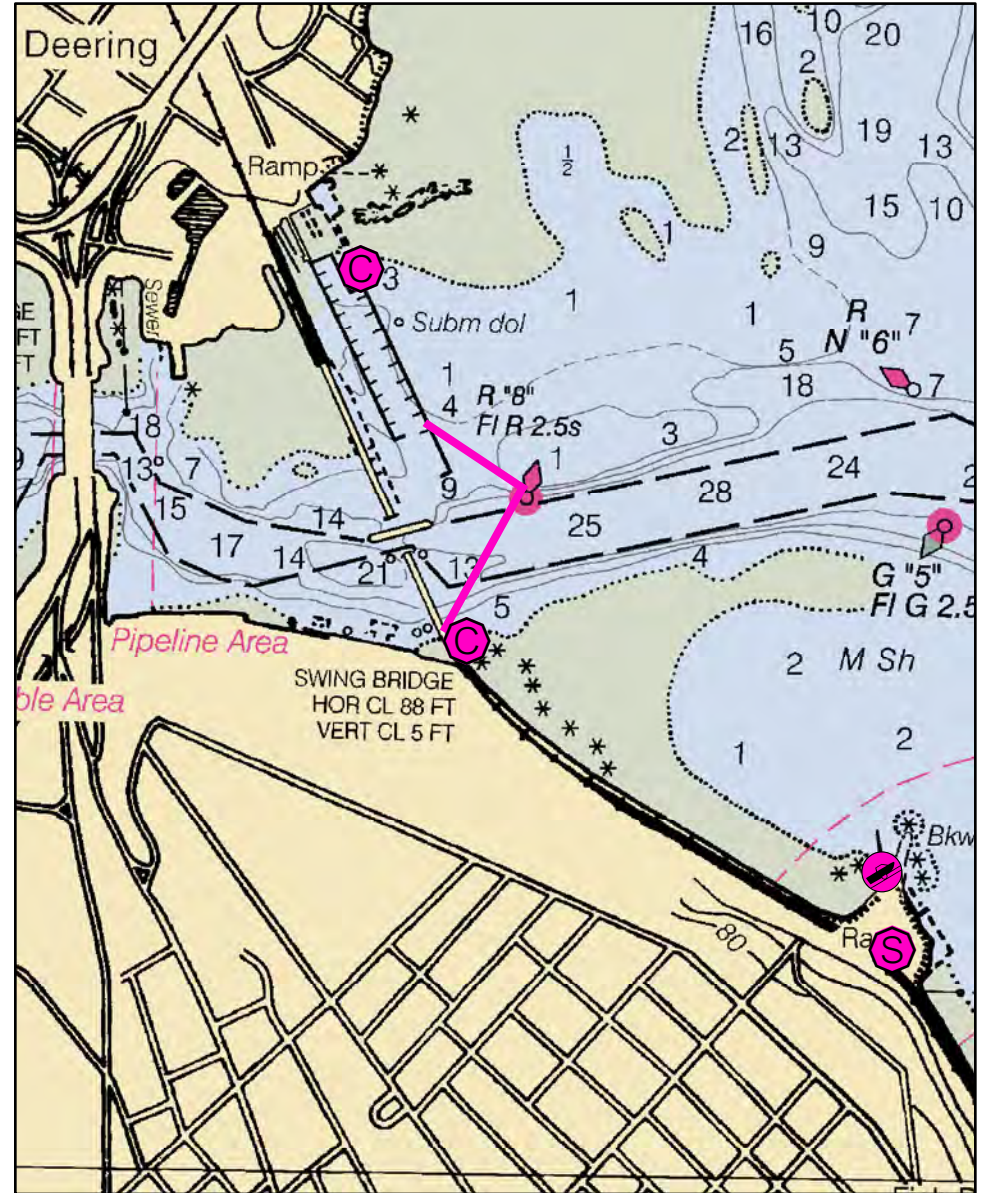


Date printed: 9/11/2022 7:12 AM



Legend

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



B-04-1 Back Cove

Town	Portland	Port Region	Casco Bay
Latitude	43° 40.537' N	Longitude	70° 14.918' W
Approx. Tidal Range (feet)	9	NOAA Chart #	13292_1
Max Current (knots)	Flood 0.7	ESI Map #	50B, 50A
	Ebb	EVI Map #	12
Source	Measured	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

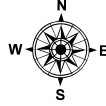
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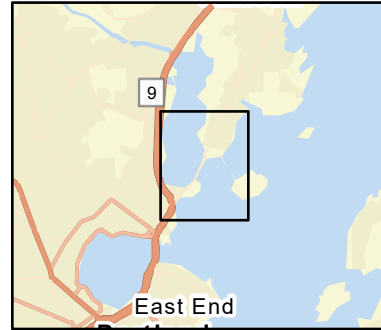
B-05-1

Presumpscot River Portland / Falmouth, ME

0 1,000 2,000
Feet

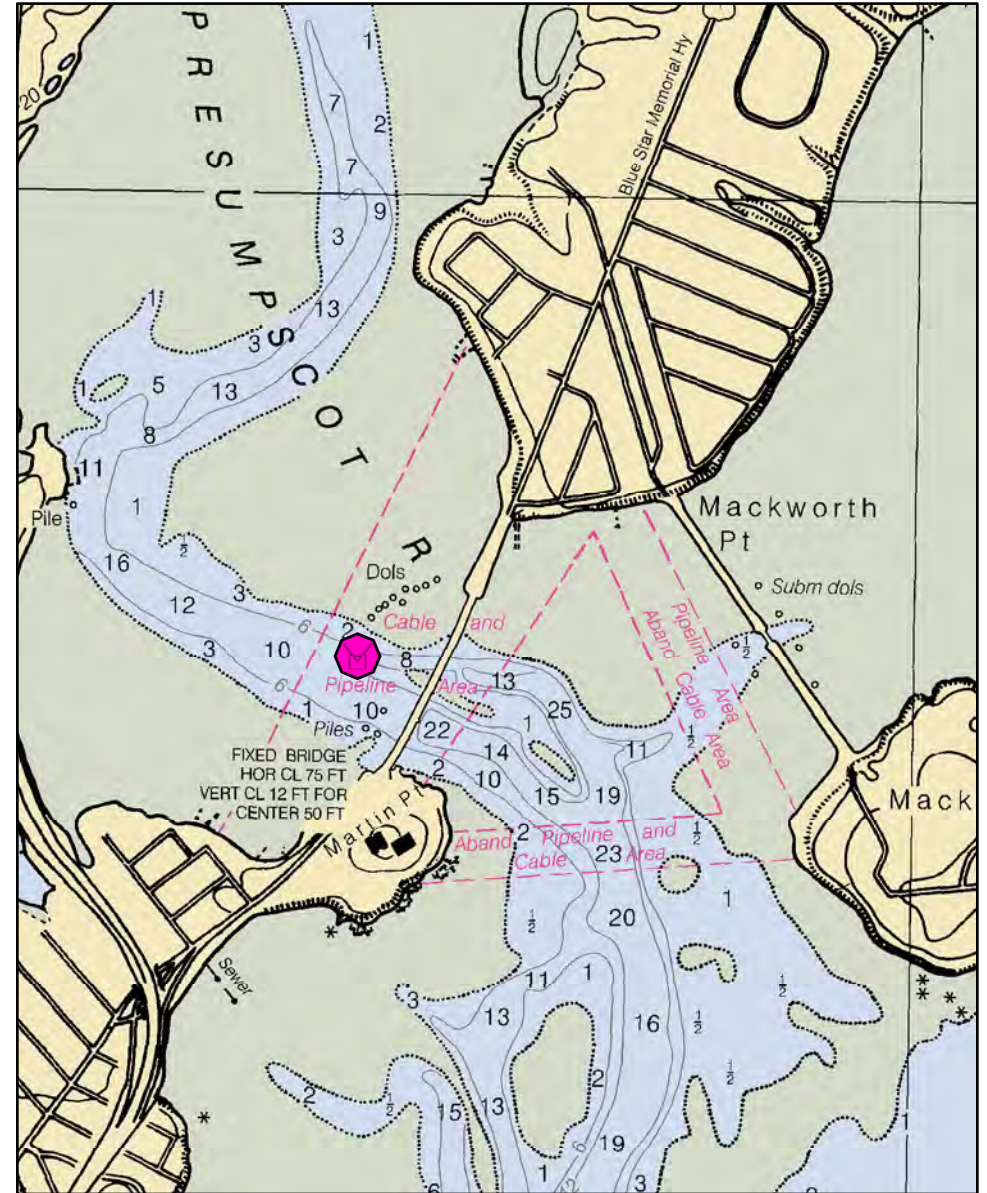
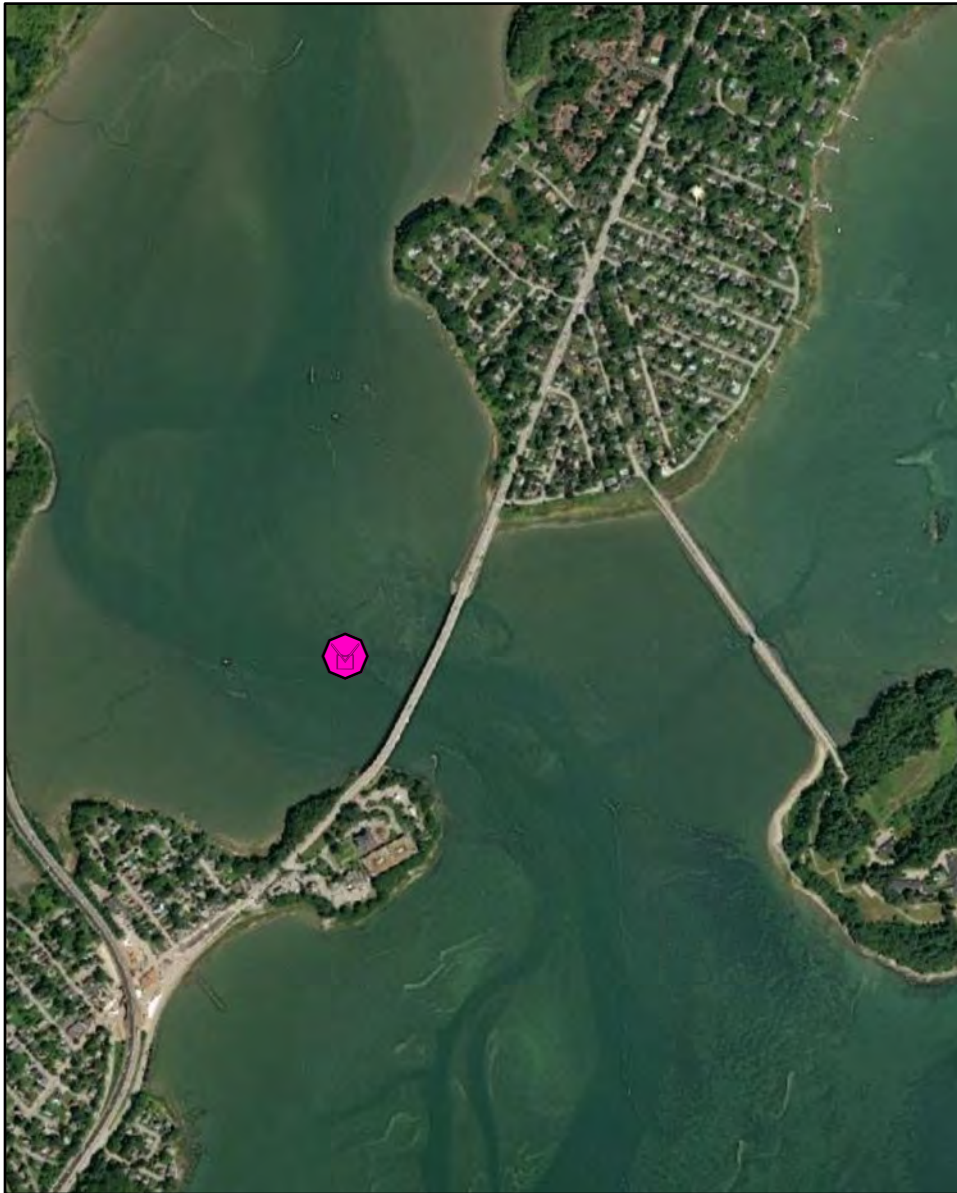


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Legend

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



B-05-1 Presumpscot River

Town Portland / Falmouth

Port Region Casco Bay

Latitude **Longitude**

NOAA Chart # 13292_1

Approx. Tidal Range (feet) 9

ESI Map # 48B, 50A, 50B

Max Current (knots) **Flood** > 2 knots **Ebb**

EVI Map # 12

Source **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.

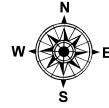
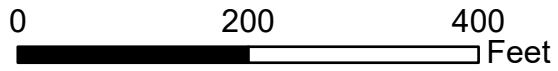
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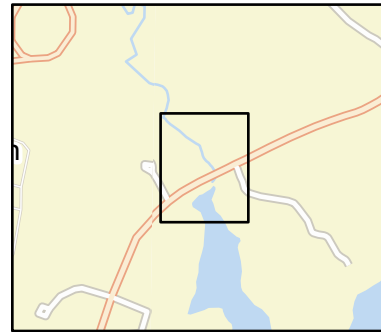
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B-06-1

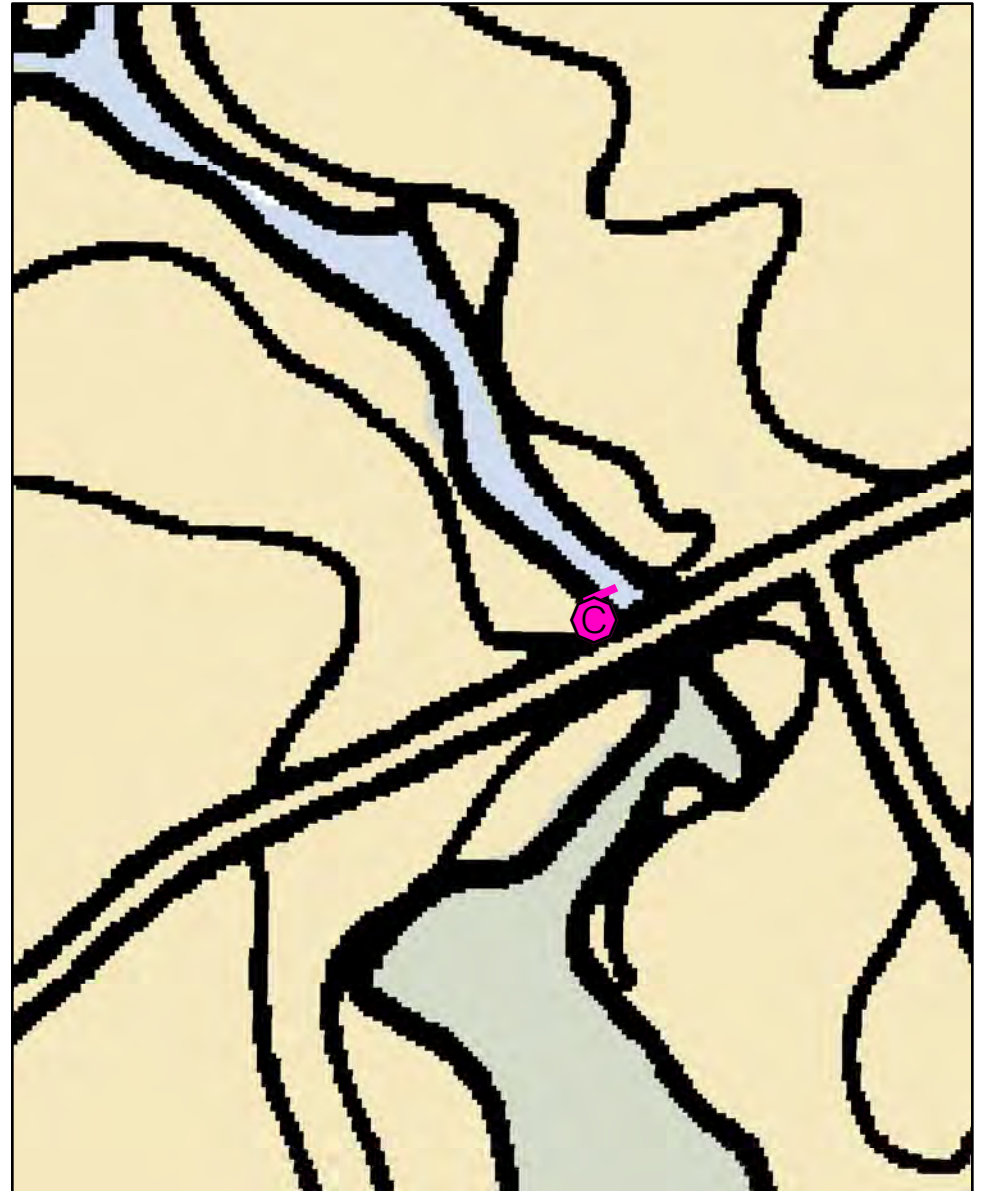
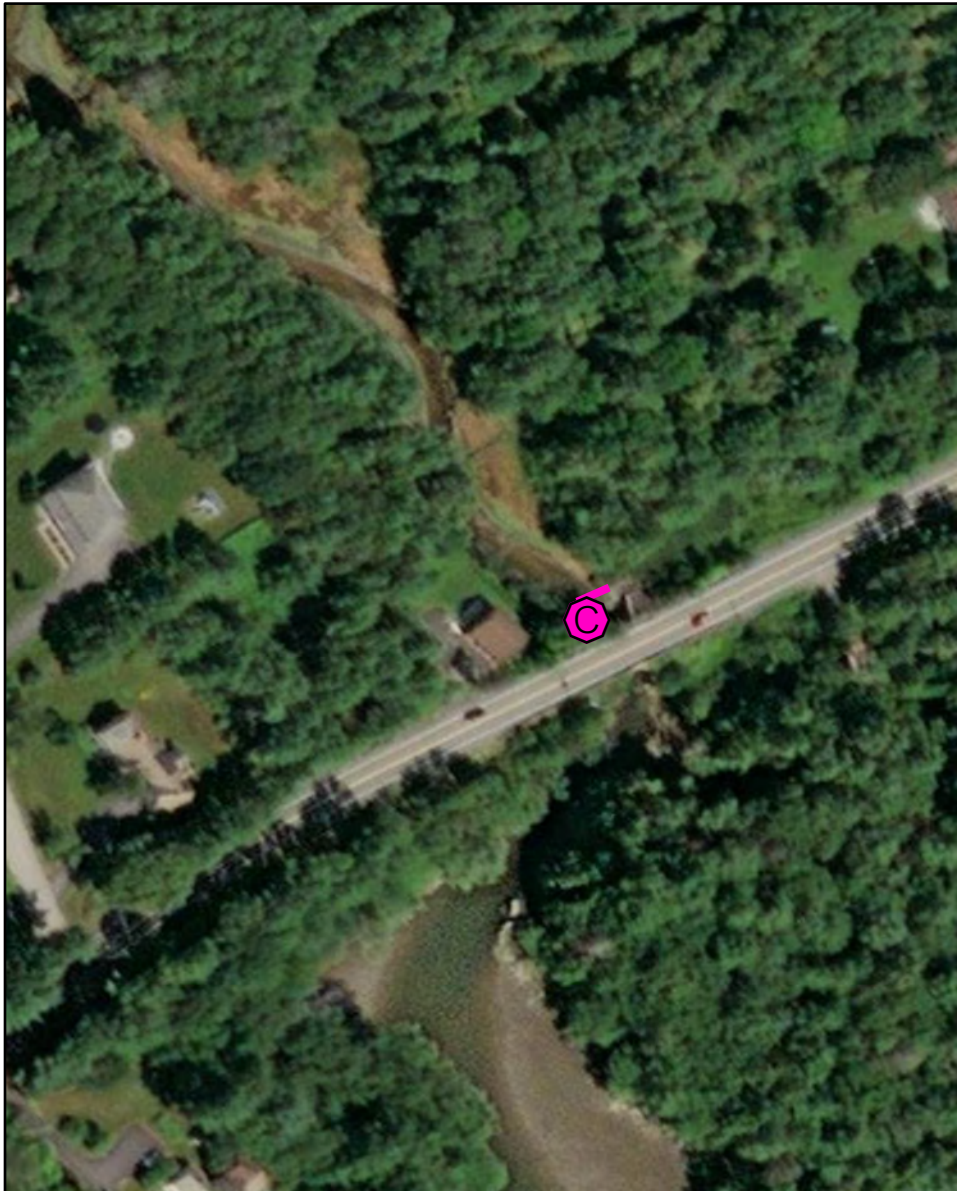
Mill Creek / Mussel Cove Falmouth, ME



Date printed: 9/11/2022 7:12 AM



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



B-06-1 Mill Creek / Mussel Cove

Town Falmouth

Port Region Casco Bay

Latitude 43° 43.511' N **Longitude** -70° 13.348' W

NOAA Chart # 13292_1

Approx. Tidal Range (feet) 9

ESI Map # 48B

Max Current (knots) Flood Ebb

EVI Map # 12

Source **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

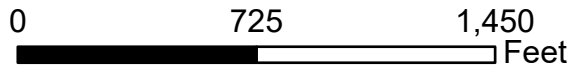
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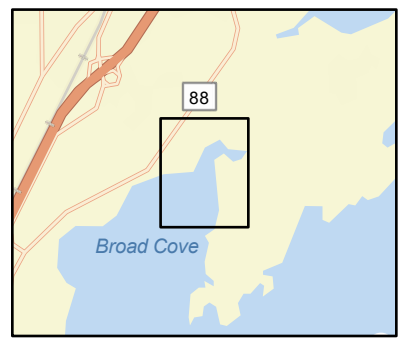
B-07-1

Broad Cove

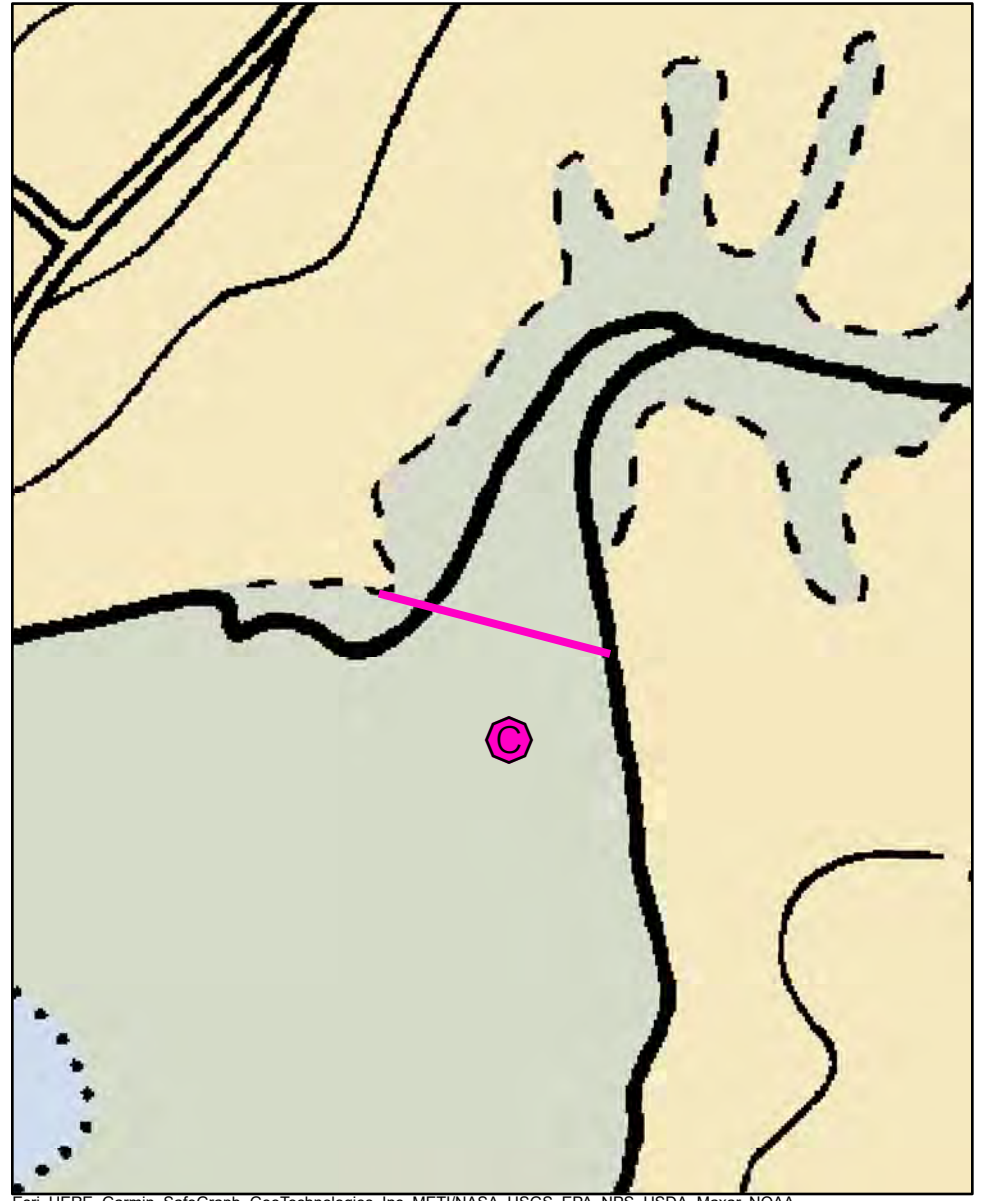
Cumberland / Yarmouth, ME



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



B-07-1 Broad Cove

Town Cumberland / Yarmouth

Port Region Casco Bay

Latitude 43 45.323 N **Longitude** 70 11.044 W

NOAA Chart # 13290_1

Approx. Tidal Range (feet) 9

ESI Map # 47D, 48B

Max Current (knots) **Flood** < 1 knot **Ebb**

EVI Map # 13, 12

Source estimated

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.

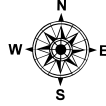
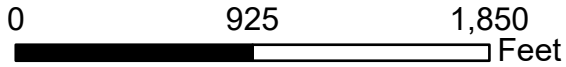
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Last Field Visit 8/27/2010

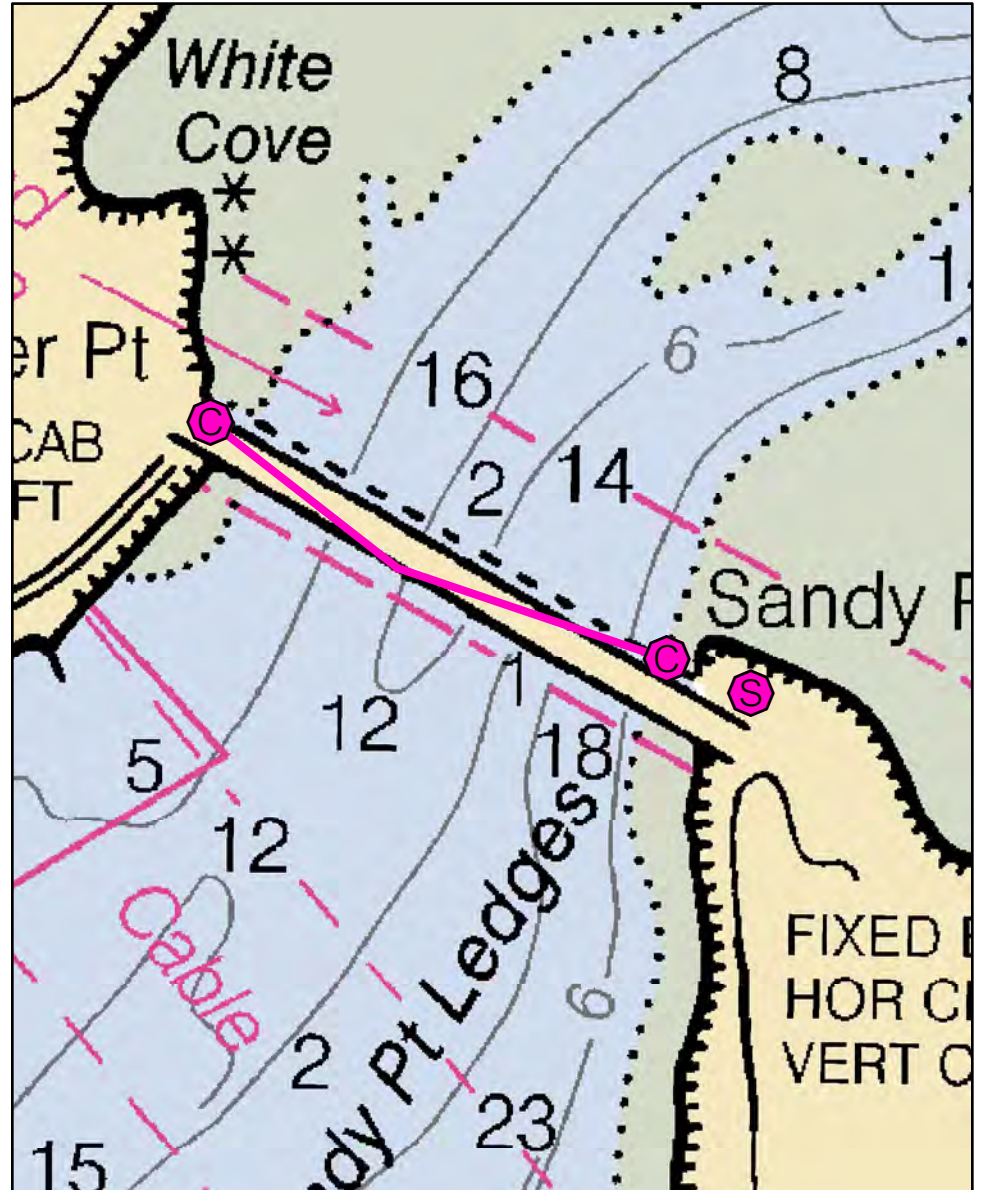
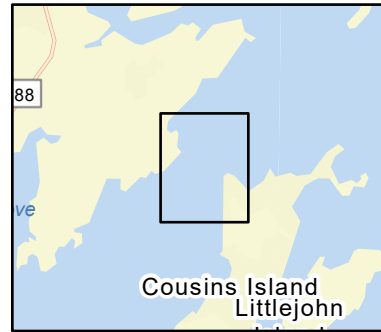
Last Field Test:

B-08-1

Cousins Island Causeway Yarmouth, ME



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B-08-1 Cousins Island Causeway

Town	Yarmouth	Port Region	Casco Bay
Latitude	43° 46.466' N	Longitude	-70° 9.015' W
Approx. Tidal Range (feet)	9	NOAA Chart #	13290_1
Max Current (knots)	Flood < 1 kt	ESI Map #	47D
	Ebb < 1 kt	EVI Map #	13
Source	Measured	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

Town	Yarmouth	Port Region	Casco Bay
Latitude	43° 45.228' N	Longitude	-70° 8.234' W
Approx. Tidal Range (feet)	9	NOAA Chart #	13292_1
Max Current (knots)	Flood < 1 knot	ESI Map #	47D
Source	Ebb	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 Chebeague 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.

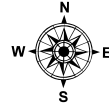
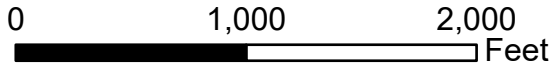
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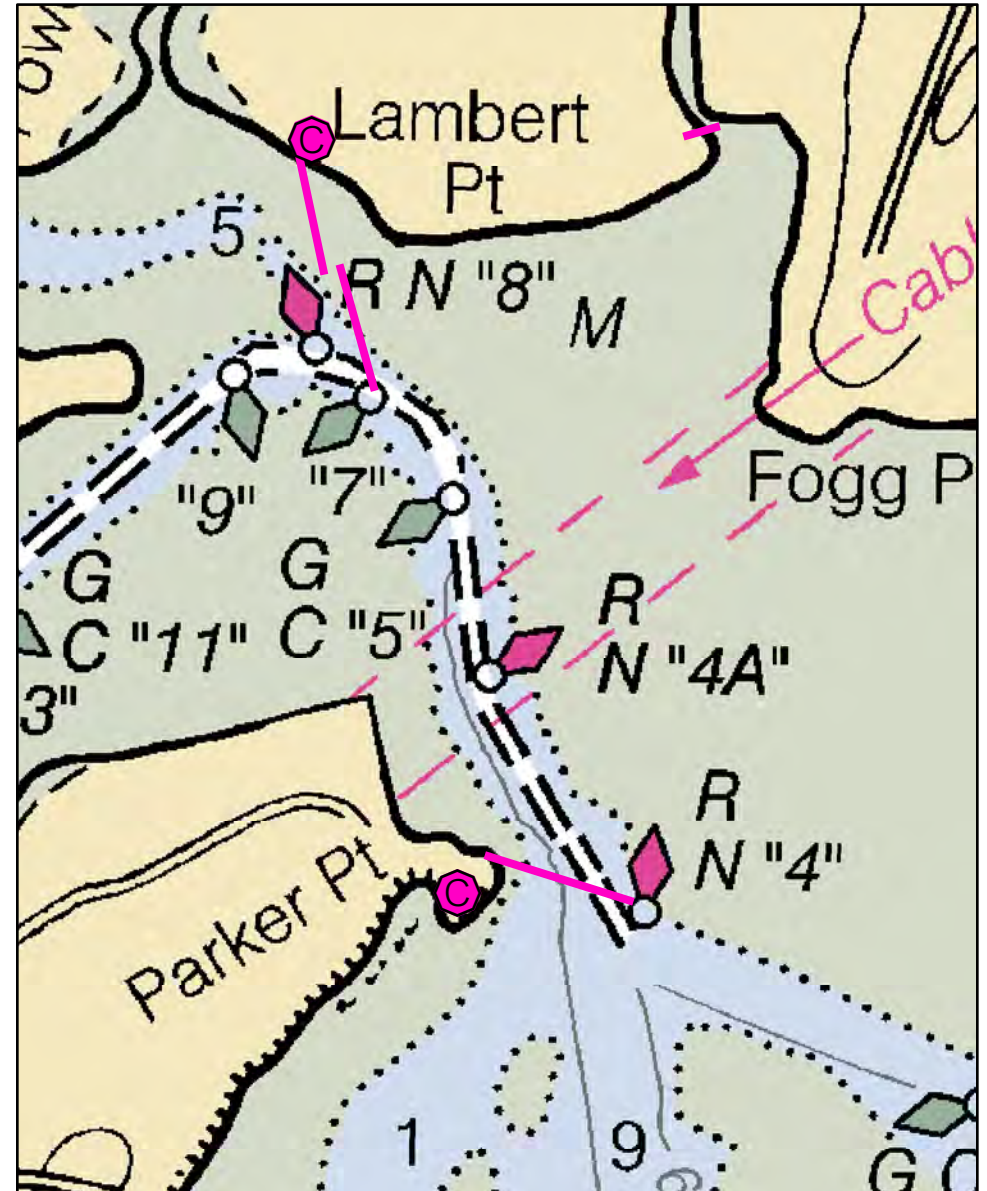
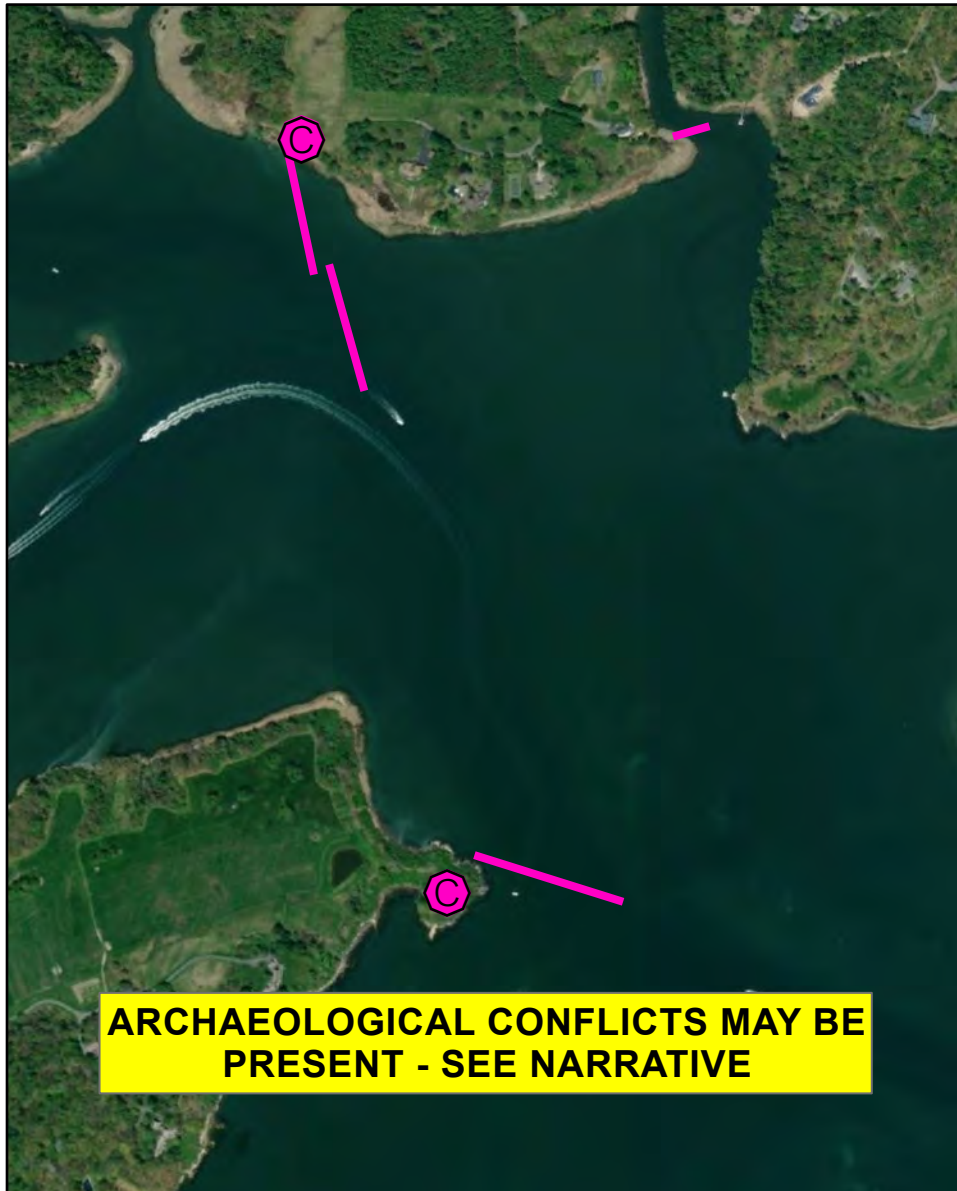
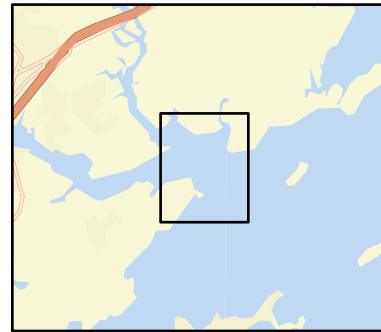
Last Field Test:

B-10-1

Cousins & Royal Rivers Yarmouth / Freeport, ME



Date printed: 9/11/2022 7:15 AM



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.

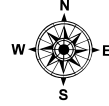
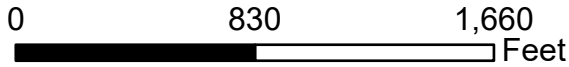
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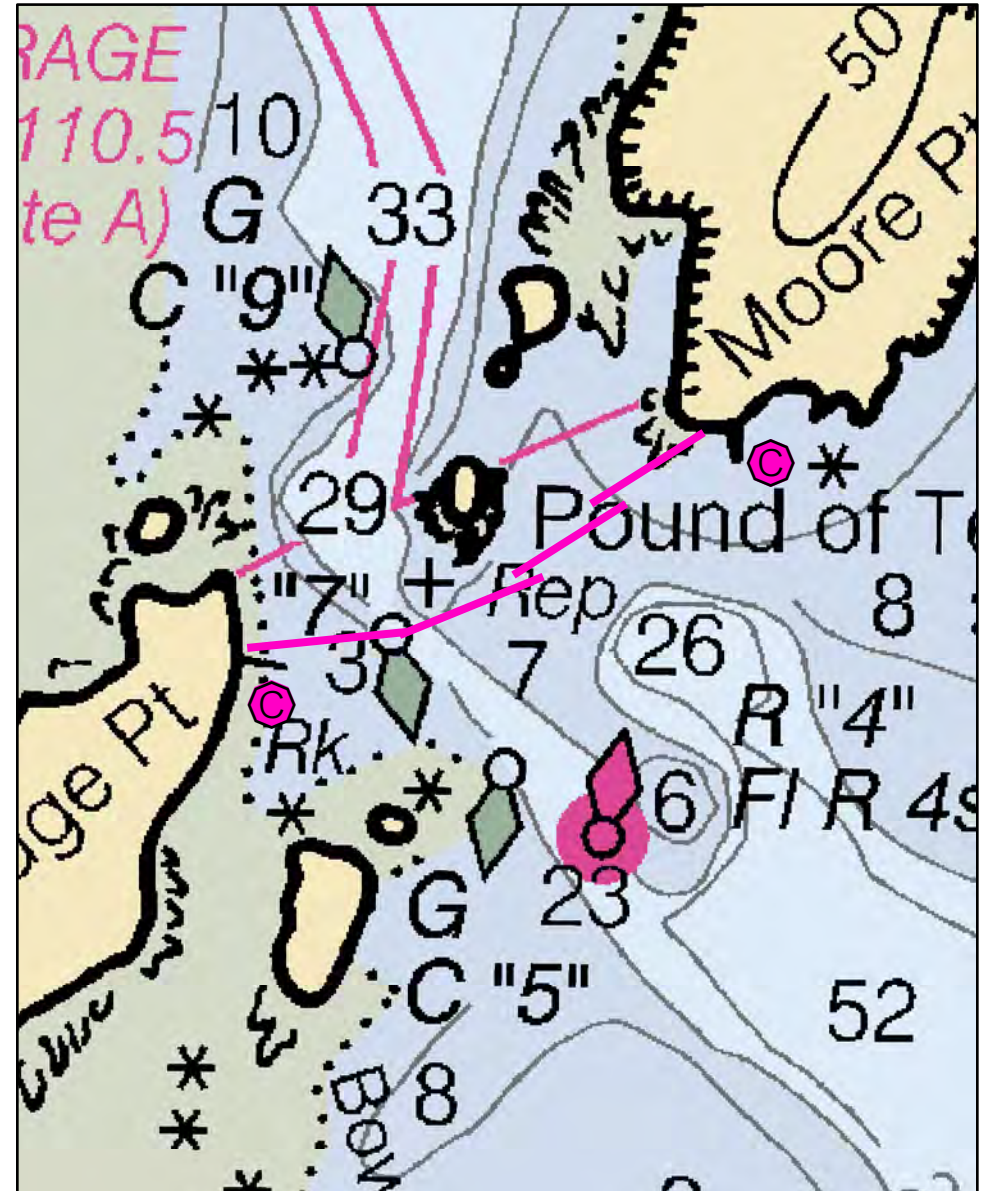
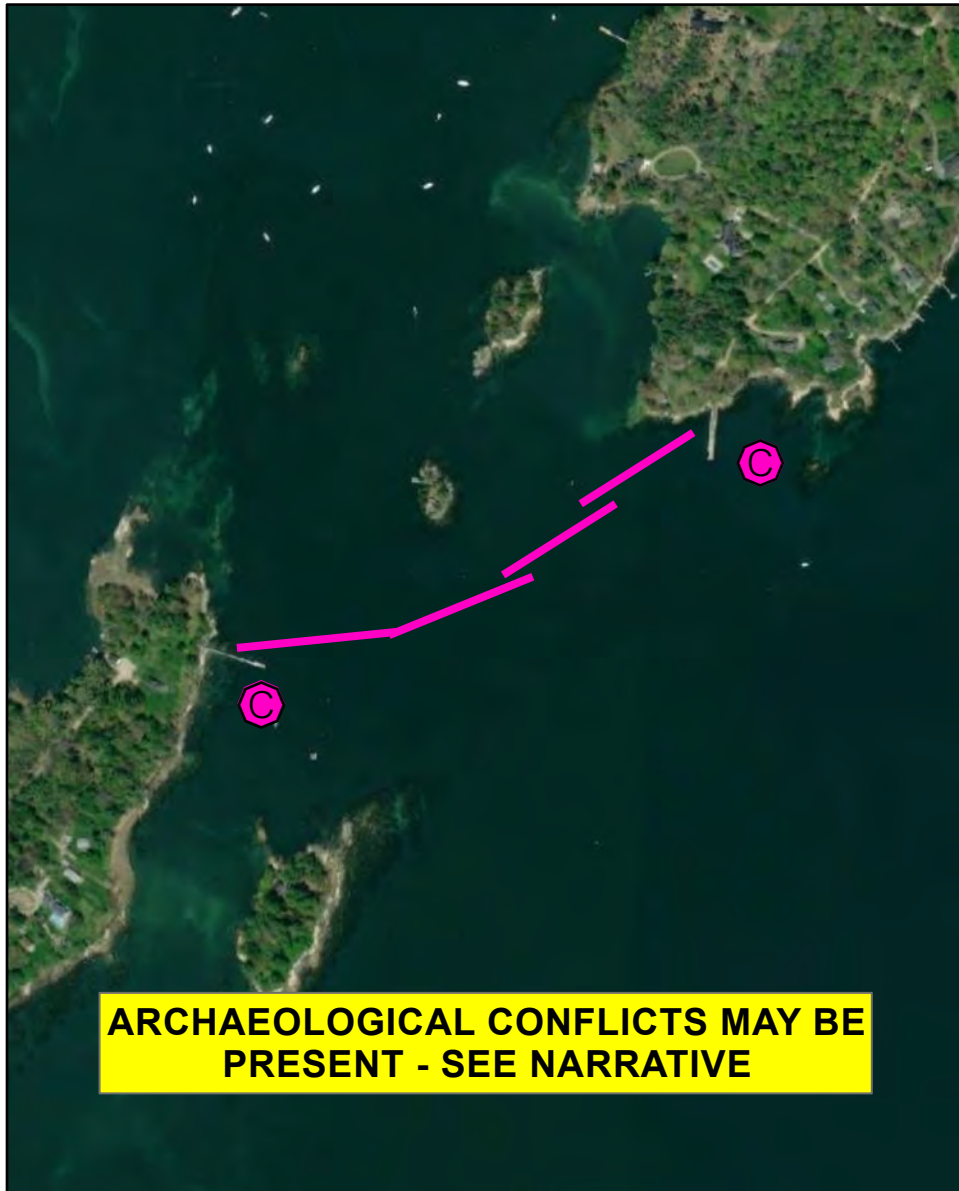
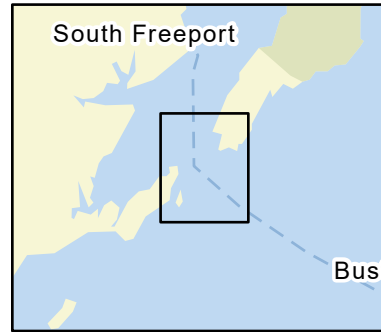
Last Field Test:

B-11-1

Harraseeket River Freeport, ME



Date printed: 9/11/2022 7:15 AM



B-11-1 Harraseeket River

Town Freeport

Port Region Casco Bay

Latitude 43° 48.428' N **Longitude** -70° 6.305' W

NOAA Chart # 13290_1

Approx. Tidal Range (feet) 9

ESI Map # 47B

Max Current (knots) **Flood** < 1 knot **Ebb**

EVI Map # 17

Source Observed

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.

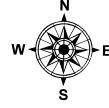
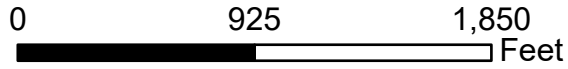
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Last Field Visit 6/28/2022

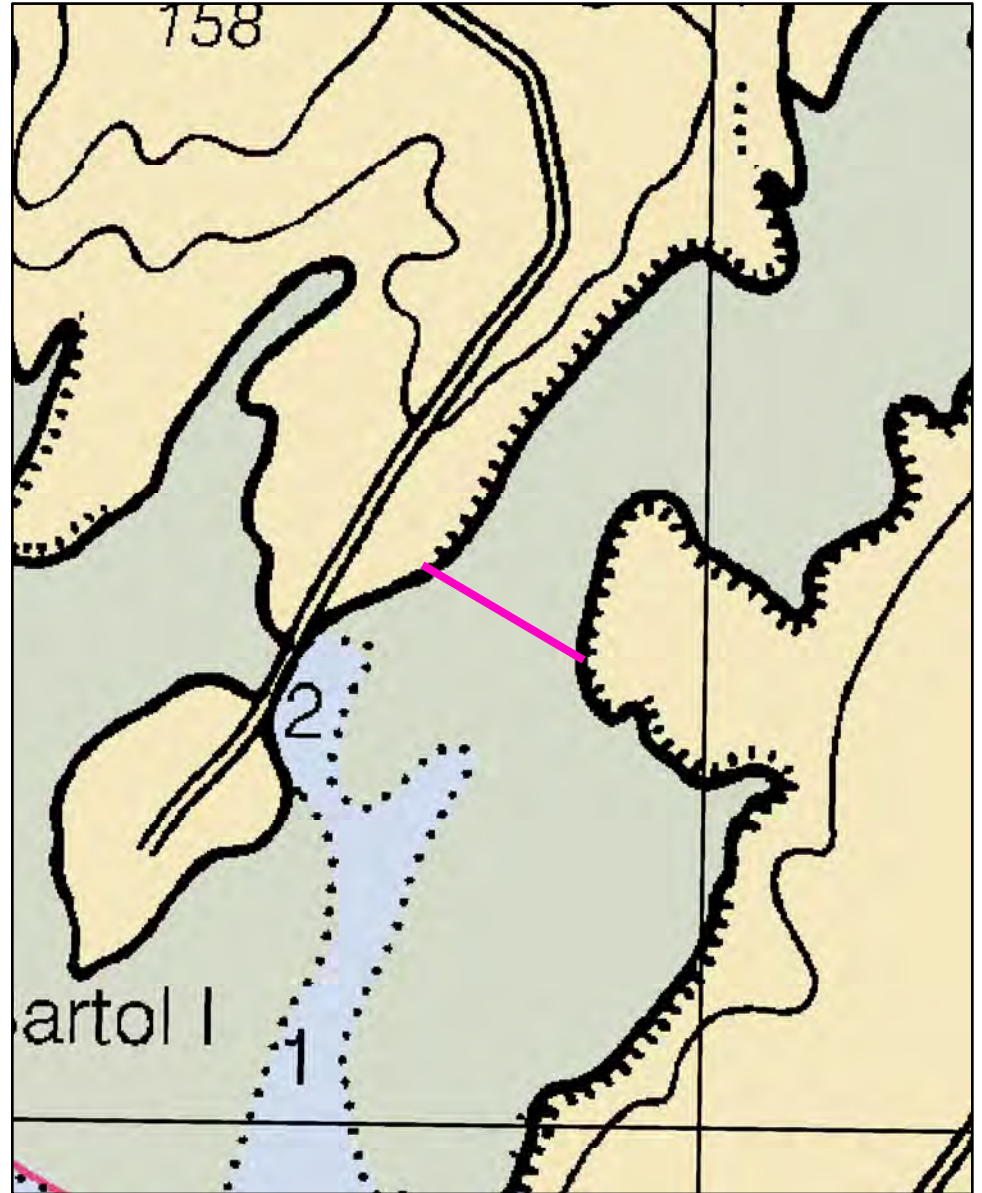
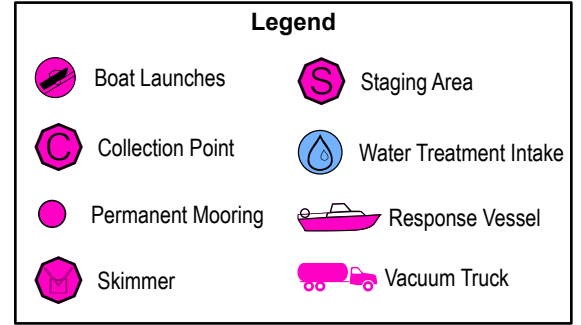
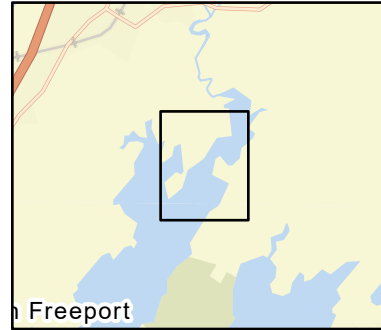
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B-11-2

Harraseeket River: Staples Cove Freeport, ME



Date printed: 9/11/2022 7:15 AM



B-11-2 Harraseeket River: Staples Cove

Town	Freeport	Port Region	Casco Bay
Latitude	43° 48.484' N	Longitude	-70° 6.252' W
Approx. Tidal Range (feet)	9	NOAA Chart #	13290_1
Max Current (knots)	Flood < .5 knots	ESI Map #	47A, 47B
Source	Ebb	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

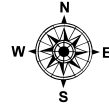
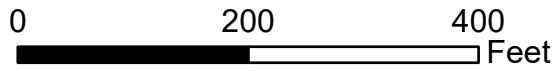
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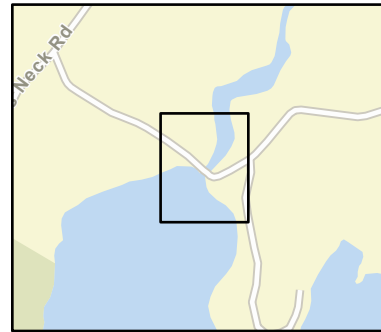
B-12-1

Little River

Freeport, ME

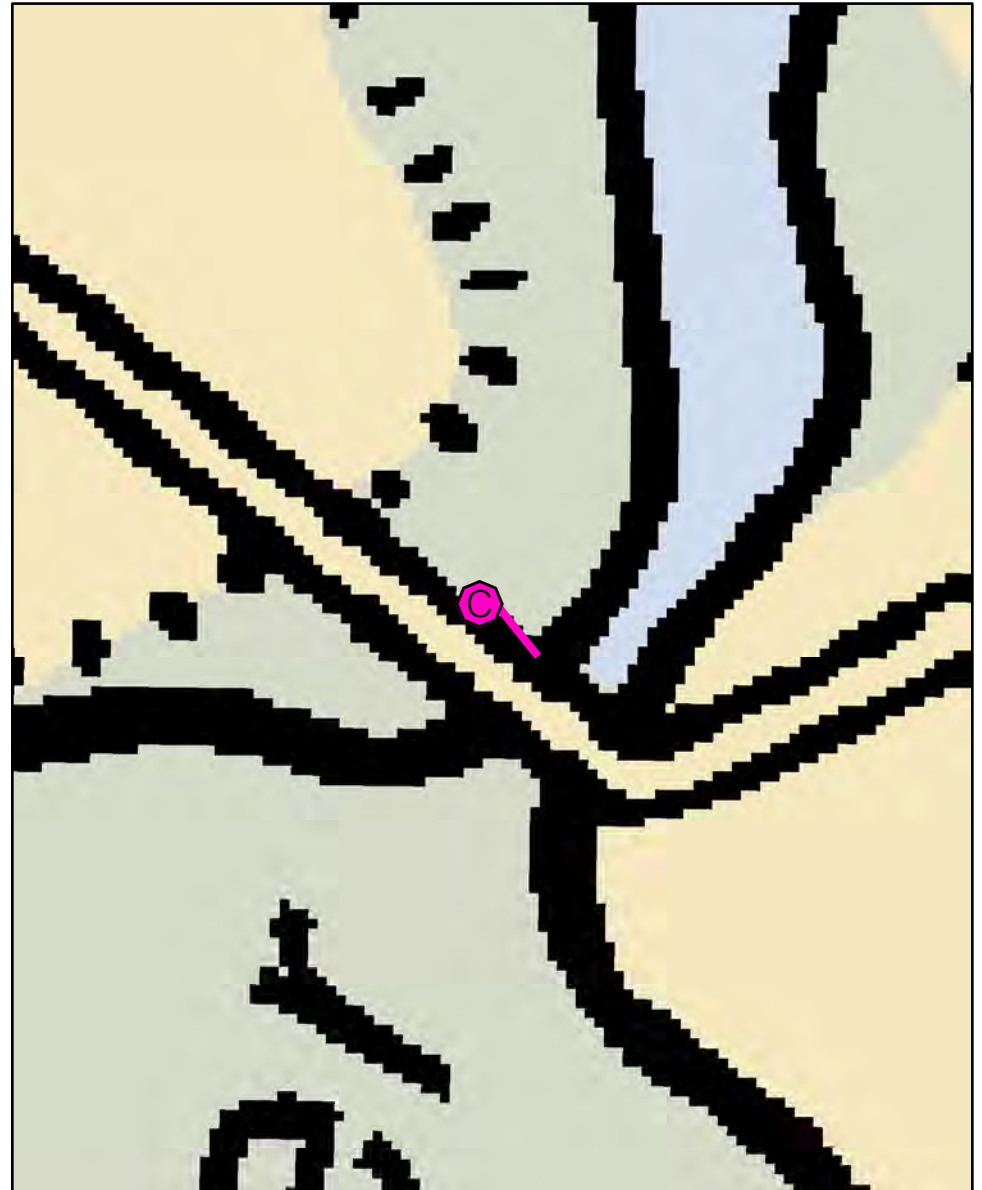


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Legend

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



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

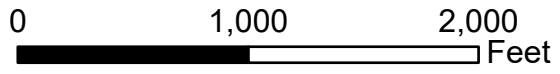
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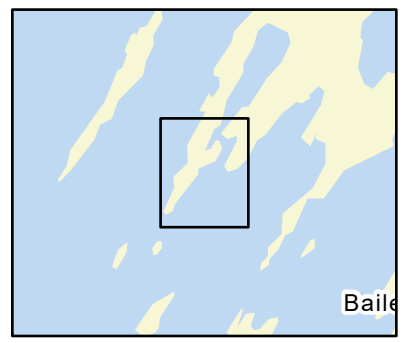
B-13-1

Basin Cove

Harpswell, ME

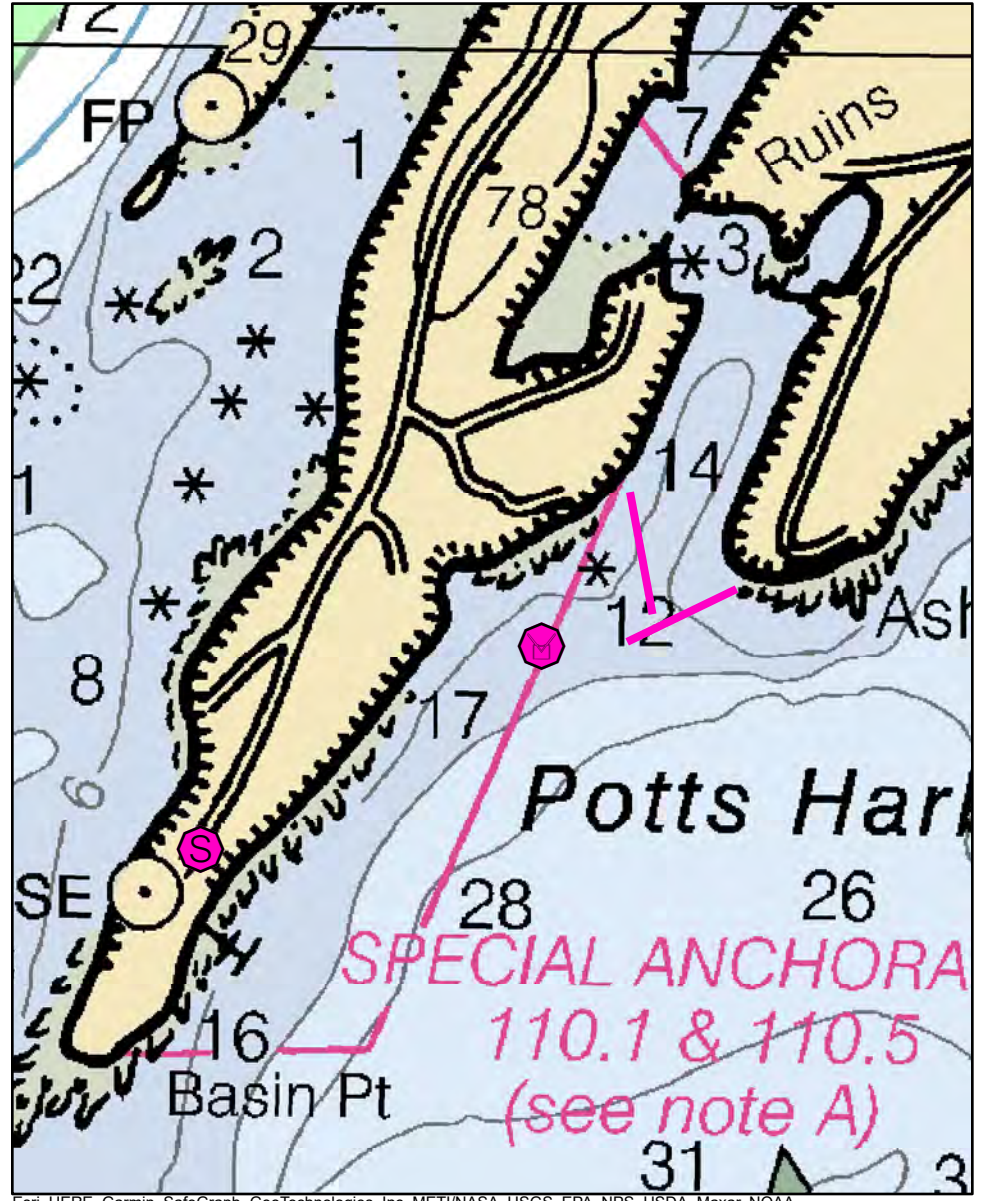


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Legend

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



B-13-1 Basin Cove

Town	Harpswell	Port Region	Casco Bay
Latitude	43° 44.687' N	Longitude	-70° 1.613' W
Approx. Tidal Range (feet)	9	NOAA Chart #	13290_1
Max Current (knots)	Flood 1 knot	ESI Map #	47C
Source	Ebb	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.

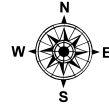
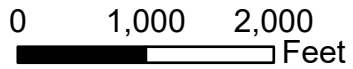
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Last Field Visit: 6/10/2022

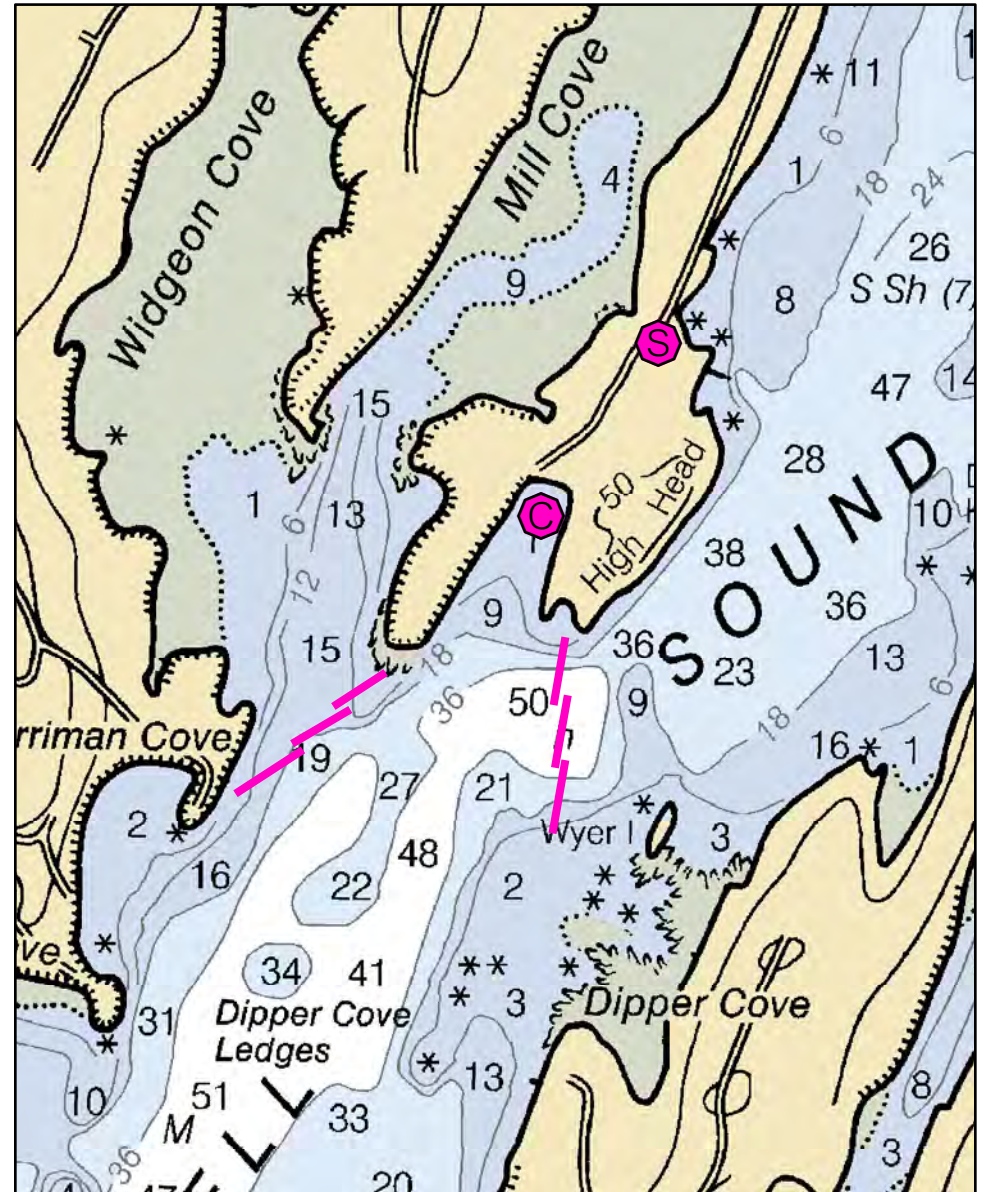
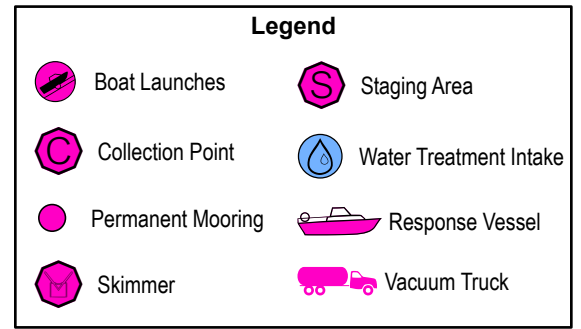
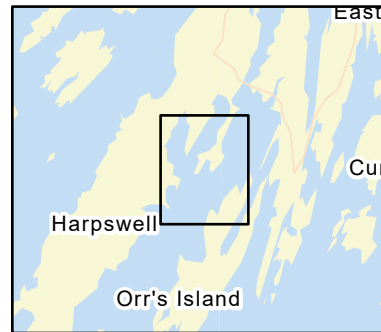
Last Field Test:

B-14-1

Harpswell Cove / Long Reach: High Head Harpswell, ME



Date printed: 9/11/2022 7:15 AM



B-14-1 Harpswell Cove/Long Reach: High Head

Town	Harpswell	Port Region	Casco Bay
Latitude	43° 47.681' N	Longitude	-69° 57.864' W
Approx. Tidal Range (feet)	9	NOAA Chart #	13290_1
Max Current (knots)	Flood	ESI Map #	46B, 46D
Source	Ebb	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.

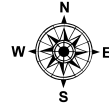
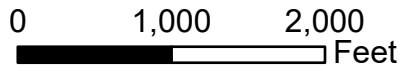
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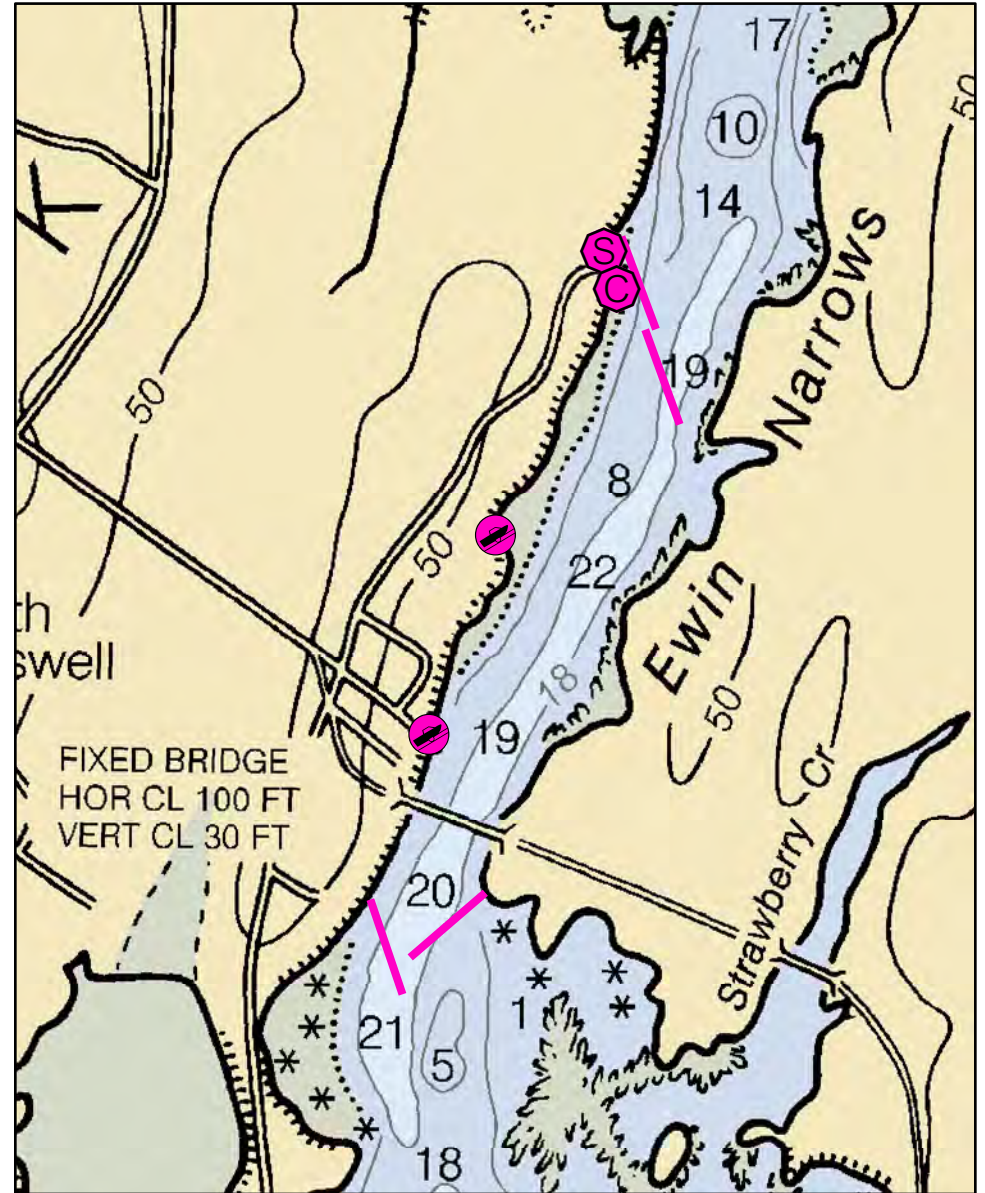
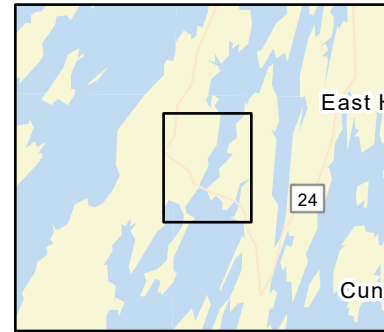
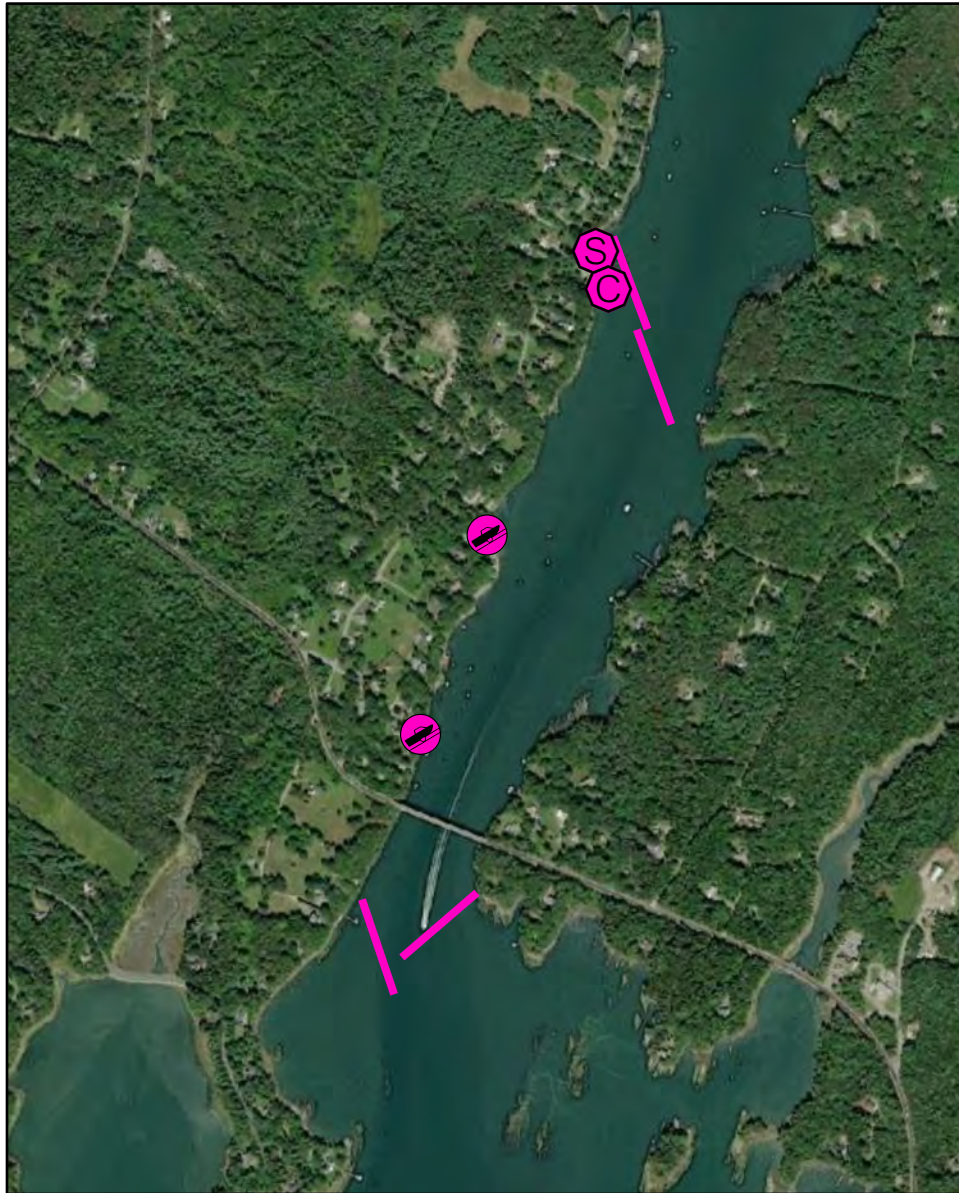
Last Field Test:

B-14-2

Harpswell Cove / Long Reach: Ewin Narrows Harpswell, ME



Date printed: 9/11/2022 7:15 AM



B-14-2 Harpswell Cove/Long Reach: Ewin Narrows

Town Harpswell

Port Region Casco Bay

Latitude 43° 49.175' N Longitude -69 57.091' W

NOAA Chart # 13290_1

Approx. Tidal Range (feet) 9

ESI Map # 46B

Max Current (knots) Flood Ebb

EVI Map # 18

Source 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 Hildreth 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.

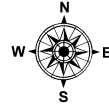
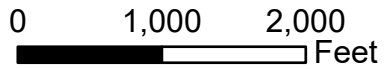
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Last Field Visit 6/10/2022

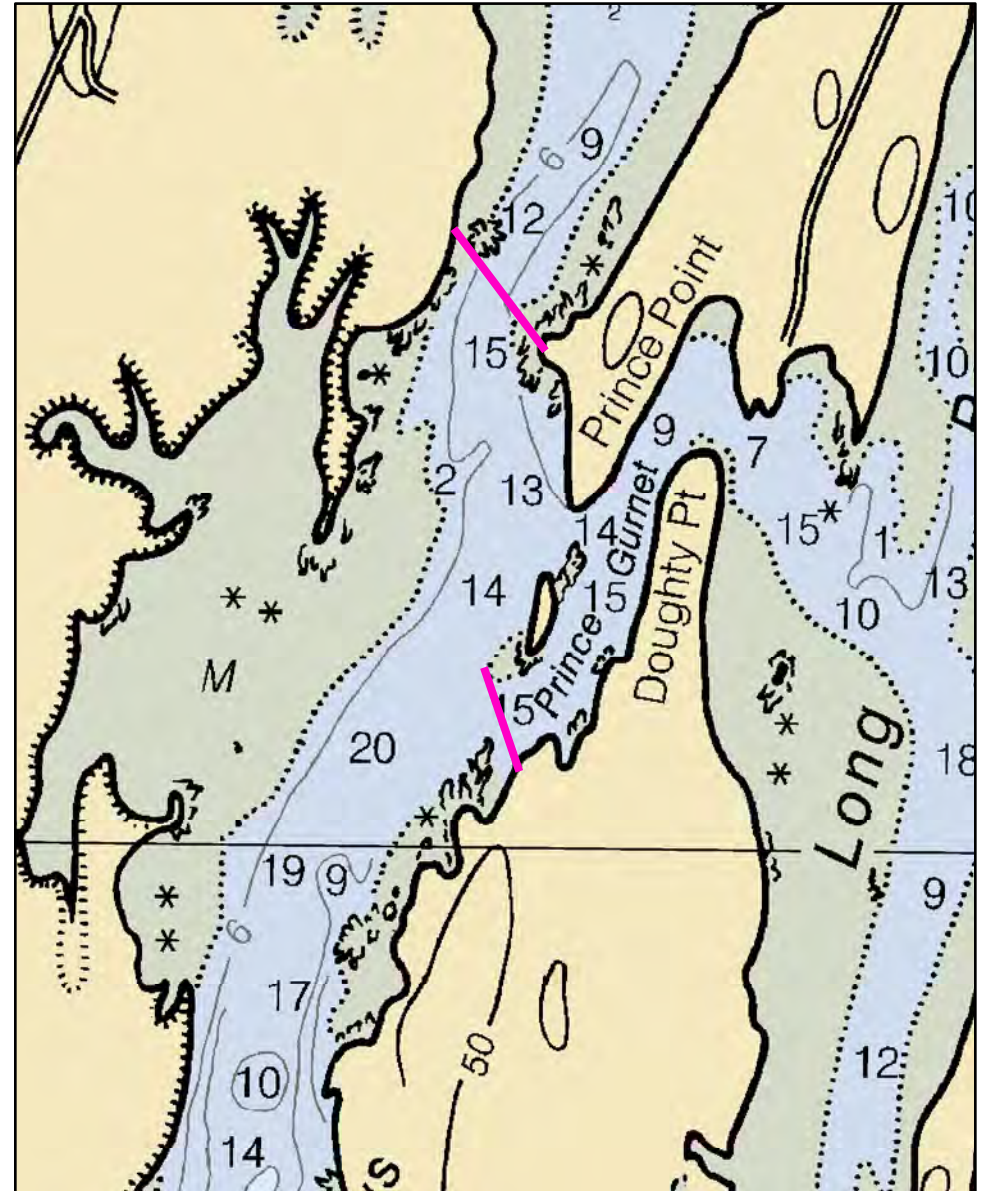
Last Field Test:

B-14-3

Harpswell Cove / Long Reach: Prince & Doughty Pt. Harpswell, ME



Date printed: 9/11/2022 7:15 AM



B-14-3 Harpswell Cove/Long Reach: Prince & Doughty Pt

Town	Harpswell	Port Region	Casco Bay
Latitude	43° 50.357' N	Longitude	-69° 56.415' W
Approx. Tidal Range (feet)	9	NOAA Chart #	13290_1
Max Current (knots)	Flood	ESI Map #	46B
Source	Ebb	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.

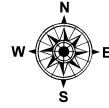
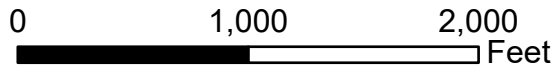
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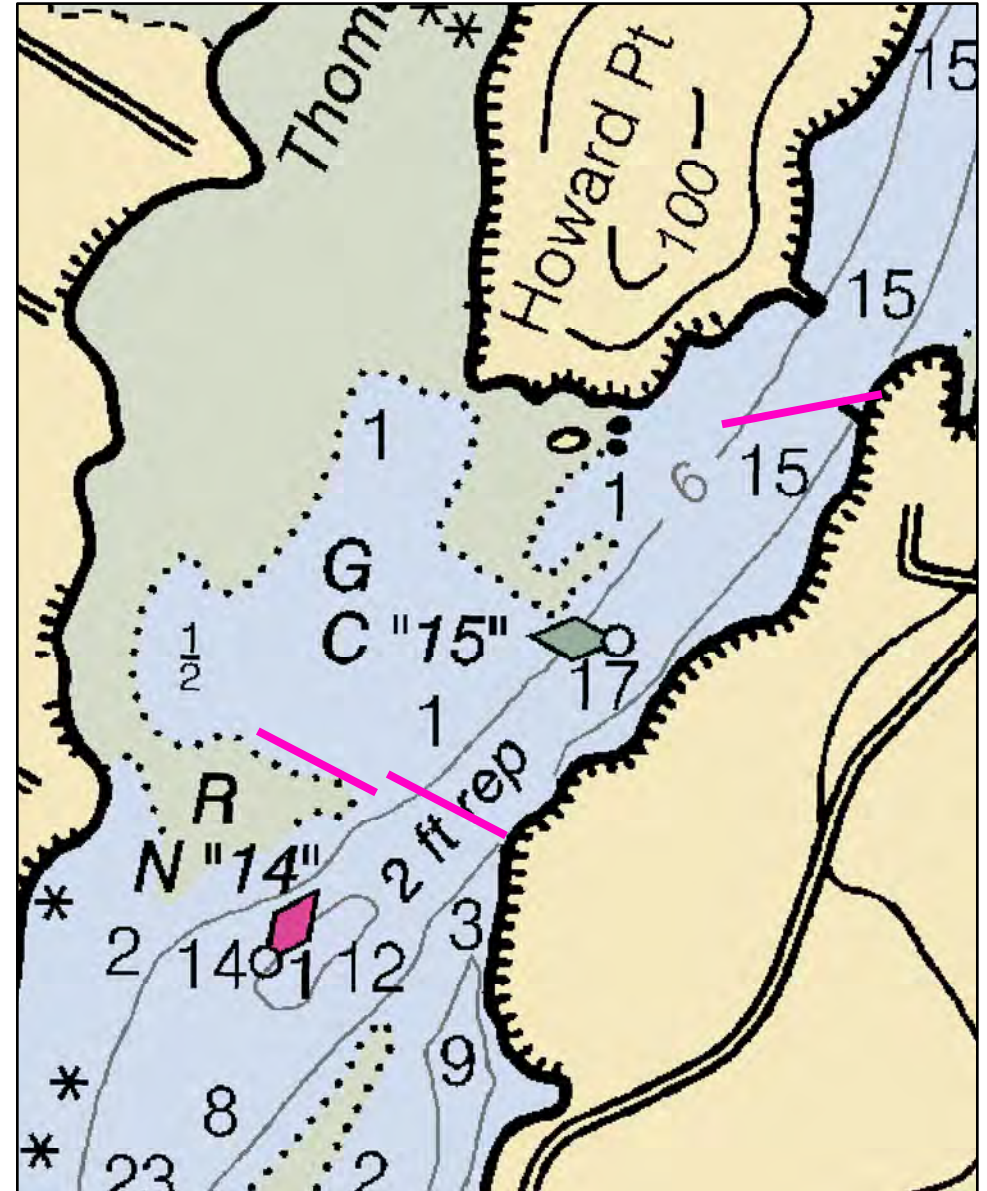
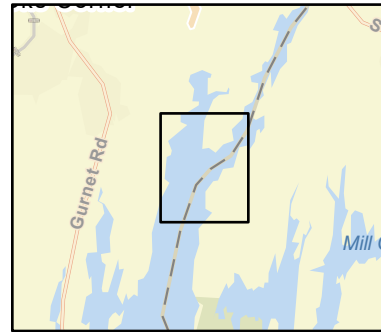
Last Field Test:

B-15-1

Upper New Meadows River / Thomas Point Brunswick / West Bath, ME



Date printed: 9/11/2022 7:15 AM



B-15-1 Upper New Meadows River / Thomas Point

Town	Brunswick / West Bath	Port Region	Casco Bay
Latitude	43° 53.151' N	Longitude	-69° 53.298' W
Approx. Tidal Range (feet)	9	NOAA Chart #	13290_1
Max Current (knots)	Flood .5 - 1 knots	ESI Map #	46B, 40D
Source	Ebb	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

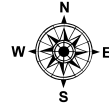
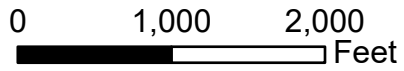
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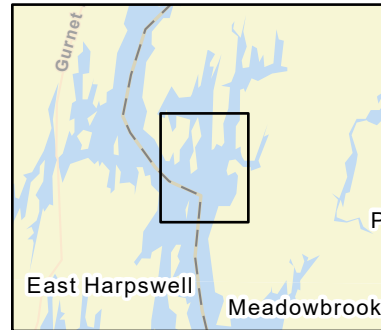
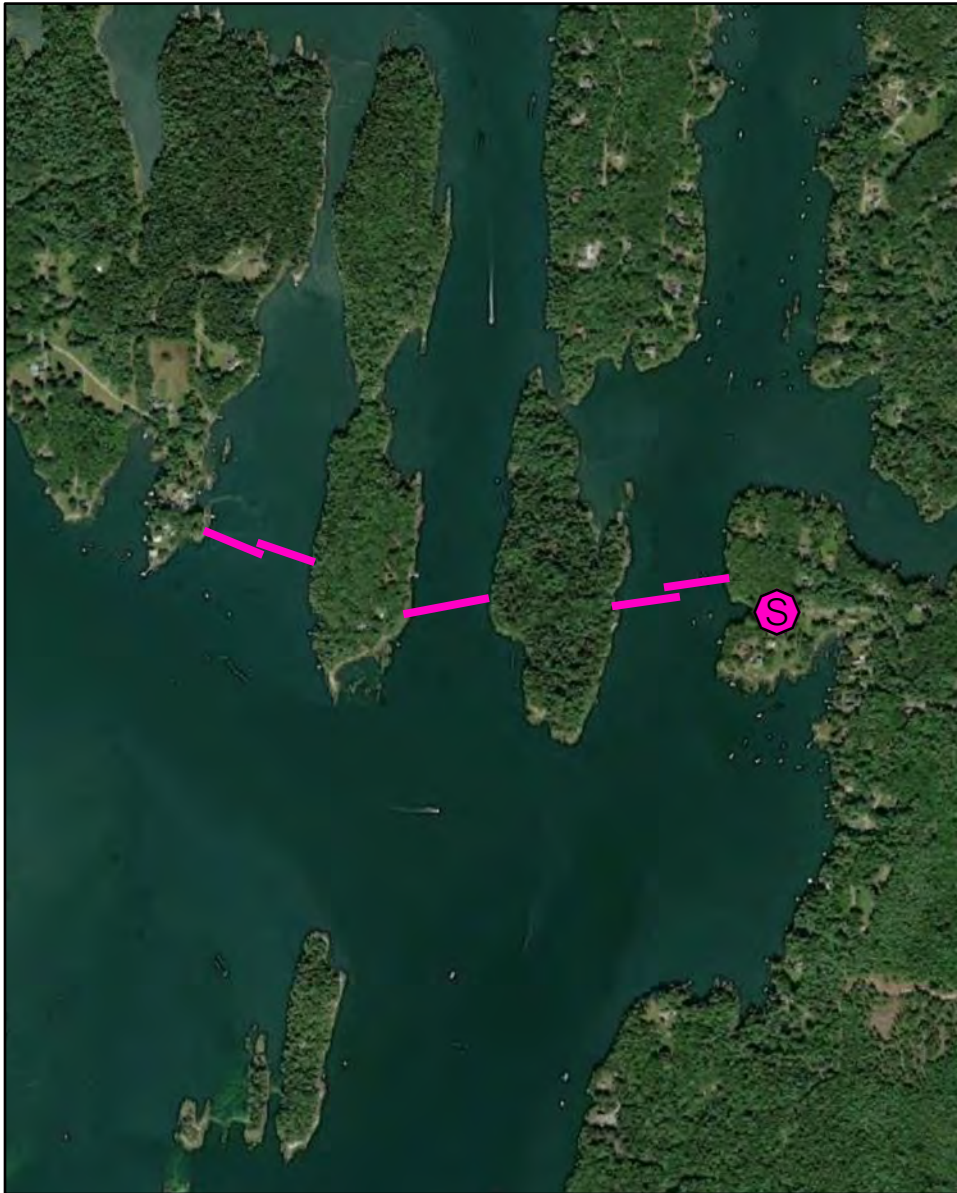
B-16-1

Back Cove

West Bath, ME

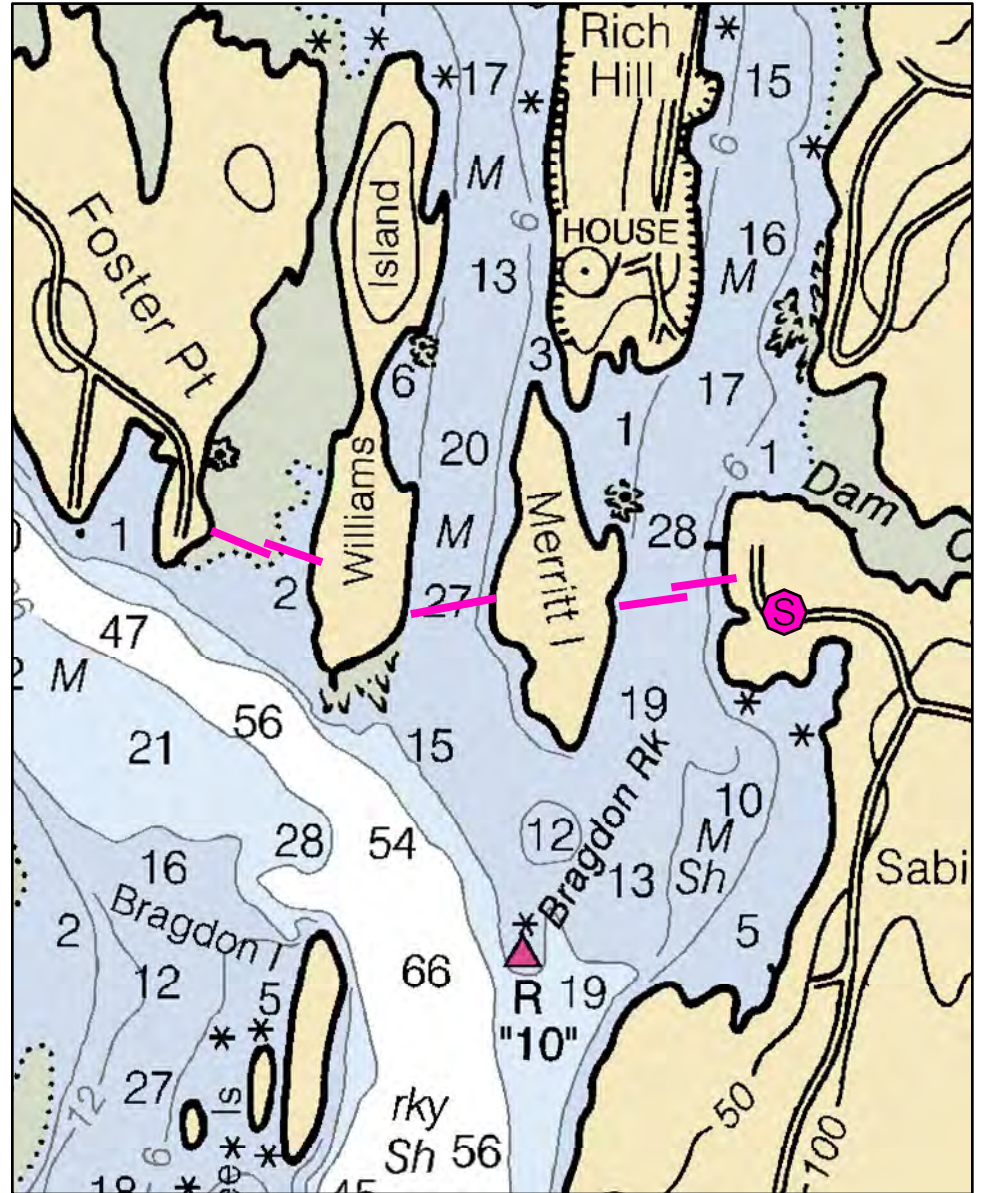


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Legend

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



B-16-1 Back Cove

Town	West Bath	Port Region	Casco Bay
Latitude	43° 51.41' N	Longitude	-69° 52.148' W
NOAA Chart #	13290_1	ESI Map #	46A, 46B
Approx. Tidal Range (feet)	9	EVI Map #	19
Max Current (knots)	Flood 0 - .5 knots	DeLorme Map # (2019)	6 C4
	Ebb		
Source	Local knowledge estimate		

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

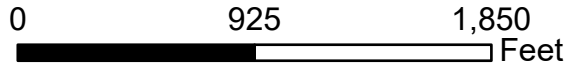
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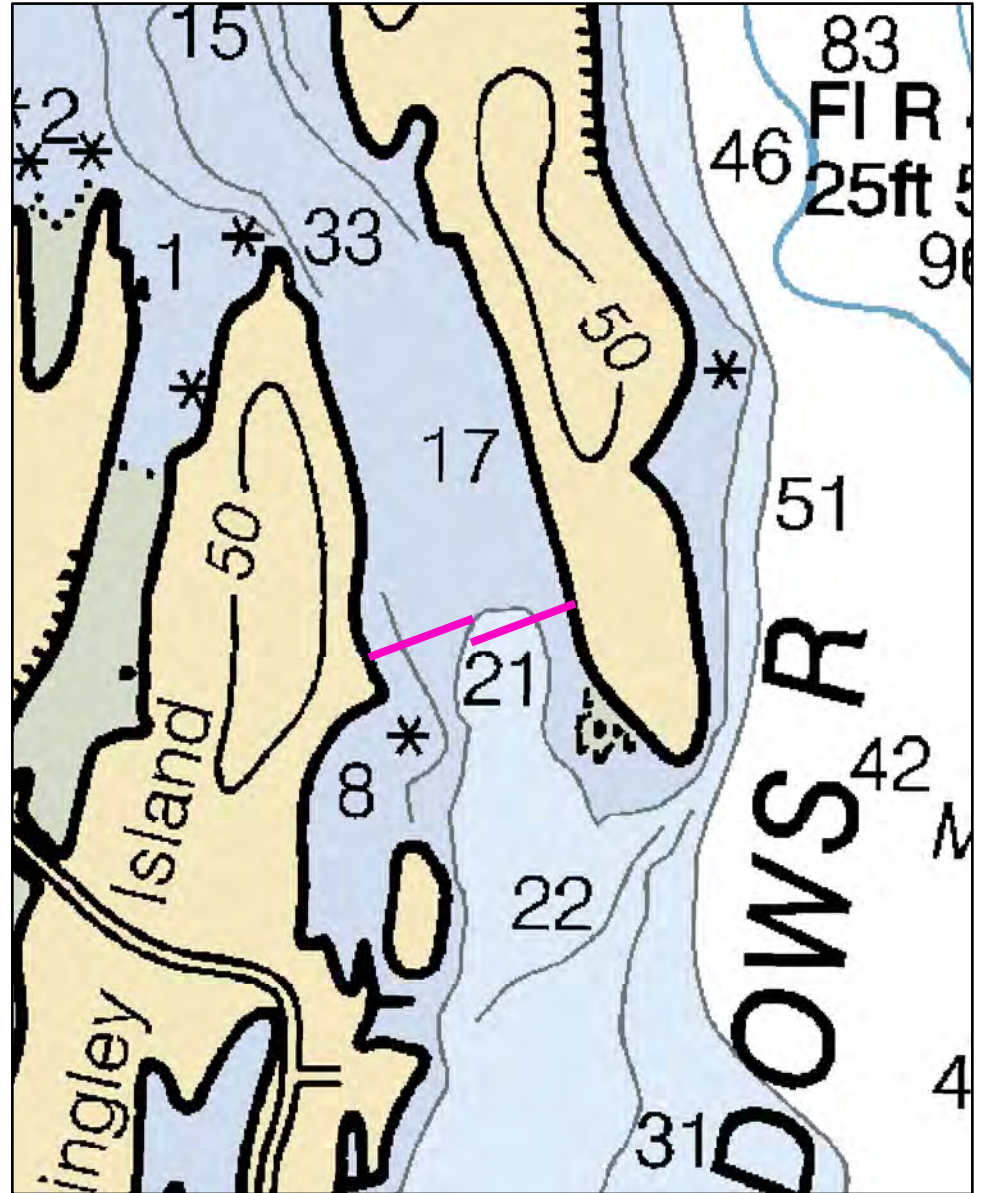
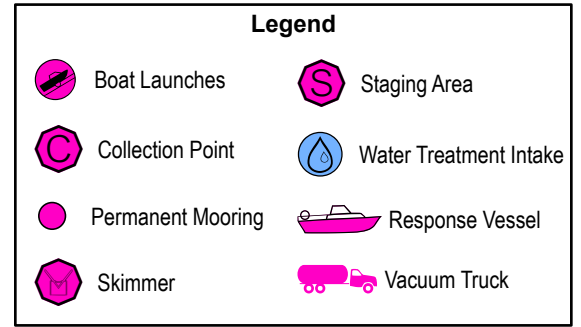
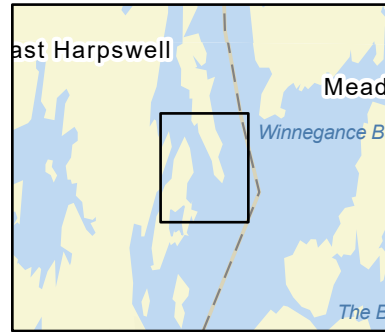
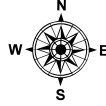
B-17-1

Long Island

Harpswell, ME



Date printed: 9/11/2022 7:18 AM



B-17-1 Long Island

Town	Harpowell	Port Region	Casco Bay
Latitude	43° 49.169' N	Longitude	-69 52.772' N
Approx. Tidal Range (feet)	9	NOAA Chart #	13290_1
Max Current (knots)	Flood 0 - 1 knot	ESI Map #	46B, 46A
	Ebb	EVI Map #	19
Source	Local knowledge estimate	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.

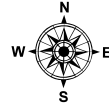
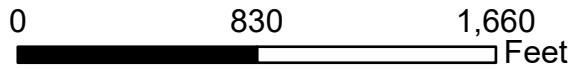
Last Desktop Validation: 2/16/2018

Last Field Visit 6/22/2022

Last Field Test:

B-18-1

The Basin Phippsburg, ME

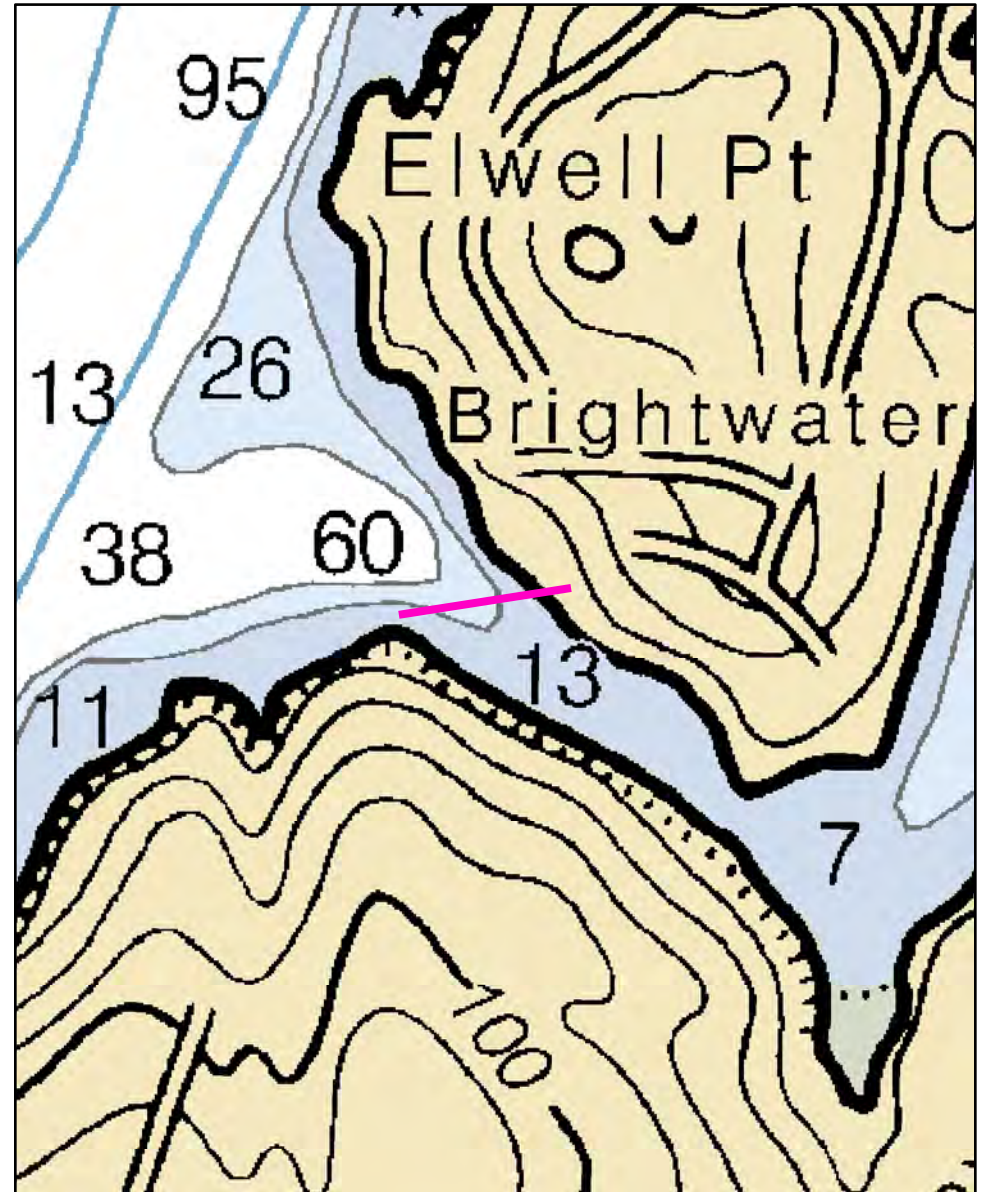
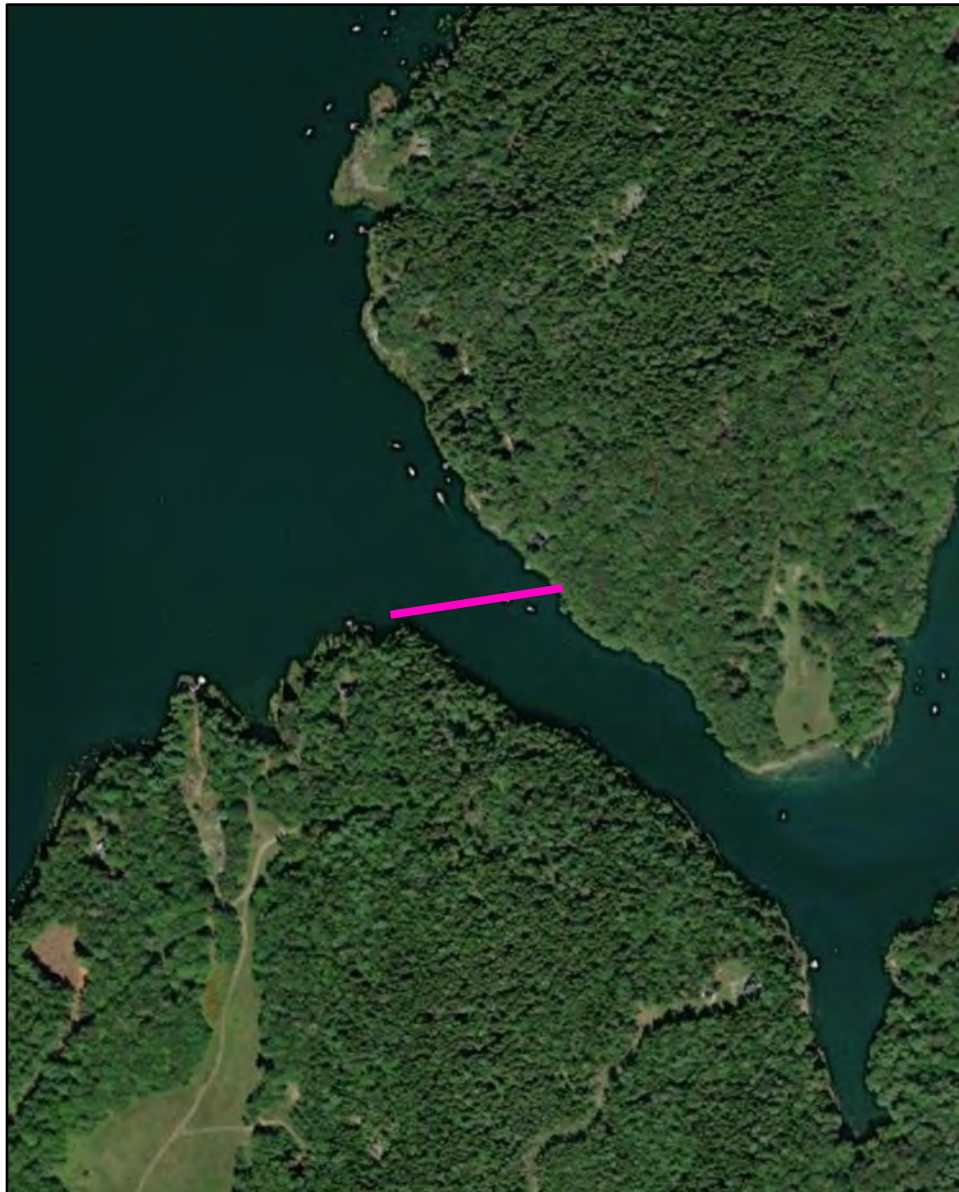


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Legend

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



B-18-1 The Basin

Town	Phippsburg	Port Region	Casco Bay
Latitude	43° 48.236' N	Longitude	-69° 57.867' W
Approx. Tidal Range (feet)	9	NOAA Chart #	13290_1
Max Current (knots)	Flood	ESI Map #	46A, 46B
Source	Ebb	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.

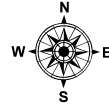
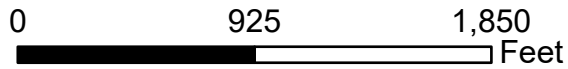
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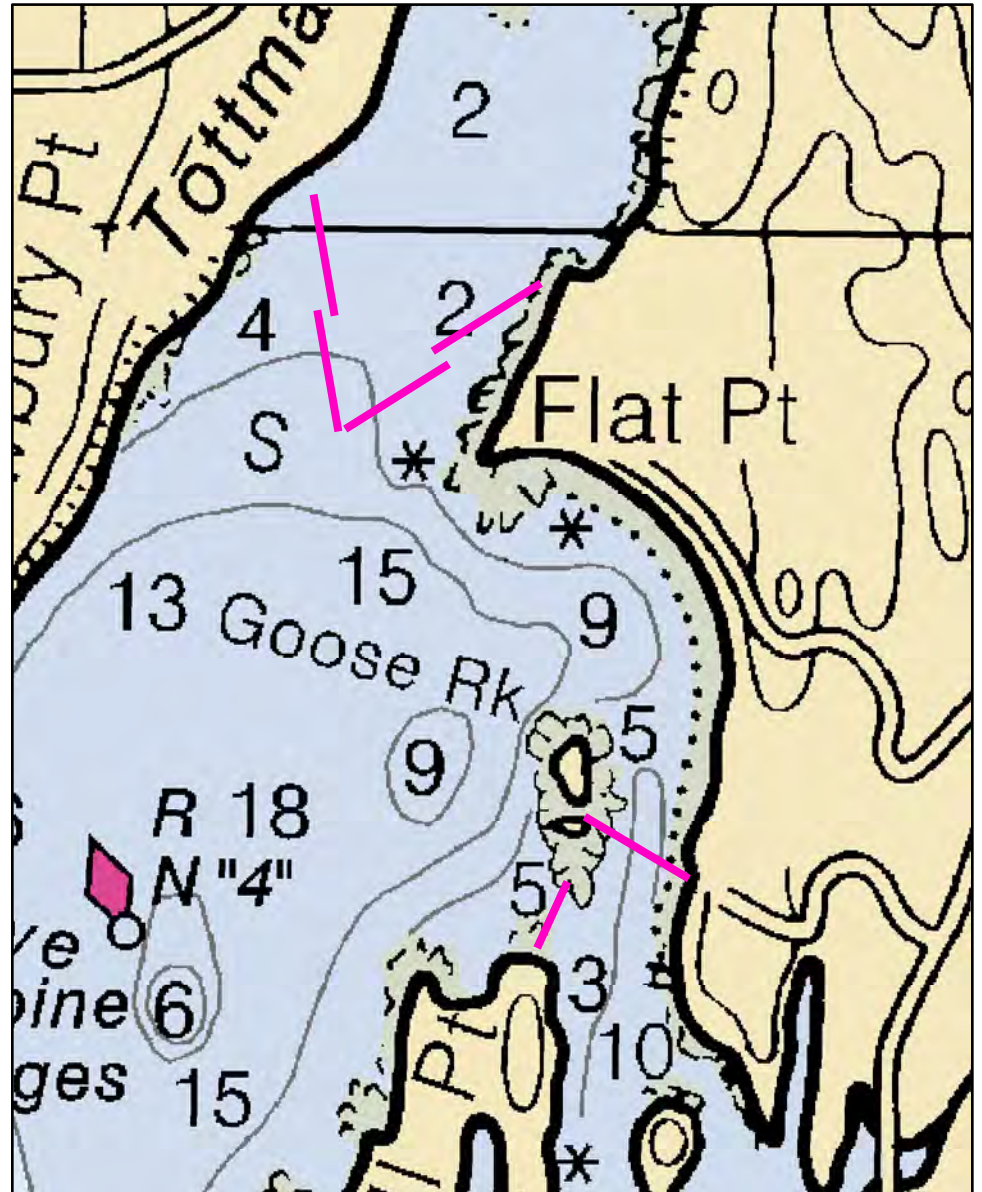
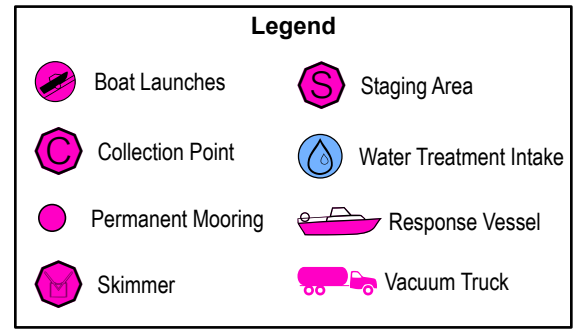
Last Field Test:

B-19-1

Cape Small Harbor / Tottman Cove Phippsburg, ME



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B-19-1 Cape Small Harbor / Tottman Cove

Town	Phippsburg	Port Region	Casco Bay
Latitude	43° 44.773' N	Longitude	-69° 50.881' W
Approx. Tidal Range (feet)	9	NOAA Chart #	13290_1
Max Current (knots)	Flood < 0.5 knots	ESI Map #	46C
	Ebb	EVI Map #	15
Source	Local knowledge estimate	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.

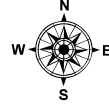
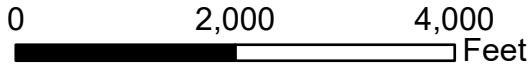
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Last Field Visit 6/22/2022

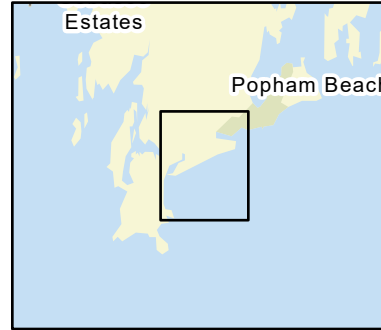
Last Field Test:

B-20-1

Sprague & Morse Rivers Phippsburg, ME

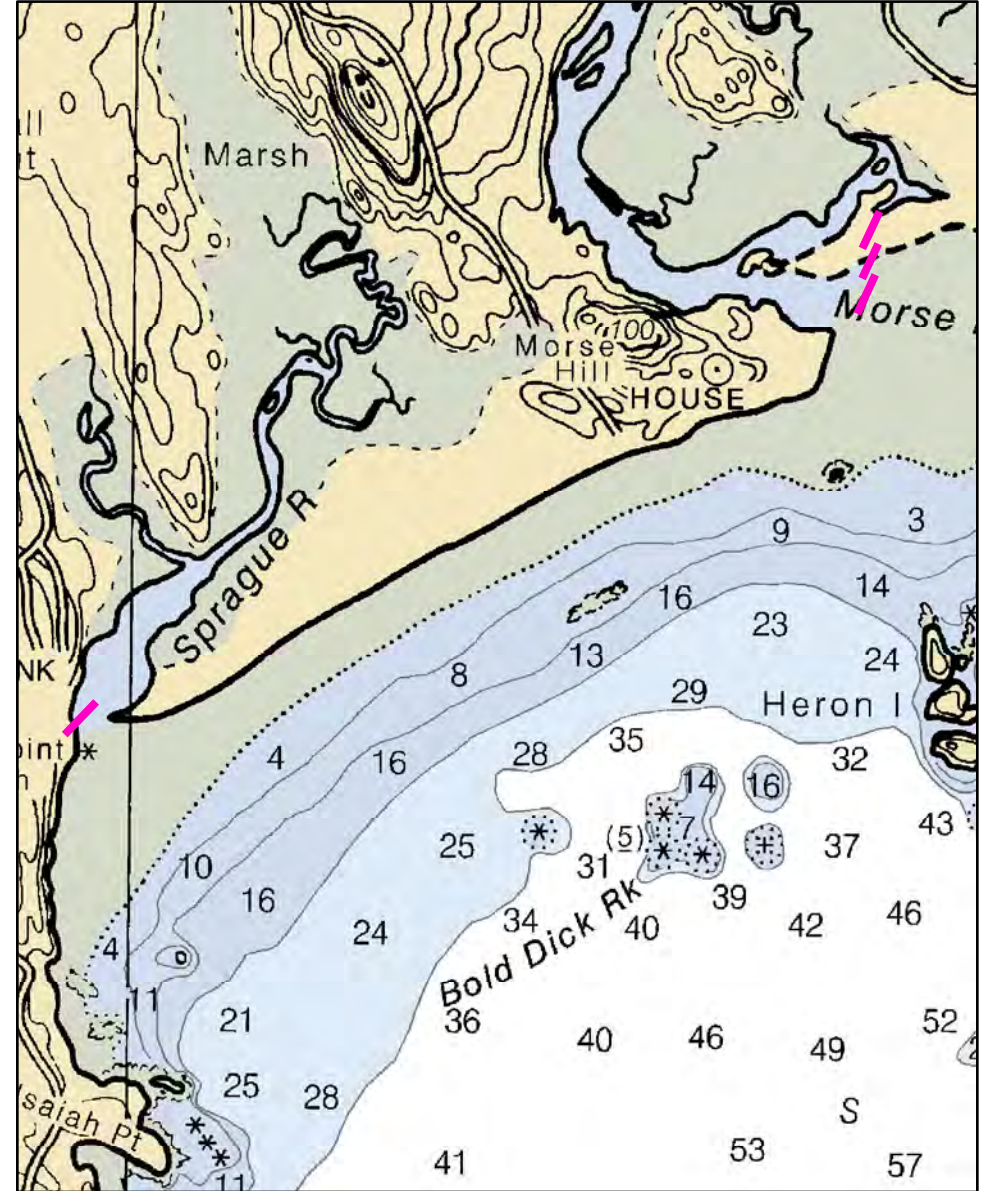


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Legend

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



B-20-1 Sprague & Morse Rivers

Town	Phippsburg	Port Region	Casco Bay
Latitude	43° 43.566' N	Longitude	-69° 49.238' W
Approx. Tidal Range (feet)	Intertidal	NOAA Chart #	13293_1
Max Current (knots)	Flood Minimal	ESI Map #	46C
Source	Ebb	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.

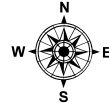
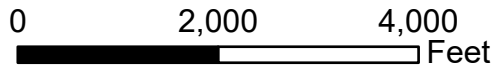
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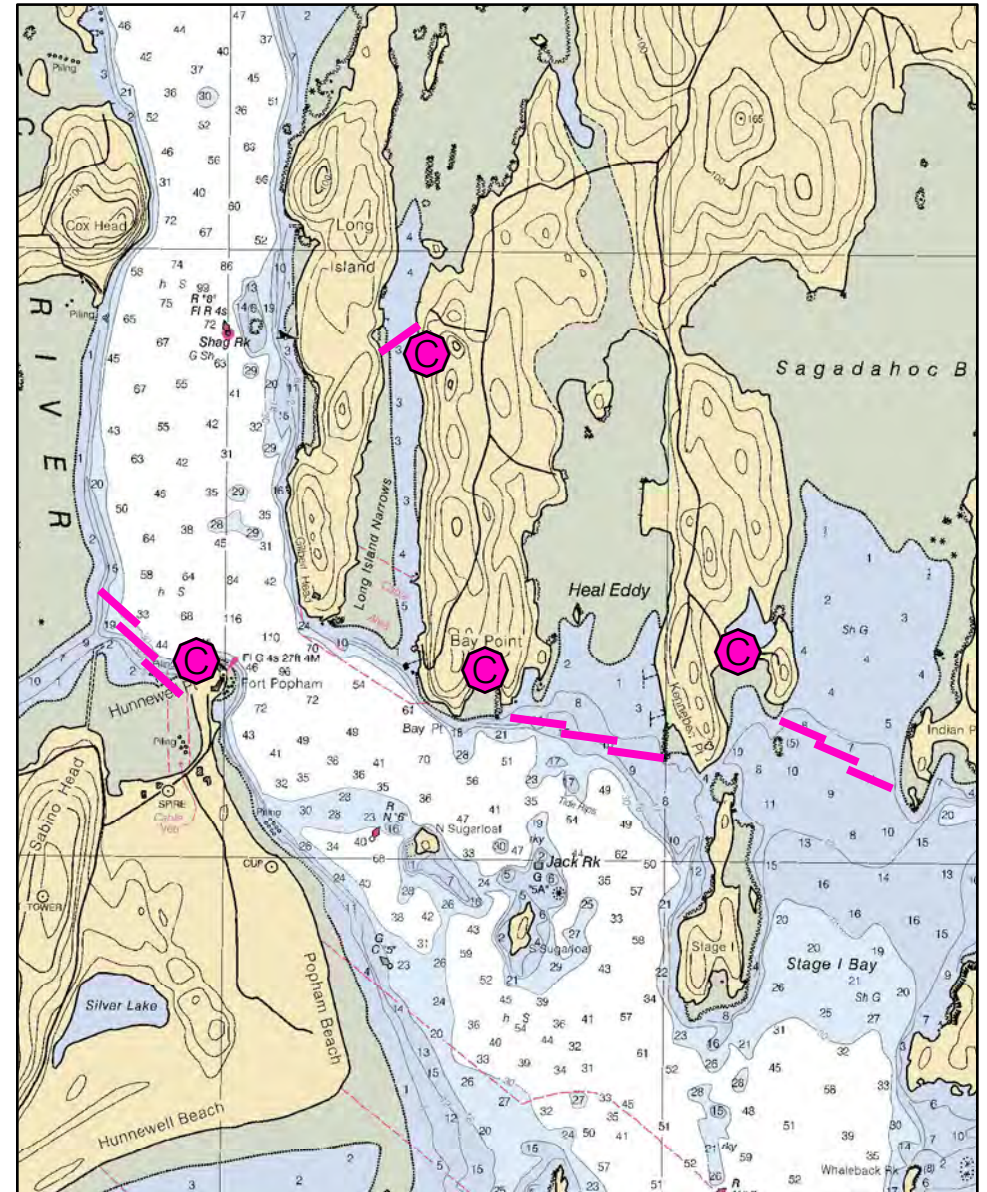
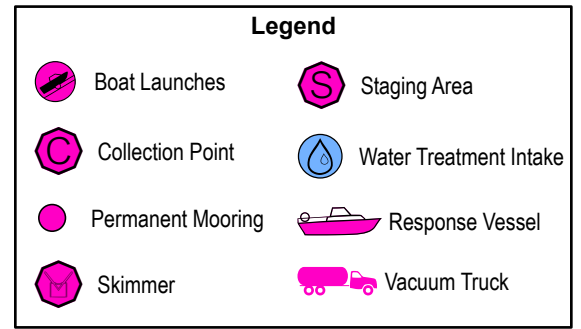
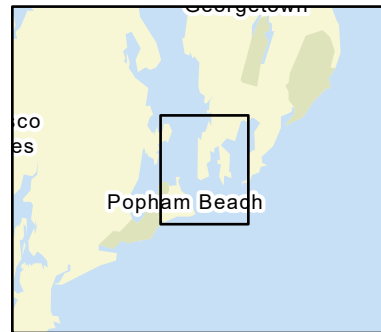
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B-21-1

Lower Kennebec River Phippsburg / Georgetown, ME



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

B-21-1 Lower Kennebec River

Town Phippsburg / Georgetown

Port Region Casco Bay

Latitude 43° 45.2' N **Longitude** -69° 46.193' W

NOAA Chart # 13293_1

Approx. Tidal Range (feet) 9

ESI Map # 46C, 45D

Max Current (knots) **Flood** 1 knot **Ebb**

EVI Map # 16, 15

Source Local knowledge estimate

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.

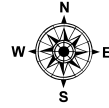
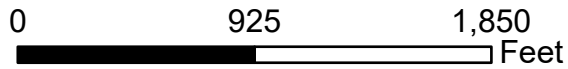
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Last Field Visit

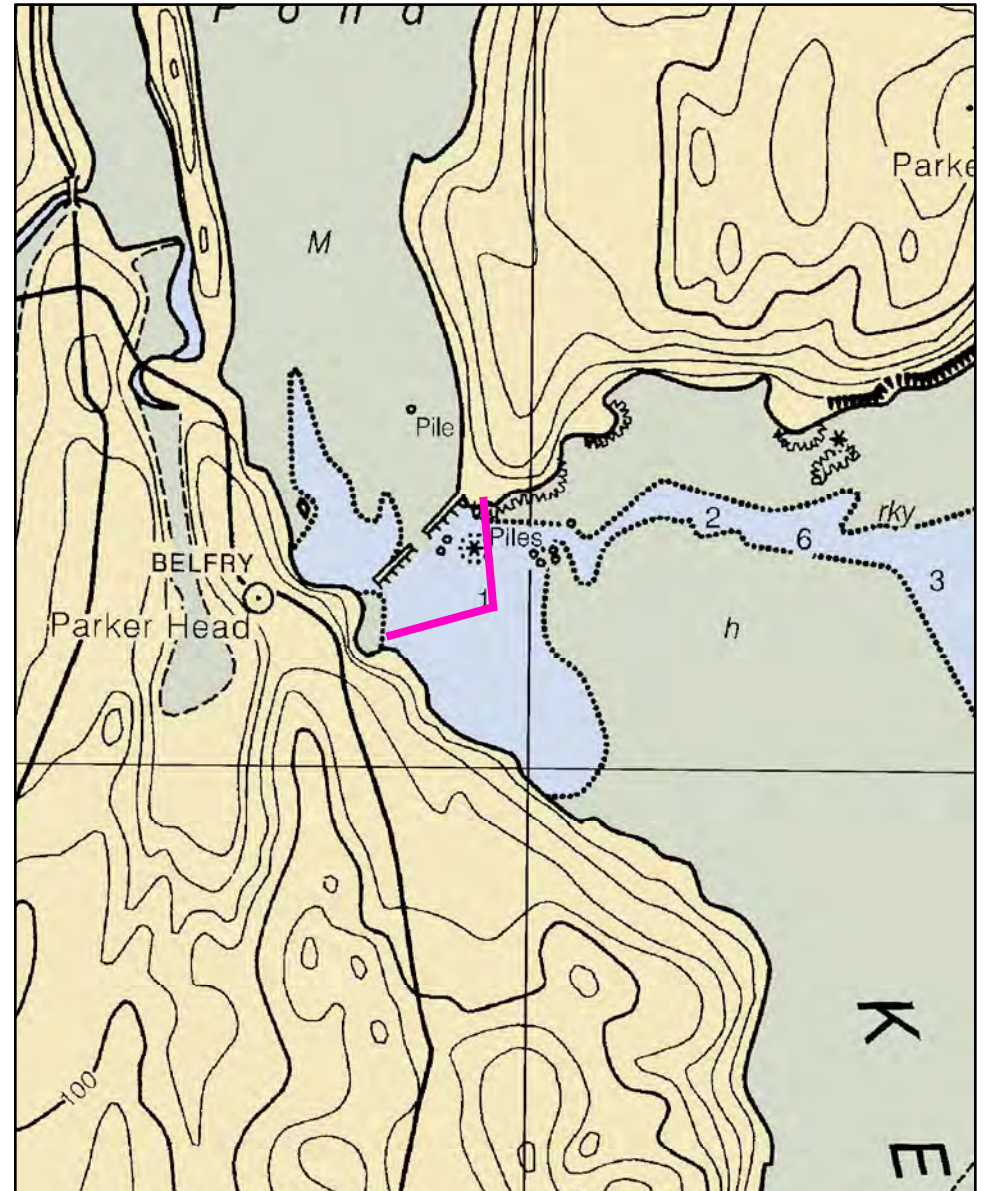
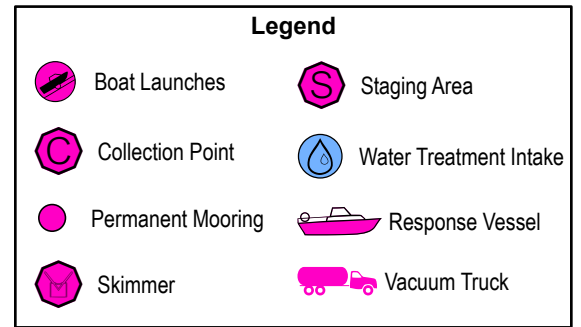
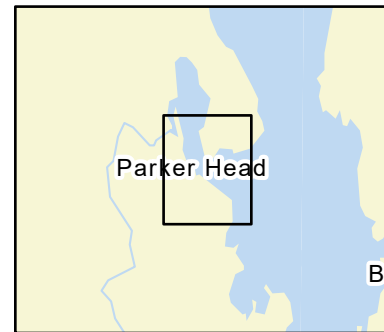
Last Field Test:

B-22-1

Lower Kennebec River / Mill Pond Phippsburg, ME



Date printed: 9/10/2022 7:51 PM



B-22-1 Lower Kennebec River / Mill Pond

Town	Phippsburg	Port Region	Casco Bay
Latitude	43° 47.113' N	Longitude	-69° 48.068' W
Approx. Tidal Range (feet)	10	NOAA Chart #	13293_1
Max Current (knots)	Flood	ESI Map #	46C, 46A
Source	Ebb	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.

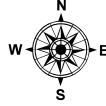
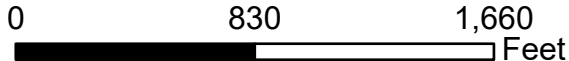
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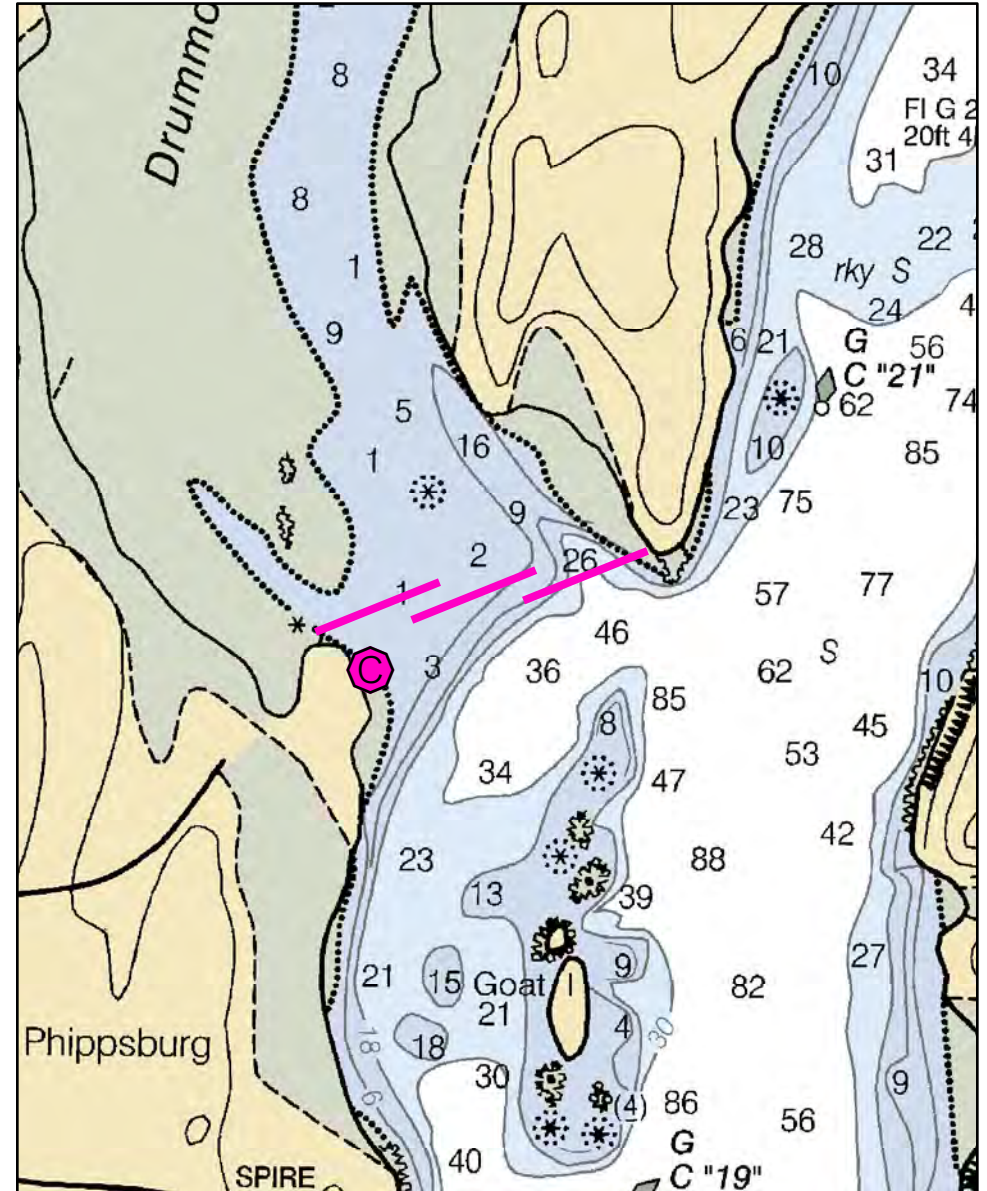
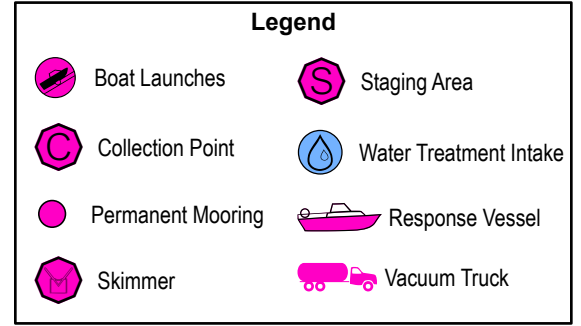
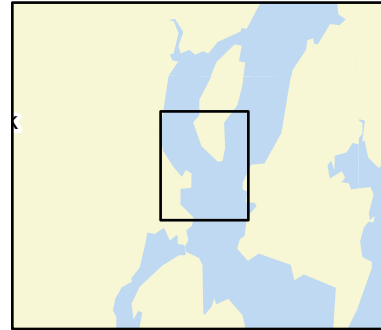
Last Field Test:

B-23-1

Lower Kennebec River / Drummors Bay Phippsburg, ME



Date printed: 9/11/2022 6:54 AM



B-23-1 Lower Kennebec River / Drummors Bay

Town	Phippsburg	Port Region	Casco Bay
Latitude	43° 49.522'N	Longitude	-69° 48.458' W
Approx. Tidal Range (feet)	10	NOAA Chart #	13293_1
Max Current (knots)	Flood	ESI Map #	46A
Source	Ebb	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 Drummors 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.

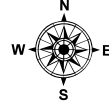
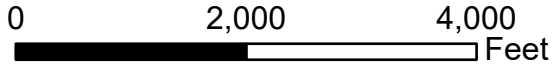
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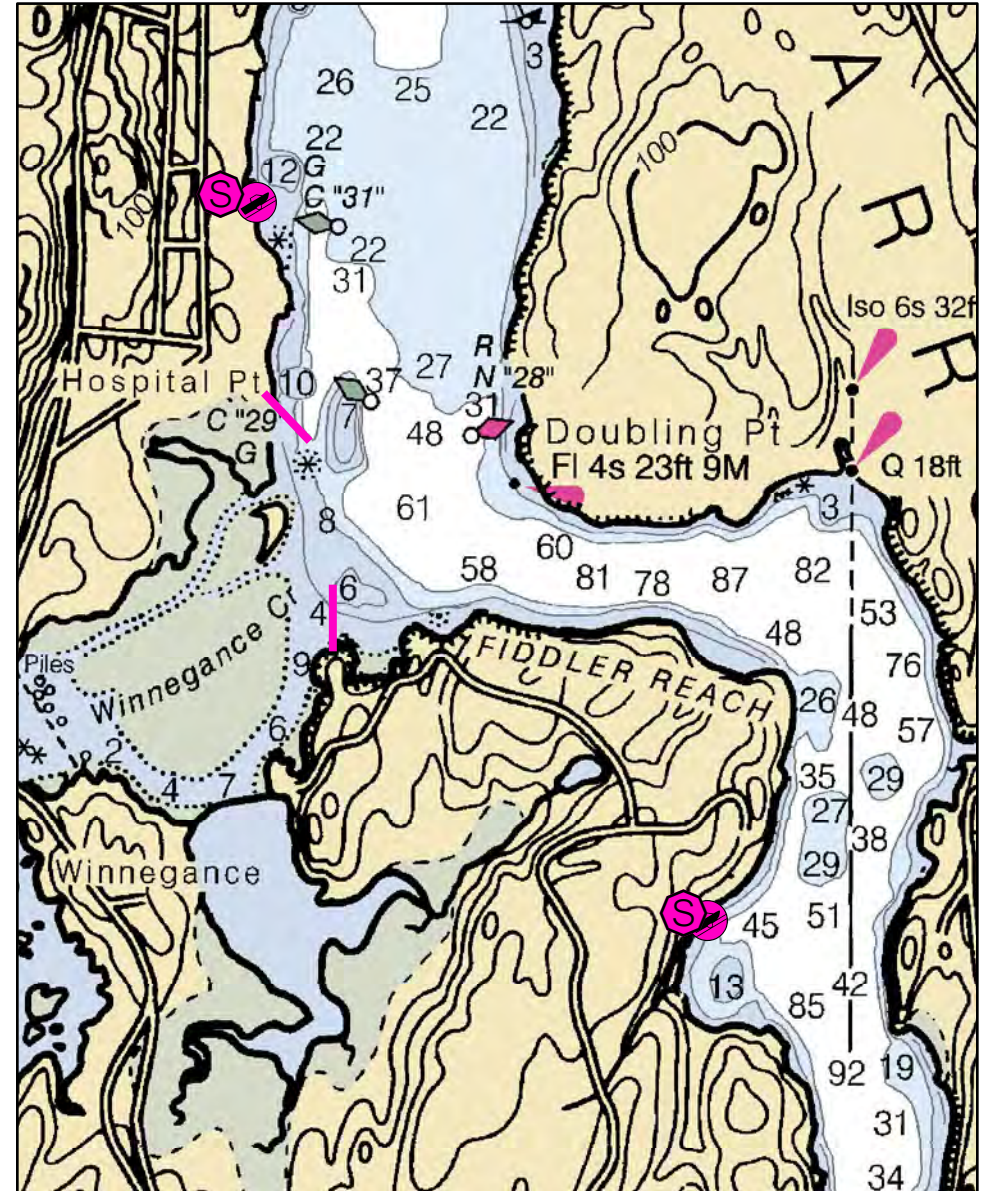
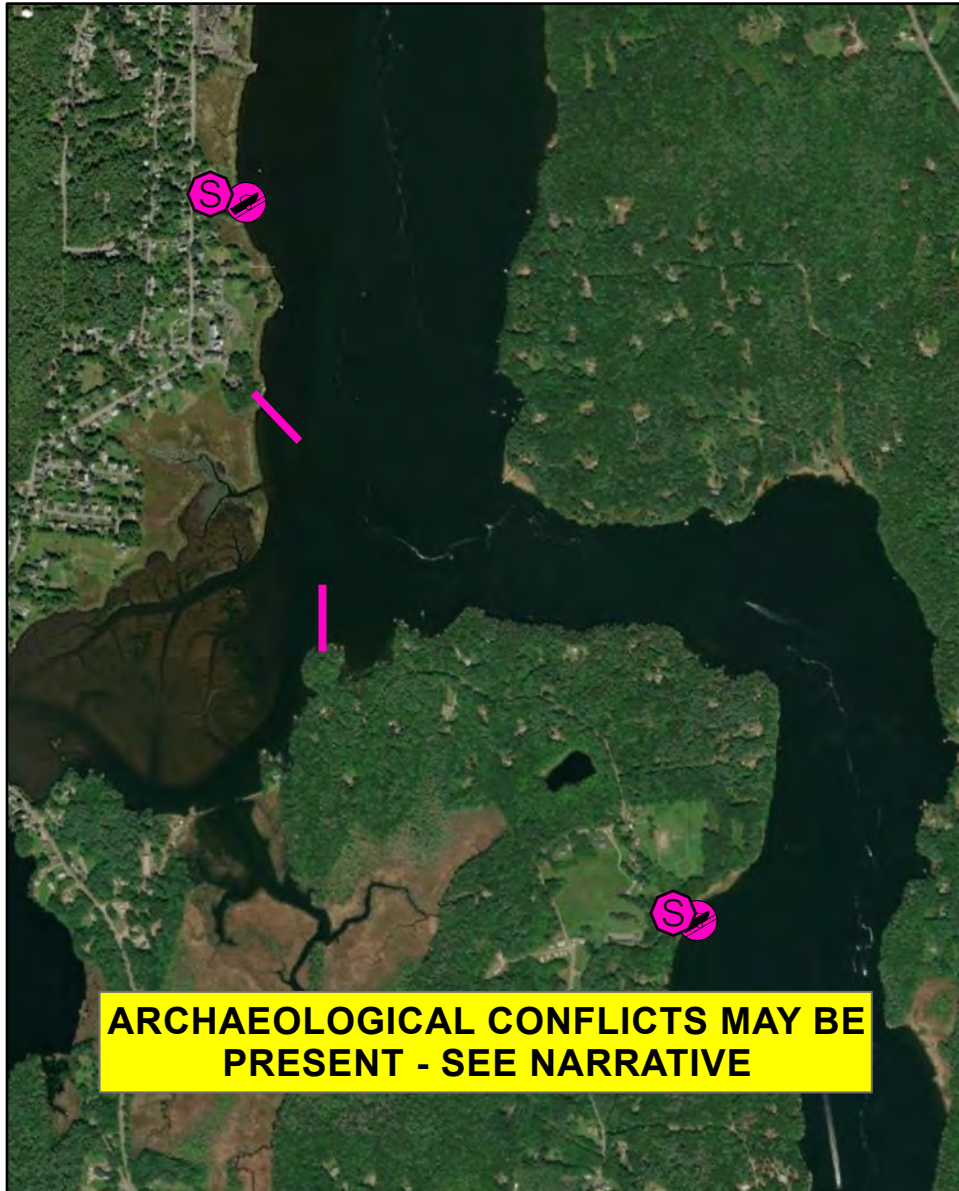
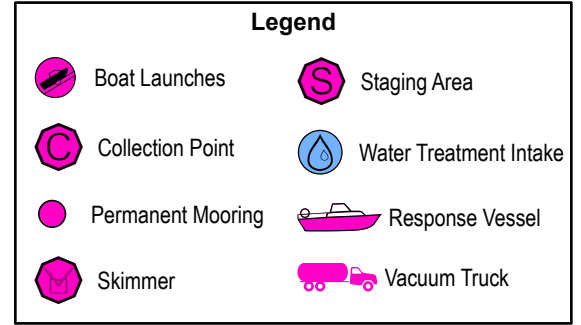
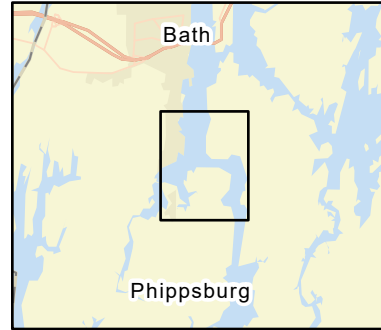
Last Field Test:

B-24-1

Middle Kennebec River / Winnegance Phippsburg, ME



Date printed: 9/10/2022 7:51 PM



B-24-1 Middle Kennebec River / Winnegance

Town	Bath / Arrowsic	Port Region	Casco Bay
Latitude	43° 52.911' N	Longitude	-69° 48.776' W
Approx. Tidal Range (feet)	9	NOAA Chart #	13293_1
Max Current (knots)	Flood Minimal inside cree	Ebb	
Source	Observed	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.

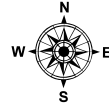
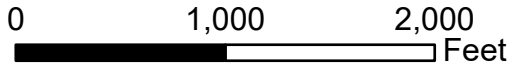
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Last Field Visit

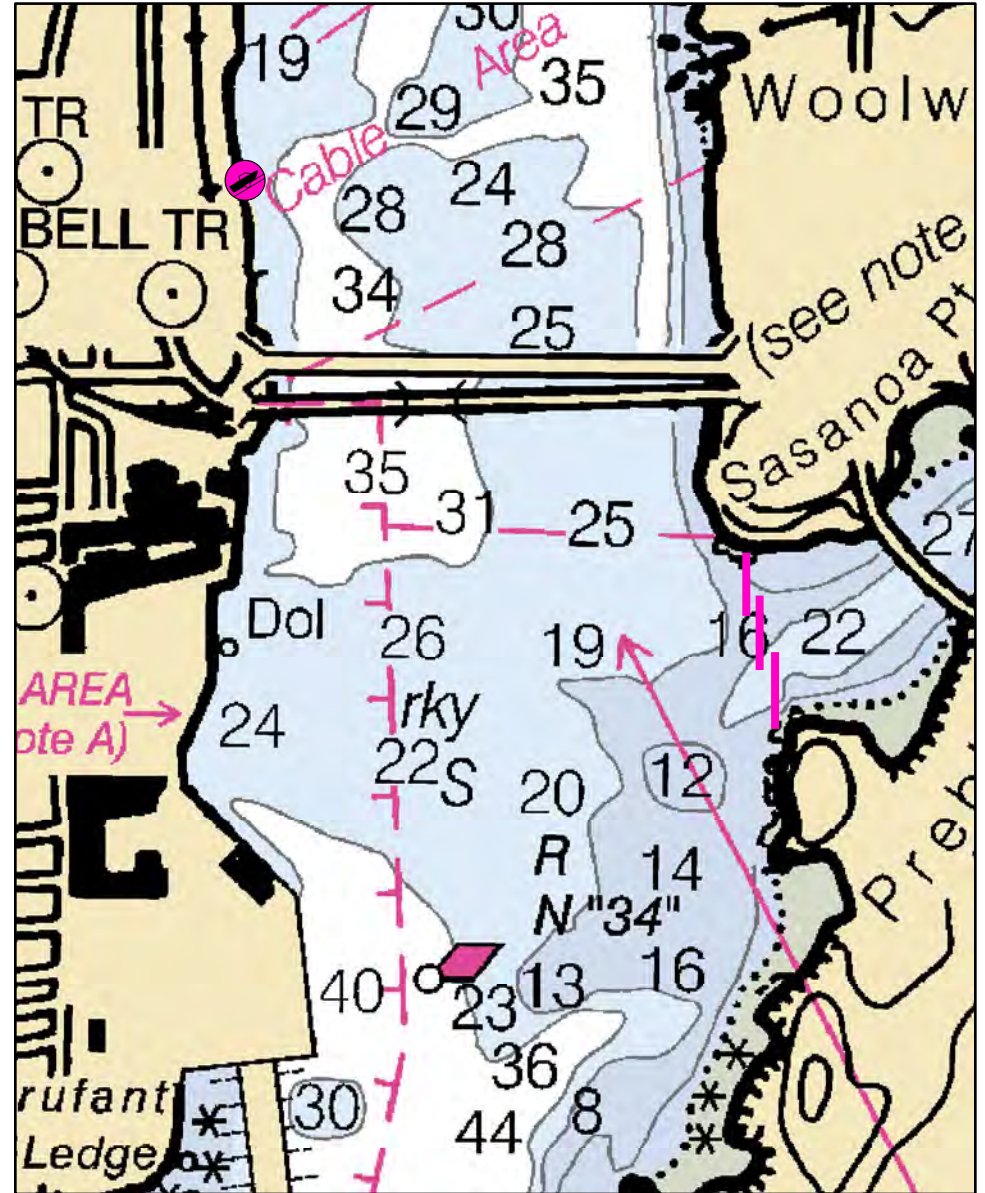
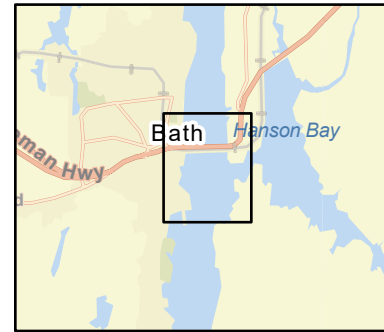
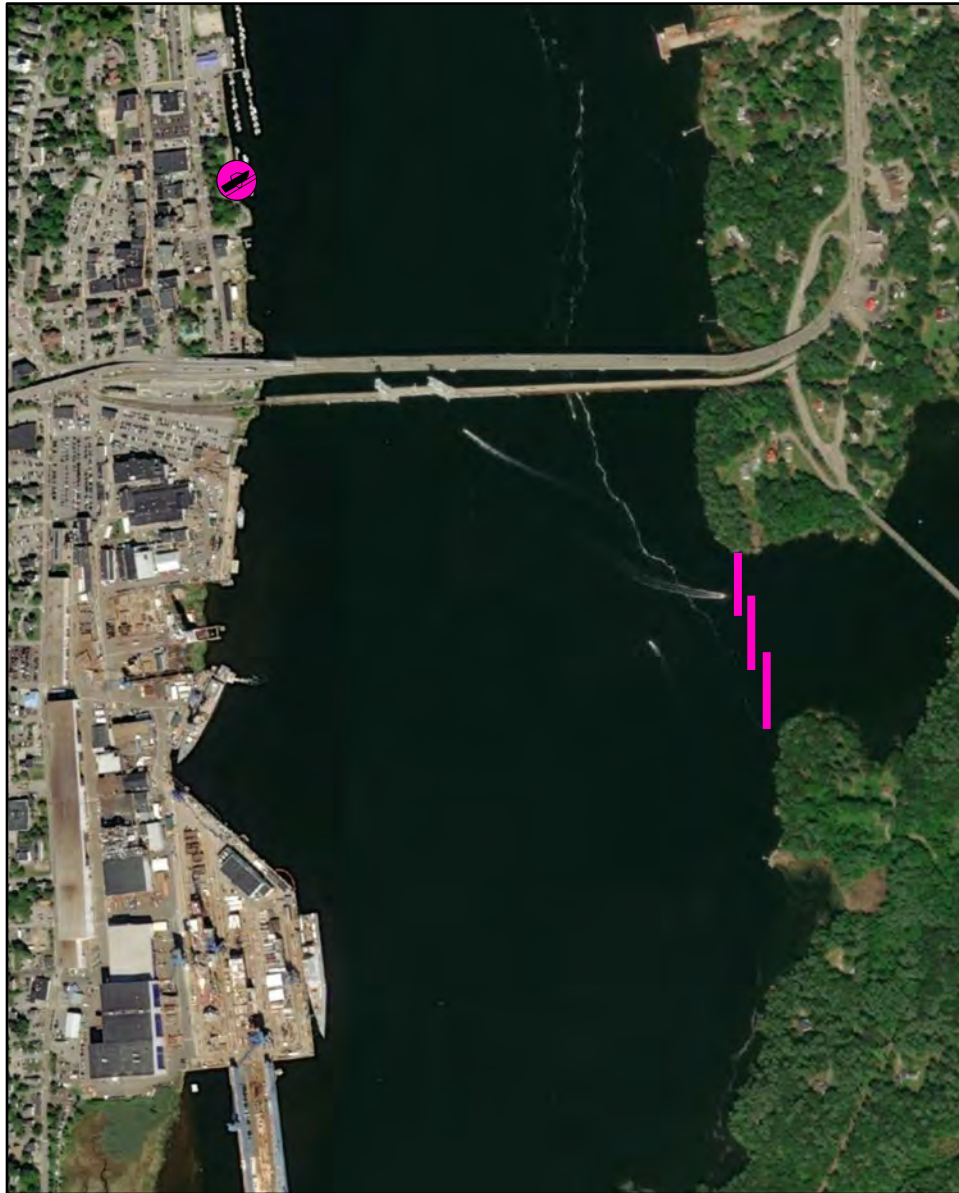
Last Field Test:

B-24-2

Middle Kennebec River / Sasanoa River Woolwich / Arrowsic, ME



Date printed: 9/10/2022 7:51 PM



B-24-2 Middle Kennebec River / Sasanoa River

Town	Woolwich / Arrowsic	Port Region	Casco Bay
Latitude	43° 54.503' N	Longitude	-69 48.201' W
Approx. Tidal Range (feet)	9	NOAA Chart #	13293_1
Max Current (knots)	Flood	ESI Map #	40C
Source	Ebb	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

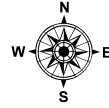
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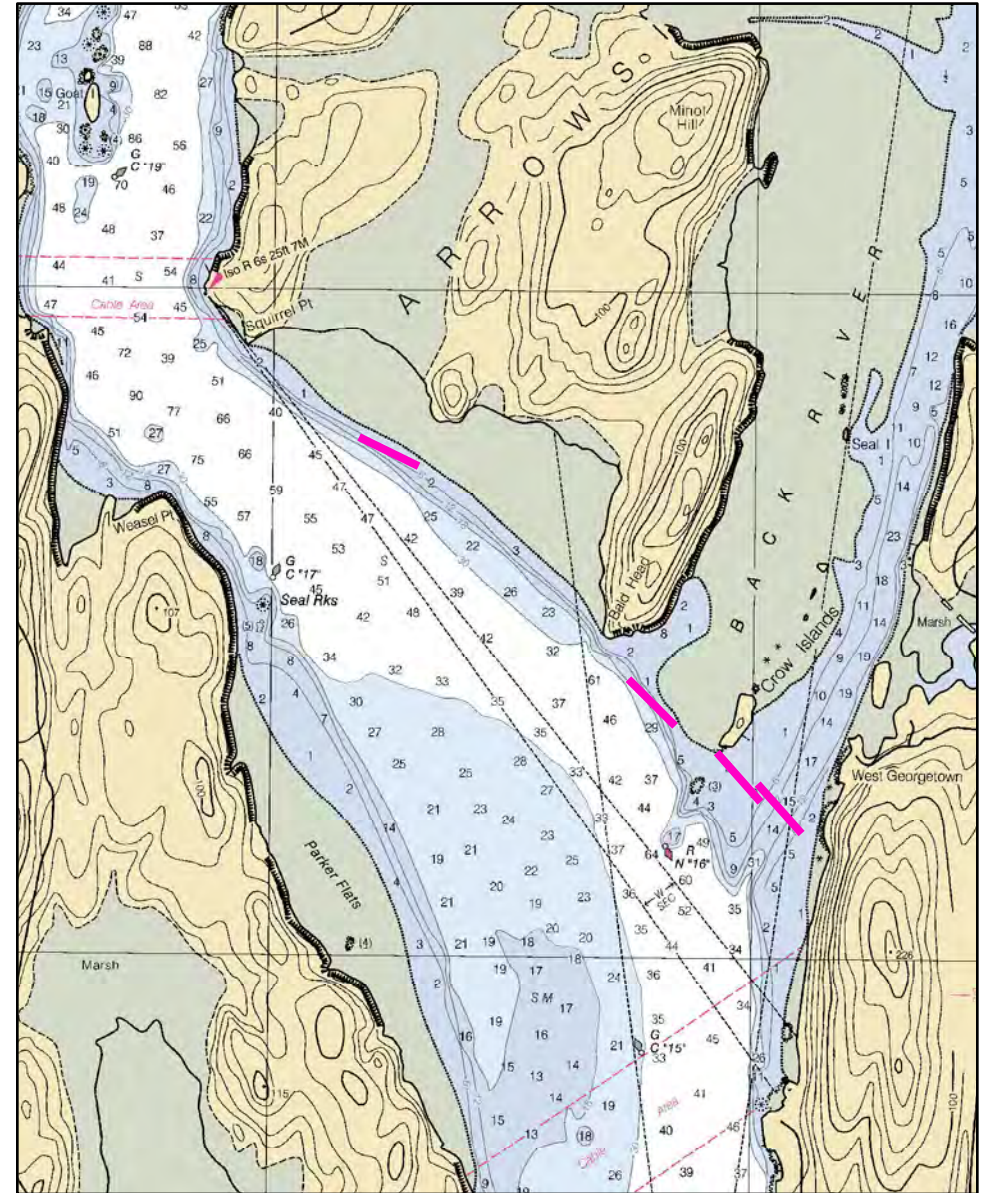
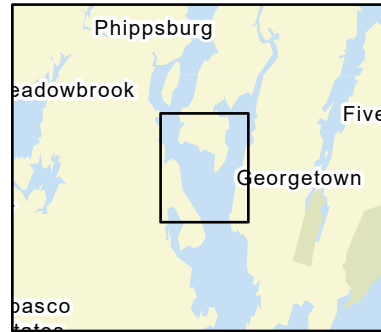
B-25-1

Back River - Spill from Downriver Arrowsic / Georgetown, ME

0 2,000 4,000 Feet



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B-25-1 Back River - Spill from Downriver

Town Arrowsic / Georgetown

Port Region Casco Bay

Latitude 43° 48.154' N **Longitude** -69° 46.733' W

NOAA Chart # 13293_1

Approx. Tidal Range (feet) 9

ESI Map # 46A

Max Current (knots) Flood Ebb

EVI Map # 19

Source **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

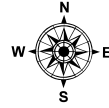
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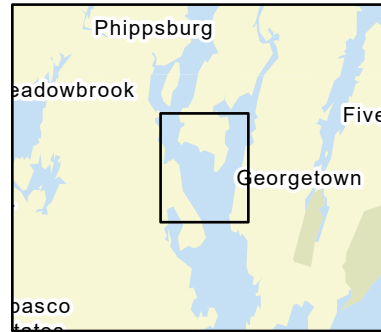
B-25-2

Back River - Spill from Upriver Arrowsic / Georgetown, ME

0 2,000 4,000 Feet

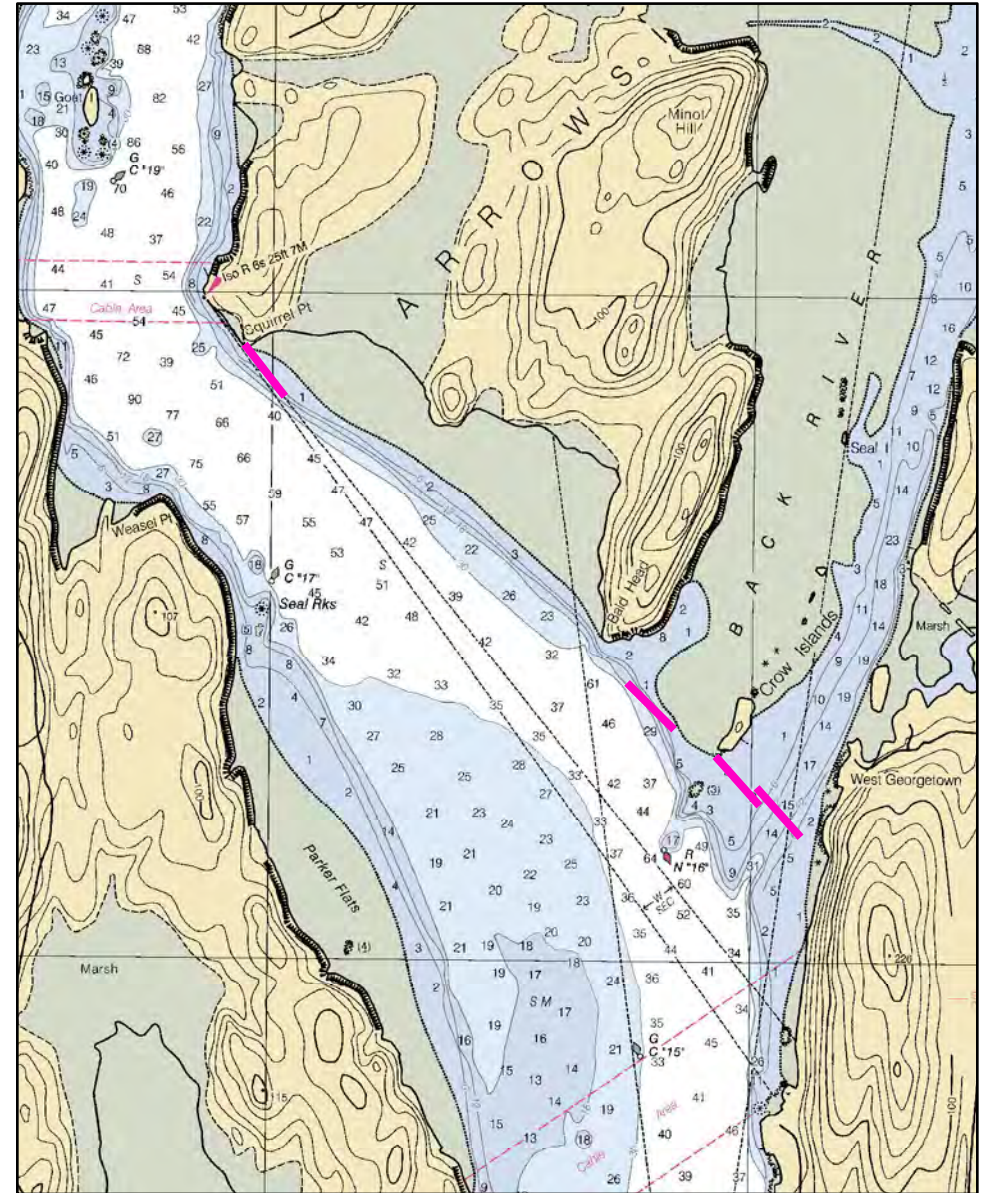


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Legend

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



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.

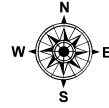
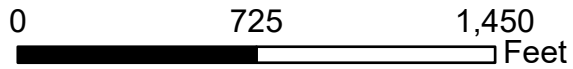
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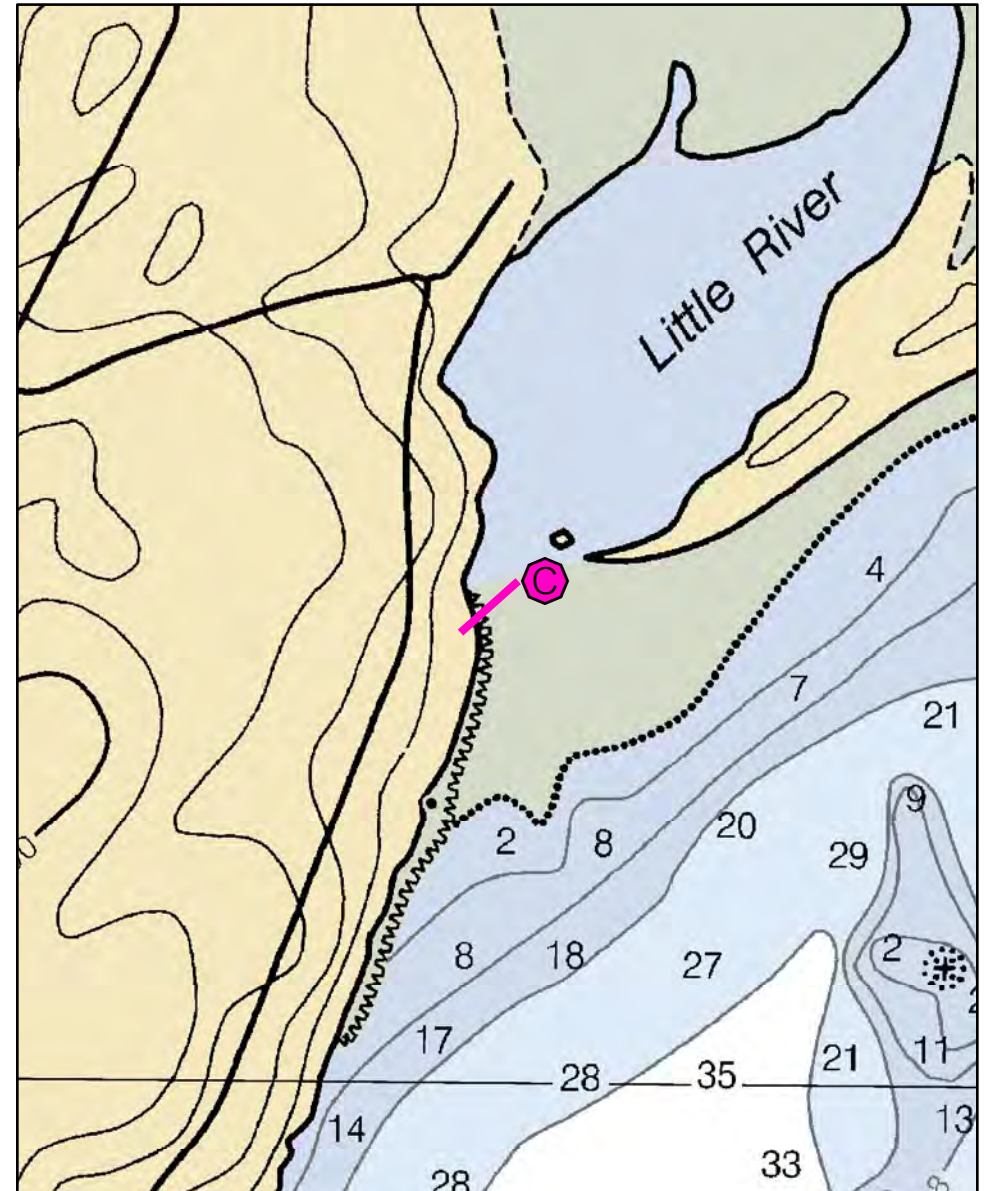
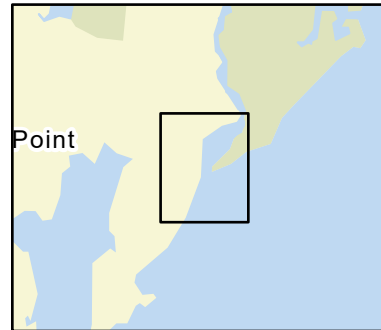
Last Field Test:

B-26-1

Little River - Georgetown Georgetown, ME



Date printed: 9/10/2022 7:51 PM



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.

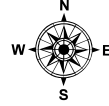
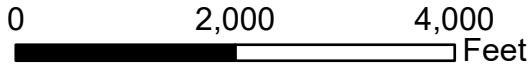
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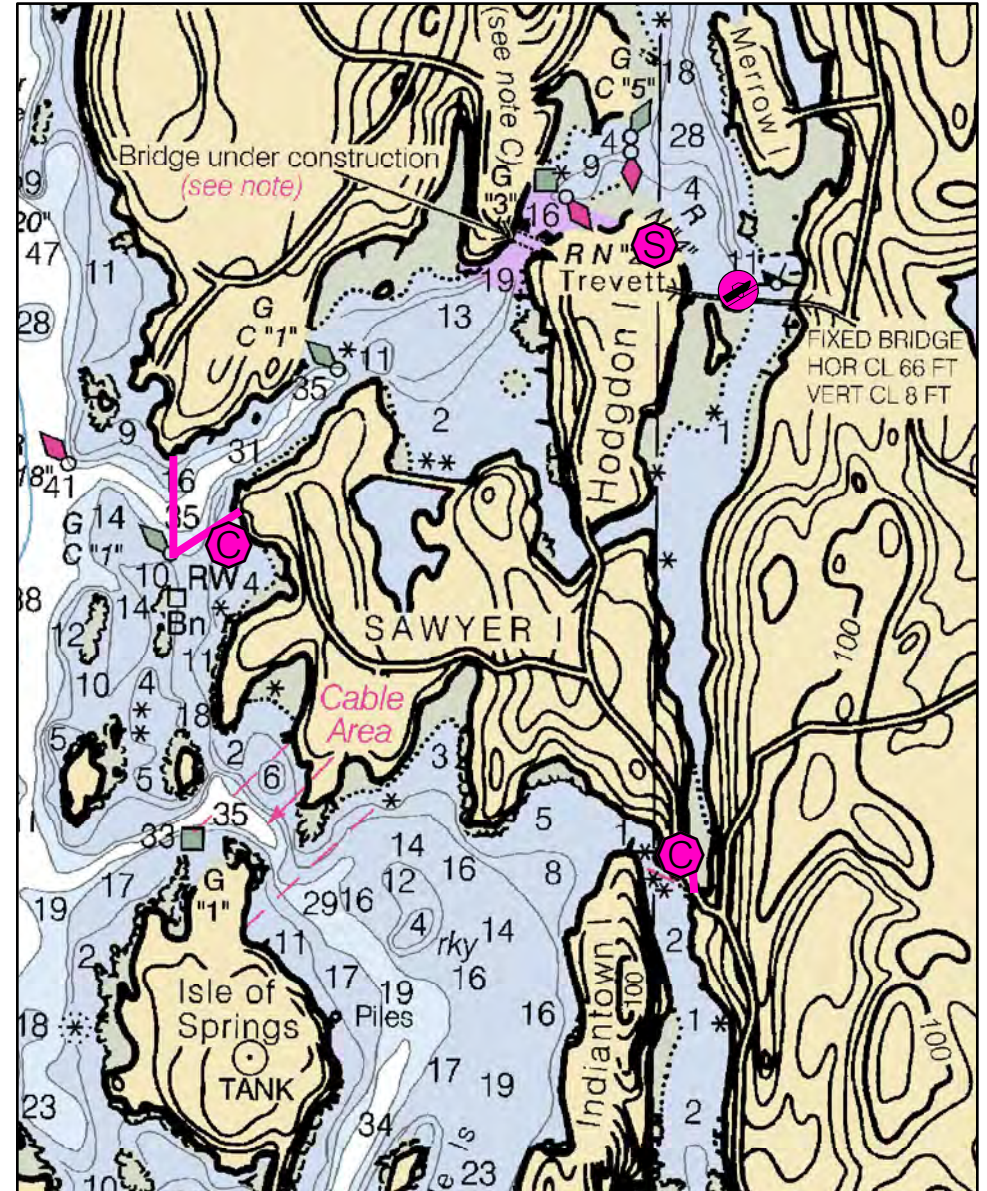
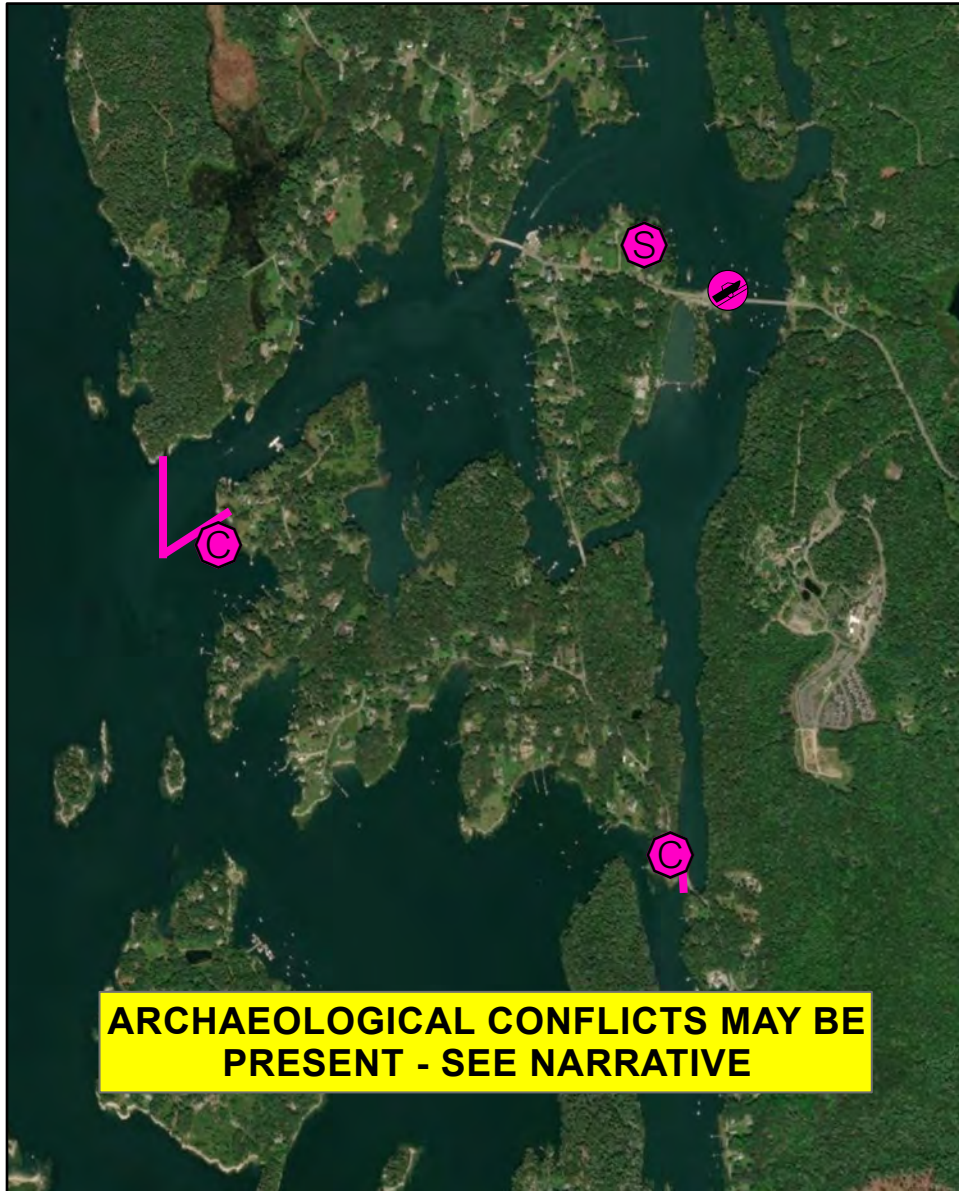
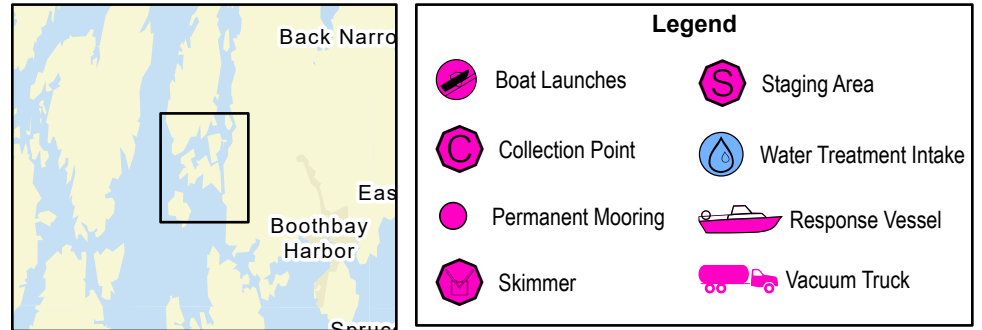
Last Field Test:

B-27-1

Back and Cross Rivers Boothbay, ME



Date printed: 9/10/2022 7:51 PM



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 an 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.

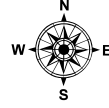
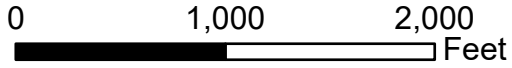
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Last Field Visit 7/20/2004

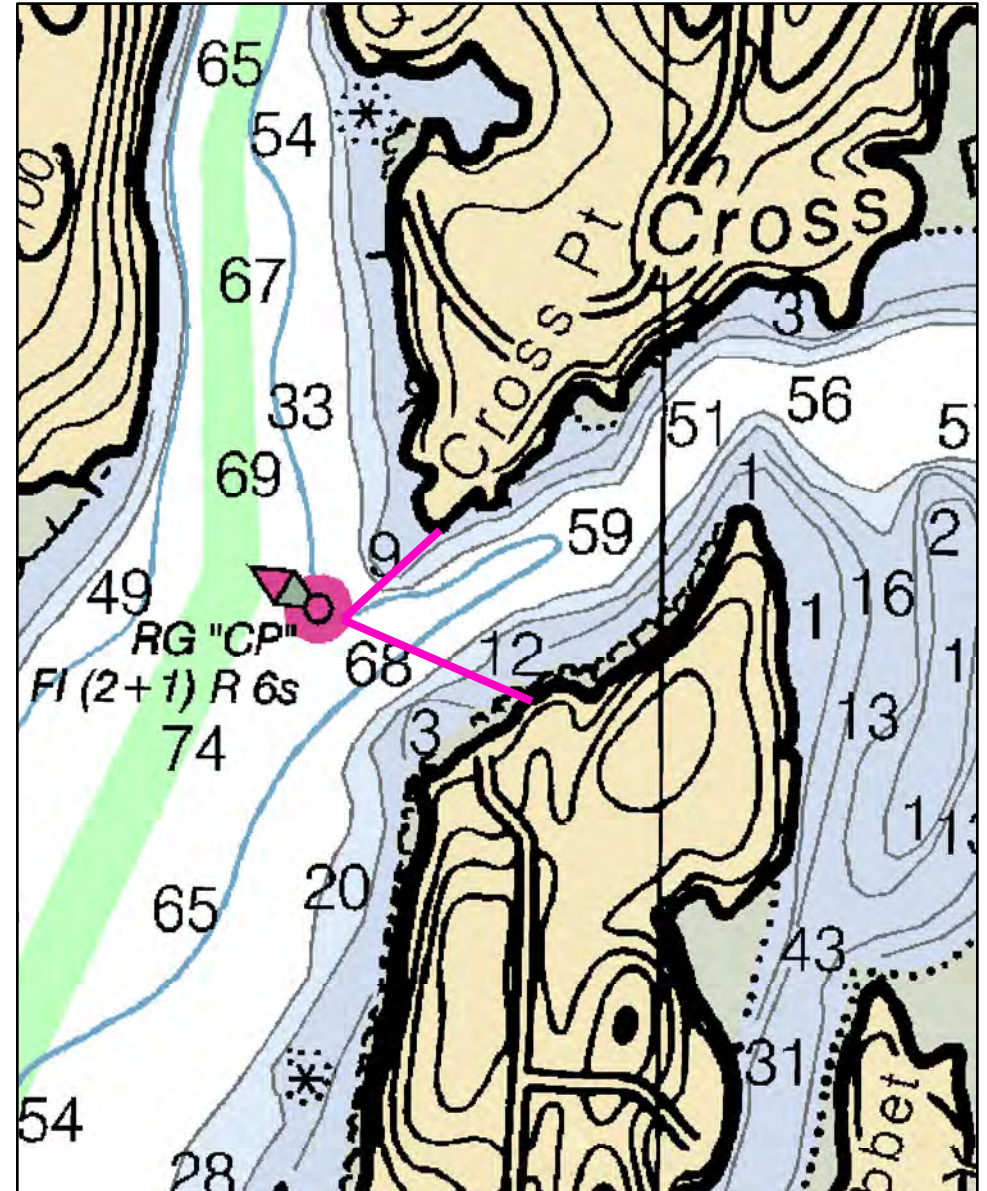
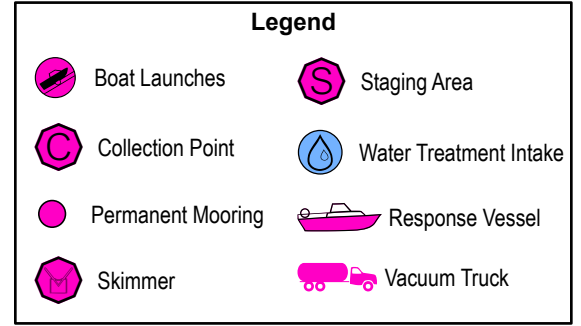
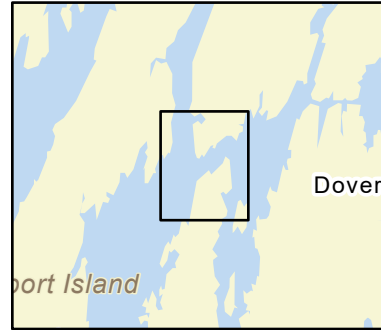
Last Field Test:

B-28-1

Cross River at Sheepscot River Edgecomb / Boothbay, ME



Date printed: 9/10/2022 7:51 PM



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 Barter'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

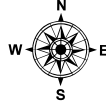
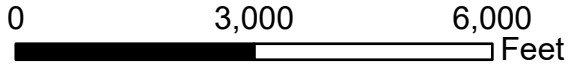
Last Field Visit: 7/20/2004

Last Field Test:

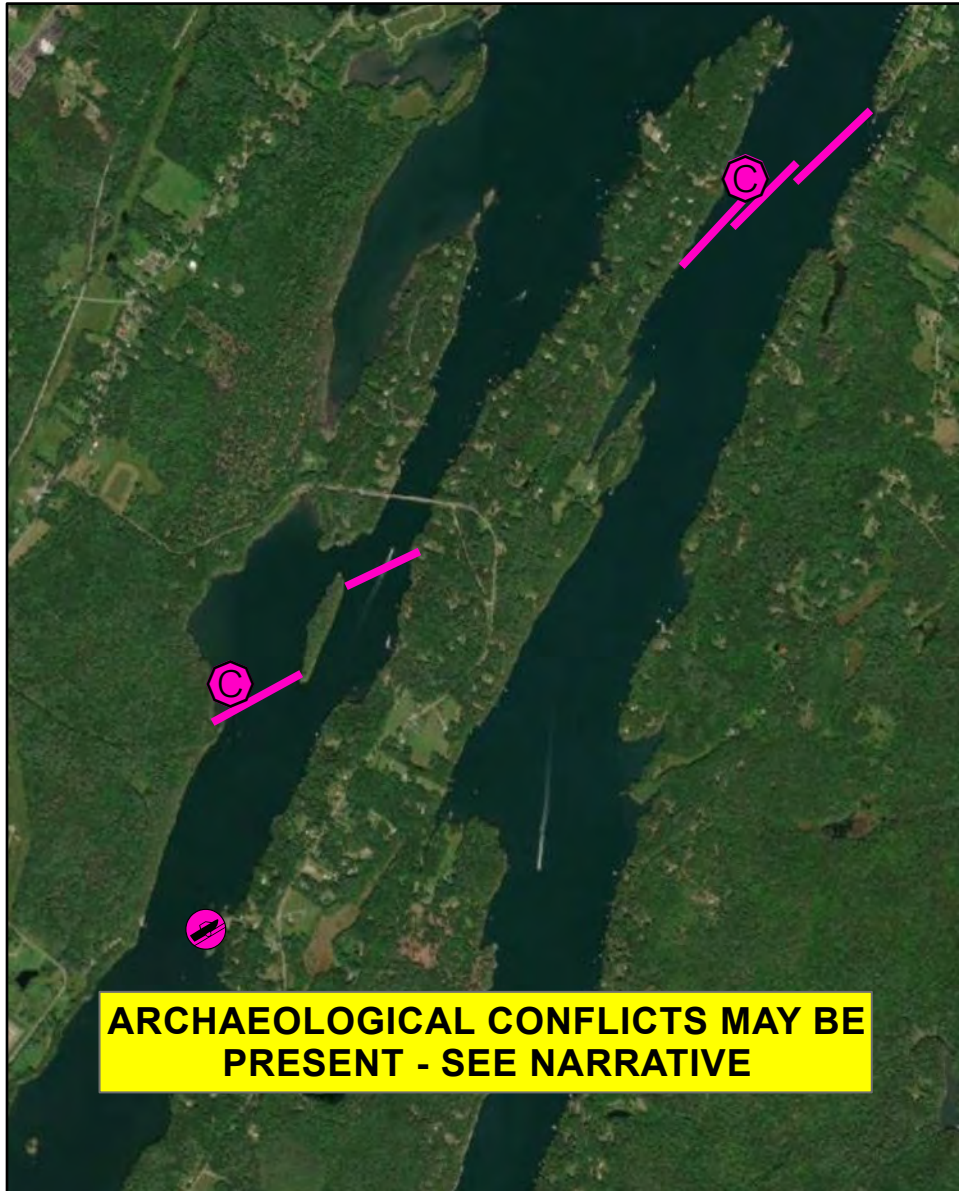
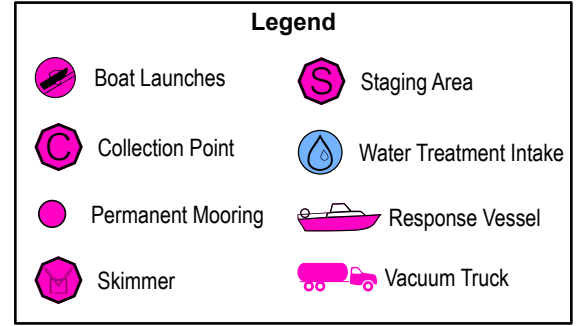
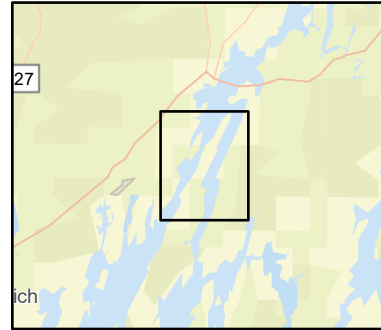
B-29-1

North Edgecomb / Cushman Point

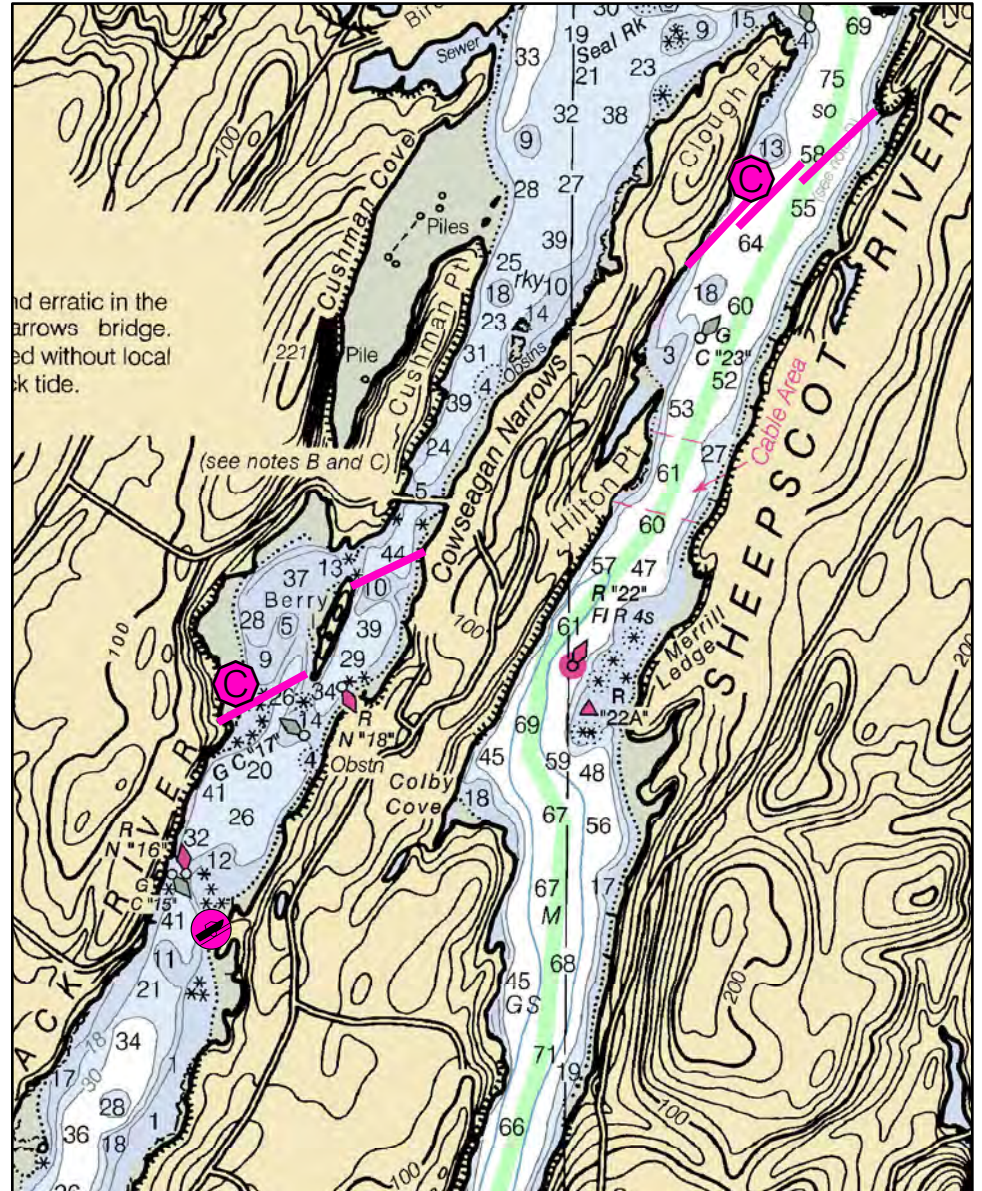
Wiscasset / Westport / Edgecomb, ME



Date printed: 9/10/2022 7:51 PM



ARCHAEOLOGICAL CONFLICTS MAY BE PRESENT - SEE NARRATIVE



B-29-1 North Edgecomb / Cushman Pt.

Town Wiscasset / Westport / Edgecomb

Port Region Casco Bay

Latitude 43° 59.03' N **Longitude** 69° 39.50' W

NOAA Chart # 13293_1

Approx. Tidal Range (feet) 10

ESI Map # 39D

Max Current (knots) **Flood** 1.6 **Ebb**

EVI Map # 32

Source Maine Yankee (at Cushman Pt)

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.

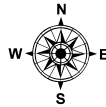
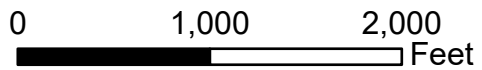
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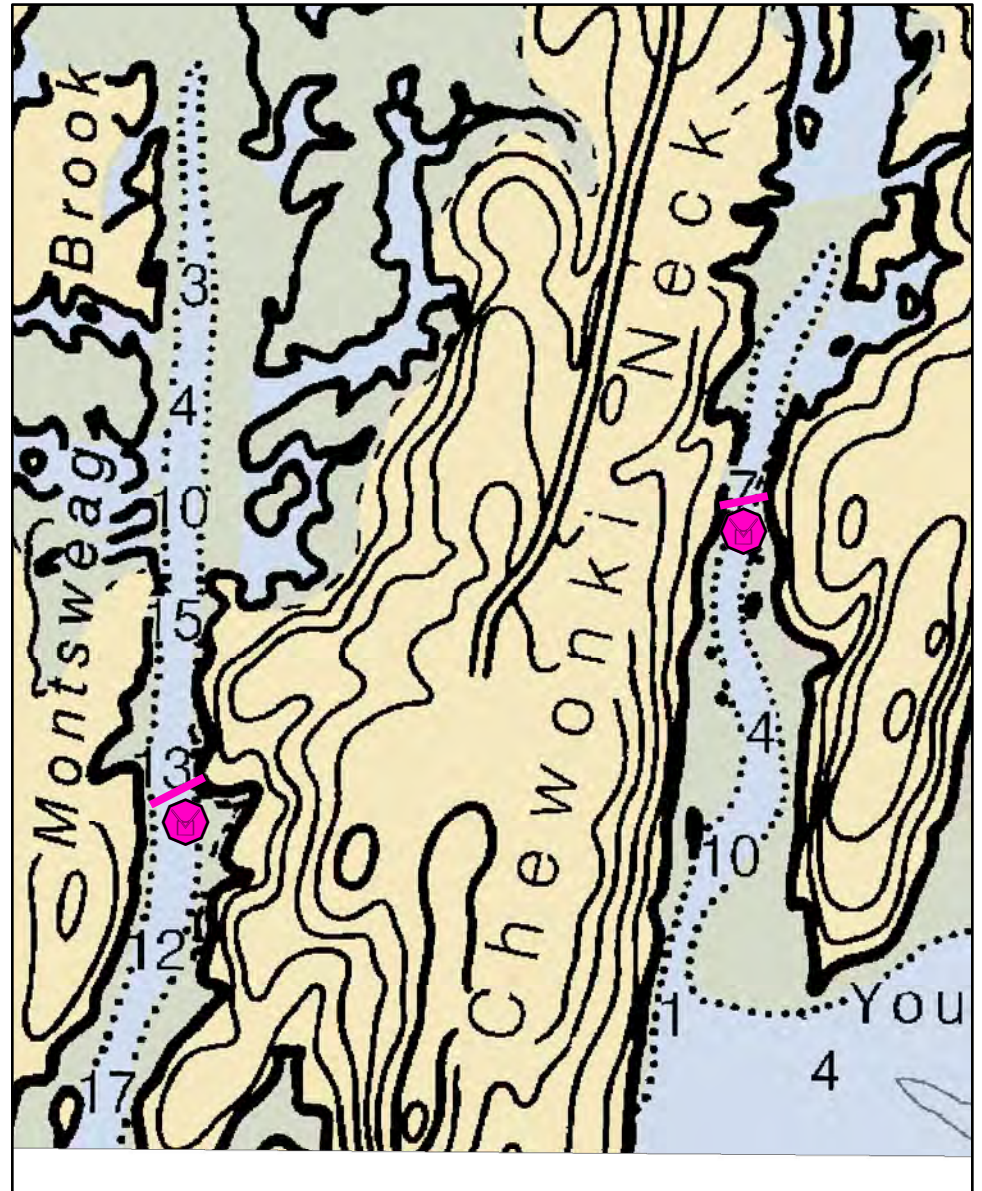
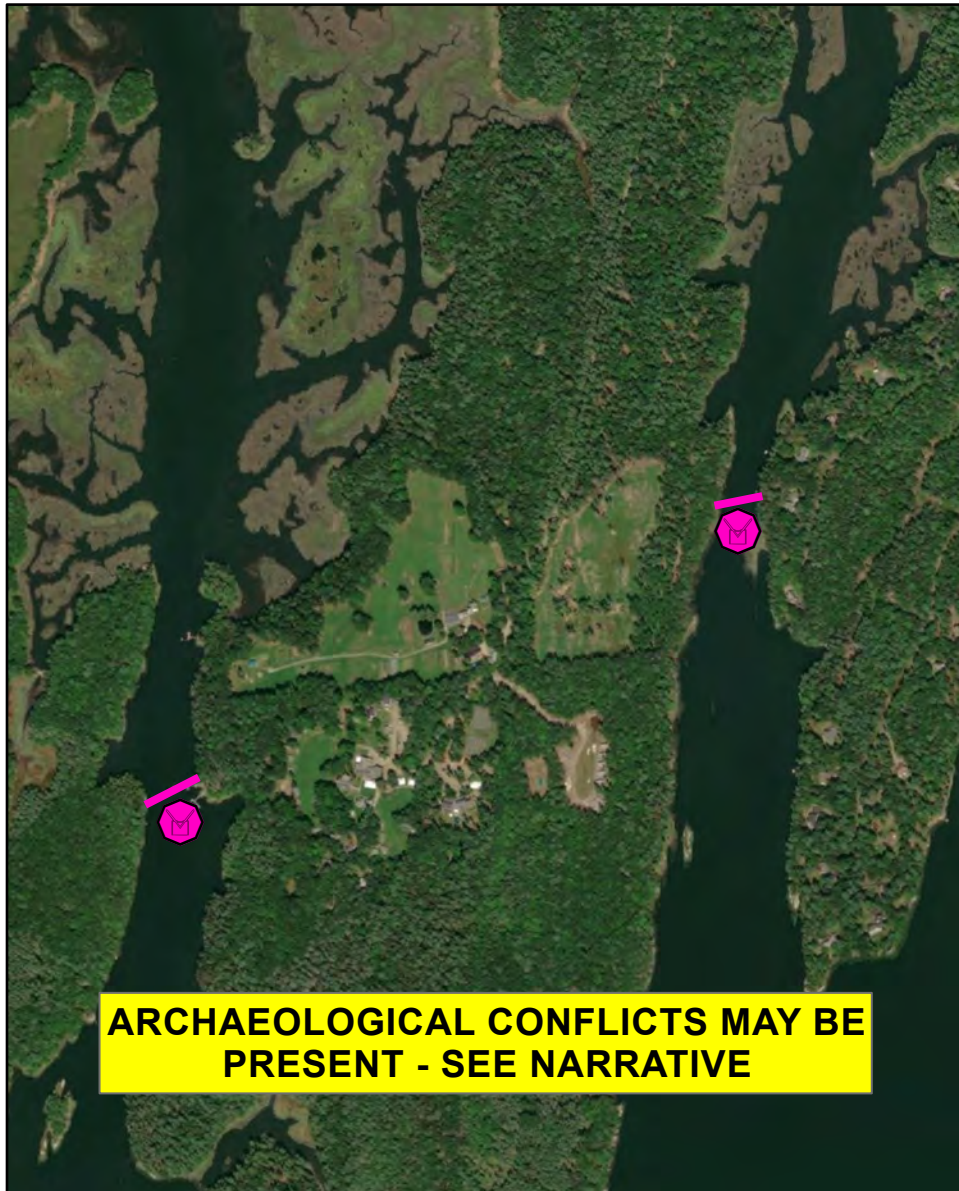
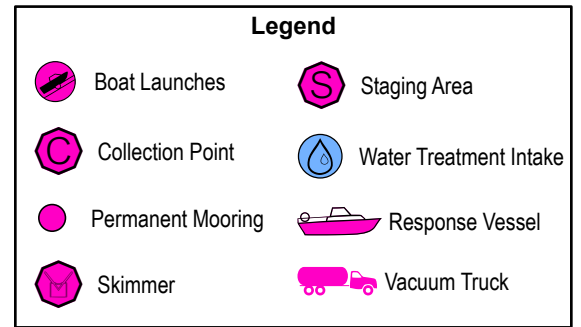
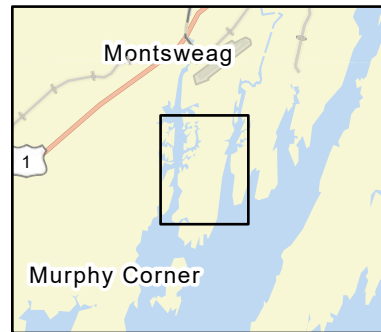
Last Field Test:

B-30-1

Chewonki Nick / Montsweag Bay Wiscasset, ME



Date printed: 9/13/2022 8:33 AM



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.

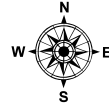
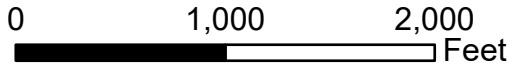
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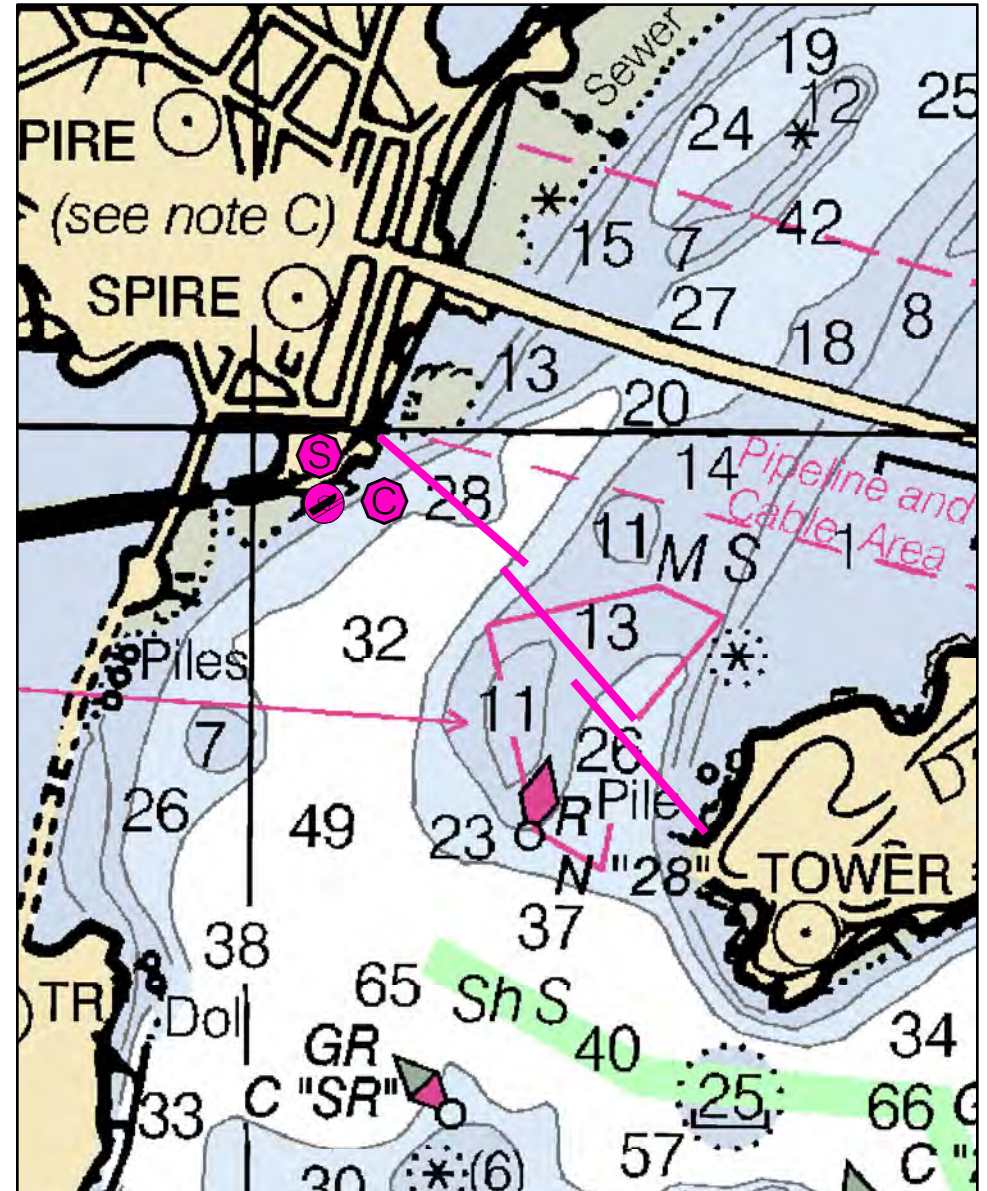
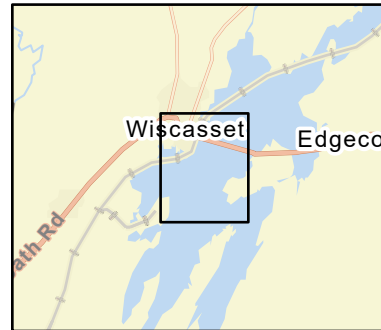
Last Field Test:

B-31-1

Sheepscot River, Wiscasset Wiscasset / Edgecomb, ME



Date printed: 9/10/2022 7:51 PM



B-31-1 Sheepscot River, Wiscasset

Town Wiscasset / Edgecomb

Port Region Casco Bay

Latitude 44° 1.02' N **Longitude** 69° 39.56' W

NOAA Chart # 13293_1

Approx. Tidal Range (feet) 9

ESI Map # 39B, 39D

Max Current (knots) **Flood** 1.2 **Ebb**

EVI Map # 32

Source Measured

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.

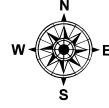
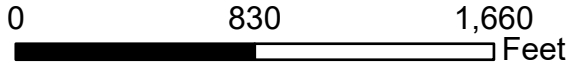
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Last Field Visit 7/20/2004

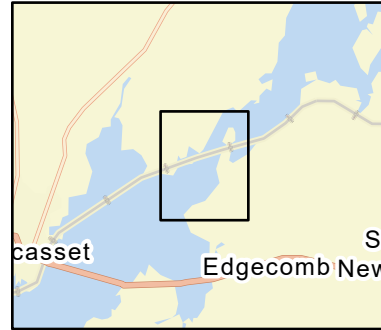
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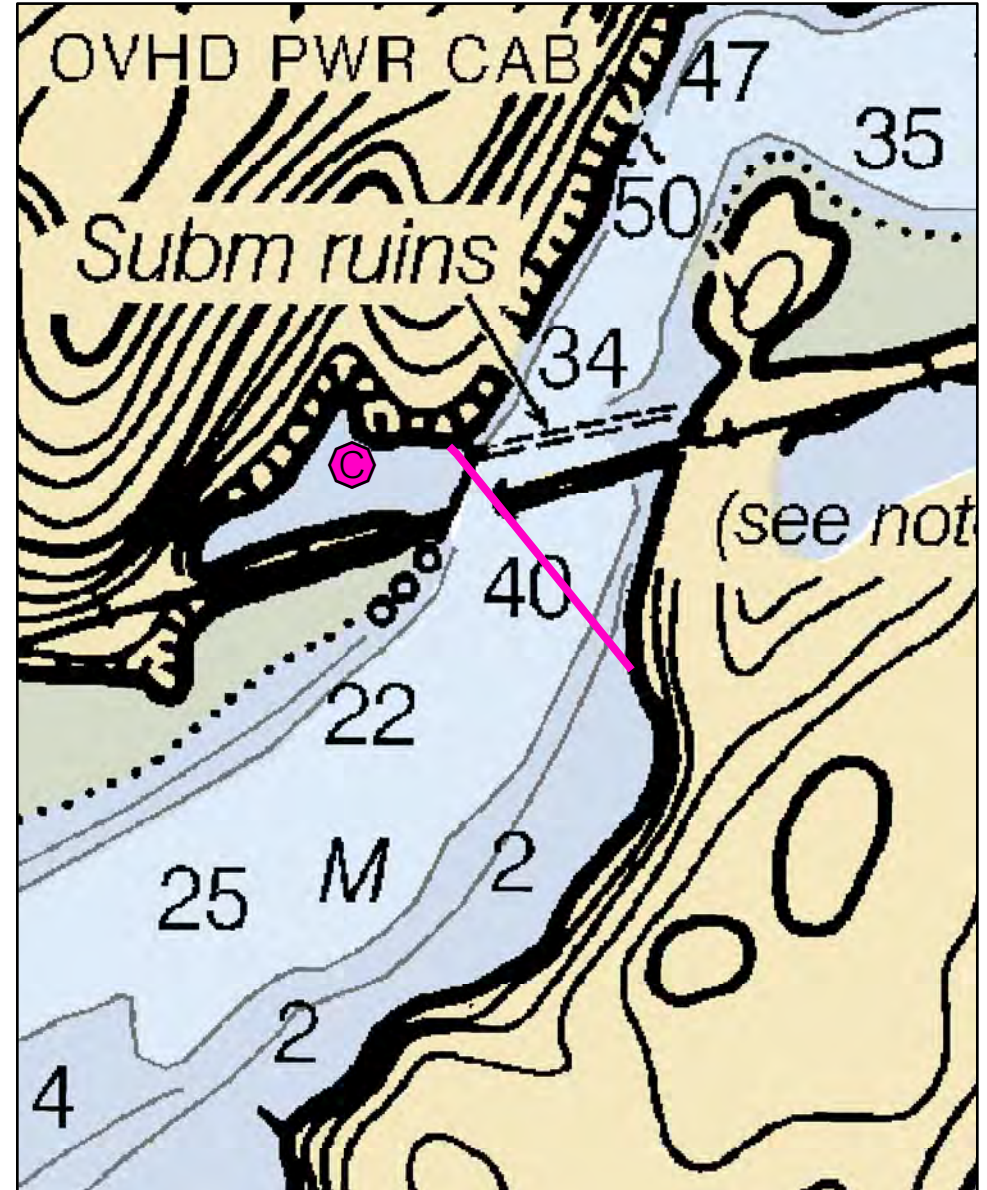
Upper Sheepscot River / Marsh River Newcastle, ME



Date printed: 9/10/2022 7:51 PM



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



B-32-1 Upper Sheepscot / Marsh River

Town	Newcastle	Port Region	Casco Bay
Latitude	44° 00.87' N	Longitude	69° 38.41' W
Approx. Tidal Range (feet)	9	NOAA Chart #	13293_1
Max Current (knots)	Flood <0.7	ESI Map #	39B
Source	Measured	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.

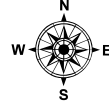
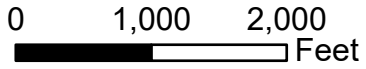
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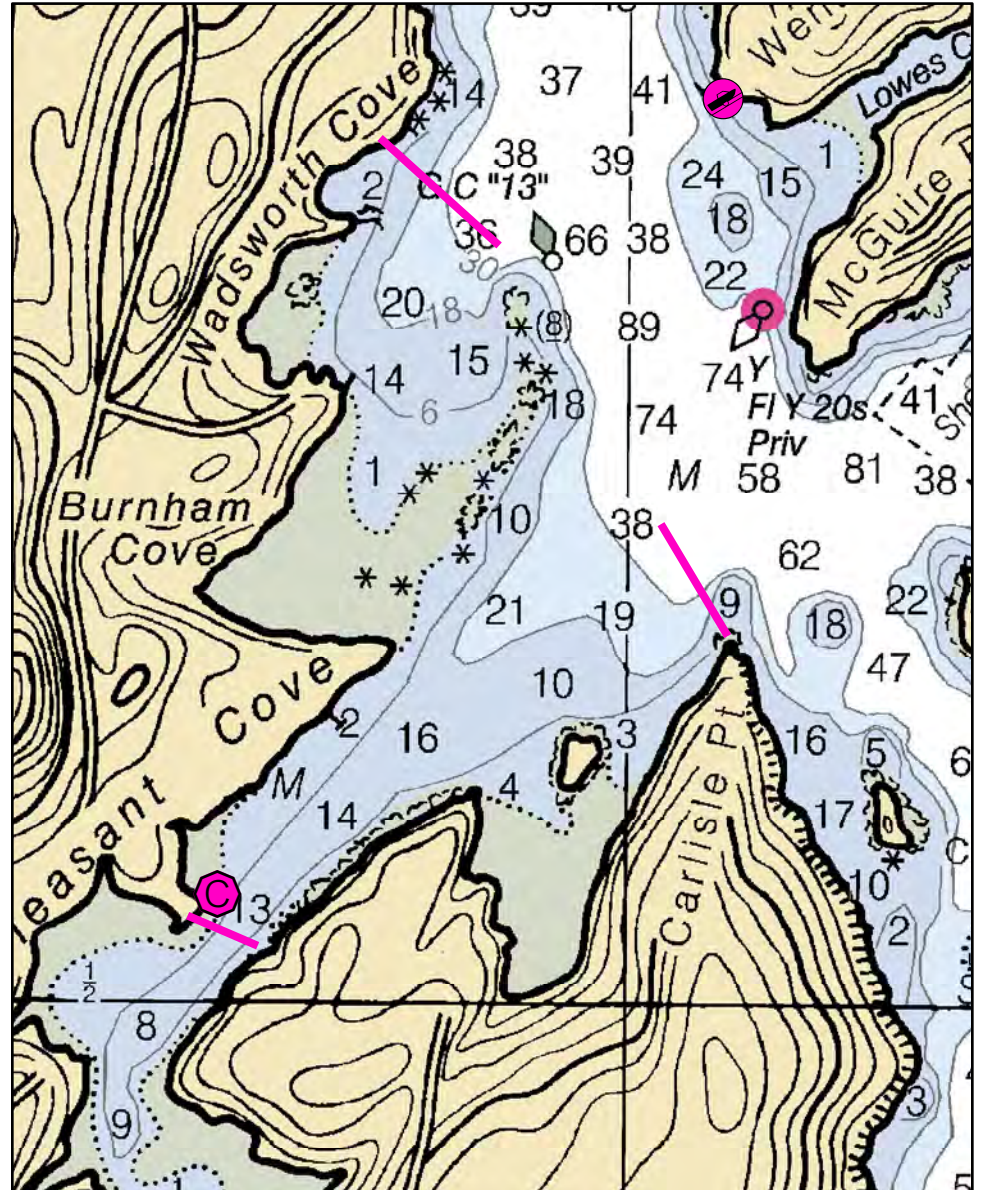
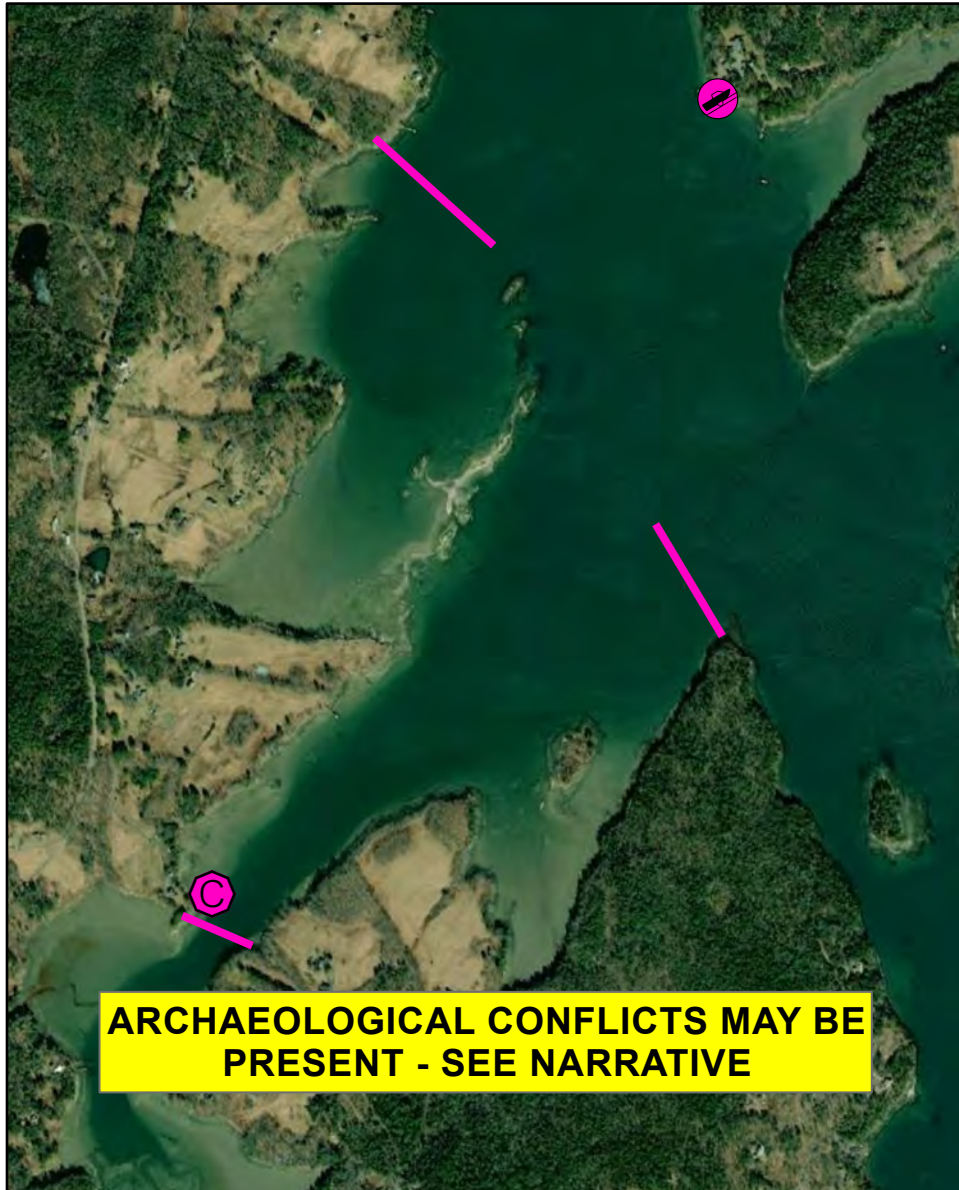
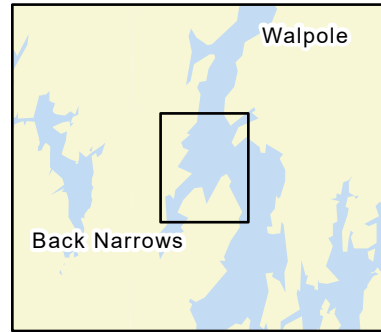
Last Field Test:

B-33-1

Pleasant Cove, Damariscotta River Boothbay, ME



Date printed: 9/10/2022 7:51 PM



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

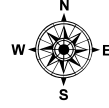
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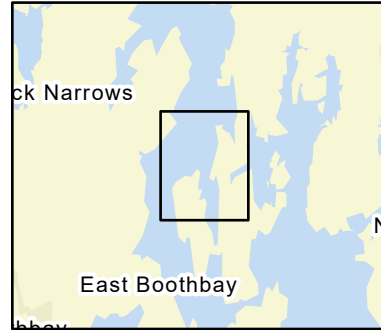
B-34-1

Seal Cove, Damariscotta River South Bristol, ME

0 1,000 2,000
Feet

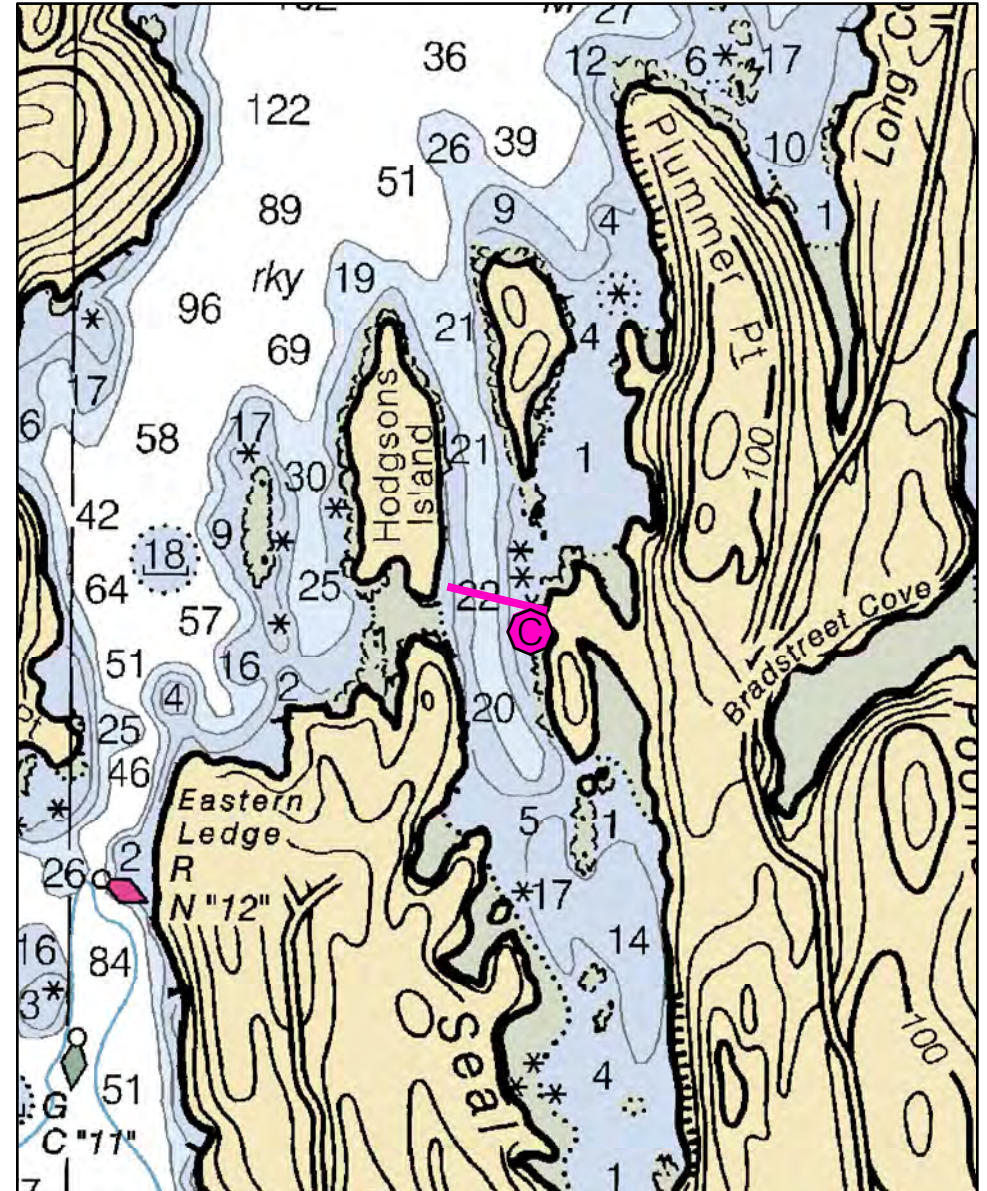
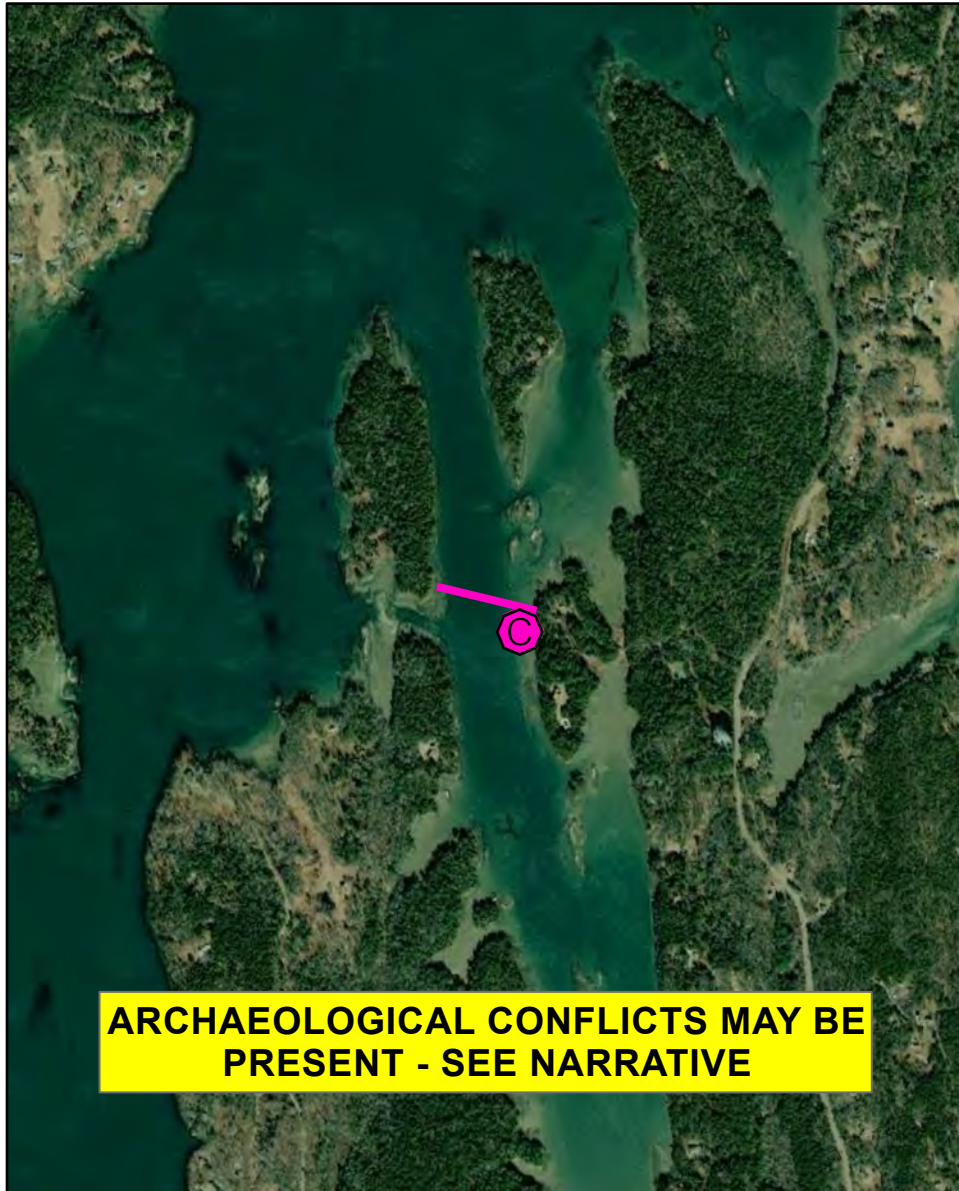


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Legend

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



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

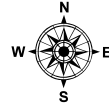
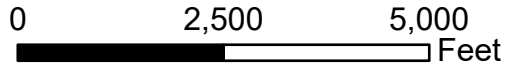
Last Field Visit 10/17/2005

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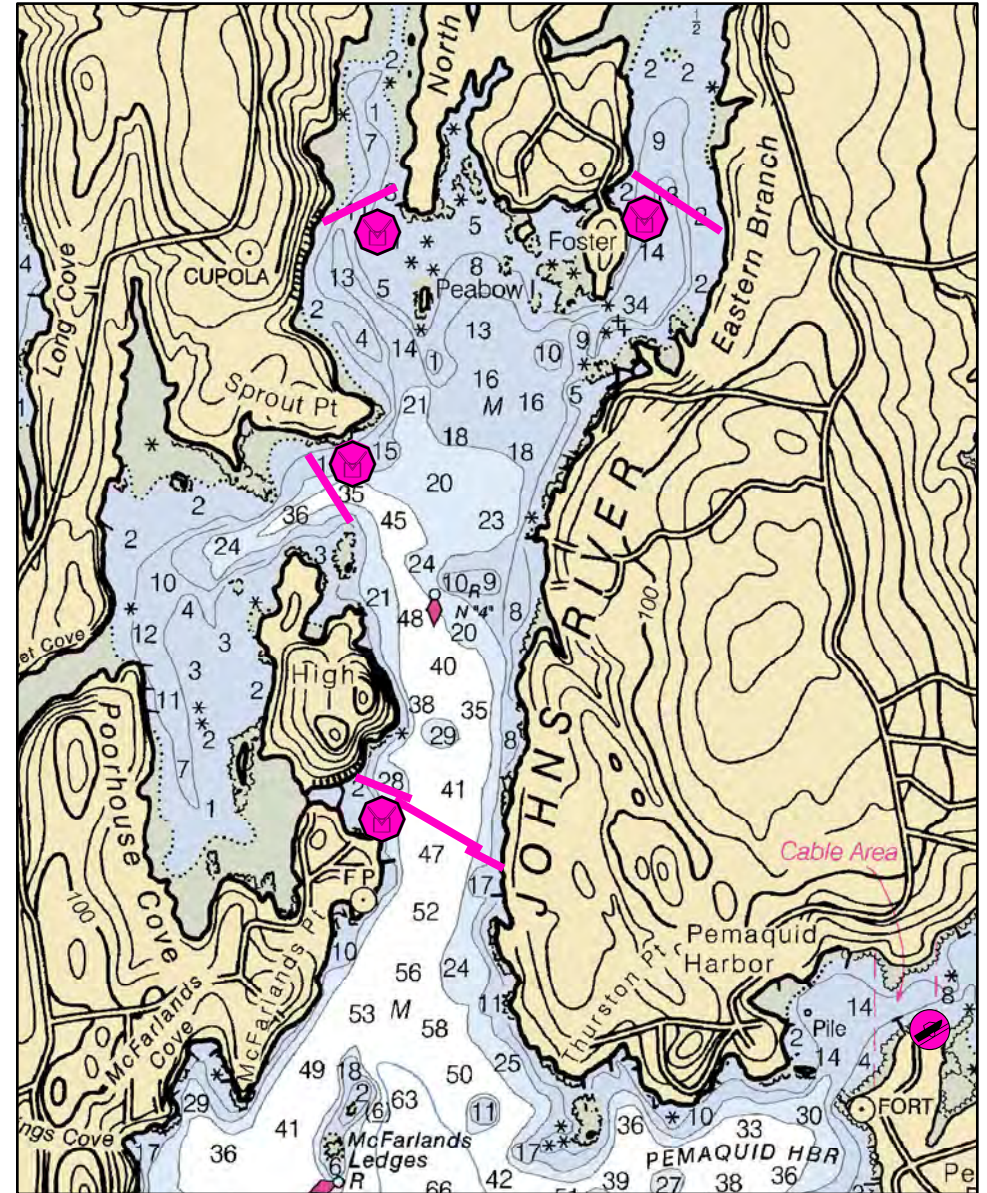
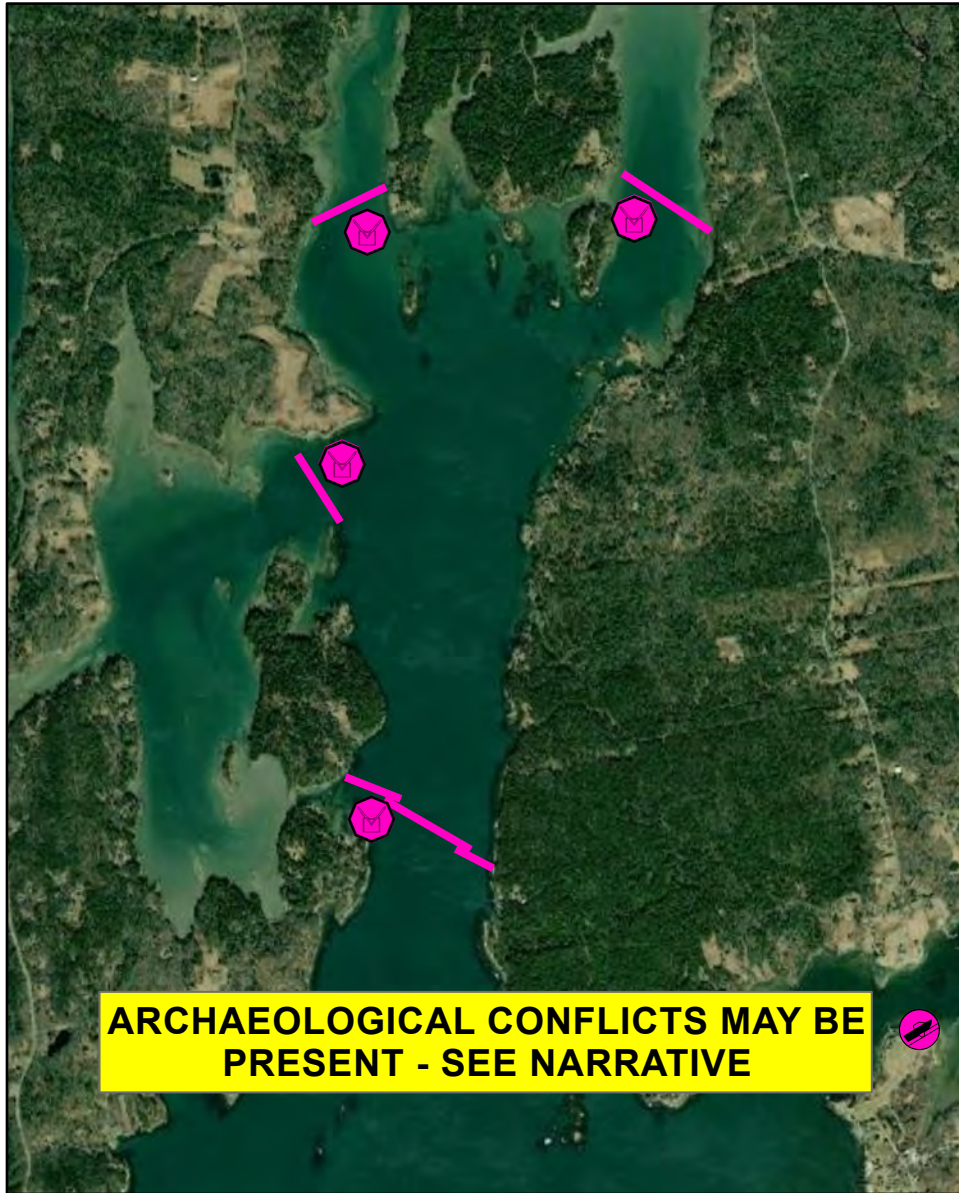
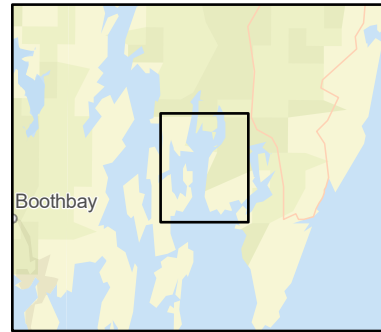
B-35-1

Johns River

South Bristol / Bristol, ME



Date printed: 9/13/2022 8:34 AM



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:

4 - 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
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

Secondaries:

3 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoy
6 - shoreside connections
3 - on water skimmers
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.

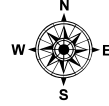
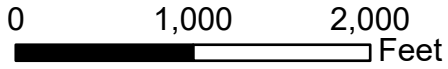
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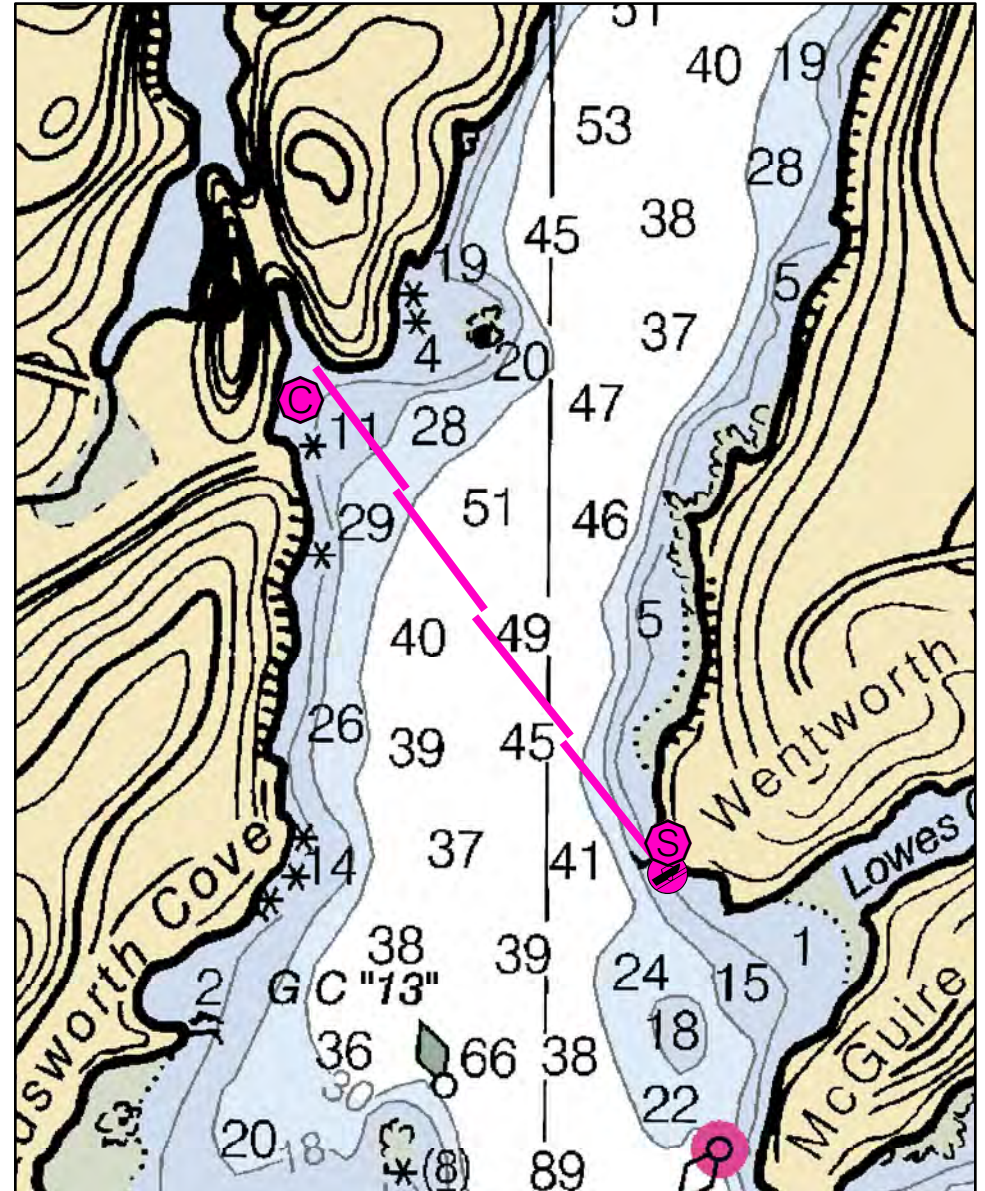
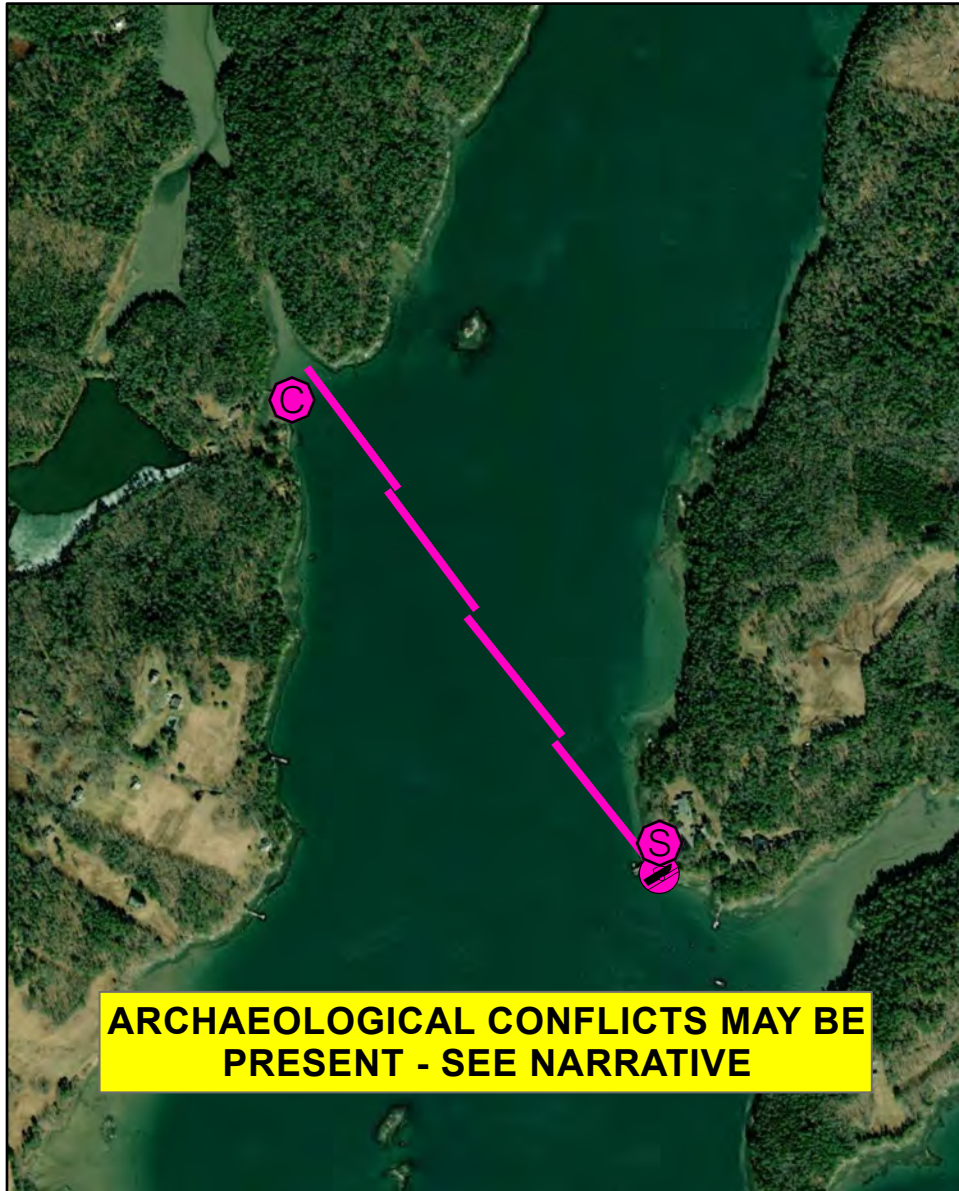
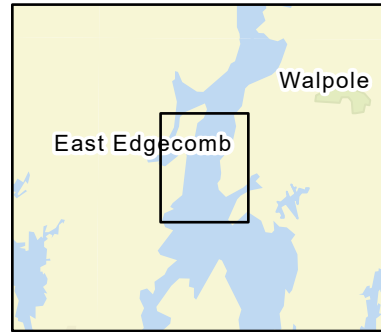
Last Field Test:

B-36-1

Upper Damariscotta River South Bristol / Edgecomb, ME



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B-36-1 Upper Damariscotta River

Town Edgecomb / South Bristol

Port Region Casco Bay

Latitude 43° 56.346' N **Longitude** 69° 35.071' W

NOAA Chart # 13293_1

Approx. Tidal Range (feet) 10

ESI Map # 39C

Max Current (knots) **Flood** 3 knots **Ebb**

EVI Map # 33

Source **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

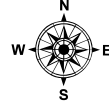
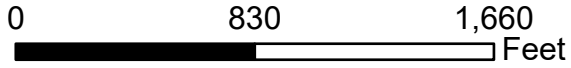
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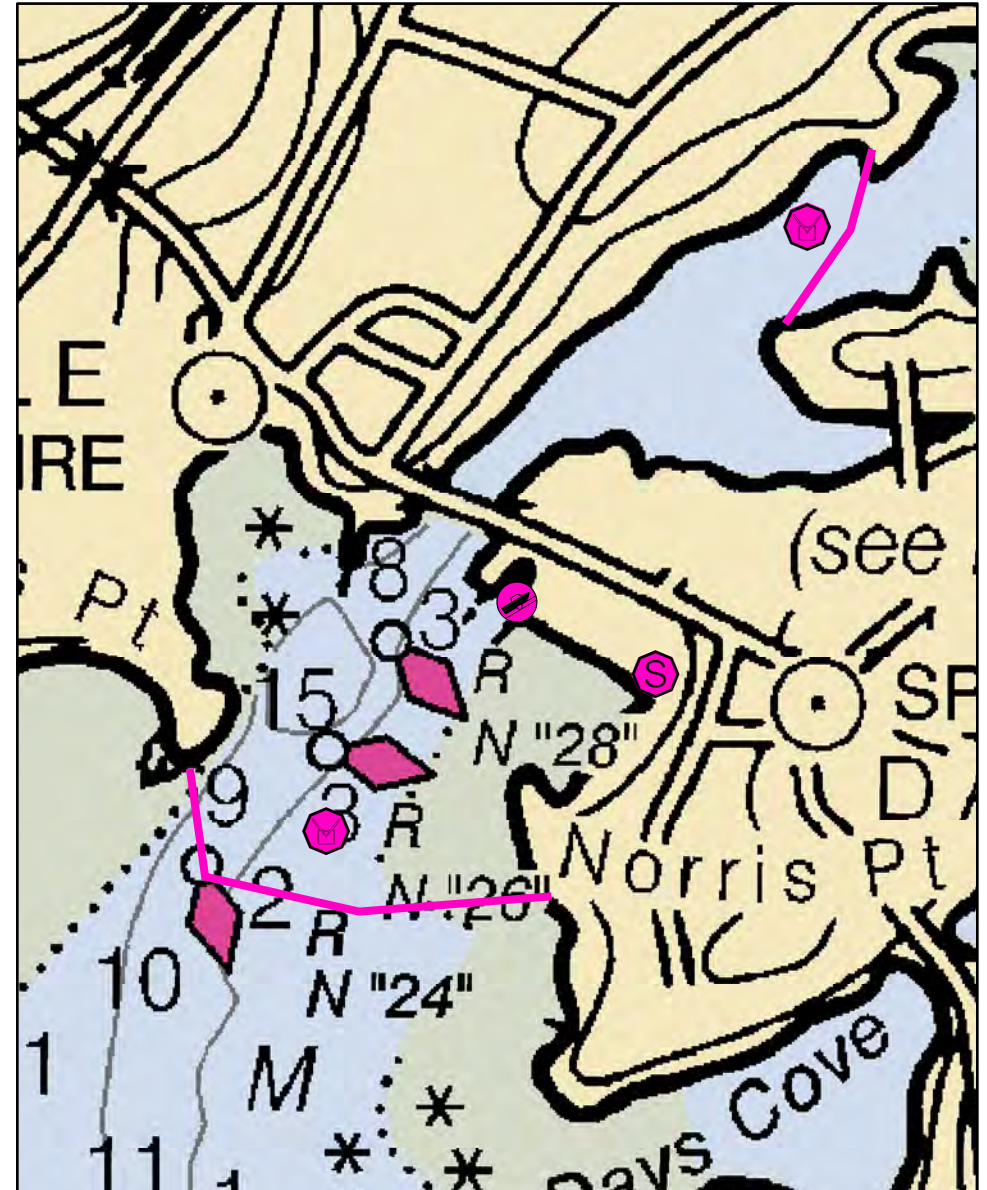
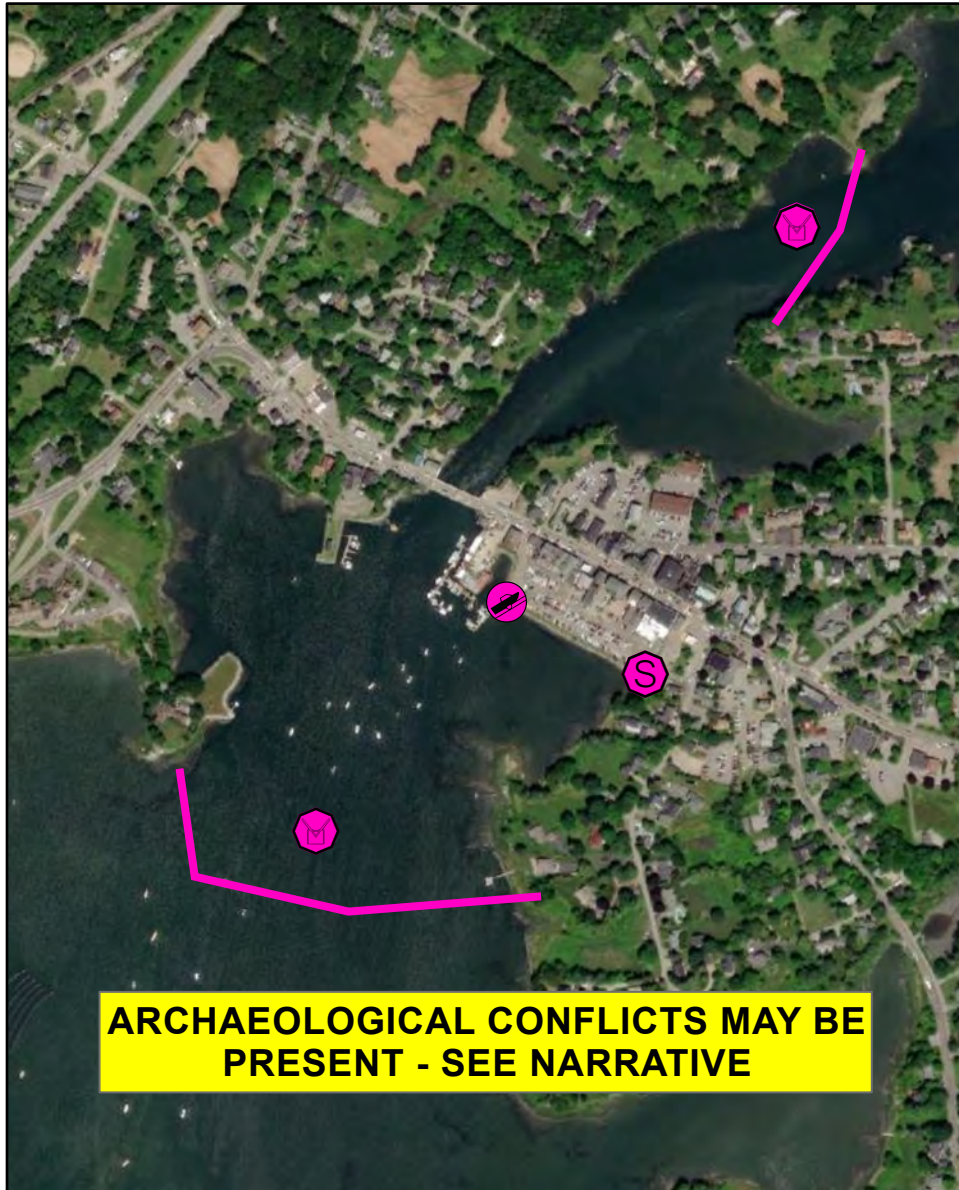
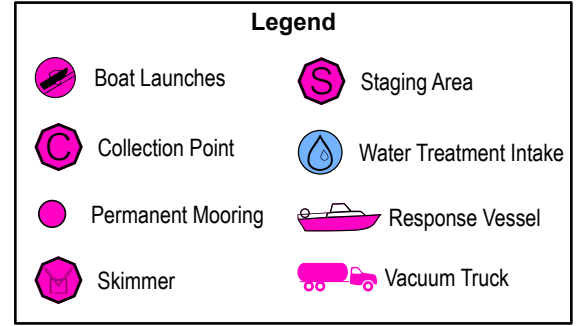
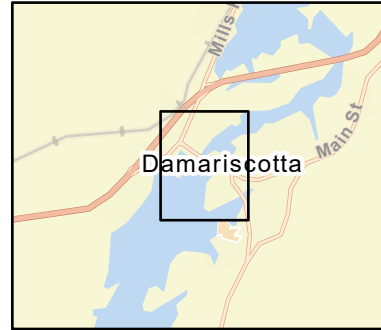
B-37-1

Damariscotta Harbor

Damariscotta / Newcastle, ME



Date printed: 9/13/2022 8:34 AM



B-37-1 Damariscotta Harbor

Town Edgecomb / South Bristol

Port Region Casco Bay

Latitude 44° 1.79' N **Longitude** 69° 32.67' W

NOAA Chart # 13293_1

Approx. Tidal Range (feet) 10

ESI Map # 39A

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

EVI Map # 33

Source Observed

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.

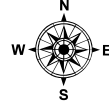
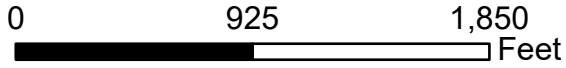
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Last Field Visit 7/24/2006

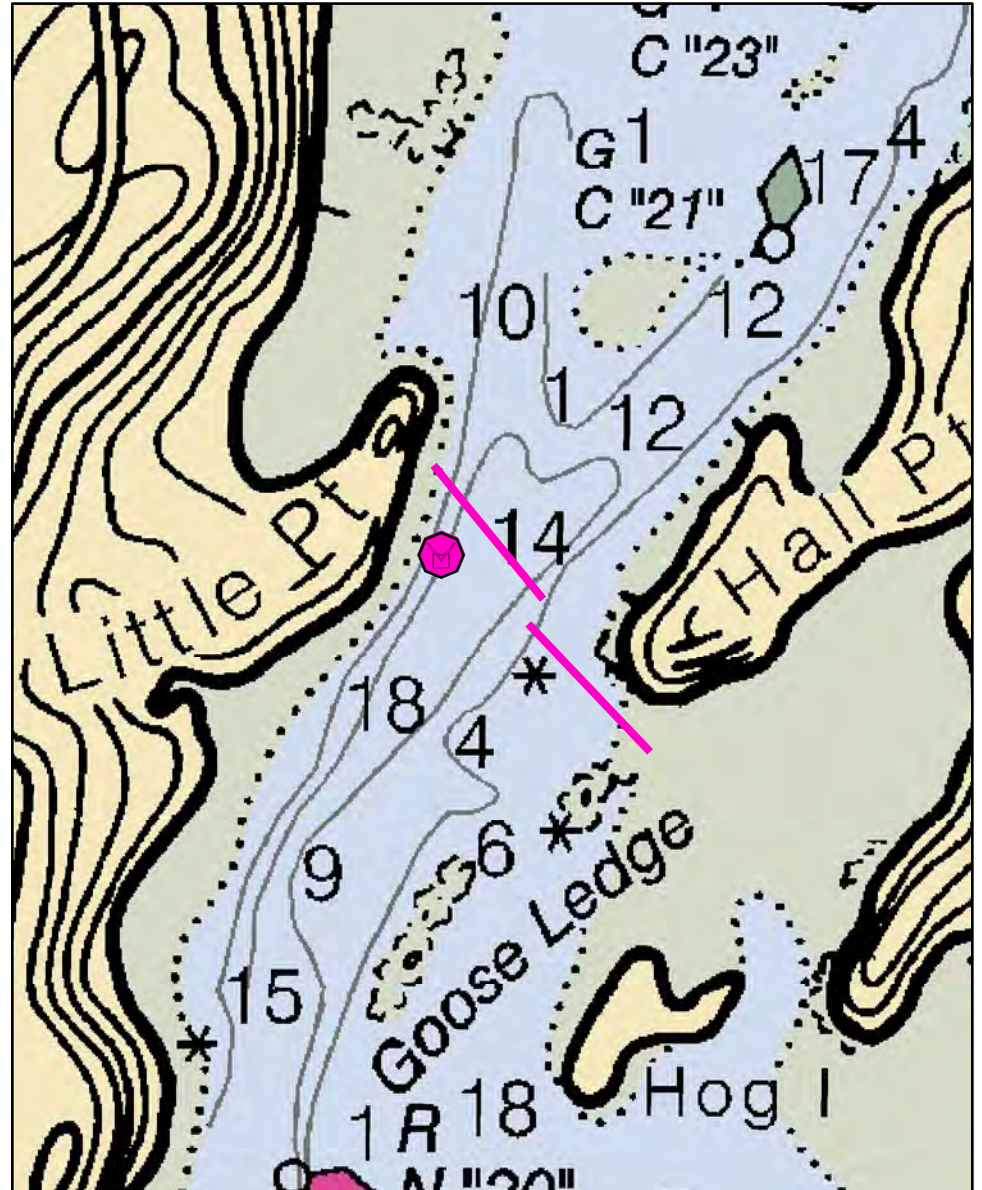
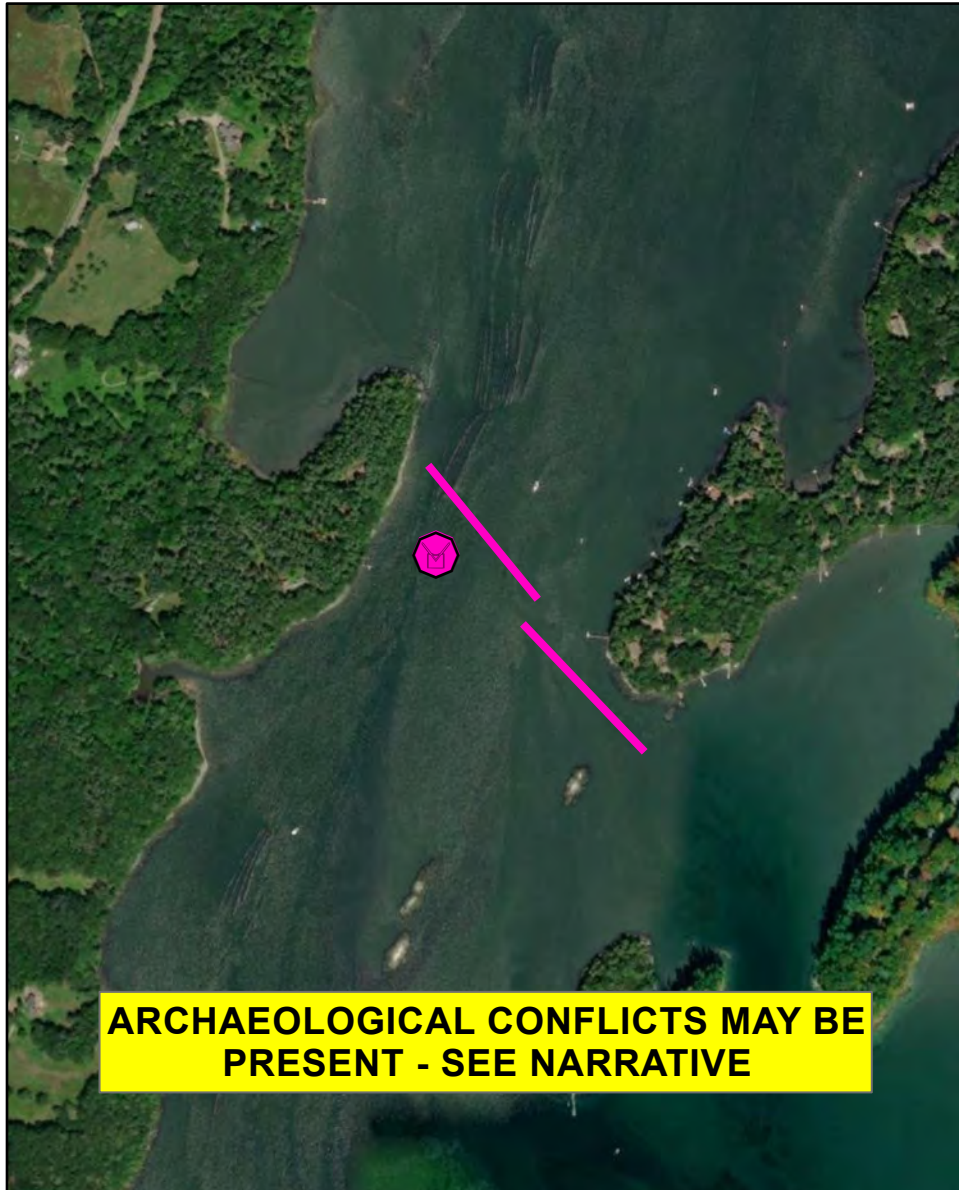
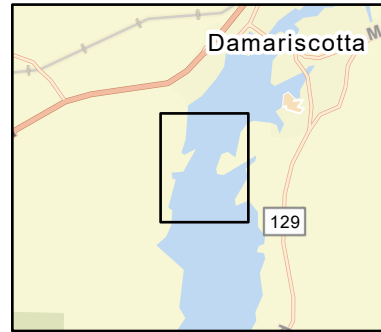
Last Field Test: 5/23/2012

B-38-1

Little Point, Damariscotta River
Newcastle / Damariscotta, ME



Date printed: 9/13/2022 8:35 AM



B-38-1 Little Point, Damariscotta River

Town Newcastle / Damariscotta

Port Region Casco Bay

Latitude 44° 1.097' N **Longitude** 69° 32.614; W

NOAA Chart # 13293_1

Approx. Tidal Range (feet) 14

ESI Map # 39A

Max Current (knots) **Flood** 1.5 knots **Ebb**

EVI Map # 33

Source estimated

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.

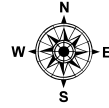
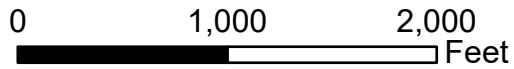
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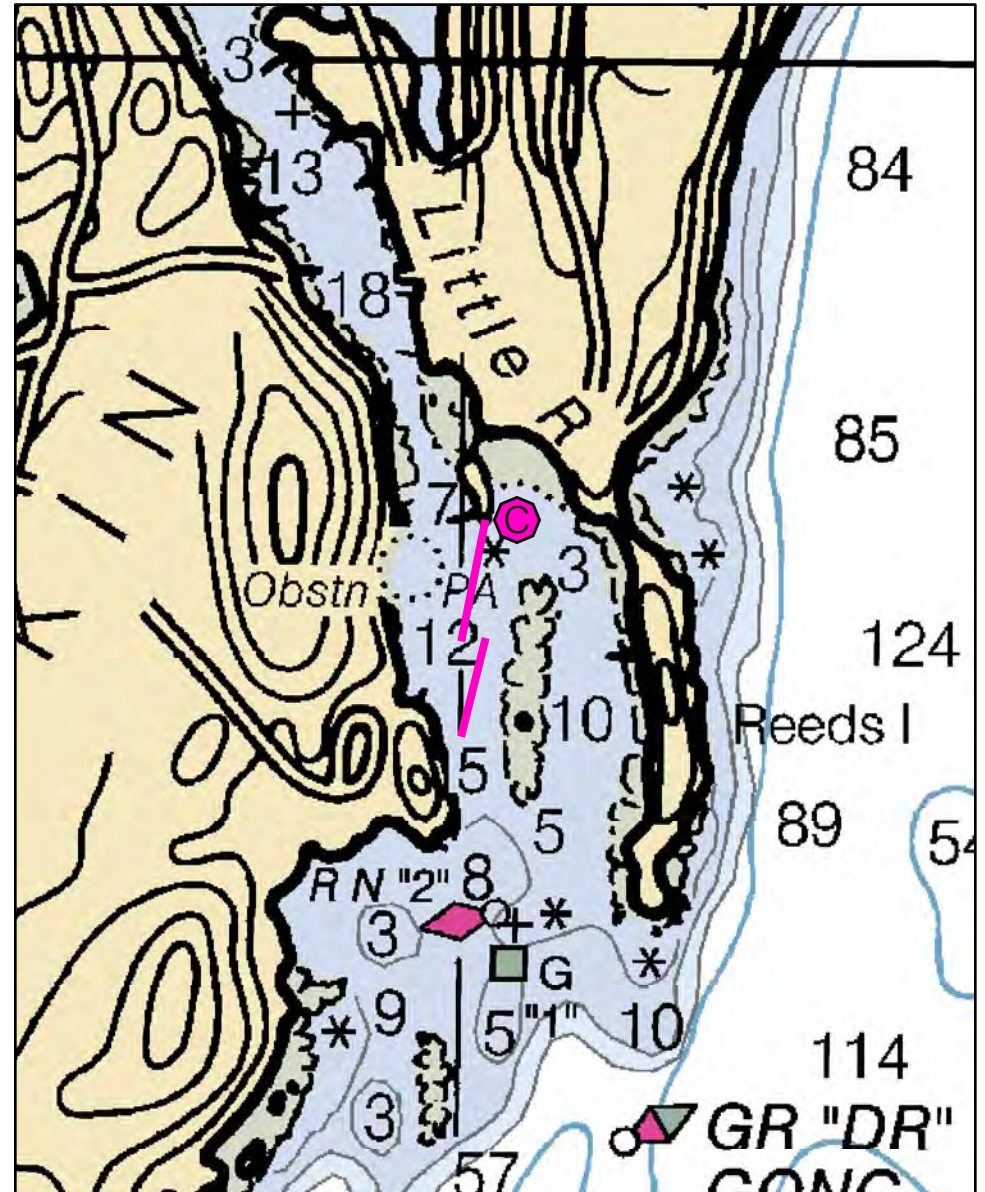
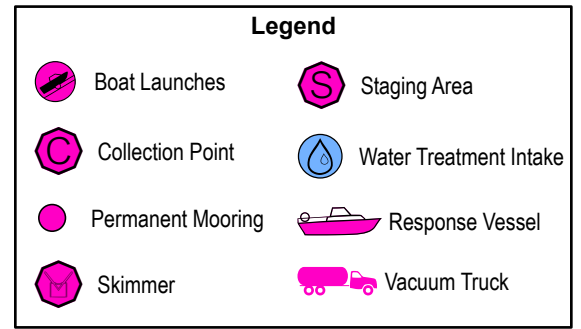
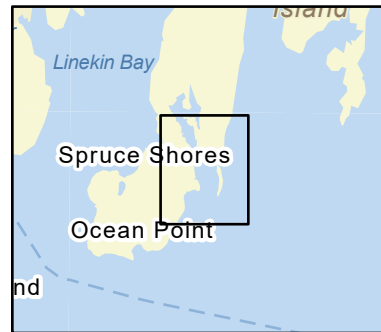
Last Field Test:

B-39-1

Lower Damariscotta River - Little River Boothbay, ME



Date printed: 9/10/2022 7:52 PM



B-39-1 Lower Damariscotta River - Little River

Town	Boothbay	Port Region	Casco Bay
Latitude	43° 49.67' N	Longitude	69° 34.97' W
Approx. Tidal Range (feet)	10	NOAA Chart #	13293_1
Max Current (knots)	Flood	ESI Map #	45A
Source	Ebb	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** 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 - 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.

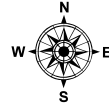
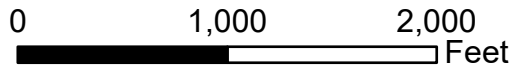
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Last Field Visit: 8/1/2004

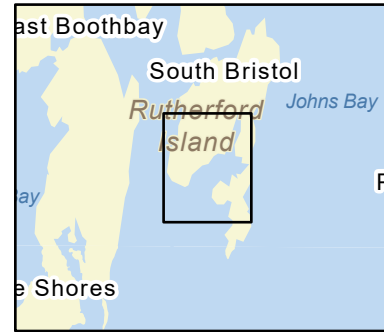
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B-39-2

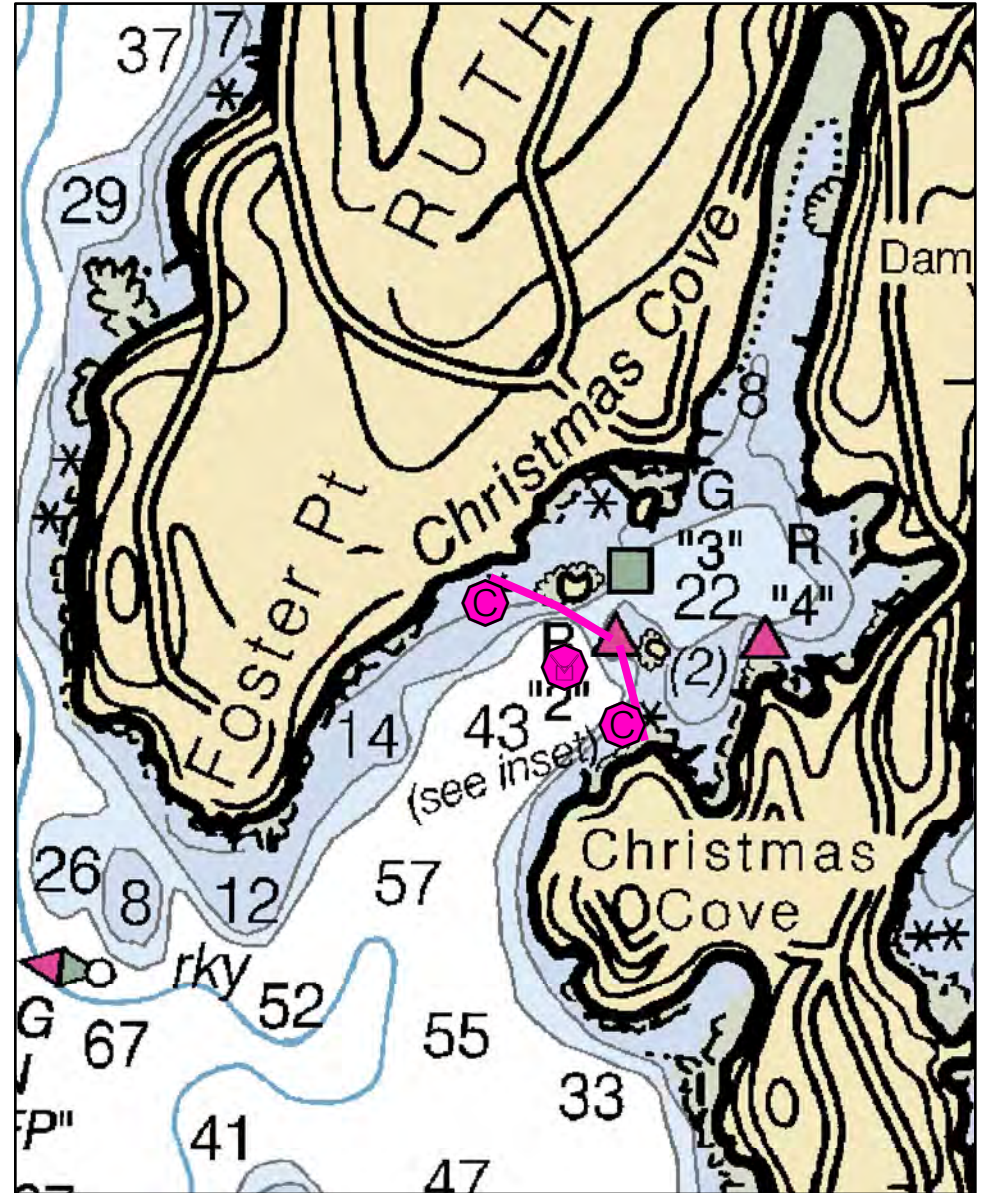
Lower Damariscotta River - Christmas Cove South Bristol, ME



Date printed: 9/13/2022 7:22 AM



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



B-39-2 Lower Damariscotta River - Christmas Cove

Town South Bristol

Port Region Casco Bay

Latitude 43° 50.81' N **Longitude** 69° 33.48' W

NOAA Chart # 13293_1

Approx. Tidal Range (feet) 10

ESI Map # 45A, 44B

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

EVI Map # 25

Source **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.

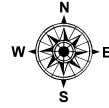
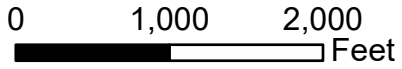
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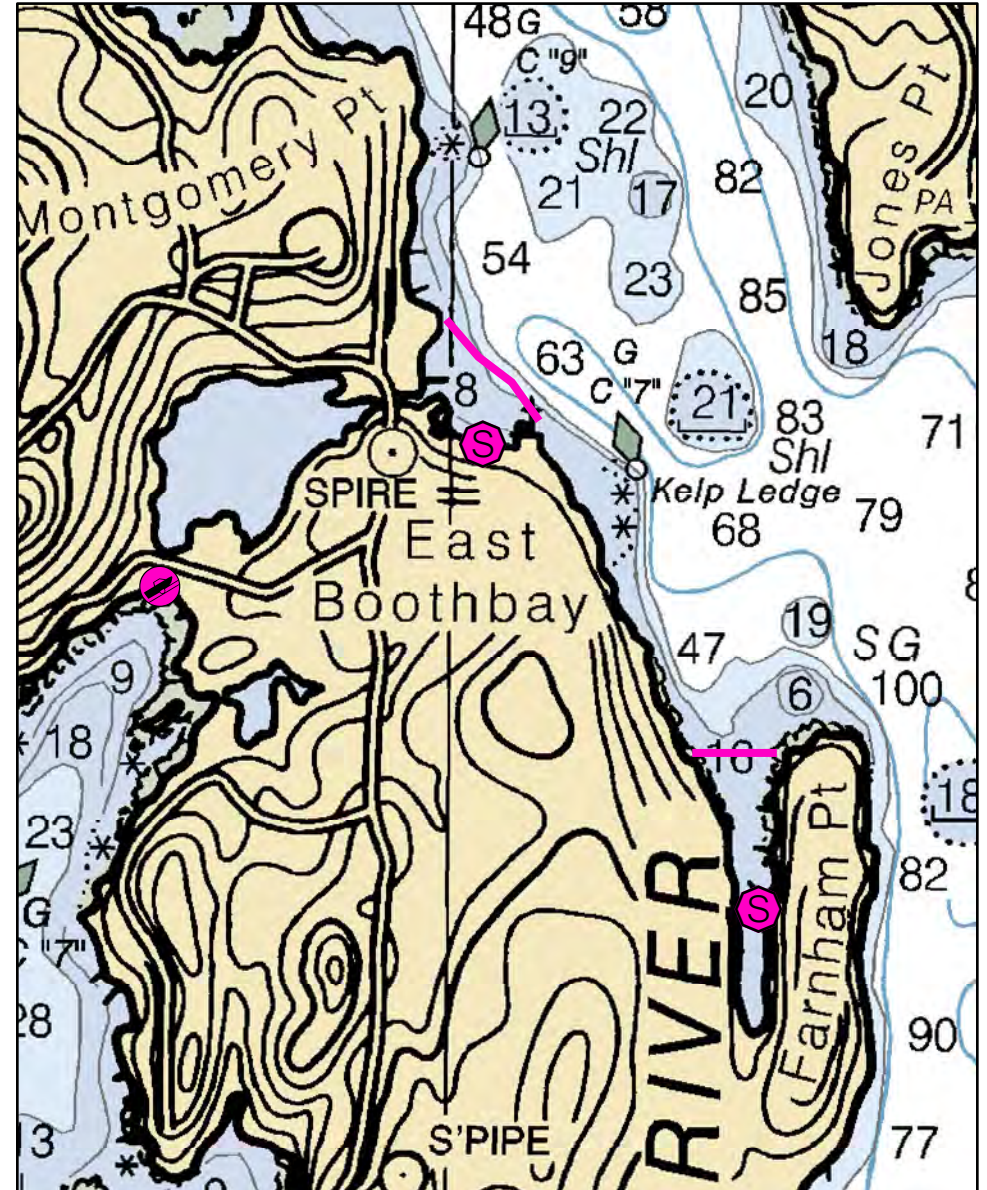
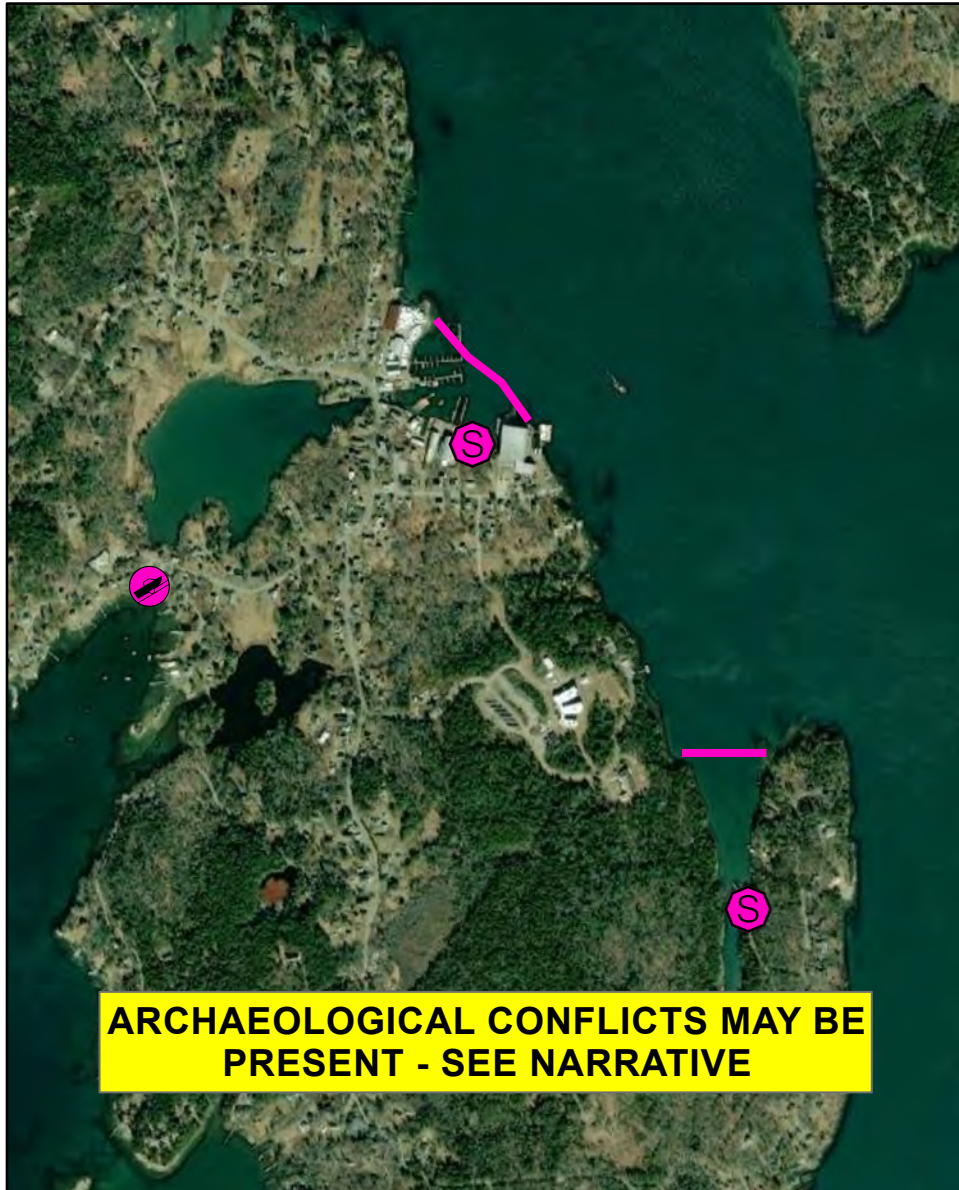
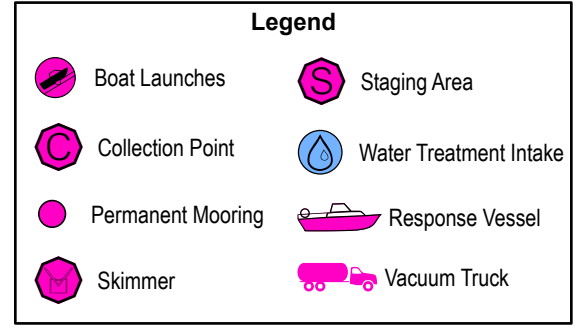
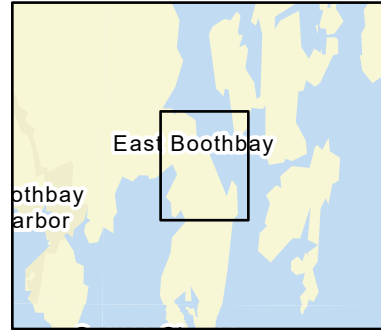
Last Field Test:

B-39-3

Lower Damariscotta River - Montgomery Point Boothbay, ME



Date printed: 9/10/2022 7:52 PM



B-39-3 Lower Damariscotta River - Montgomery Point

Town	Boothbay	Port Region	Casco Bay
Latitude	43° 52.03' N	Longitude	69° 34.82' W
Approx. Tidal Range (feet)	10	NOAA Chart #	13293_1
Max Current (knots)	Flood	ESI Map #	45A
Source	Ebb	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: 3 - shoreside connections 2 - workboats with minimum 90 hp 2 - boat operators 4 - laborers	Lobster pound: 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

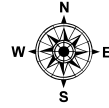
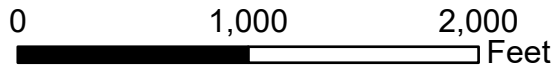
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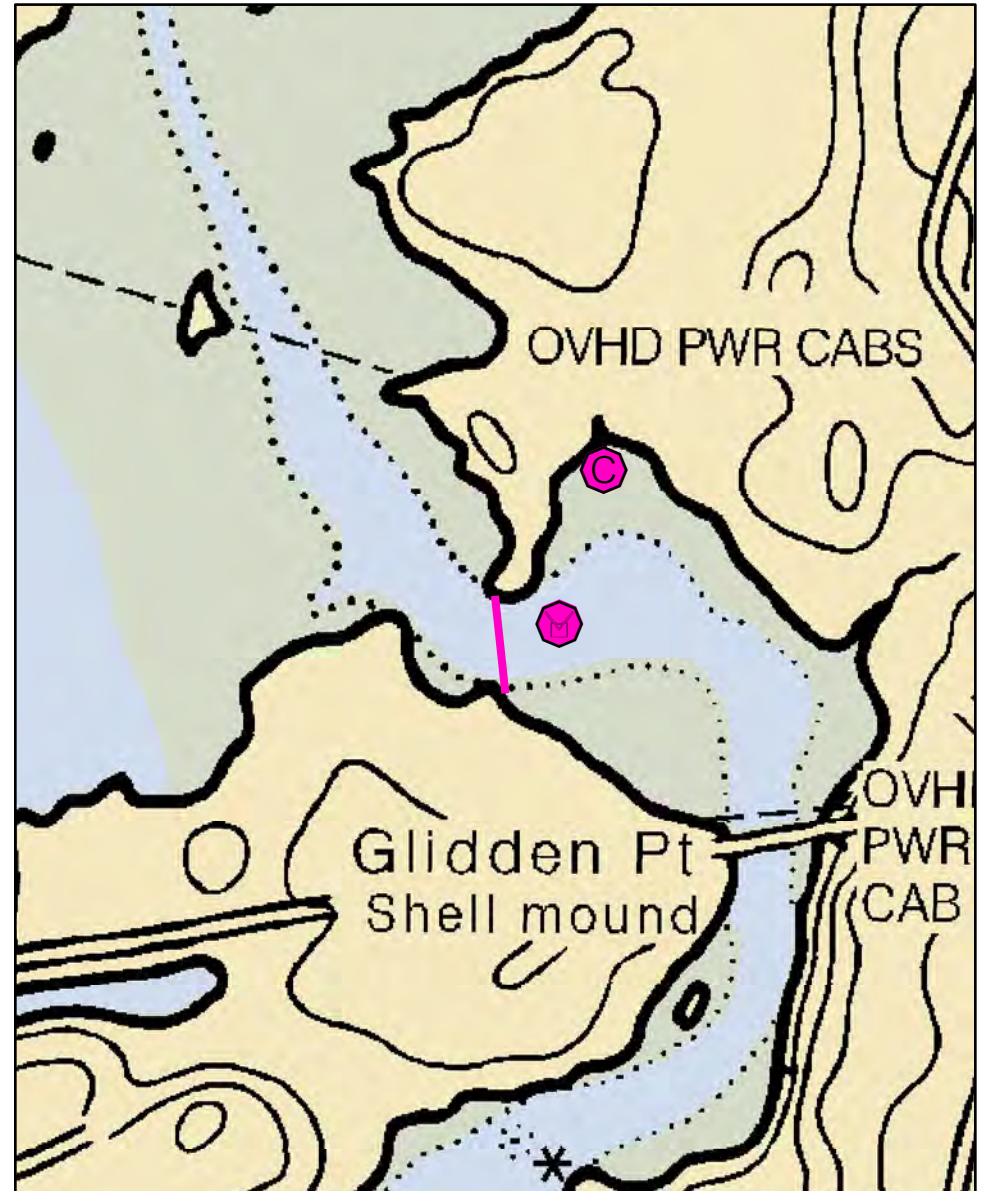
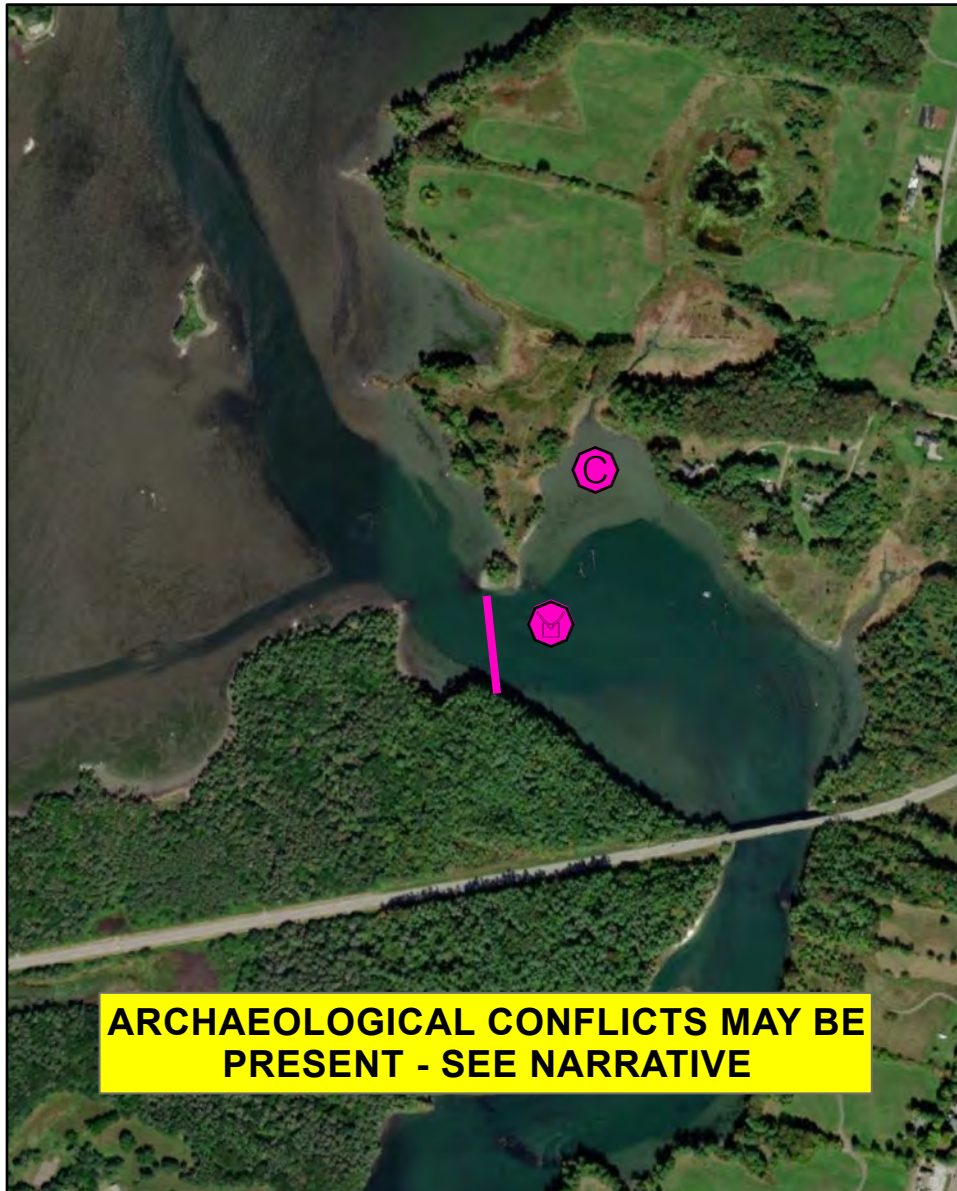
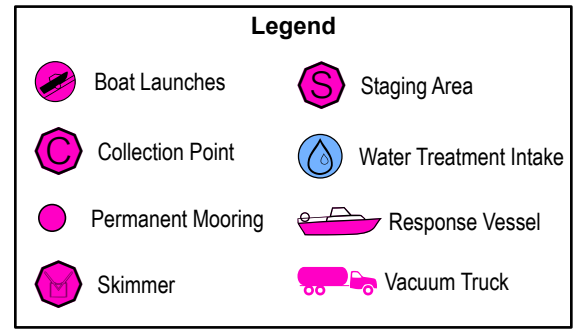
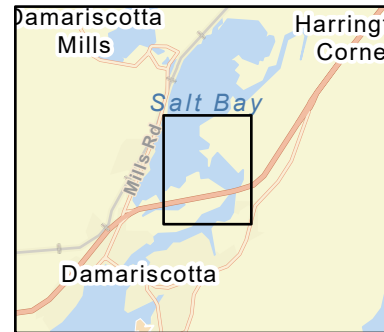
B-40-1

Salt Bay

Damariscotta / Newcastle, ME



Date printed: 9/13/2022 8:35 AM



B-40-1 Salt Bay

Town Newcastle / Damariscotta

Port Region Casco Bay

Latitude 44 3.233' N **Longitude** 69 31.299' W

NOAA Chart # 13293_1

Approx. Tidal Range (feet) 10

ESI Map # 39A

Max Current (knots) Flood Ebb

EVI Map # 33

Source **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

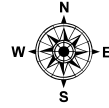
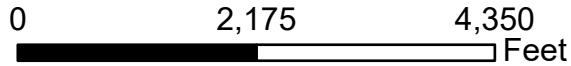
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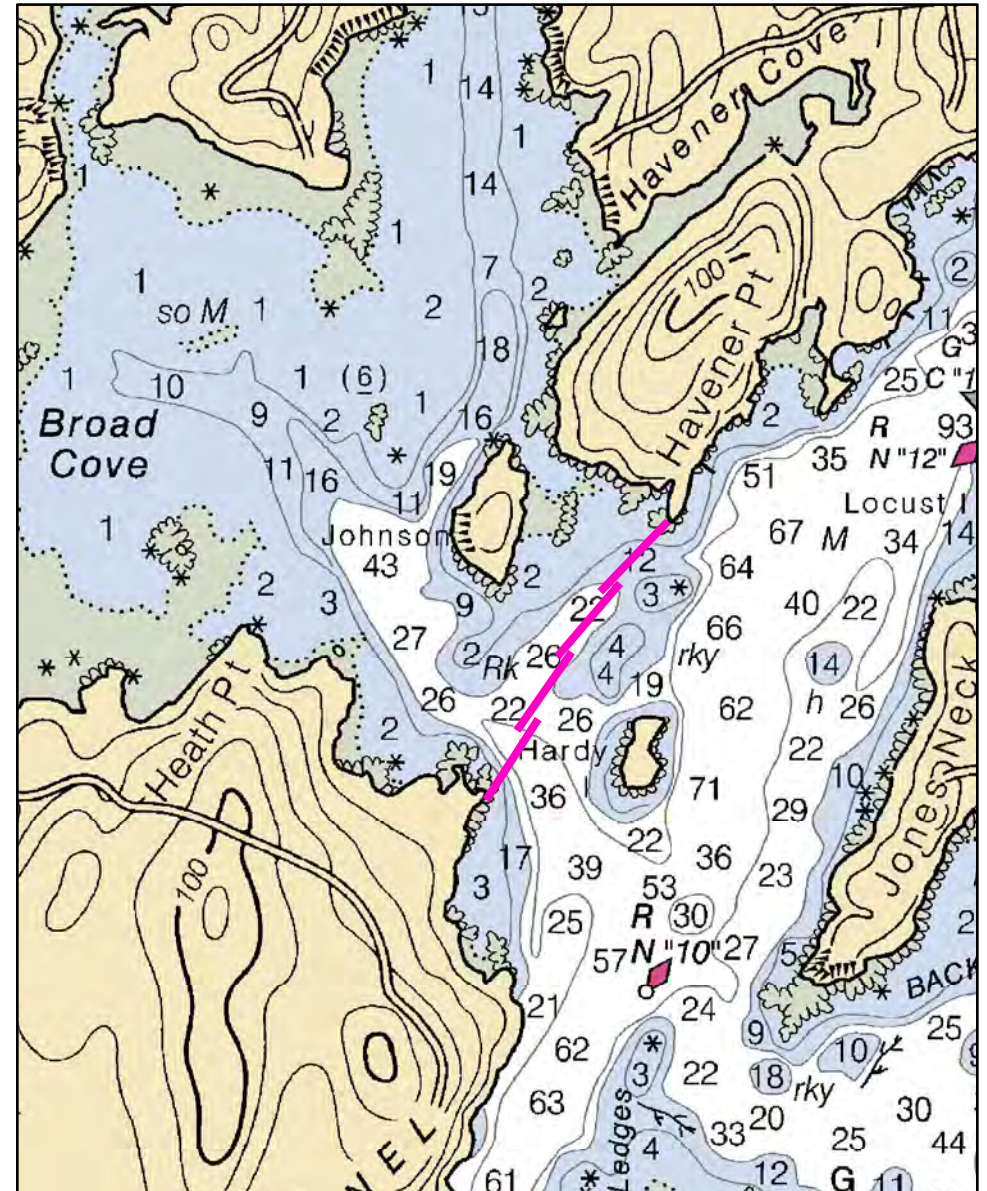
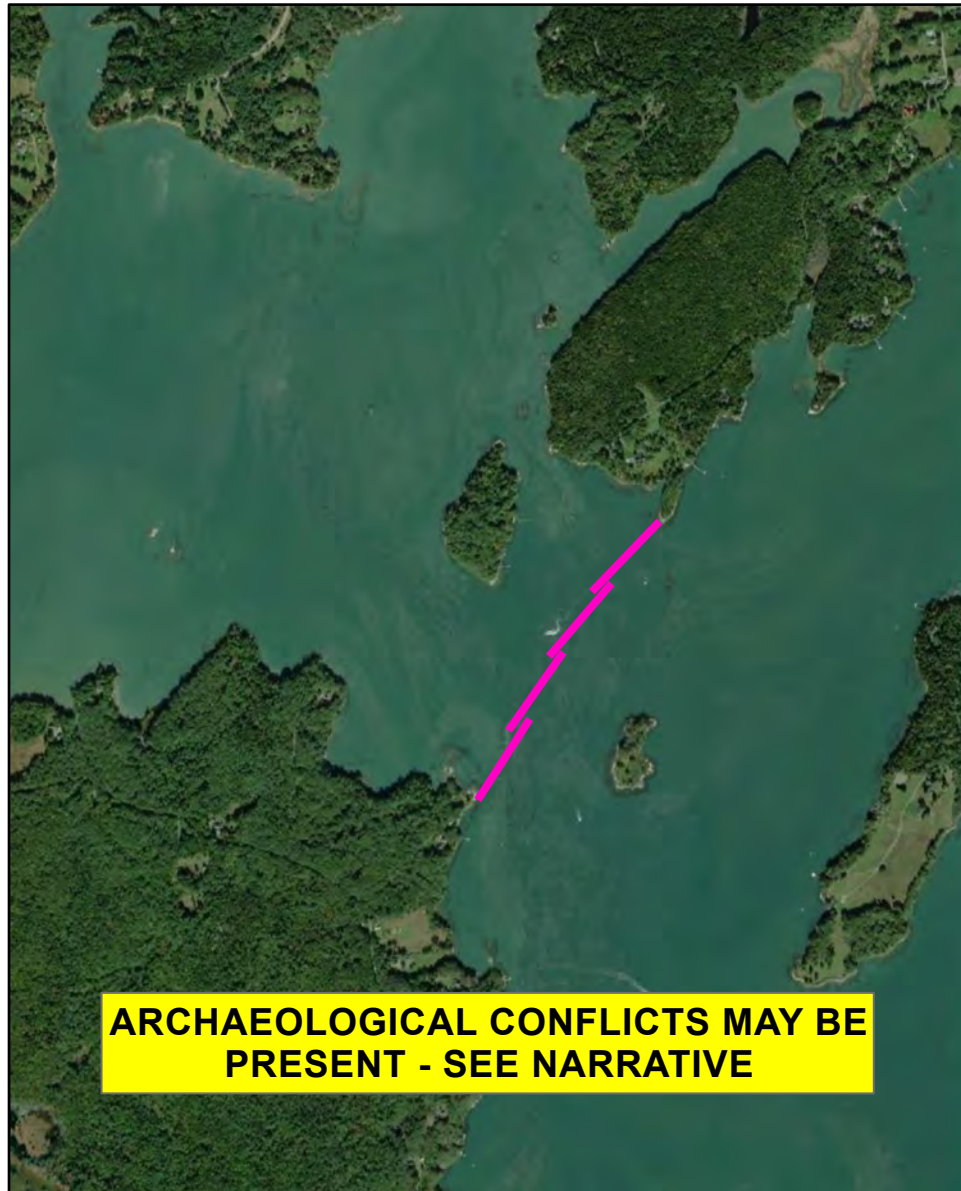
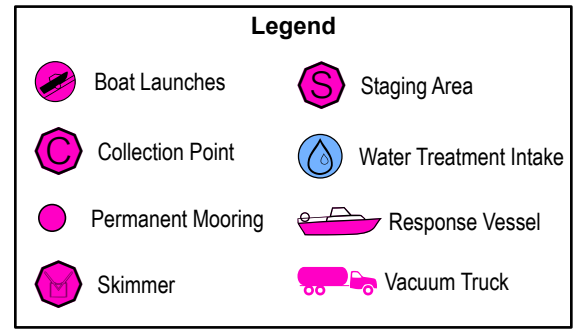
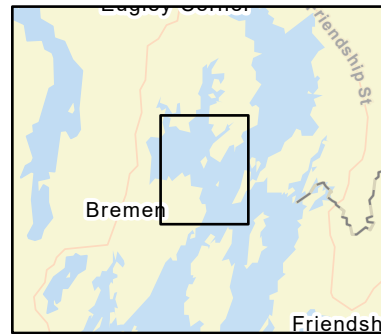
B-41-1

Broad Cove - Bremen

Bremen, ME



Date printed: 9/10/2022 7:52 PM



B-41-1 Broad Cove - Bremen

Town Bremen / Waldoboro

Port Region Casco Bay

Latitude 44° 01.250' N **Longitude** 69° 23.313' W

NOAA Chart # 13301_1

Approx. Tidal Range (feet) 36

ESI Map # 38A, 38B

Max Current (knots) **Flood** < 1 knot **Ebb**

EVI Map # 34

Source

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.

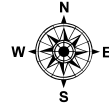
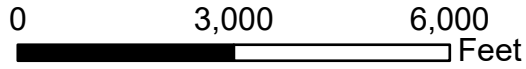
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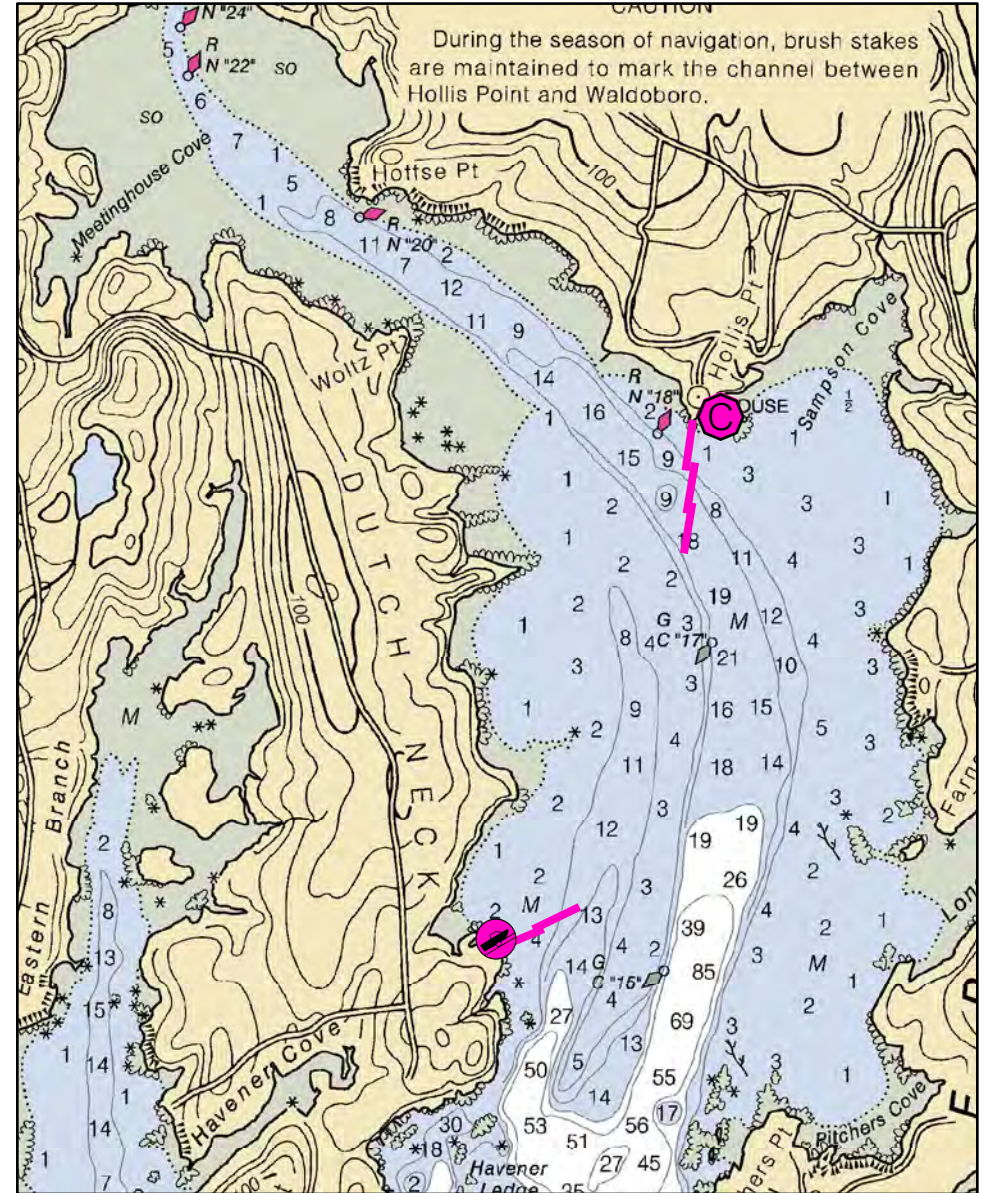
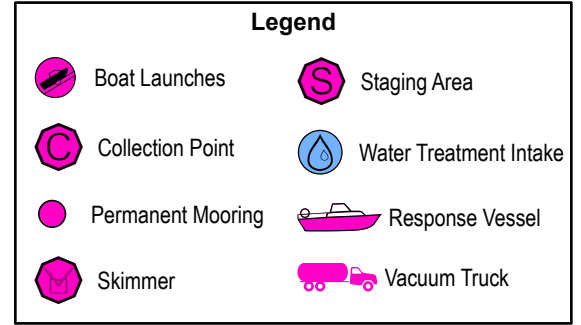
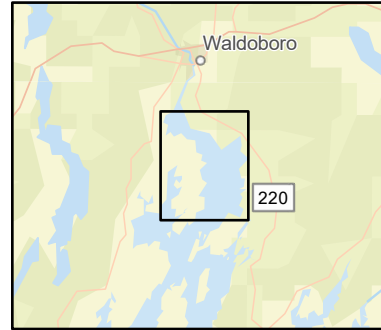
Last Field Test:

C-01-1

Medomak River Waldoboro, ME



Date printed: 9/10/2022 7:52 PM



C-01-1 Medomak River

Town	Waldoboro	Port Region	Penobscot Bay
Latitude	44° 02.475'N	Longitude	69° 22.258' W
Approx. Tidal Range (feet)	4 - 9	NOAA Chart #	13301_1
Max Current (knots)	Flood 4 knots	ESI Map #	38A, 38B
	Ebb	EVI Map #	34, 35
Source	estimated	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.

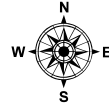
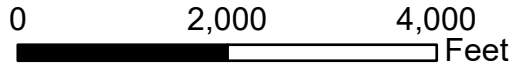
Last Desktop Validation: 9/13/2020

Last Field Visit

Last Field Test:

C-02-1

Meduncook River / Back River Friendship / Cushing, ME

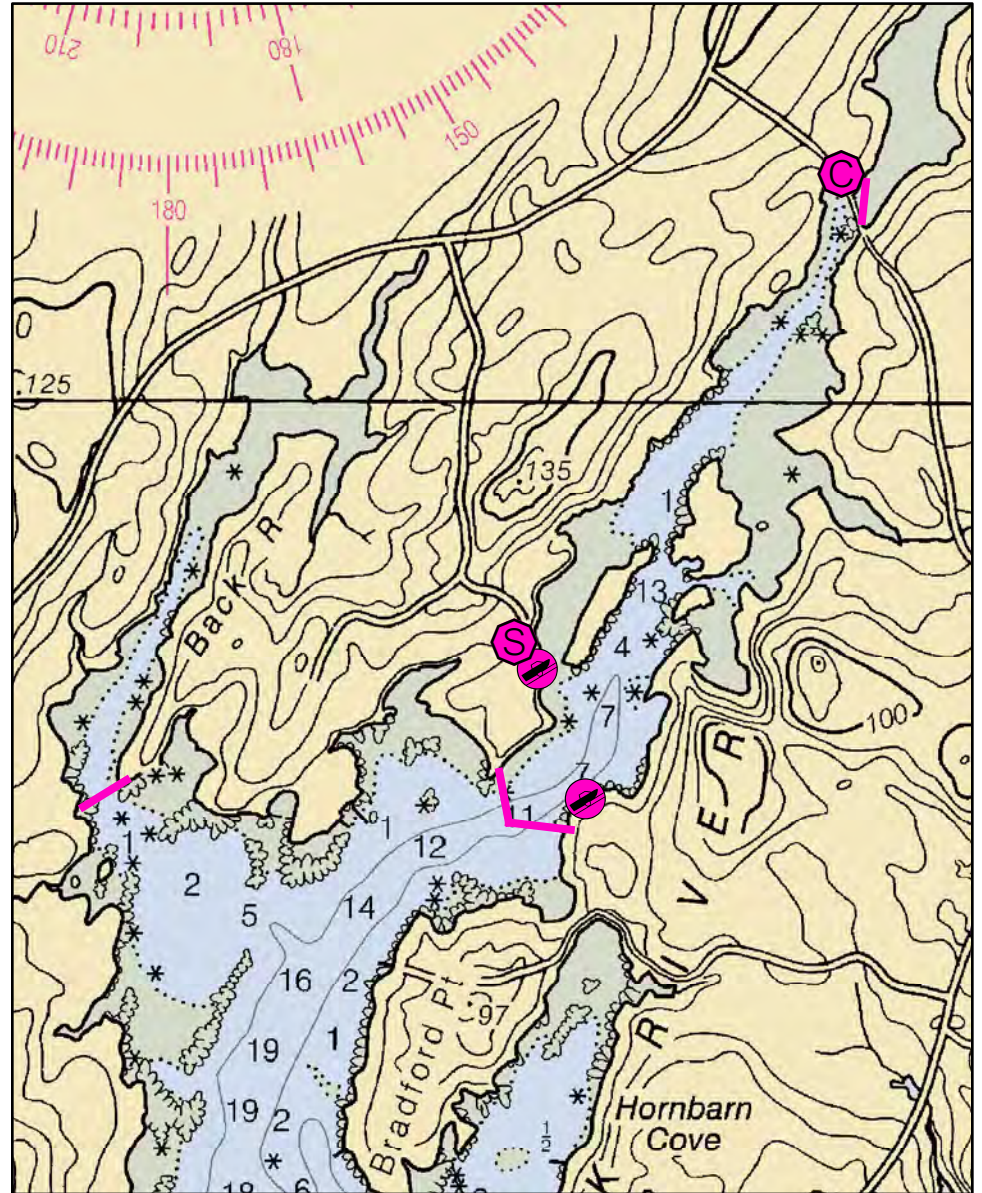


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Legend

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



C-02-1 Meduncook River / Back River

Town	Friendship / Cushing	Port Region	Penobscot Bay
Latitude	43° 59.62' N	Longitude	69° 18.175' W
Approx. Tidal Range (feet)	10	NOAA Chart #	13301_1
Max Current (knots)	Flood 1 - 2 knots	ESI Map #	38A, 38C
	Ebb	EVI Map #	35
Source	Estimated	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.

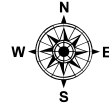
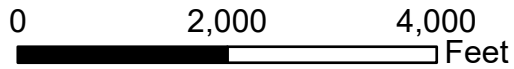
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Last Field Visit

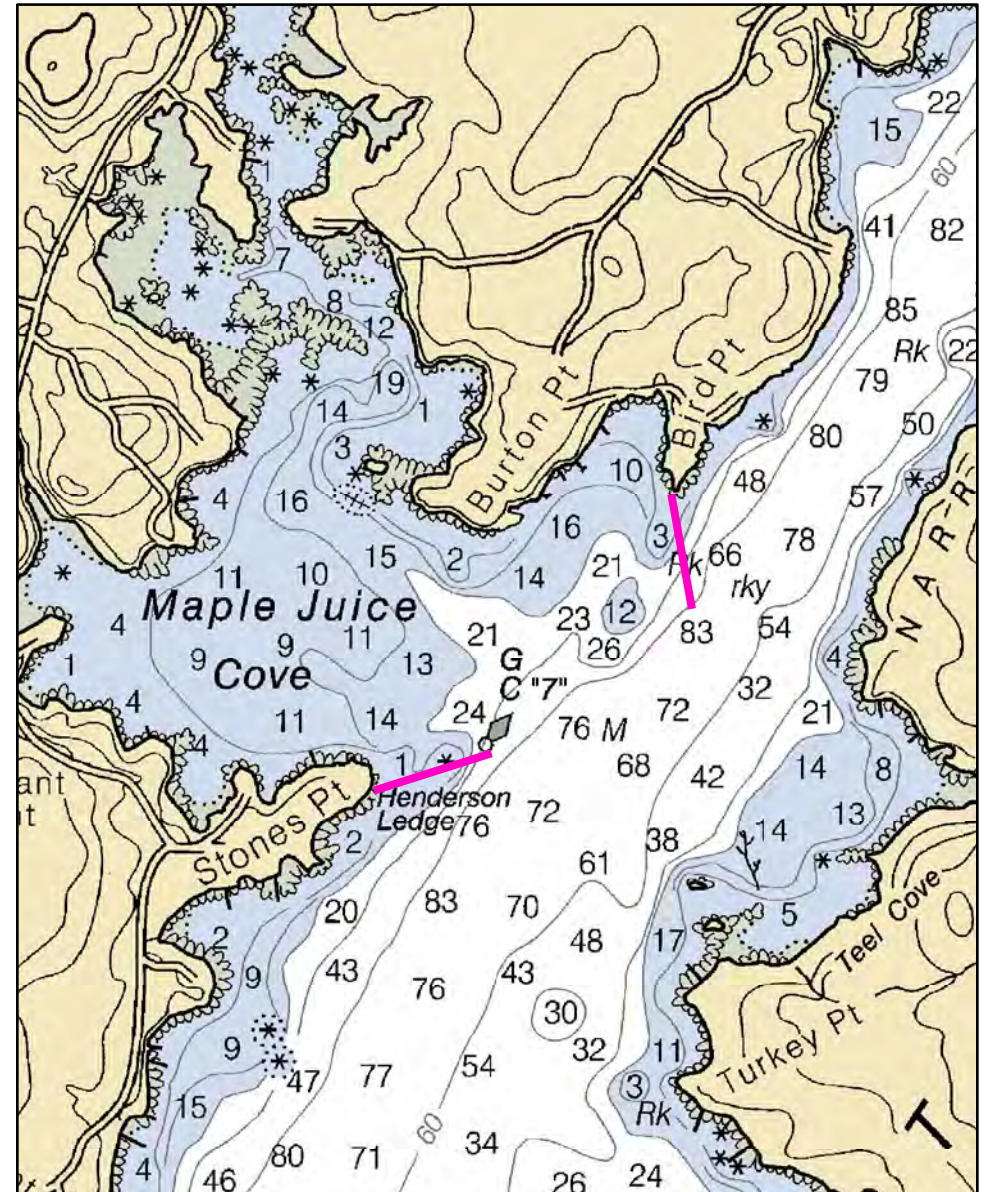
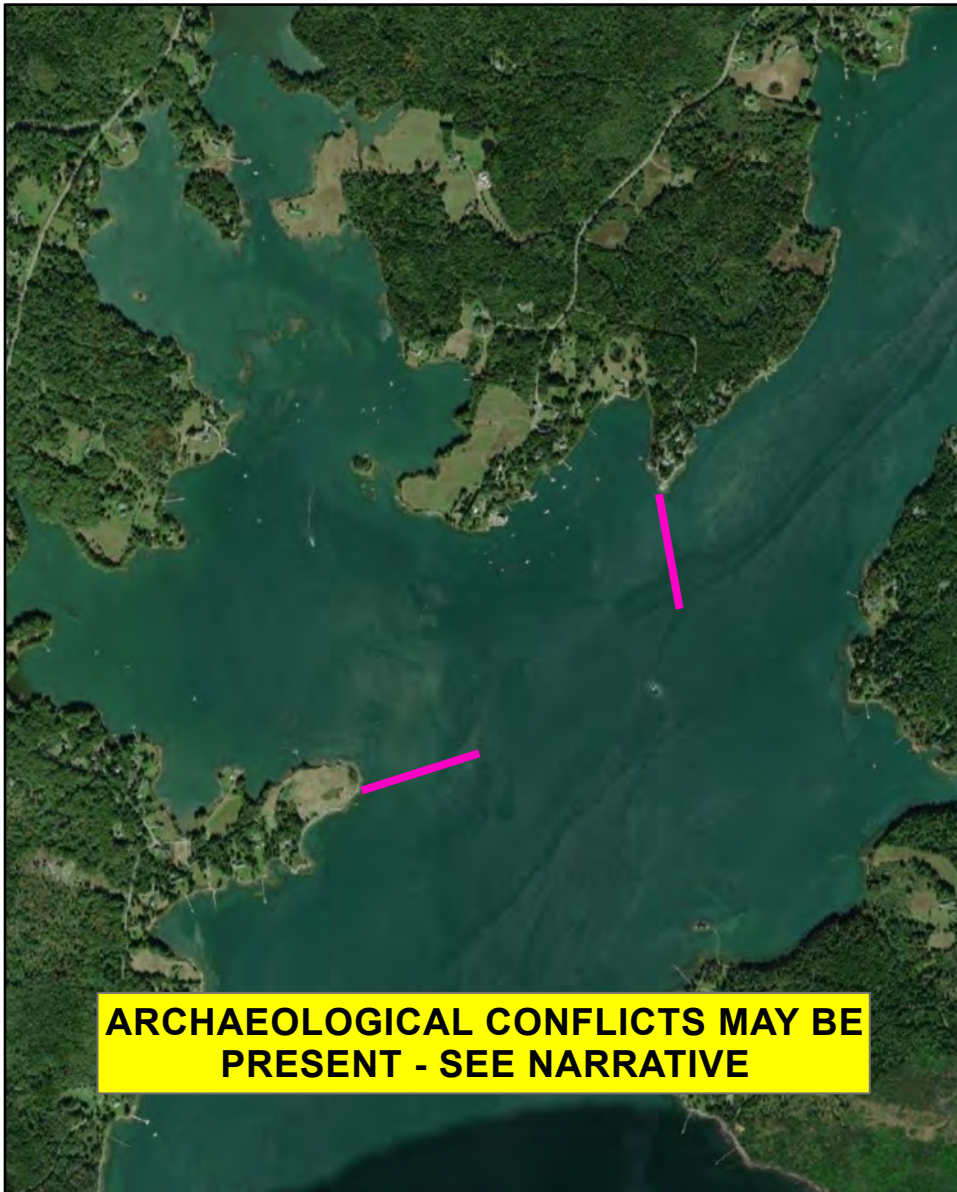
Last Field Test:

C-03-1

Maple Juice Cove, Saint George River Cushing, ME



Date printed: 9/10/2022 7:52 PM



C-03-1 Maple Juice Cove, St. George River

Town	Cushing	Port Region	Penobscot Bay
Latitude	43° 58.486' N	Longitude	69° 16.166' W
Approx. Tidal Range (feet)	10	NOAA Chart #	13301_1
Max Current (knots)	Flood 1 - 2 knots	ESI Map #	37D
	Ebb	EVI Map #	35
Source	estimated	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 beds, 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.

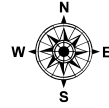
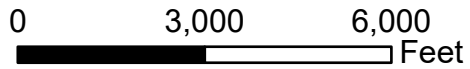
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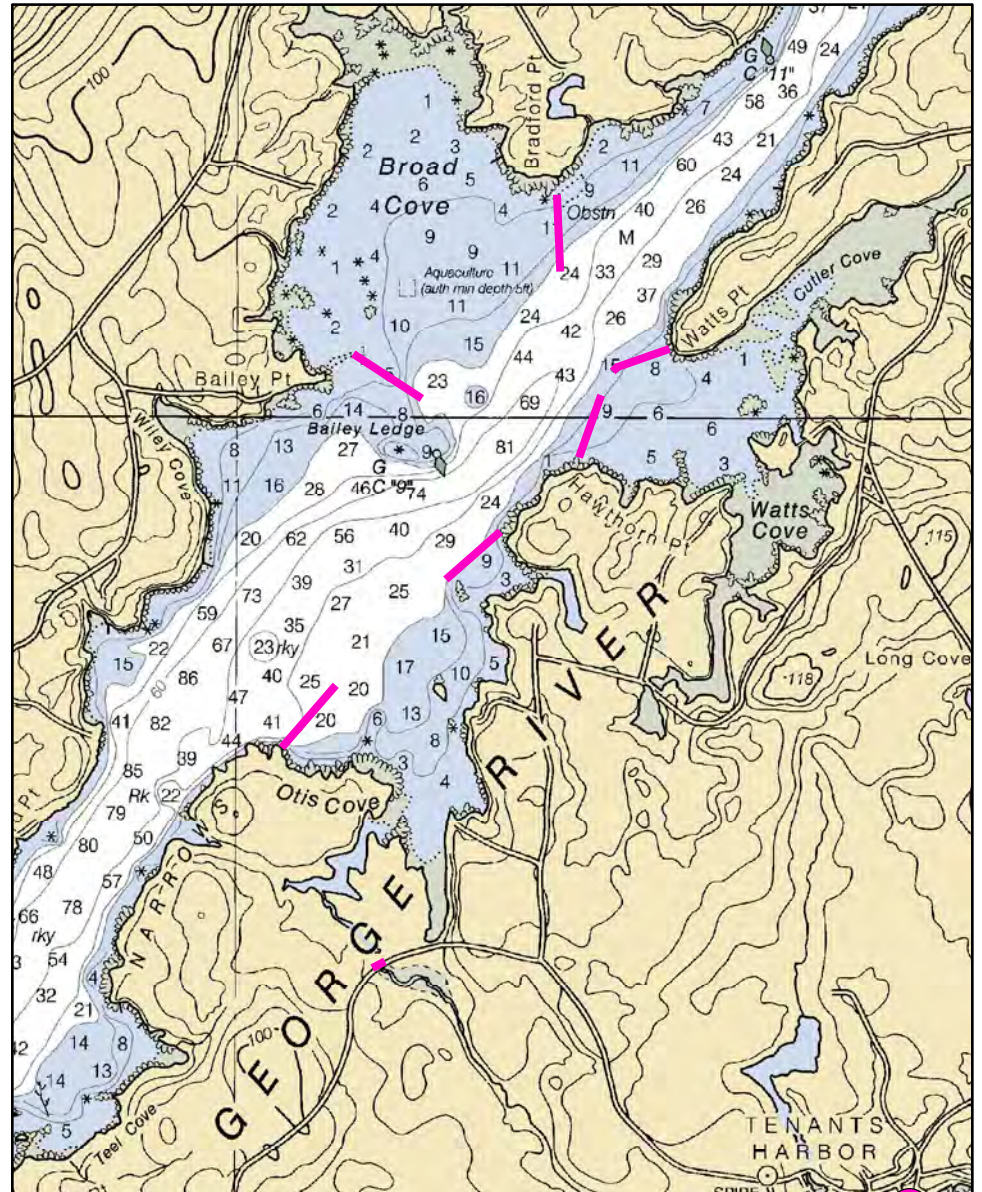
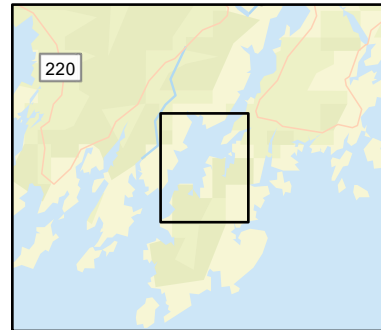
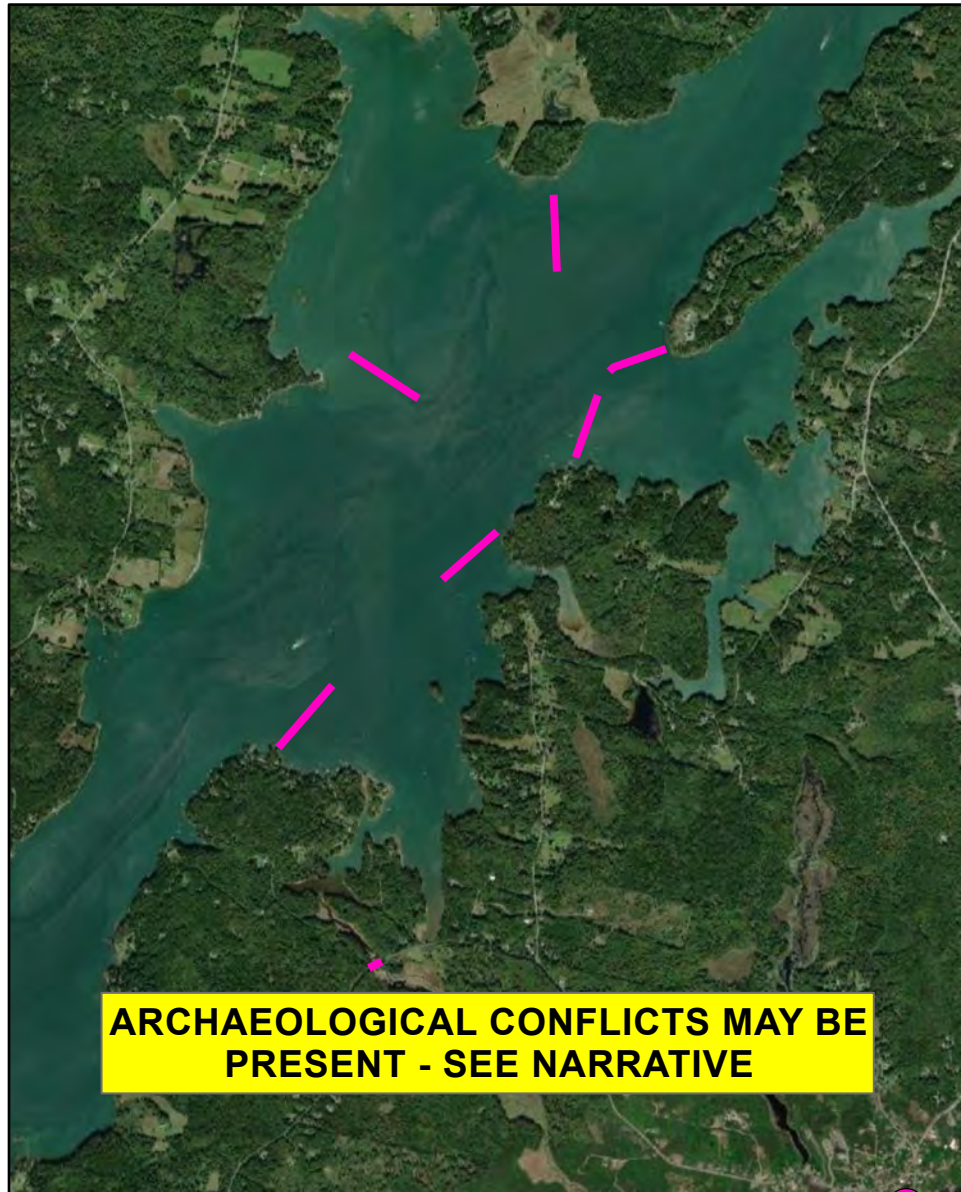
Last Field Test:

C-04-1

Otis Cove / Watts Cove / Cutler Cove / Broad Cove Saint George, ME



Date printed: 9/10/2022 7:52 PM



C-04-1 Otis, Watts, Cutler and Broad Coves

Town	Saint George	Port Region	Penobscot Bay
Latitude	43° 59.259' N	Longitude	69° 14.708' W
Approx. Tidal Range (feet)	10 - 20'	NOAA Chart #	13301_1
Max Current (knots)	Flood 1 - 2 knots	ESI Map #	37D, 37B
	Ebb	EVI Map #	35, 36
Source	Estimated	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

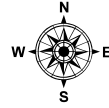
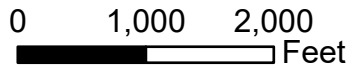
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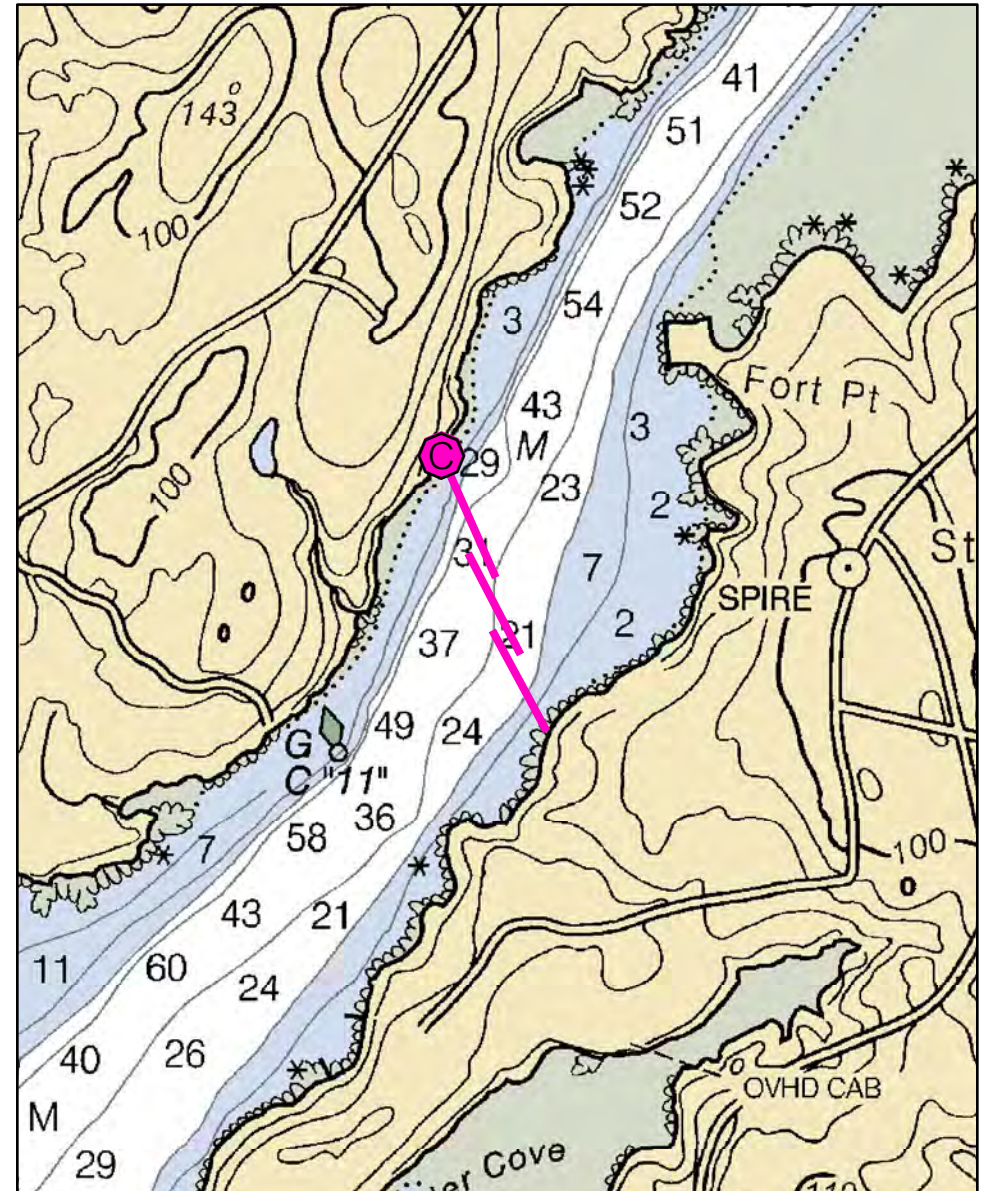
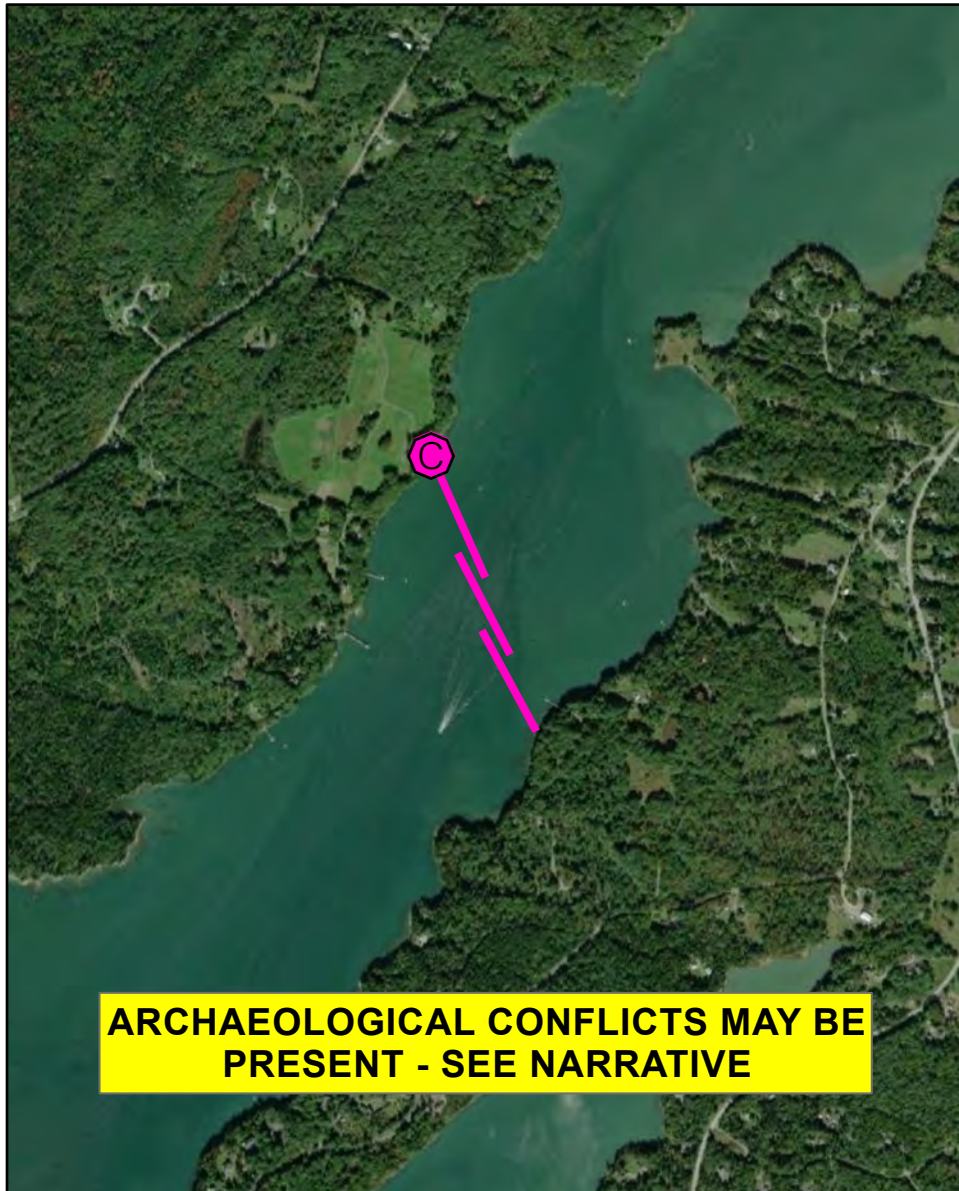
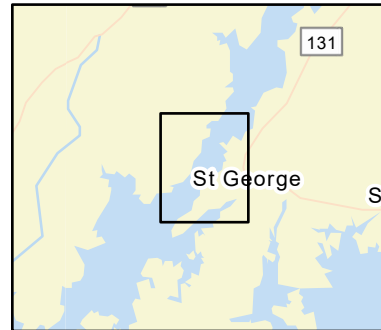
C-05-1

Saint George River

Cushing / Saint George, ME



Date printed: 9/10/2022 7:52 PM



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

C-05-1 St. George River

Town	Cushing /St. George	Port Region	Penobscot Bay
Latitude	44° 1.164 N	Longitude	69° 12.792 W
Approx. Tidal Range (feet)	10	NOAA Chart #	13301_1
Max Current (knots)	Flood 1 knot	ESI Map #	37B
	Ebb	EVI Map #	36
Source	Estimated	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.

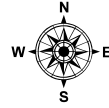
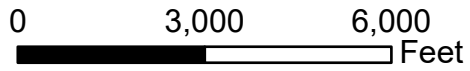
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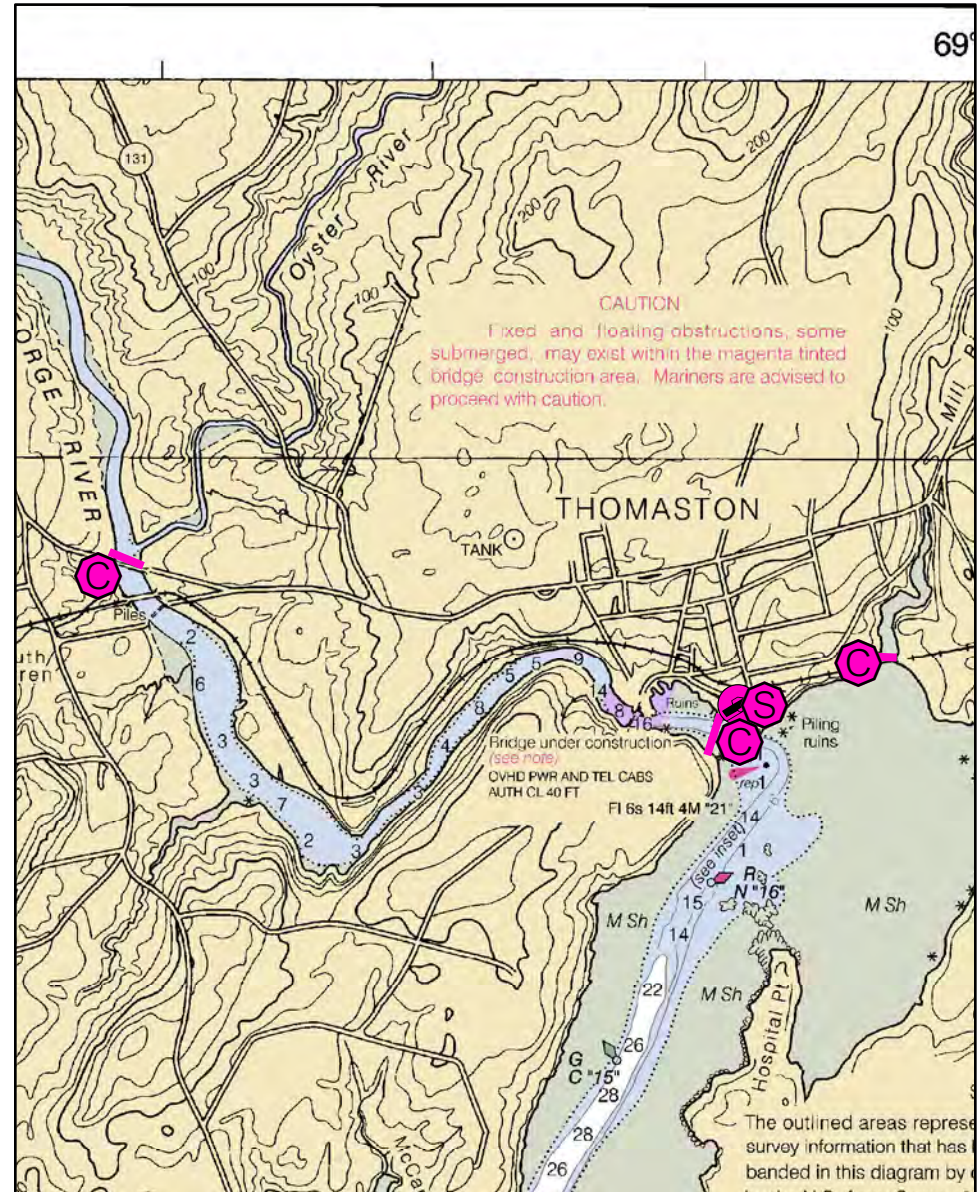
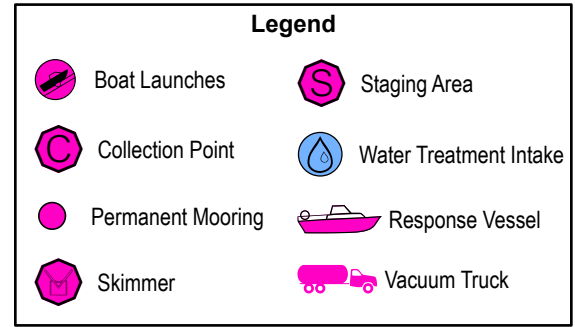
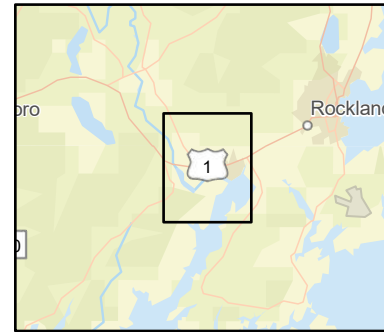
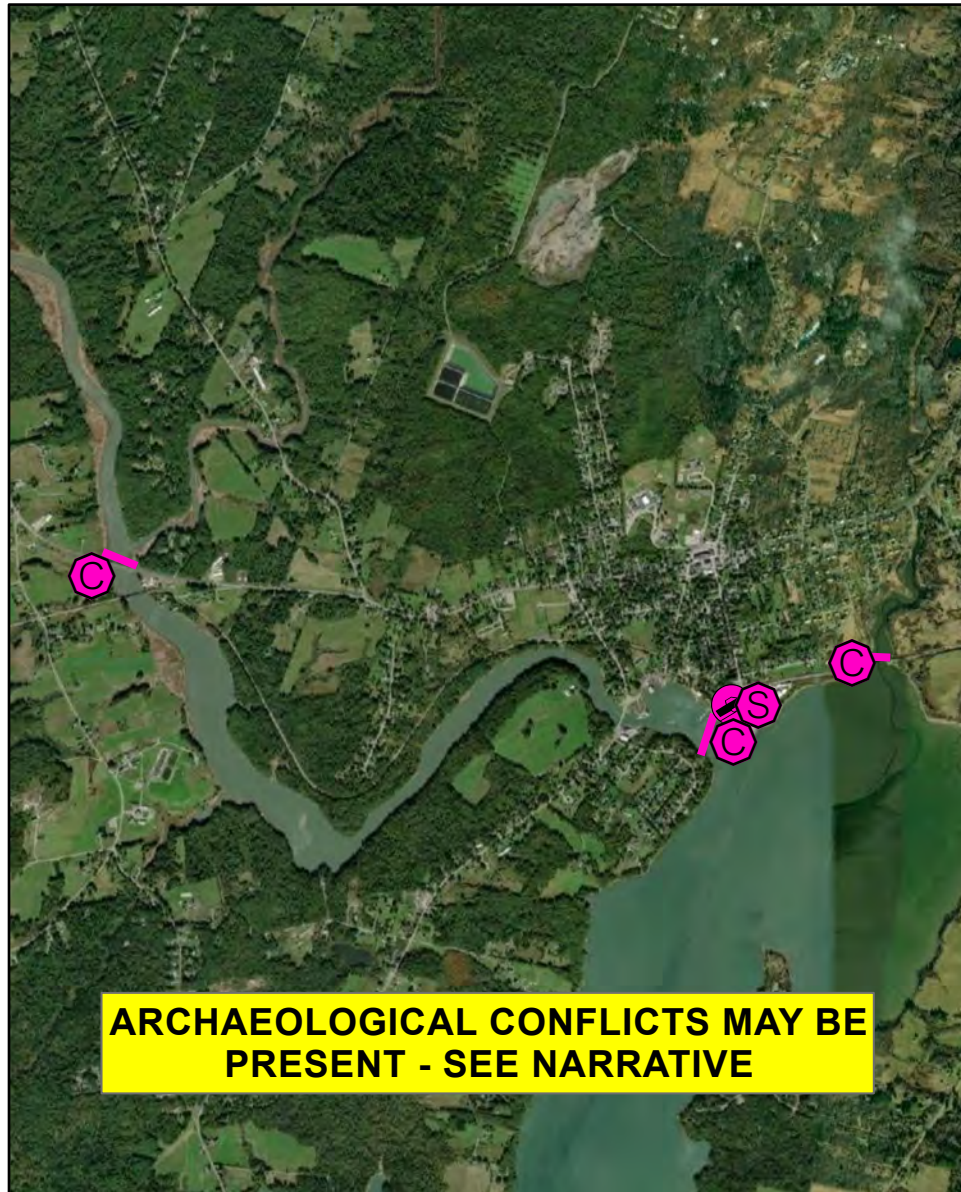
Last Field Test:

C-06-1

Upper Saint George River Warren / Thomaston, ME



Date printed: 9/11/2022 6:53 AM



C-06-1 Upper St. George River

Town	Warren / Thomaston	Port Region	Penobscot Bay
Latitude	44° 4.236' N	Longitude	69° 10.895' W
Approx. Tidal Range (feet)	10	NOAA Chart #	13301_1
Max Current (knots)	Flood 1 knot	ESI Map #	37B, 37A
	Ebb	EVI Map #	36, 42
Source	Estimated	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
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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.

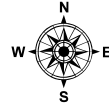
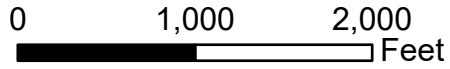
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Last Field Visit 9/11/2009

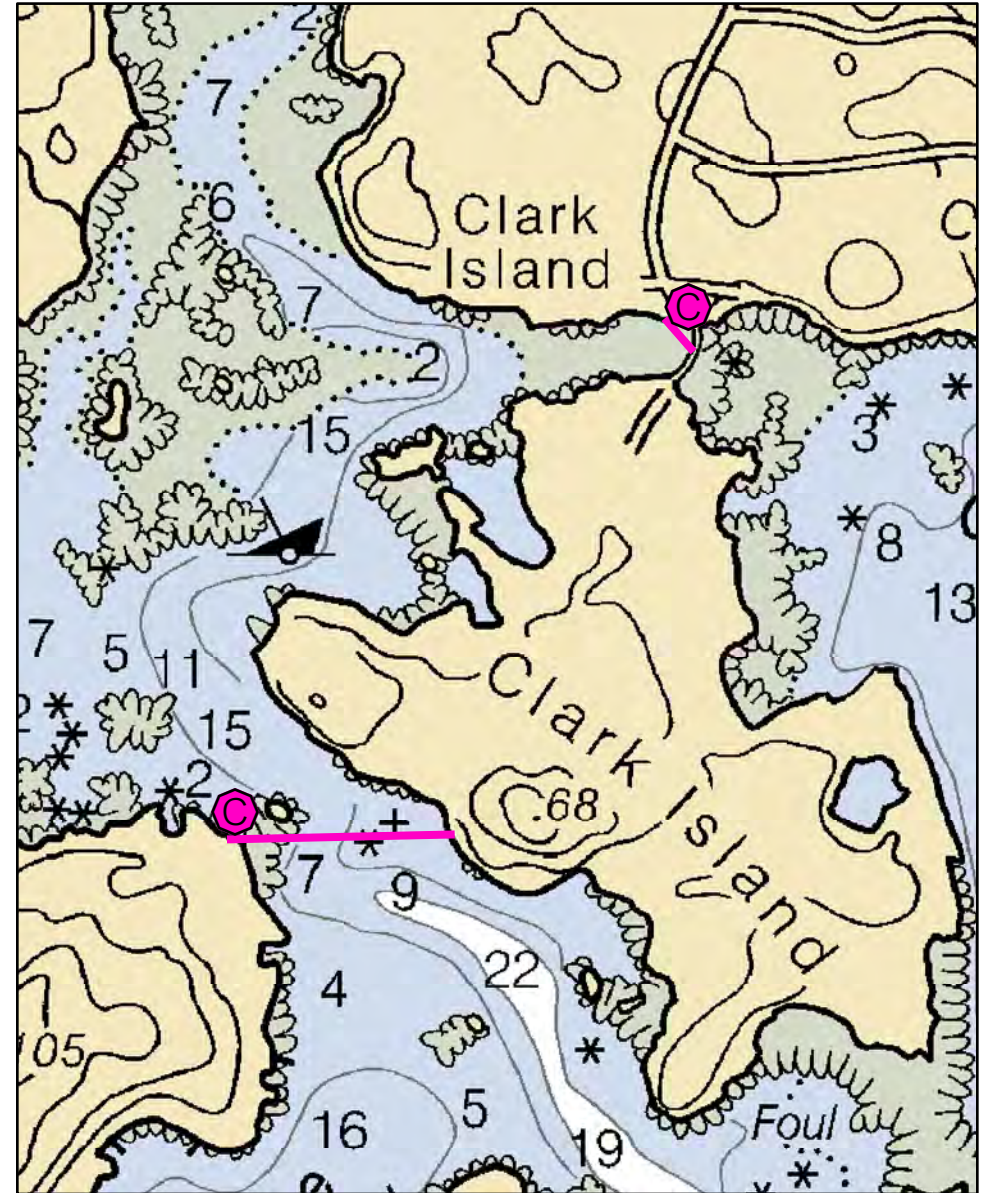
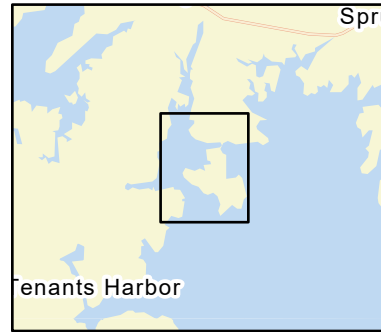
Last Field Test:

C-07-1

Saint George: Long Cove Saint George, ME



Date printed: 9/12/2022 10:14 AM



C-07-1 St. George: Long Cove

Town	Saint George	Port Region	Penobscot Bay
Latitude	43° 58.907' N	Longitude	69° 11.301' W
Approx. Tidal Range (feet)	10	NOAA Chart #	13301_1
Max Current (knots)	Flood 2 knots	ESI Map #	37D, 37C
	Ebb	EVI Map #	36
Source	Estimated	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.

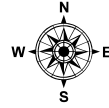
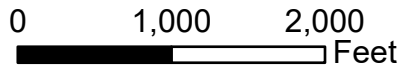
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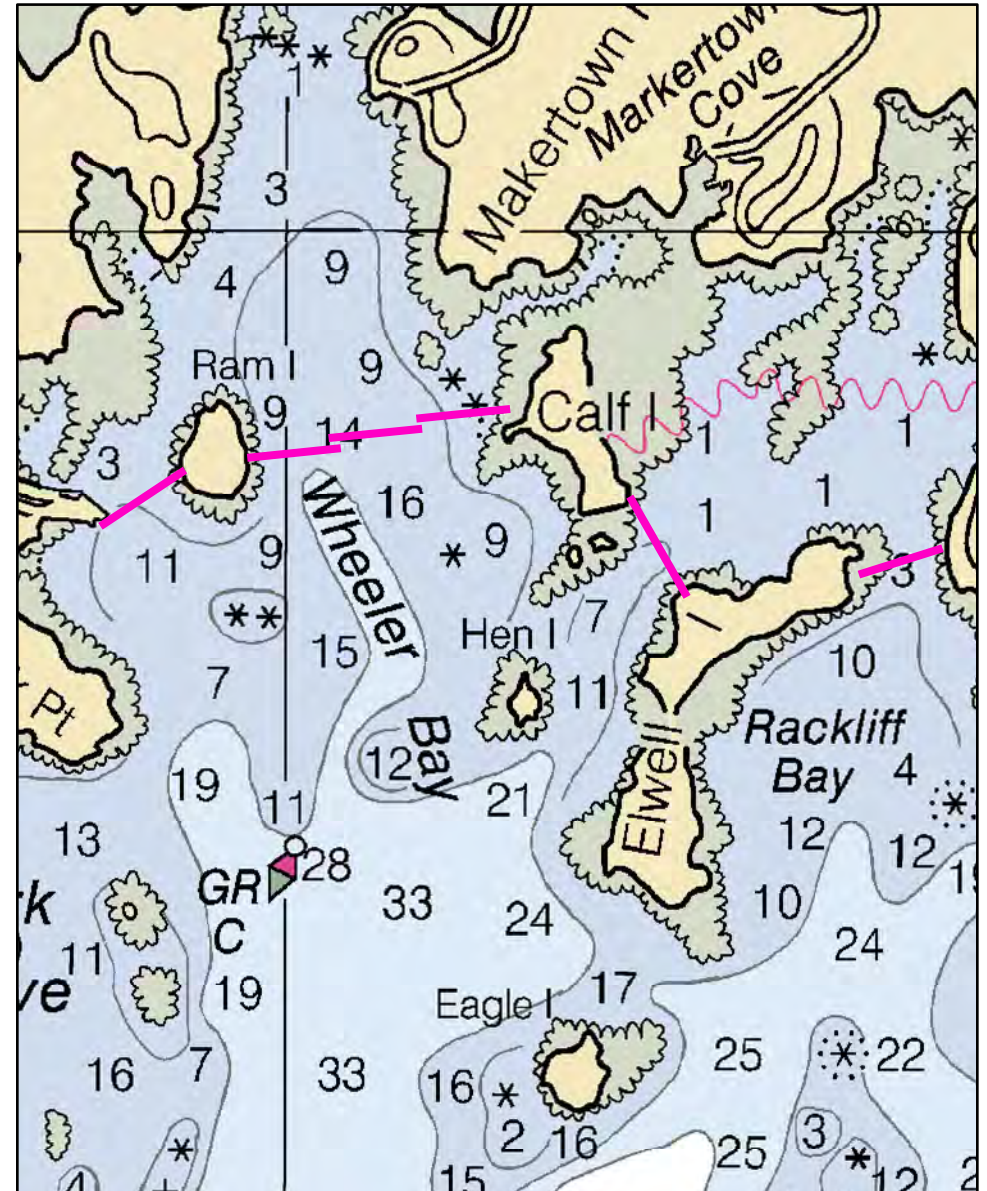
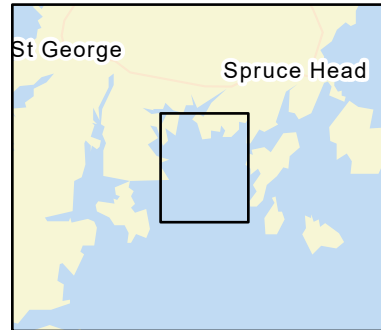
Last Field Test:

C-08-1

Saint George: Wheeler Bay Saint George, ME



Date printed: 9/10/2022 7:52 PM



C-08-1 St. George: Wheeler Bay

Town	Saint George	Port Region	Penobscot Bay
Latitude	43° 59.802' N	Longitude	69° 09.761' W
Approx. Tidal Range (feet)	10	NOAA Chart #	13301_1
Max Current (knots)	Flood	ESI Map #	37C, 37A
Source	Ebb	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 600 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

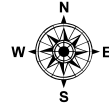
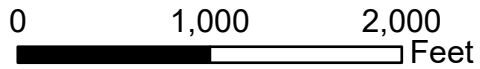
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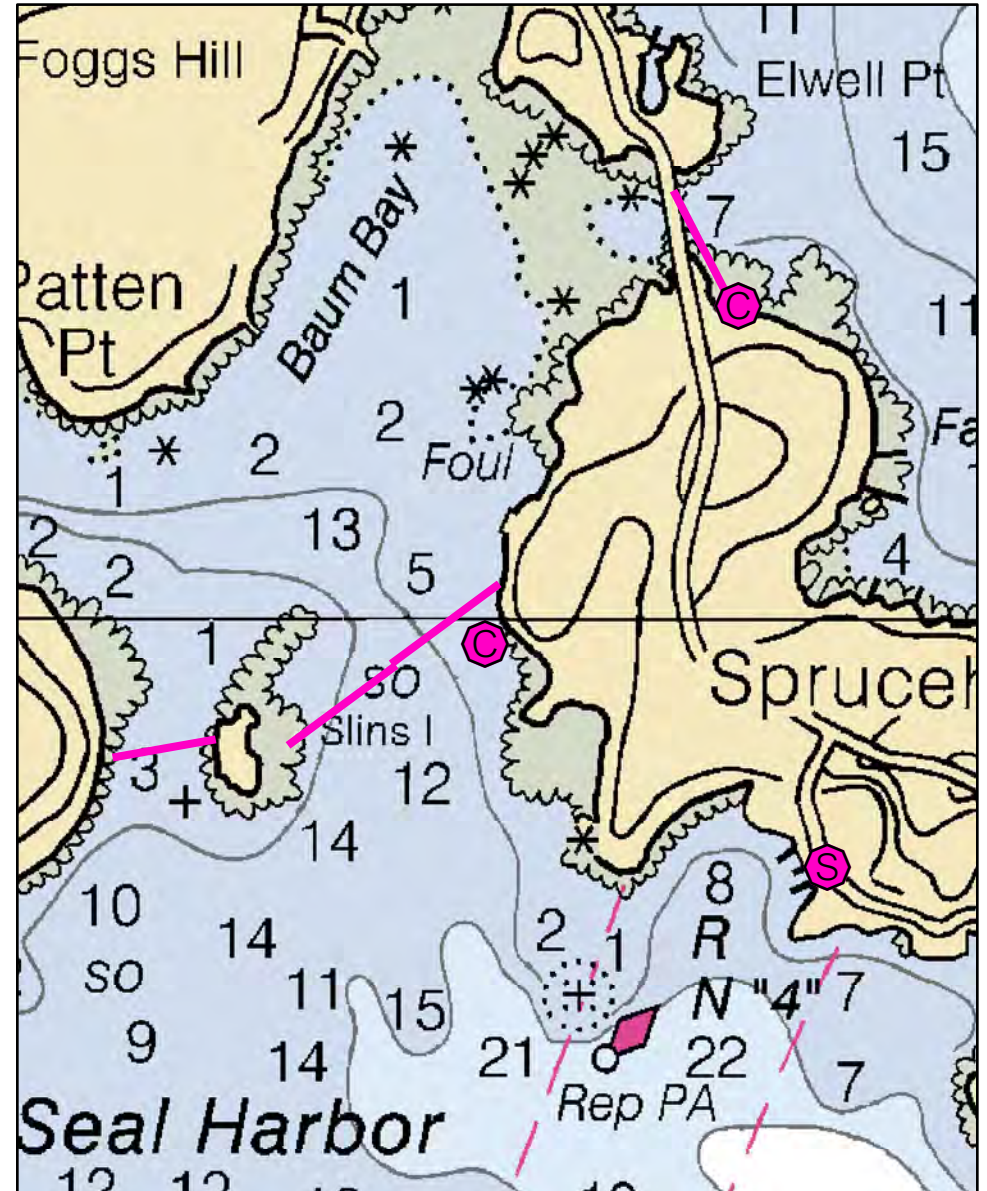
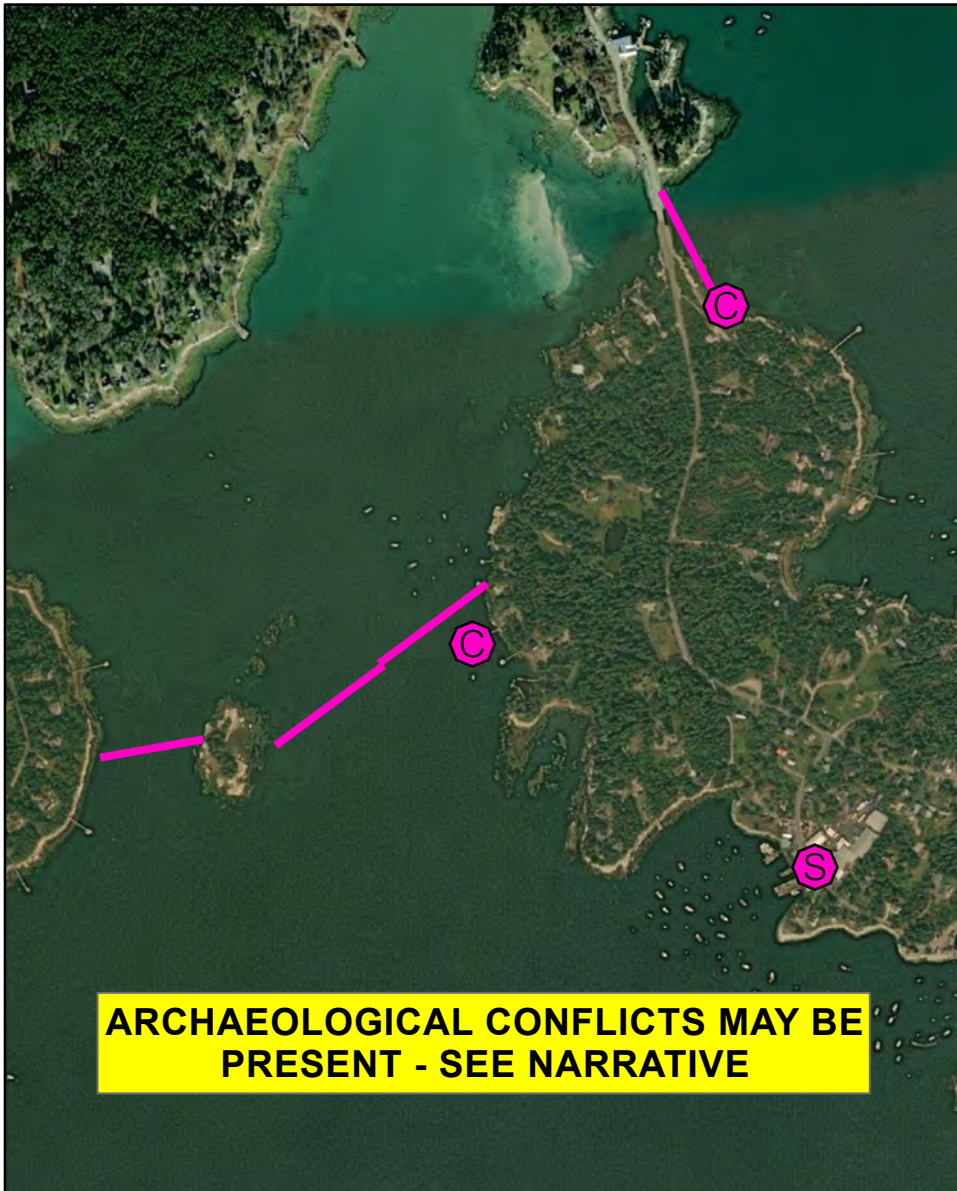
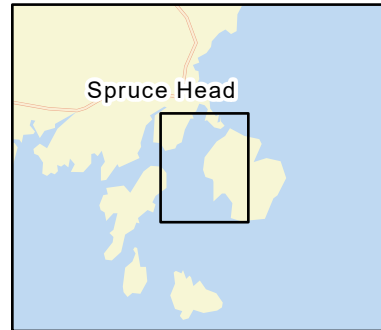
C-09-1

Spruce Head / Seal Harbor

Saint George / South Thomaston, ME



Date printed: 9/10/2022 7:52 PM



C-09-1 Spruce Head / Seal Harbor

Town Saint George / South Thomaston

Port Region Penobscot Bay

Latitude 43° 59.954 N **Longitude** 69° 7.793 W

NOAA Chart # 13305_1

Approx. Tidal Range (feet) 10

ESI Map # 37A, 37C

Max Current (knots) Flood Ebb

EVI Map # 36

Source **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

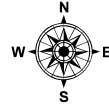
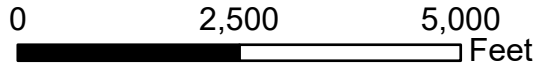
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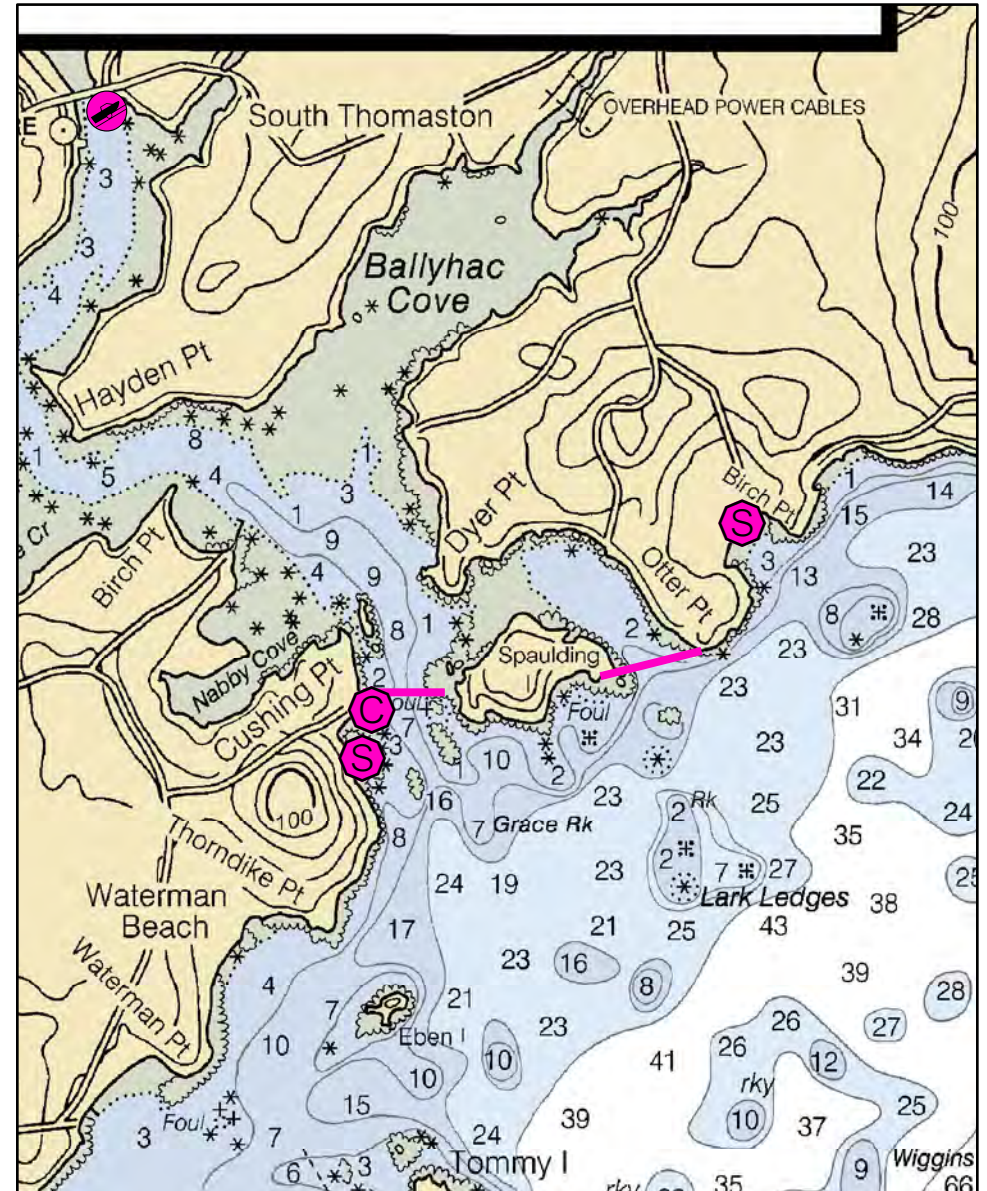
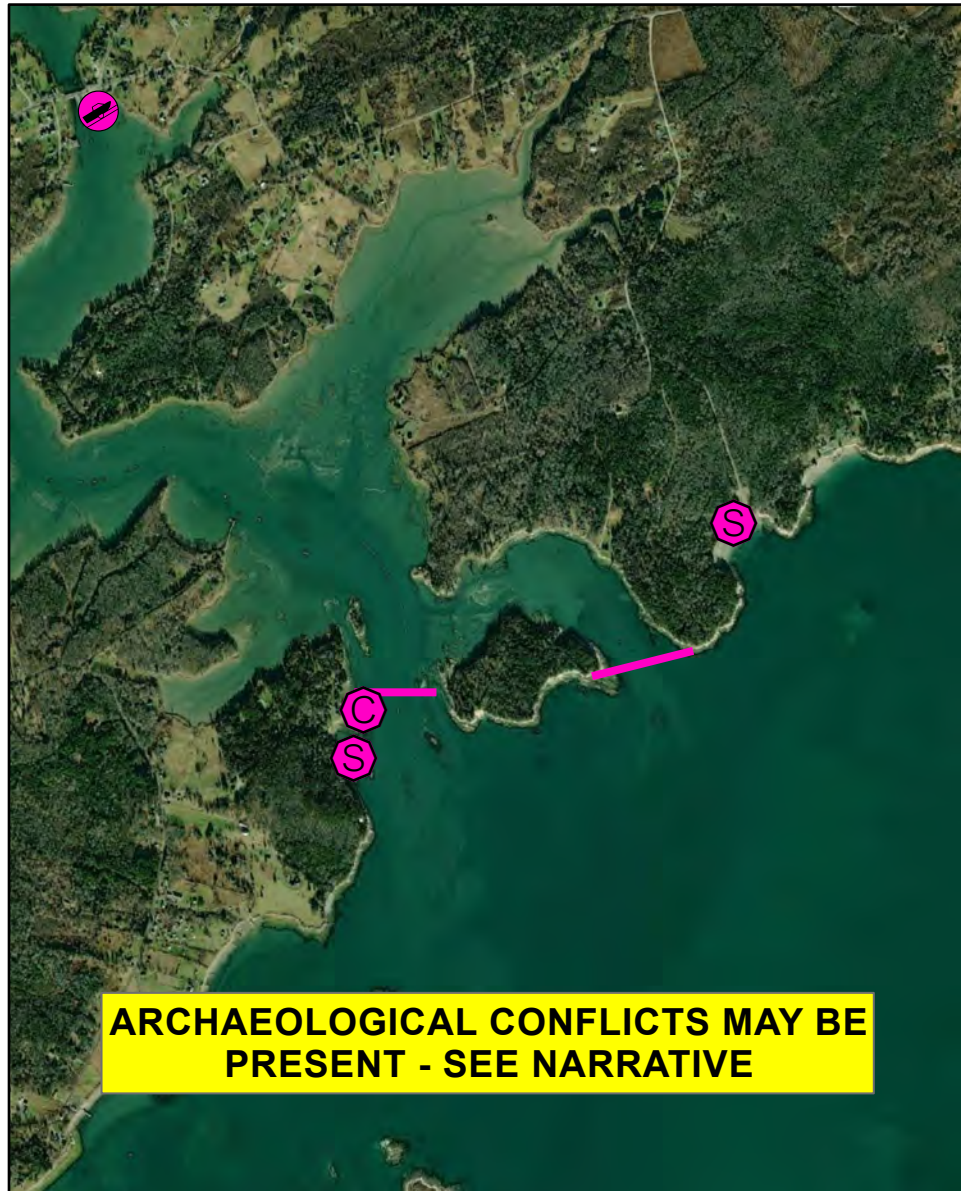
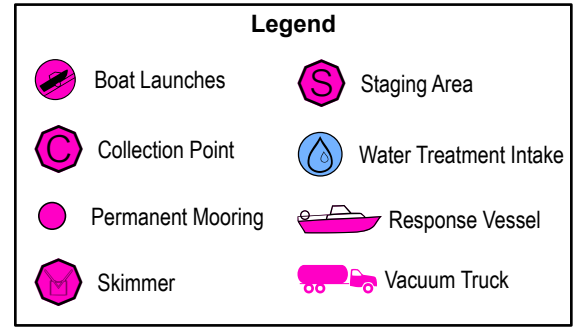
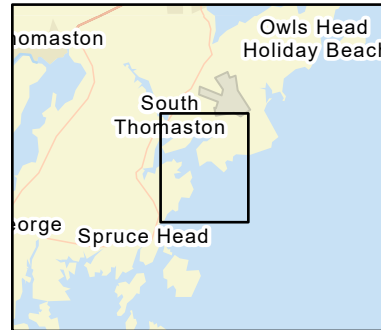
C-10-1

Weskeag River / Ballyhac Cove

South Thomaston / Owls Head, ME



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C-10-1 Weskeag River / Ballyhac Cove

Town	South Thomaston / Owls Head	Port Region	Penobscot Bay
Latitude	44° 01.931' N	Longitude	69° 06.706' W
Approx. Tidal Range (feet)	10	NOAA Chart #	13305_1
Max Current (knots)	Flood	ESI Map #	37A
Source	Ebb	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

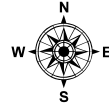
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C-11-1

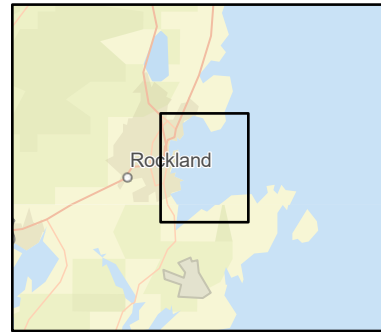
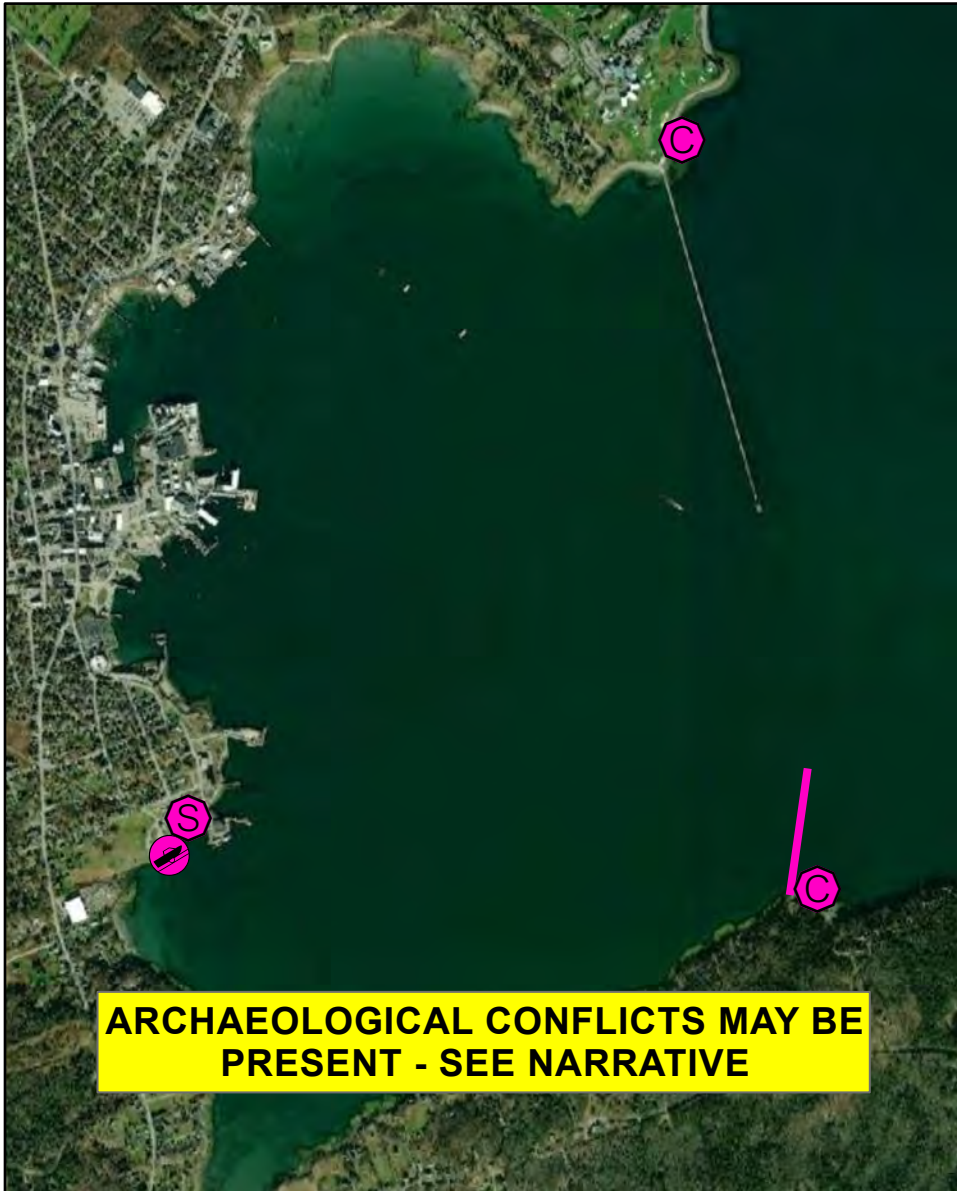
Rockland Harbor

Rockland / Owls Head, ME

0 2,500 5,000 Feet

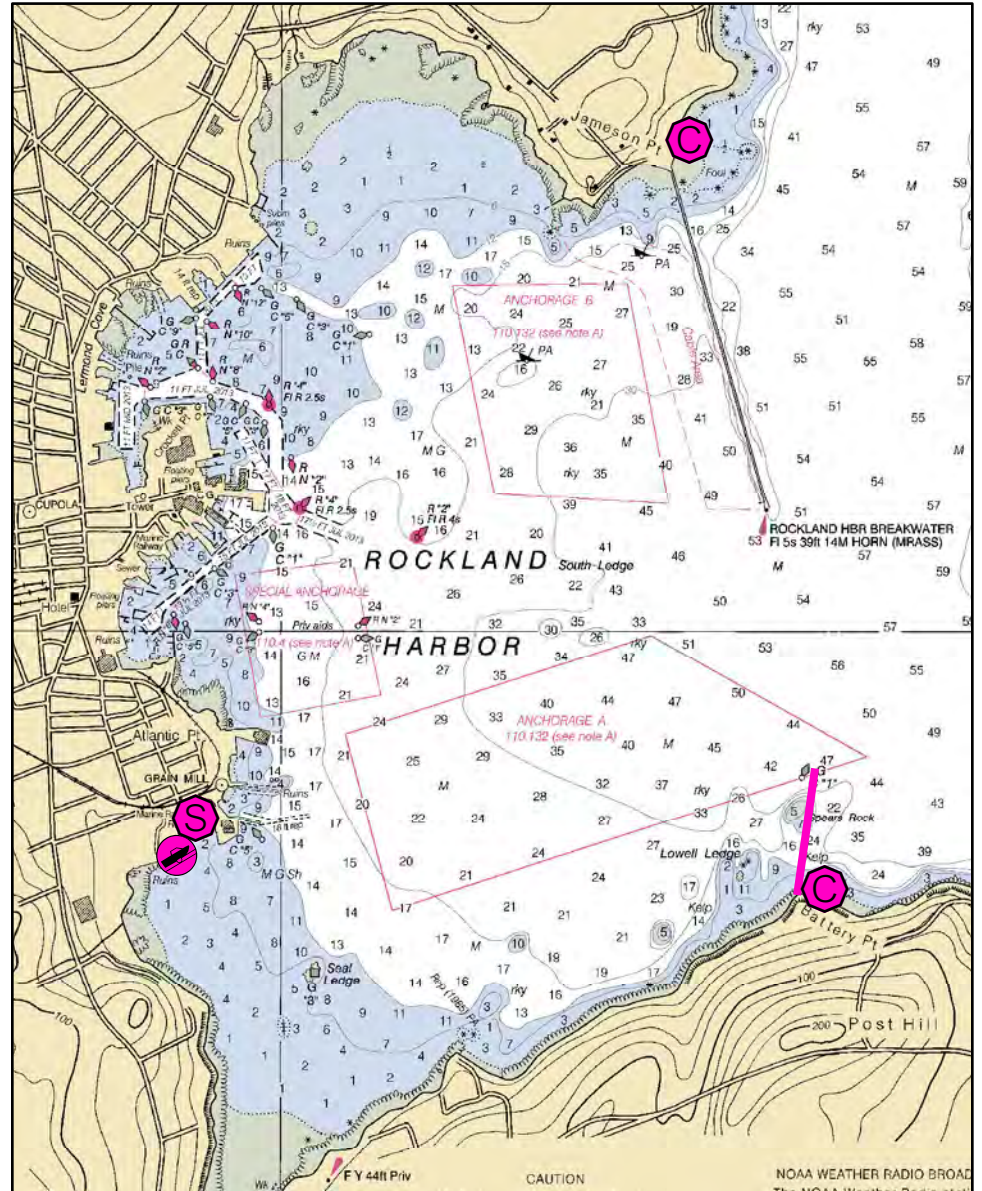


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Legend

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



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.

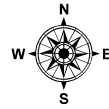
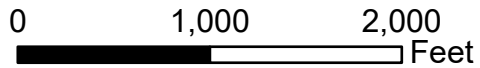
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Last Field Visit 7/3/2007

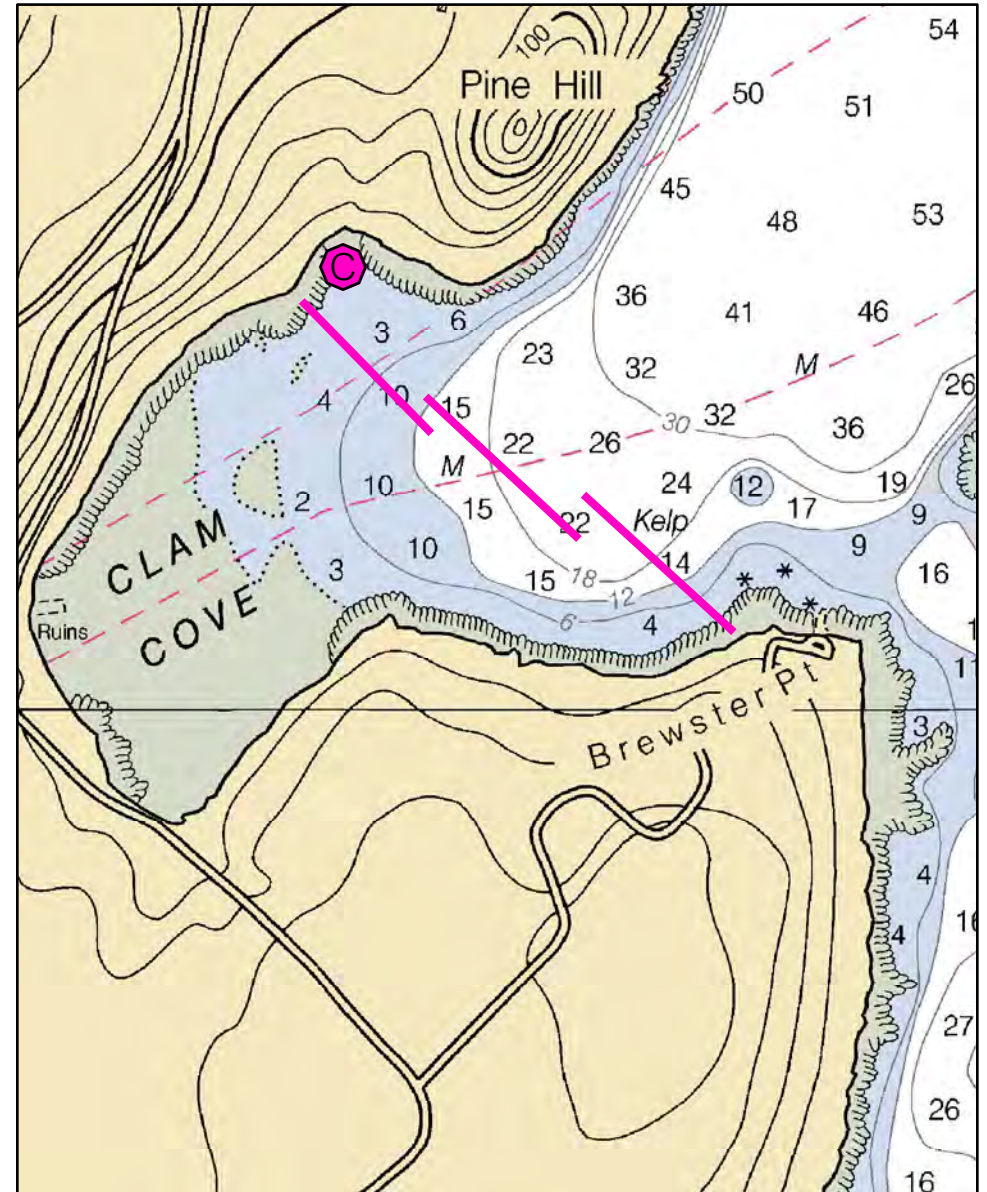
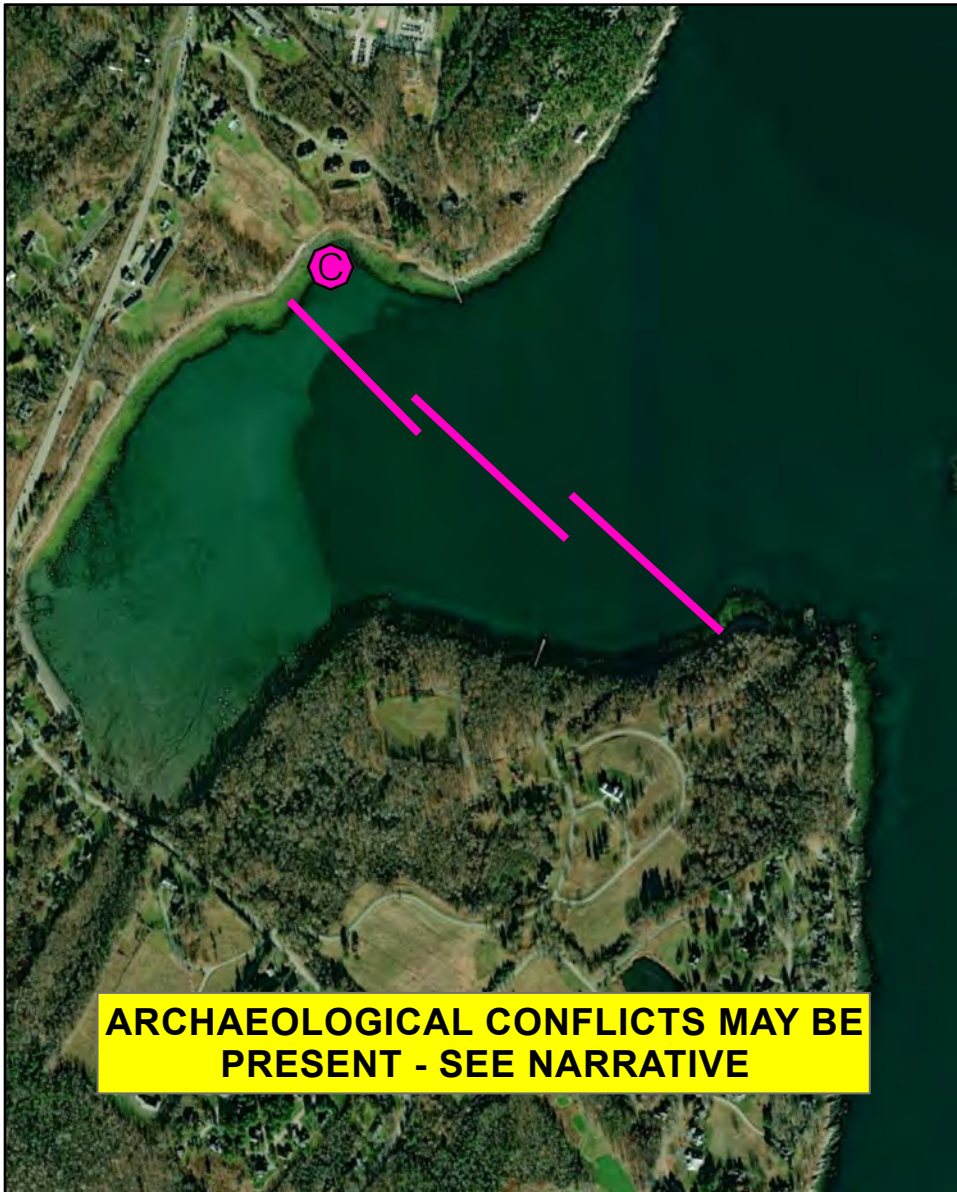
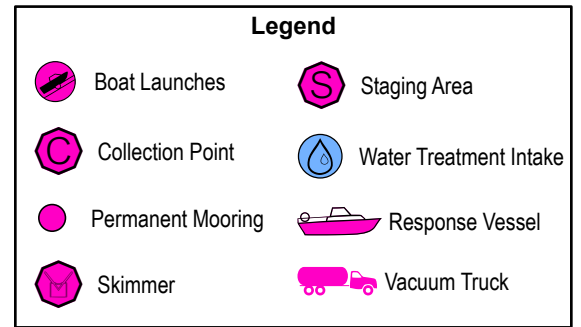
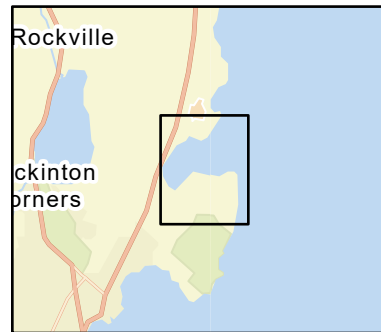
Last Field Test:

C-12-1

Clam Cove, Rockport Rockport, ME



Date printed: 9/10/2022 7:52 PM



C-12-1 Clam Cove, Rockport

Town	Rockport	Port Region	Penobscot Bay
Latitude	44° 8.24' N	Longitude	69° 5.038' W
Approx. Tidal Range (feet)	11	NOAA Chart #	13307_1
Max Current (knots)		ESI Map #	30B
Source	Flood	EVI Map #	43, 42
	Ebb	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.

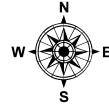
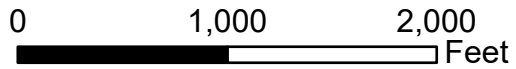
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Last Field Visit 9/15/2009

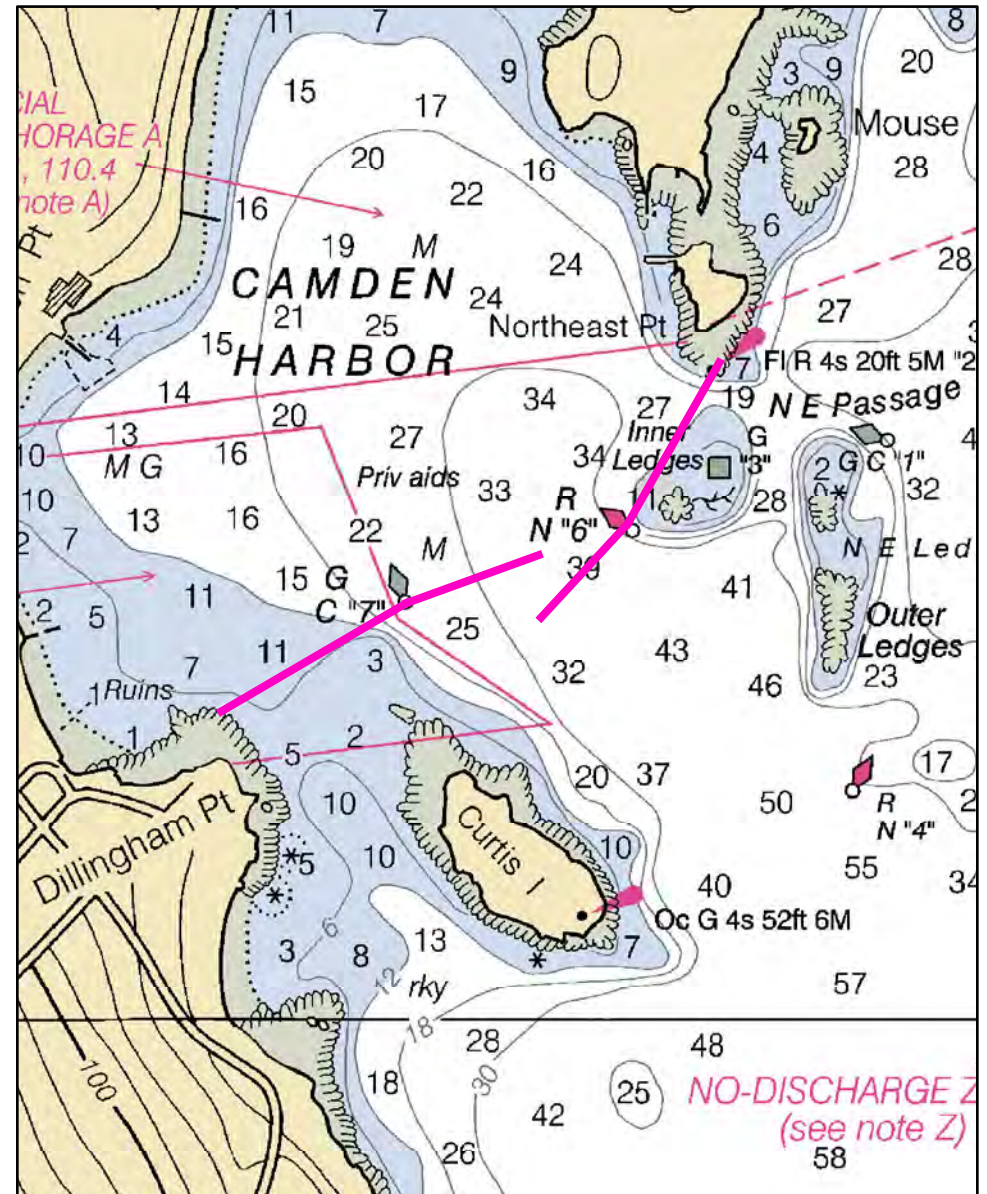
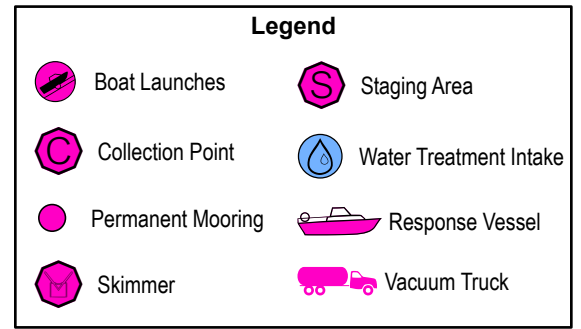
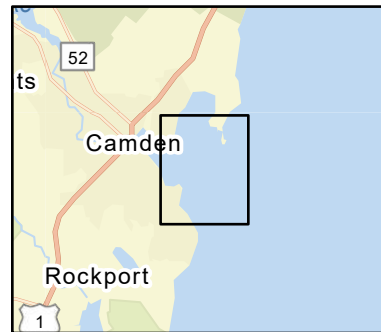
Last Field Test:

C-13-1

Camden Harbor Camden, ME



Date printed: 9/10/2022 7:52 PM



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

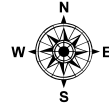
Last Field Visit: 9/15/2009

Last Field Test:

C-14-1

Ducktrap Harbor Lincolnville, ME

0 1,000 2,000
Feet

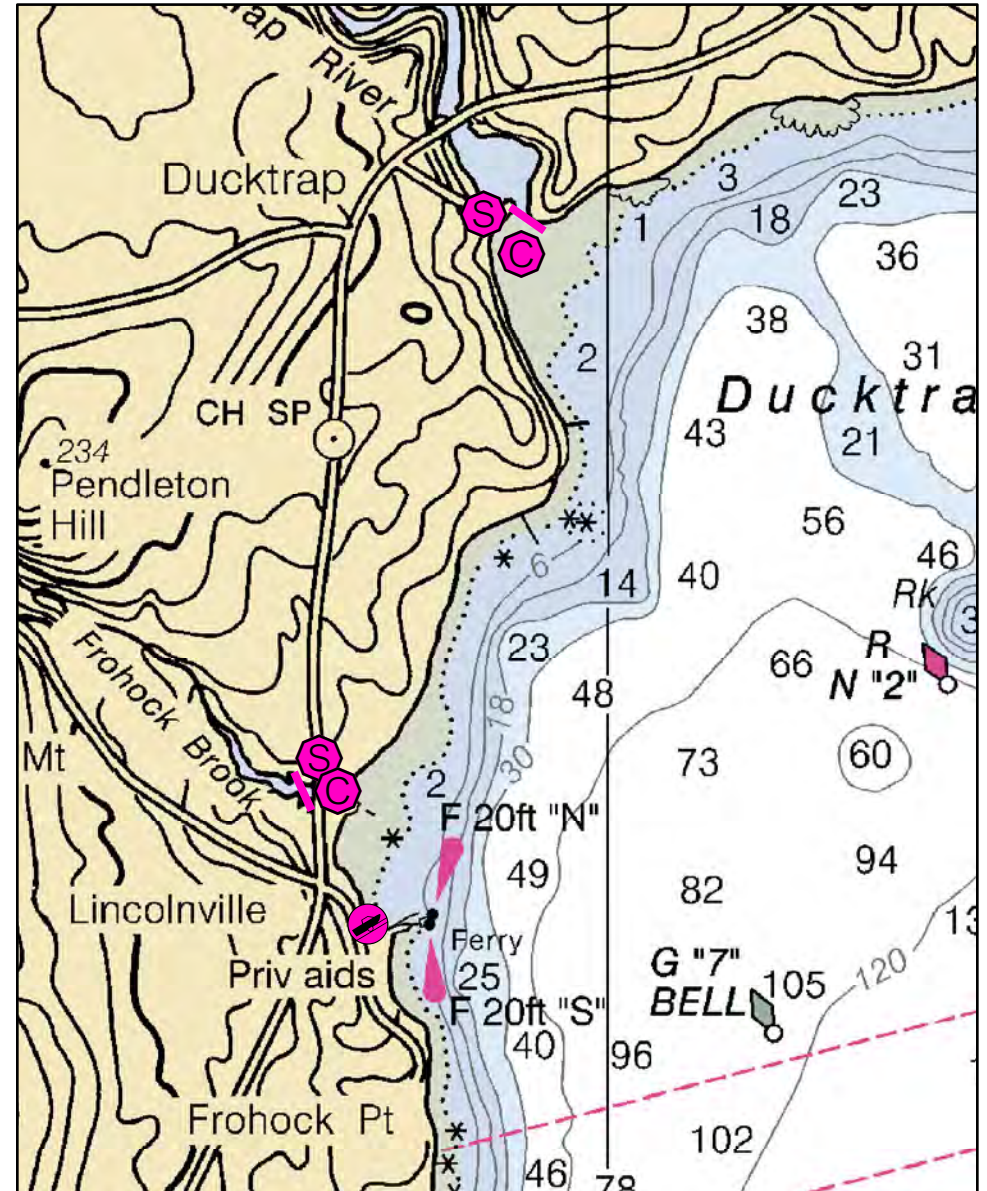
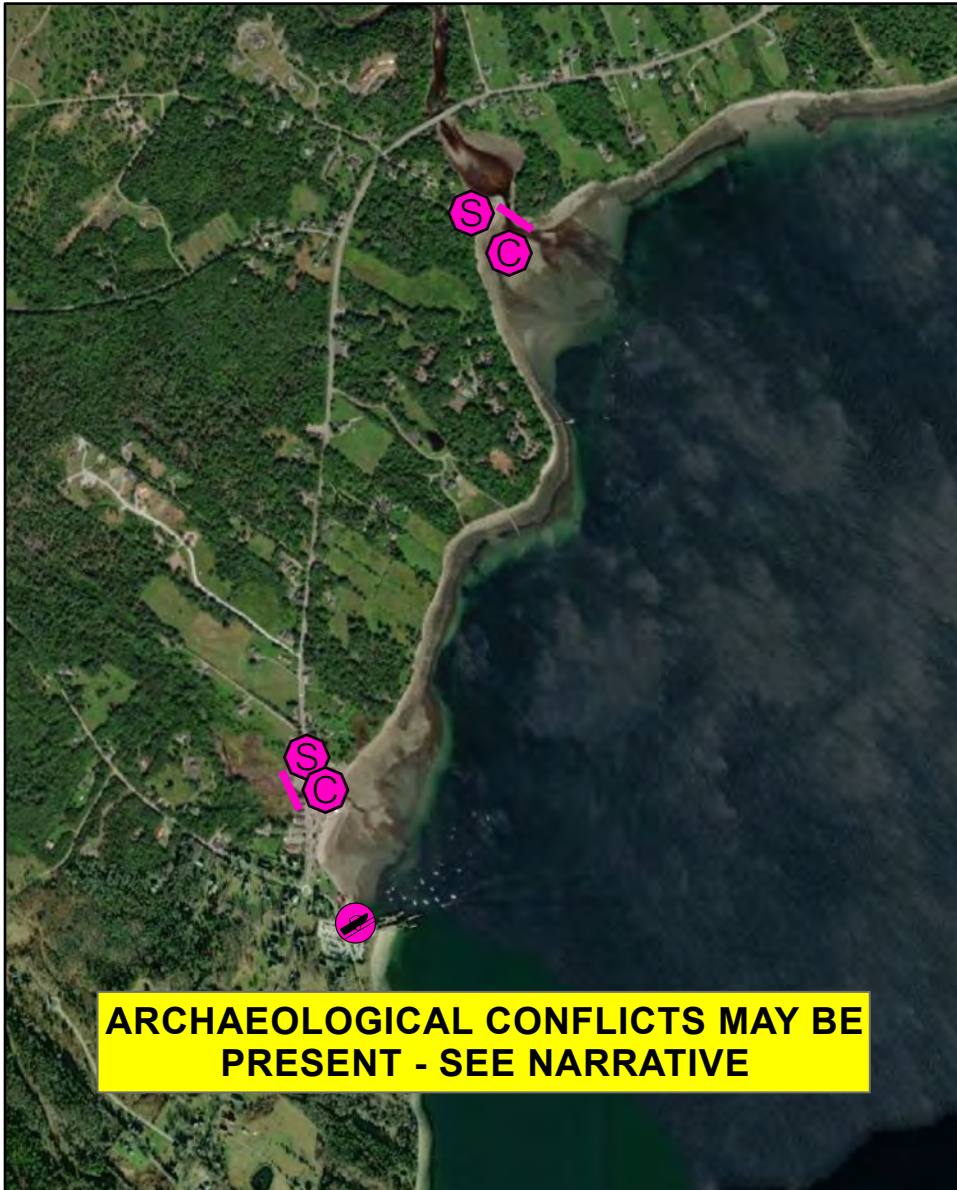


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Legend

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



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

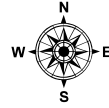
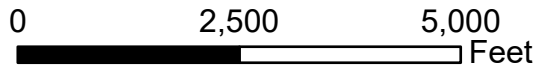
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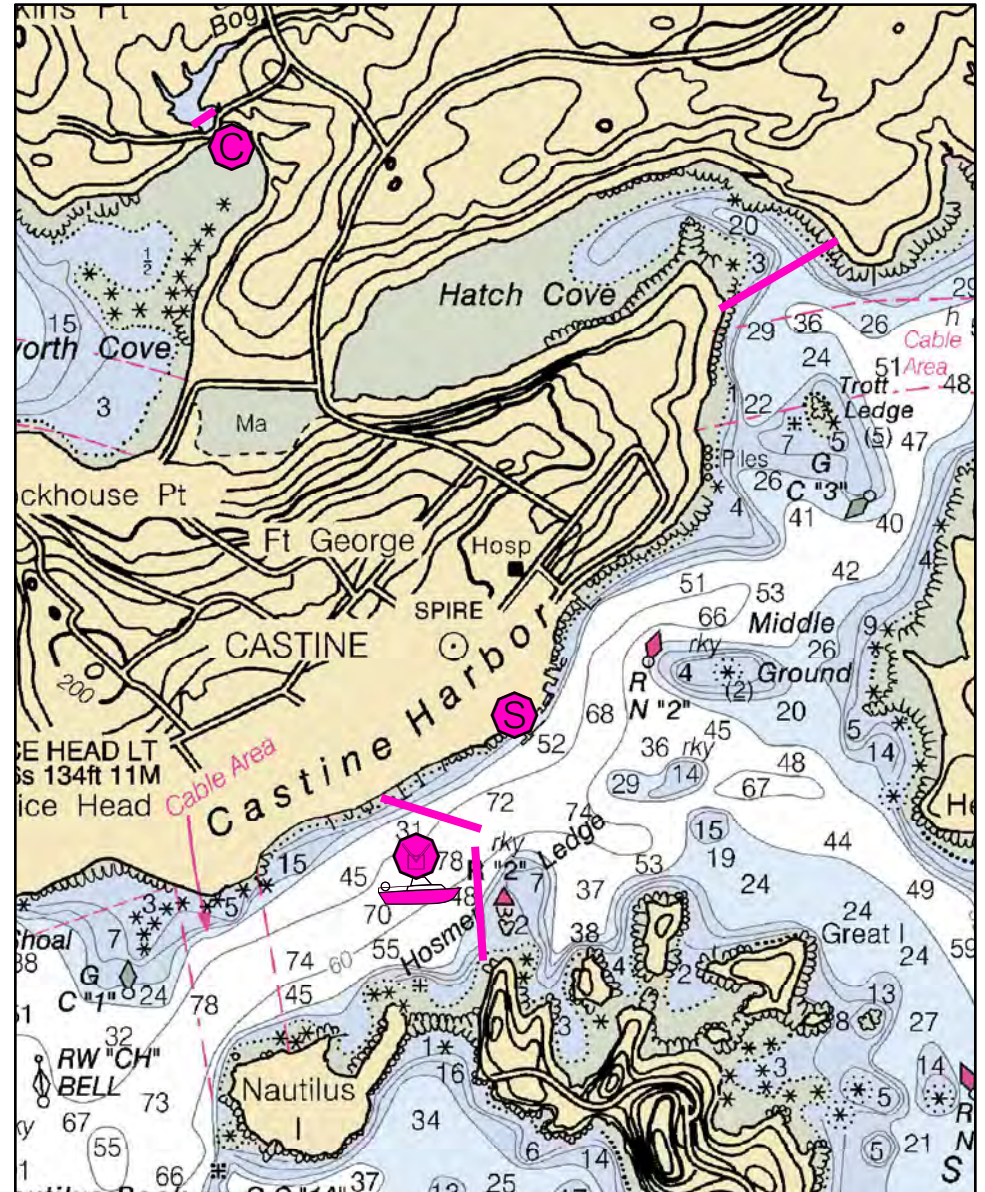
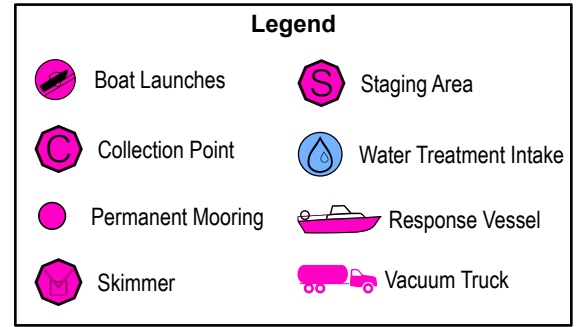
C-15-1

Castine Harbor / Wadsworth & Hatch Coves

Castine, ME



Date printed: 9/11/2022 7:23 PM



C-15-1 Castine Harbor / Wadsworth & Hatch Coves

Town	Castine	Port Region	Penobscot Bay
Latitude	44° 24.464' N	Longitude	68° 47.275' W
Approx. Tidal Range (feet)	10	NOAA Chart #	13309_1
Max Current (knots)	Flood 1.9	ESI Map #	23C, 23D, 23B, 23A
	Ebb	EVI Map #	58, 65, 48, 64
Source	NOAA estimate	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

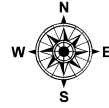
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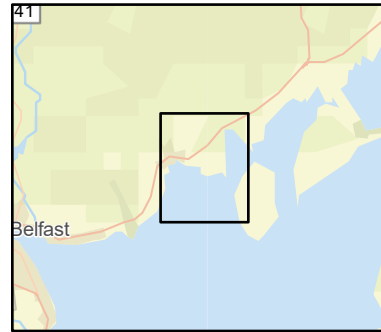
C-16-1

Mack Point / Long Cove Searsport, ME

0 2,500 5,000
Feet

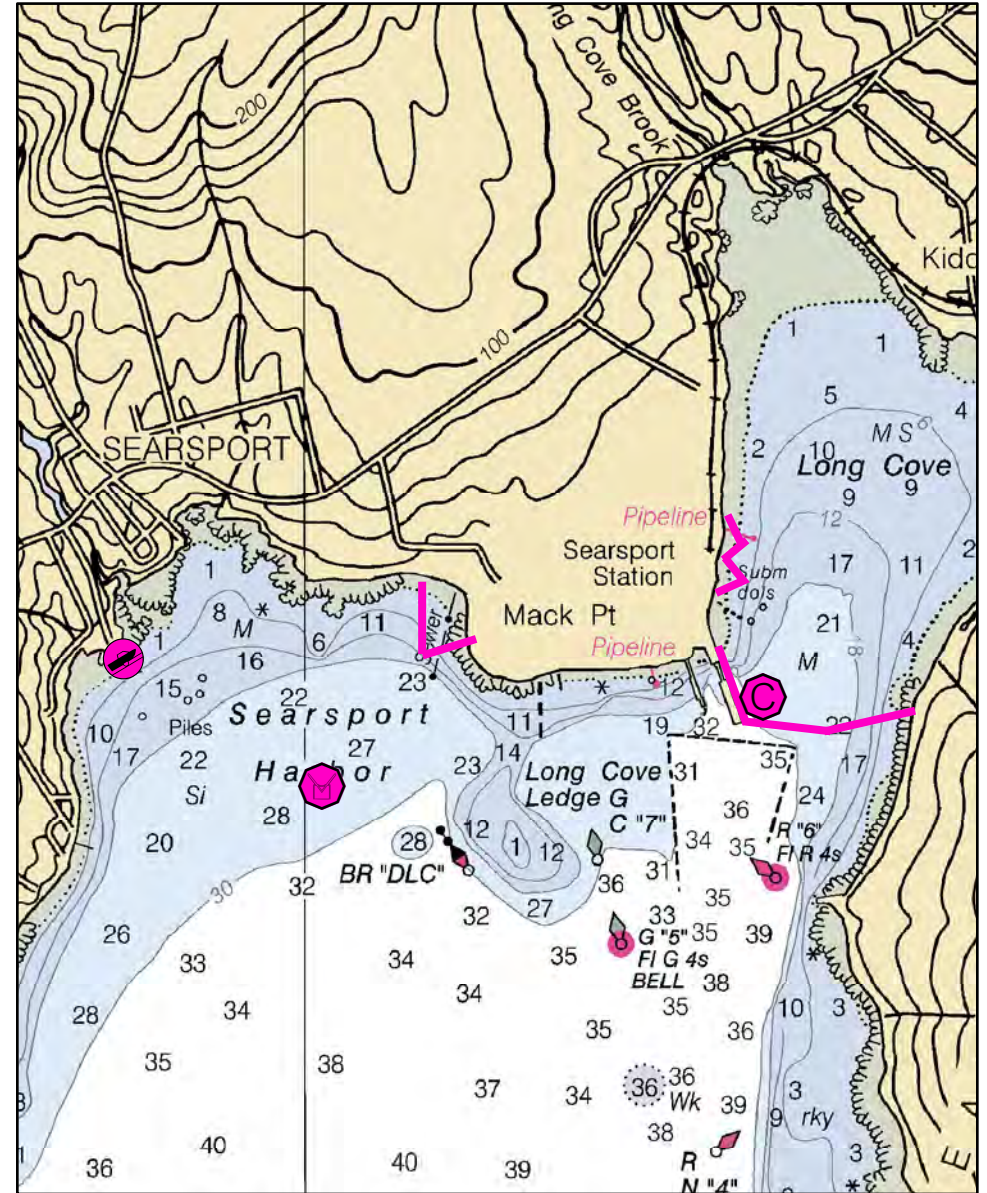
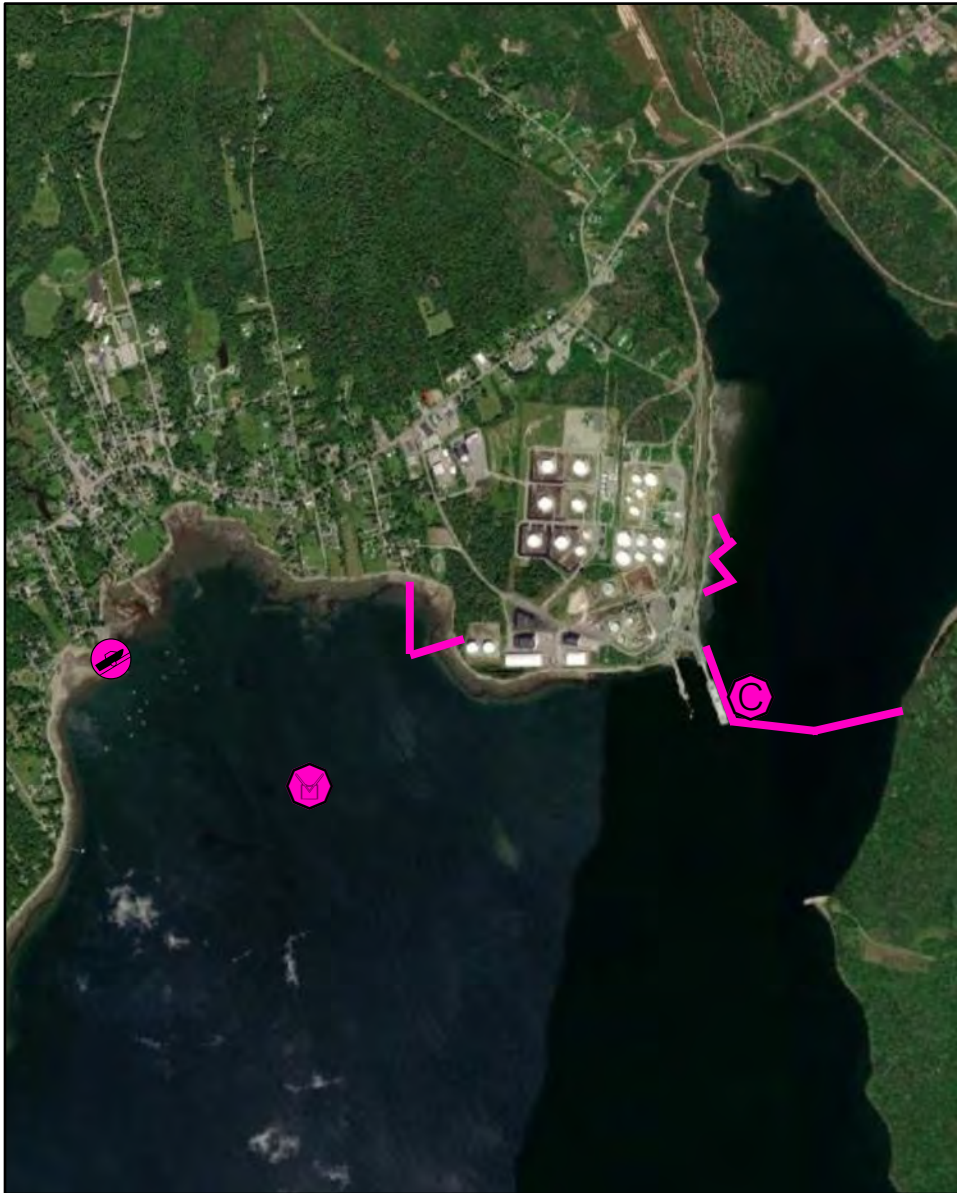


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Legend

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



C-16-1 Mack Point / Long Cove

Town	Searsport	Port Region	Penobscot Bay
Latitude	44° 27.04' N	Longitude	68° 53.68' W
Approx. Tidal Range (feet)	11	NOAA Chart #	13309_1
Max Current (knots)		ESI Map #	23B, 24A
Source	Flood	EVI Map #	64
	Ebb	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	<p>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.</p> <p>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.</p>

Recommended Equipment / Resources

Length of Boom (feet)	4100	Type of Boom	12" to 18" containment boom
Recommended Equipment (Minimum)	<p>Primary (at pier):</p> <ul style="list-style-type: none">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 storage2 - workboats with minimum 90 hp2 - boat operators4 - laborers	<p>Secondaries (stormwater outfalls):</p> <ul style="list-style-type: none">3 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys.5 - shoreside connections1 - vacuum truck or skimmer and storage1 - boat operator4 - laborers	

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

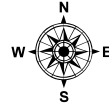
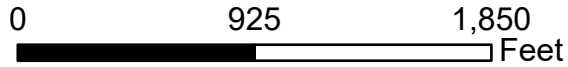
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Last Field Visit: 8/22/2005

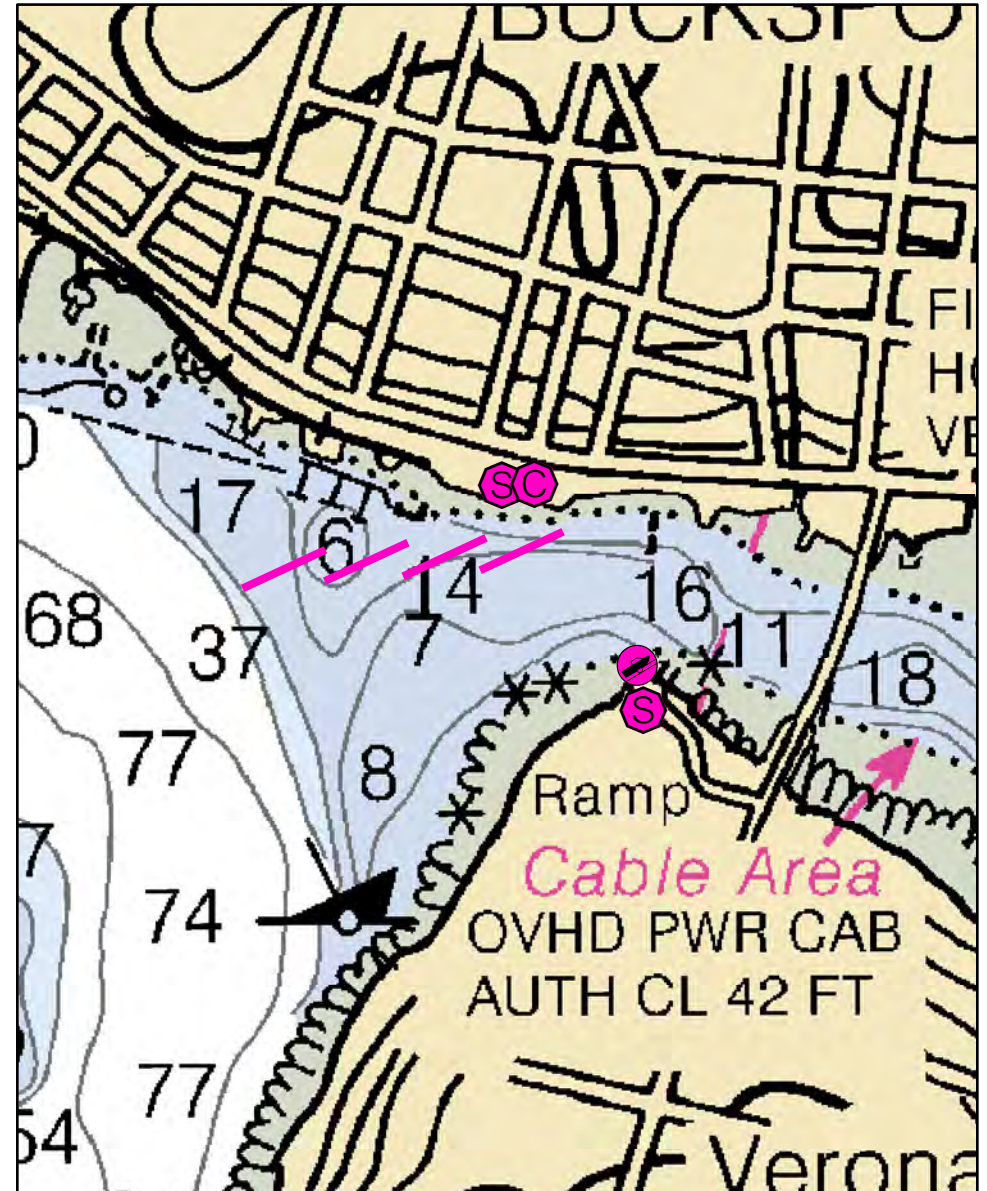
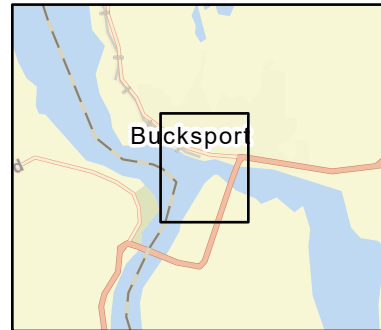
Last Field Test: 9/22/2021

C-17-1

Penobscot River / NE Channel, Bucksport (ebb)
Bucksport / Orland, ME



Date printed: 9/10/2022 7:52 PM



C-17-1 Penobscot River / NE Channel, Bucksport (ebb)

Town	Bucksport / Orland	Port Region	Penobscot Bay
Latitude	44° 34.201' N	Longitude	68° 47. 661' W
Approx. Tidal Range (feet)	11	NOAA Chart #	13309_1
Max Current (knots)	Flood 1.4	ESI Map #	16B, 16C
	Ebb 2.5	EVI Map #	72
Source	Flood measured / ebb est.	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.

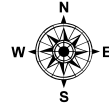
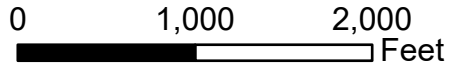
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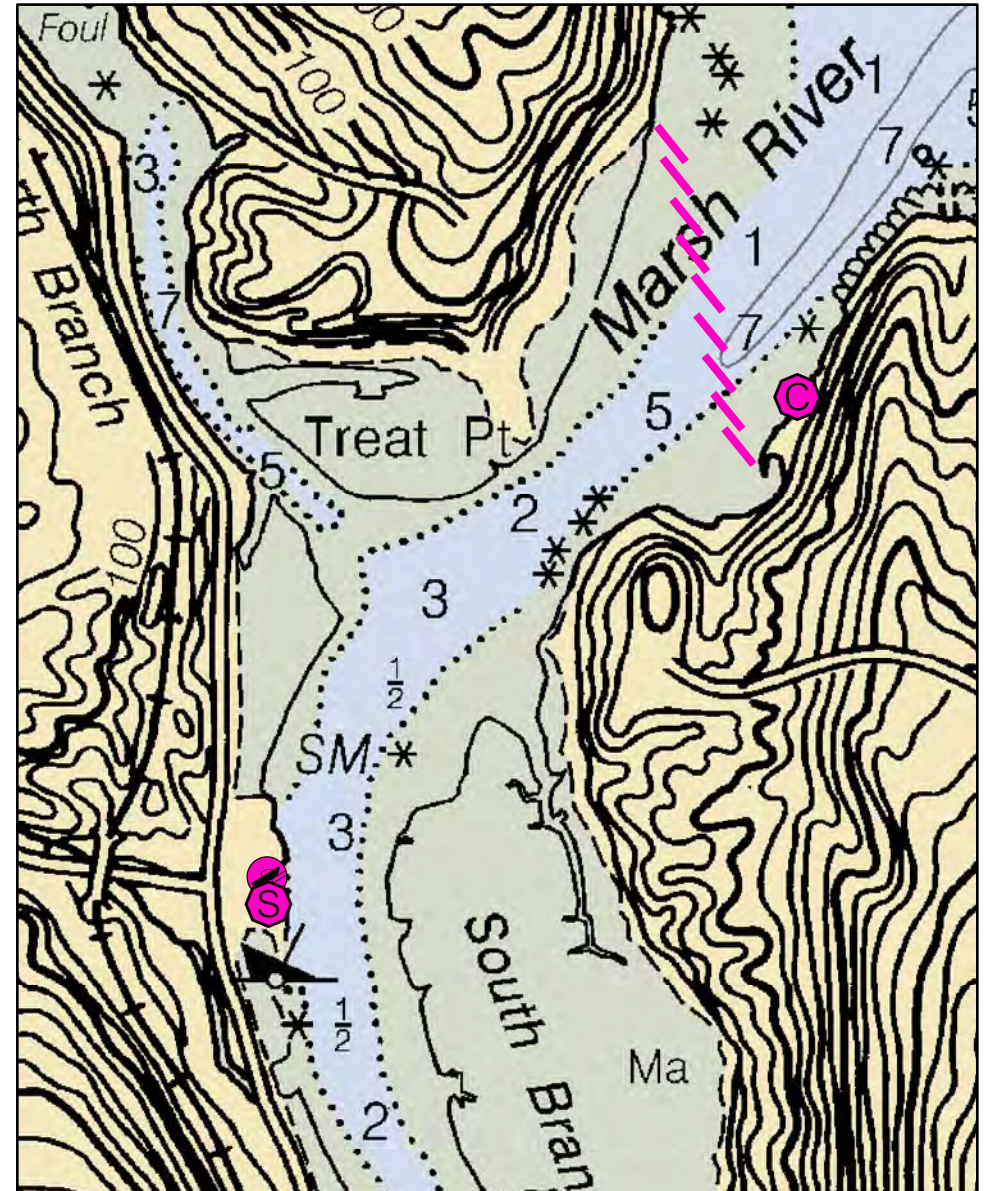
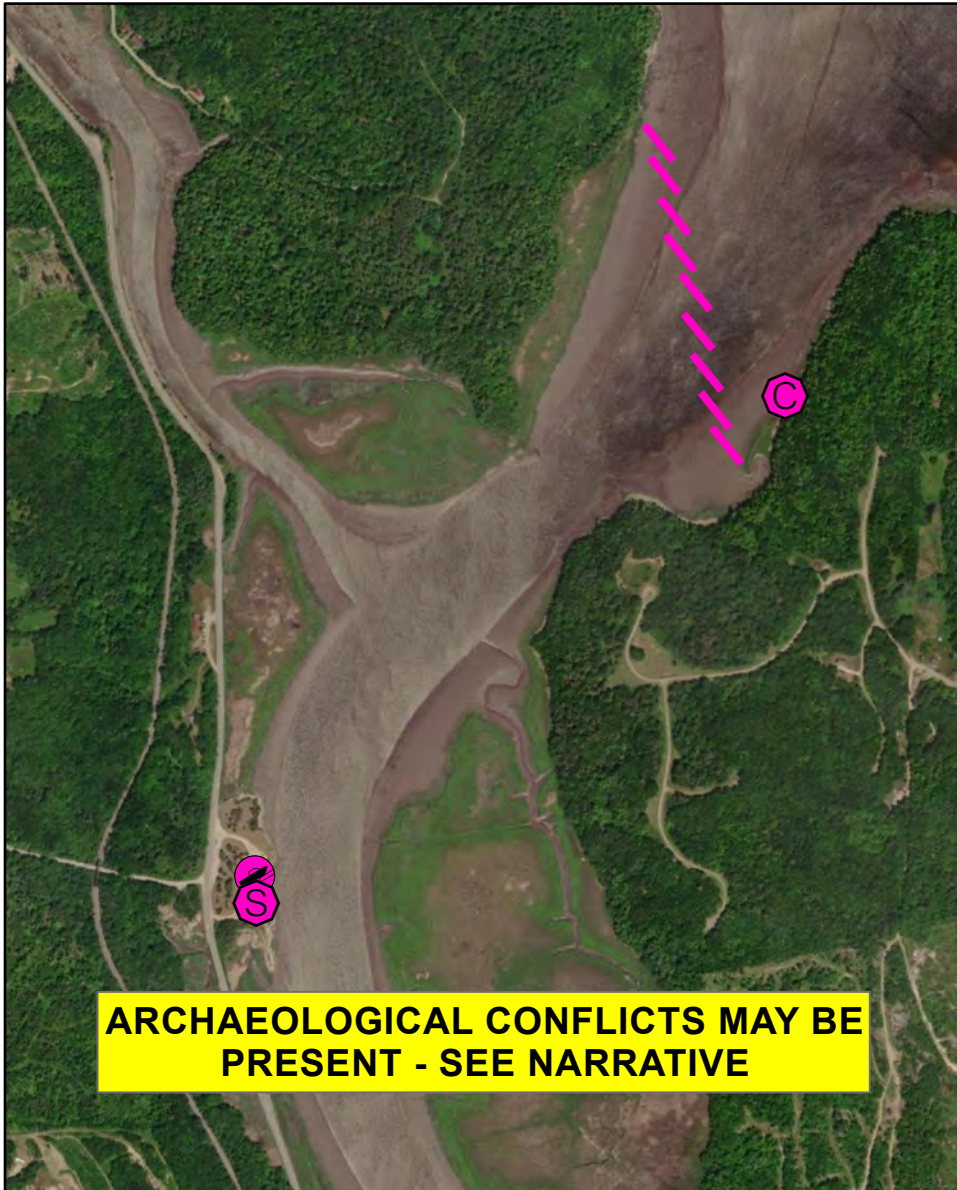
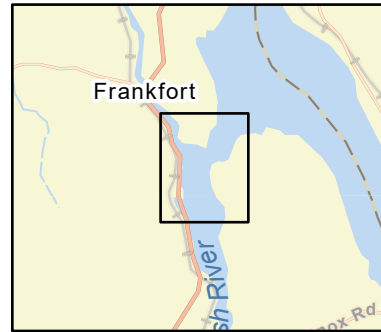
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C-18-1

Frankfort / Marsh River Frankfort / Marsh River, ME



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C-18-1 Frankfort / Marsh River

Town Frankfort / Marsh River

Port Region Penobscot Bay

Latitude 44° 36.025' N **Longitude** 68° 51.325' W

NOAA Chart # 13309_1

Approx. Tidal Range (feet) 12

ESI Map # 16C, 16A

Max Current (knots) **Flood** 2+ knots **Ebb**

EVI Map # 71

Source estimated

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.

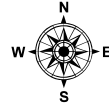
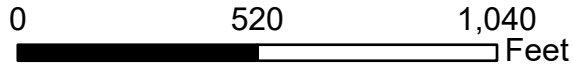
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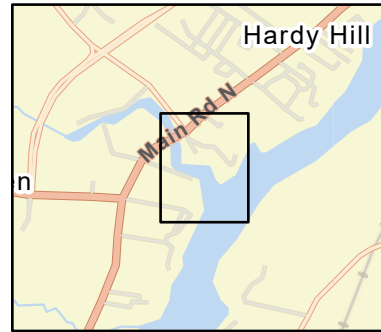
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C-19-1

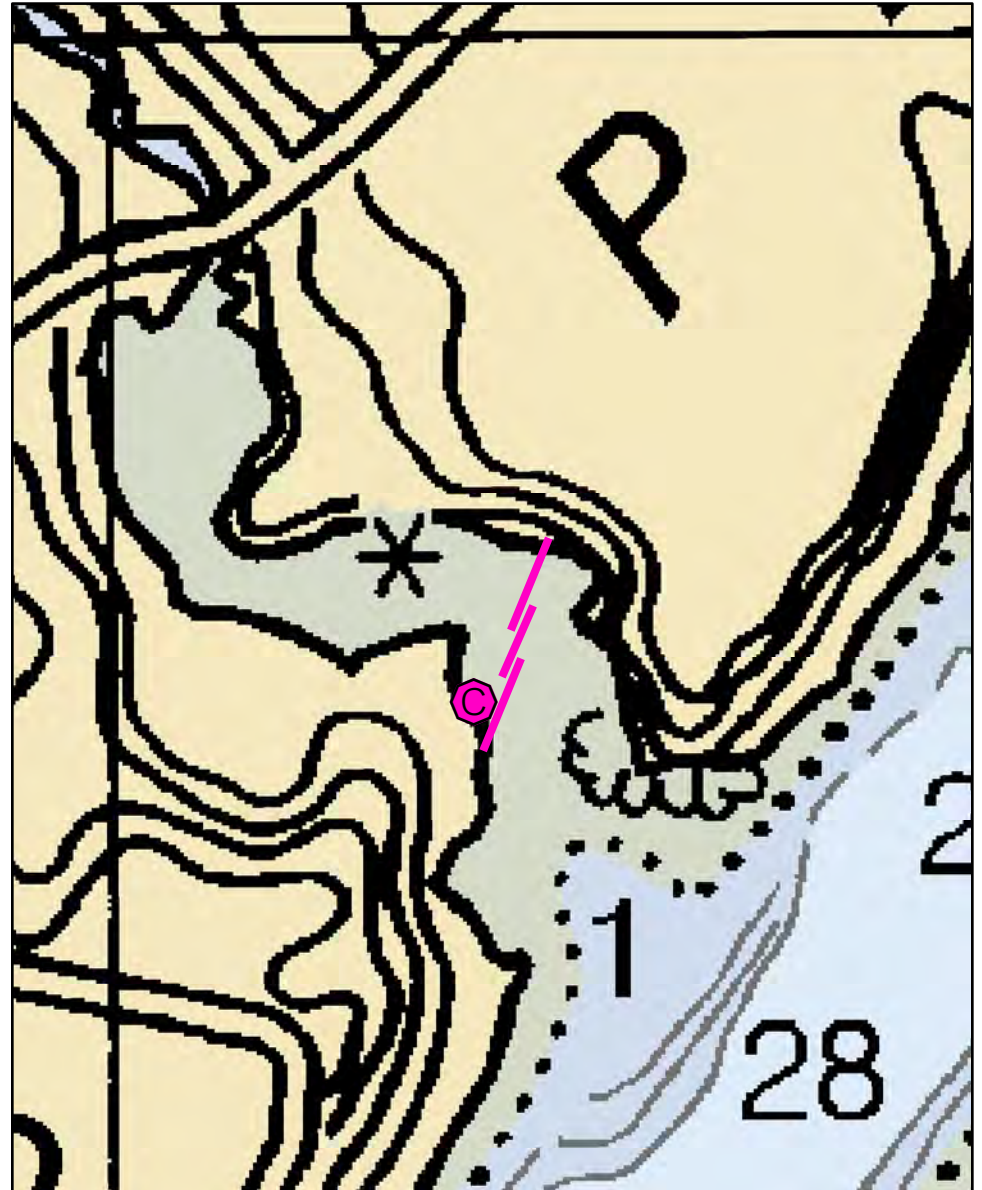
Soudabascook Stream Hampden, ME



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



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.

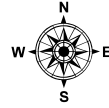
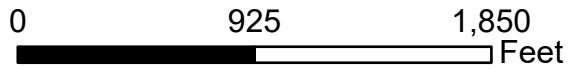
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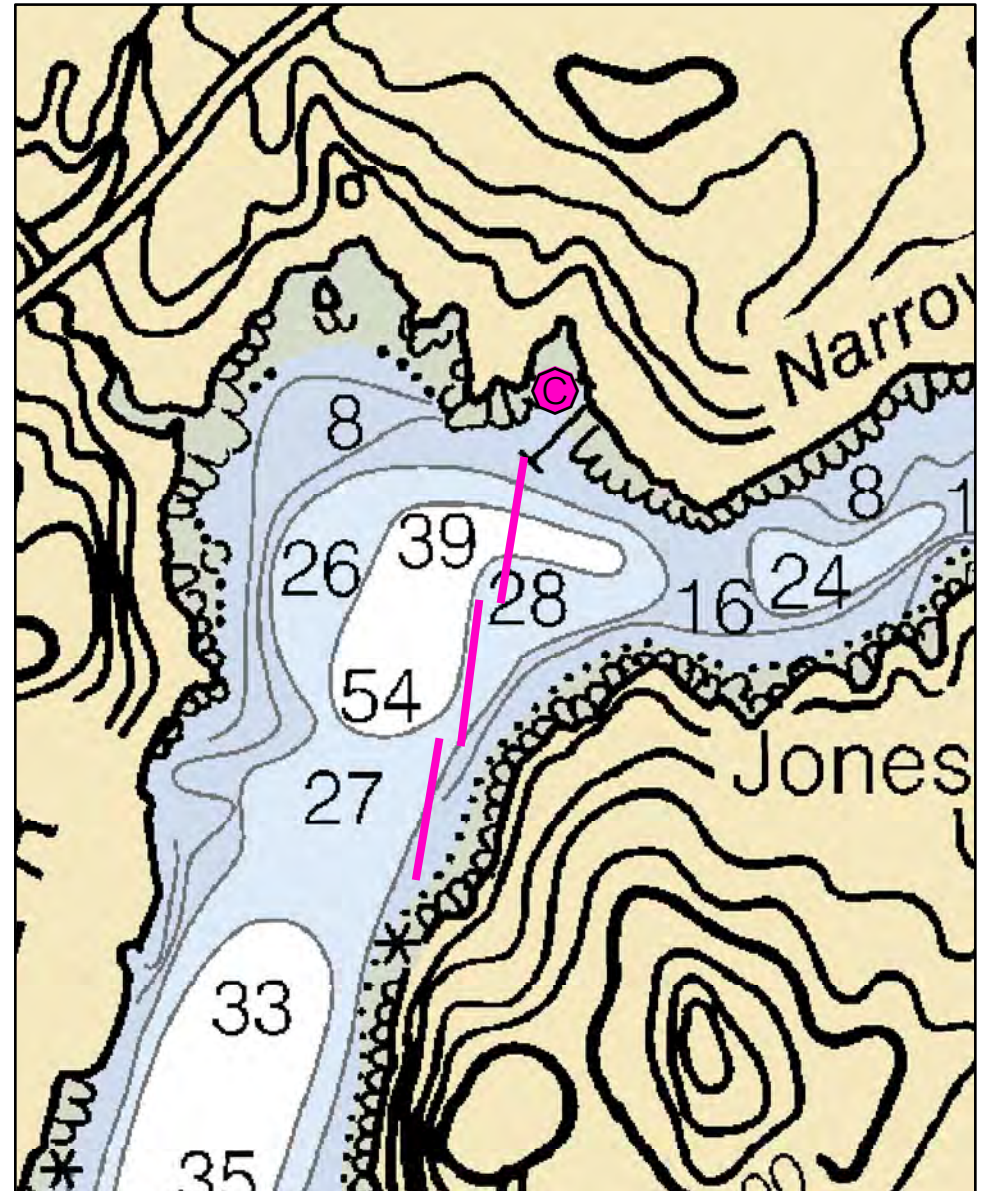
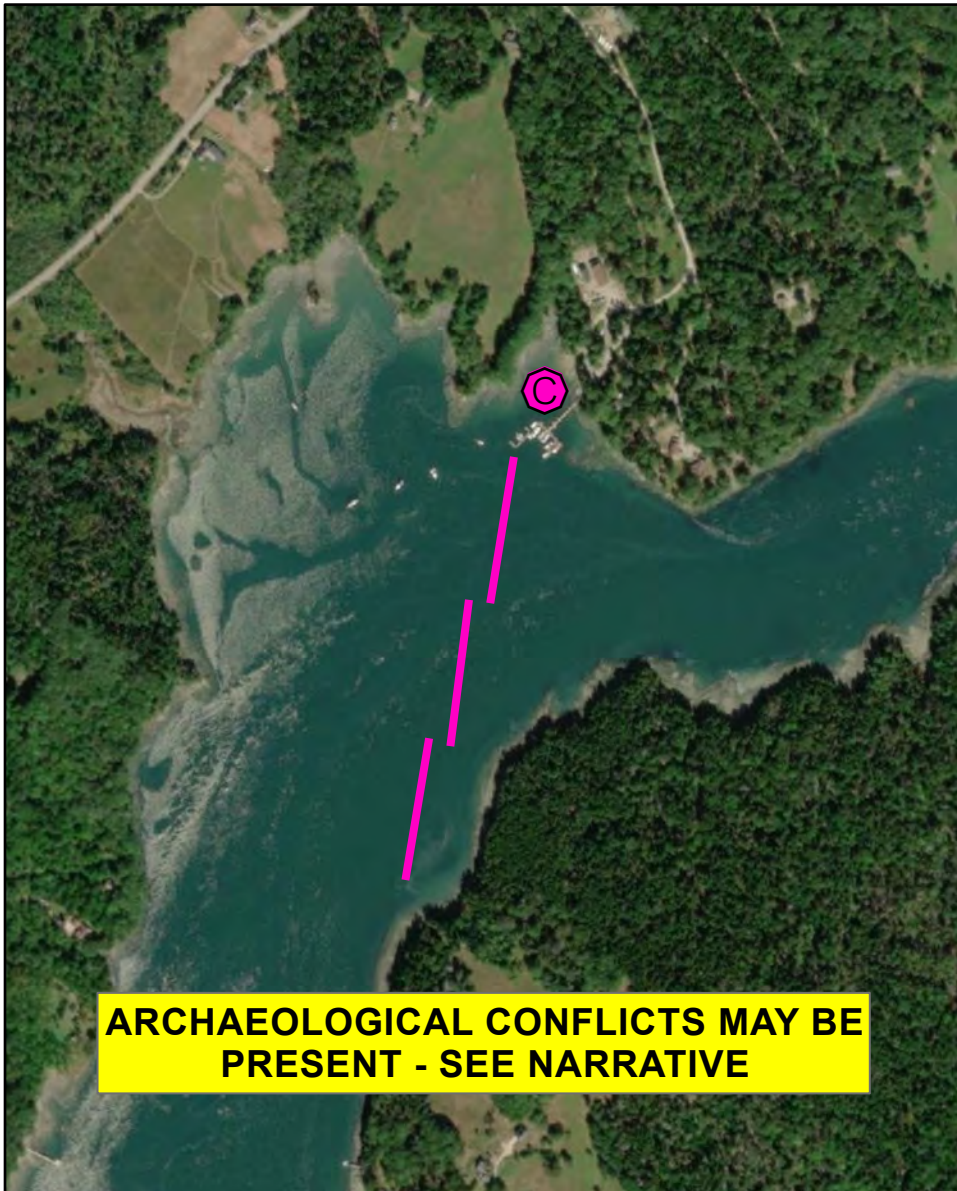
Last Field Test: 8/25/2016

C-20-1

Bagaduce River Penobscot, ME



Date printed: 9/10/2022 7:52 PM



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.

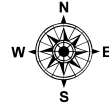
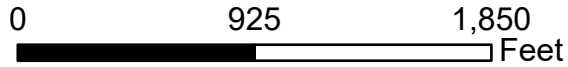
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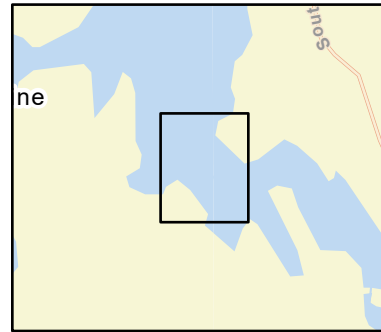
Last Field Test:

C-21-1

Upper Bagaduce River Penobscot / Brooksville, ME

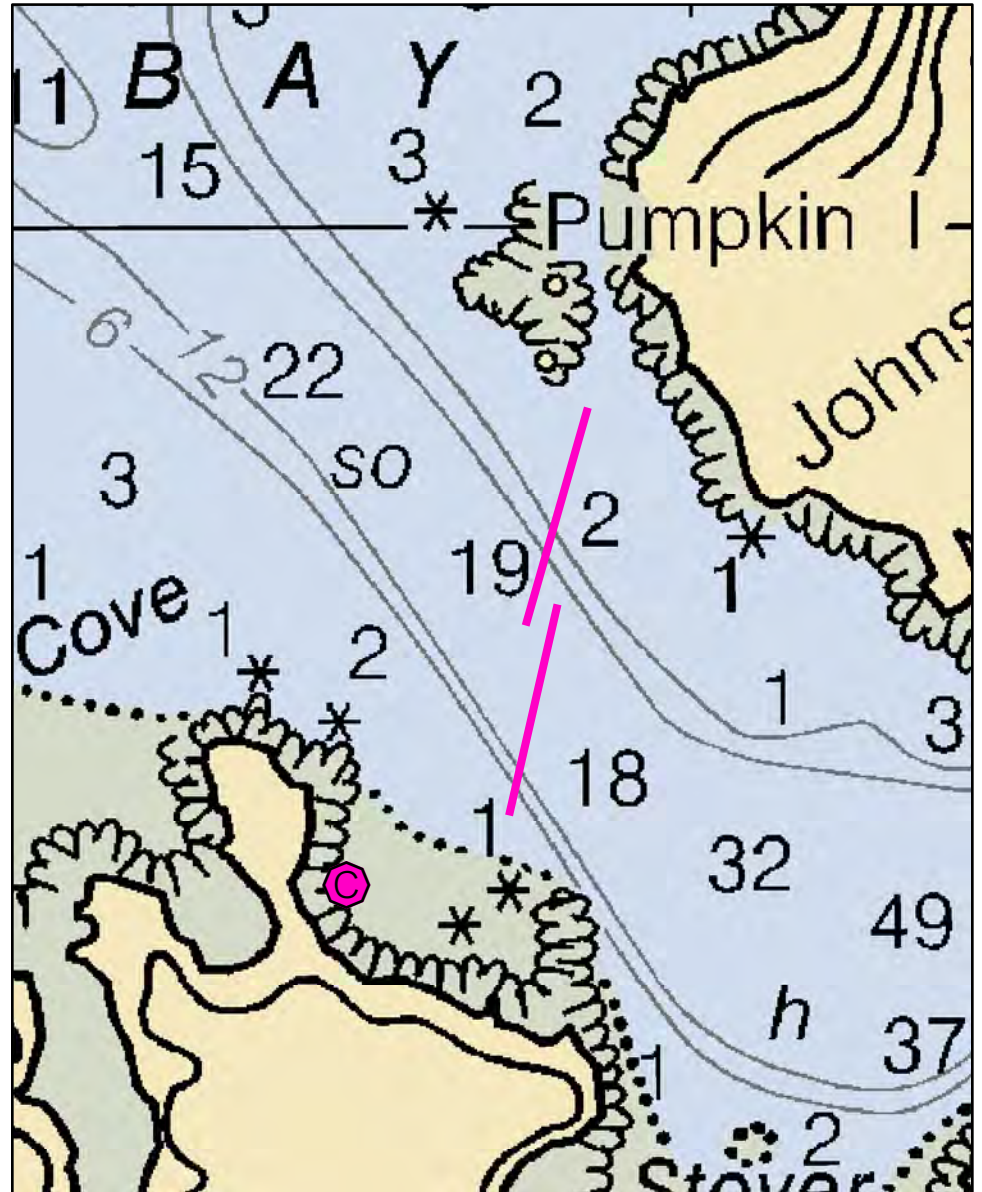


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Legend

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



C-21-1 Upper Bagaduce River

Town Penobscot / Brooksville

Port Region Penobscot Bay

Latitude 44° 24.661' N **Longitude** 68° 43.4' W

NOAA Chart # 13309_1

Approx. Tidal Range (feet) 12

ESI Map # 23A, 23C

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

EVI Map # 65

Source **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.

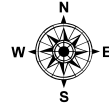
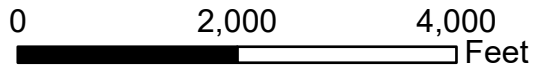
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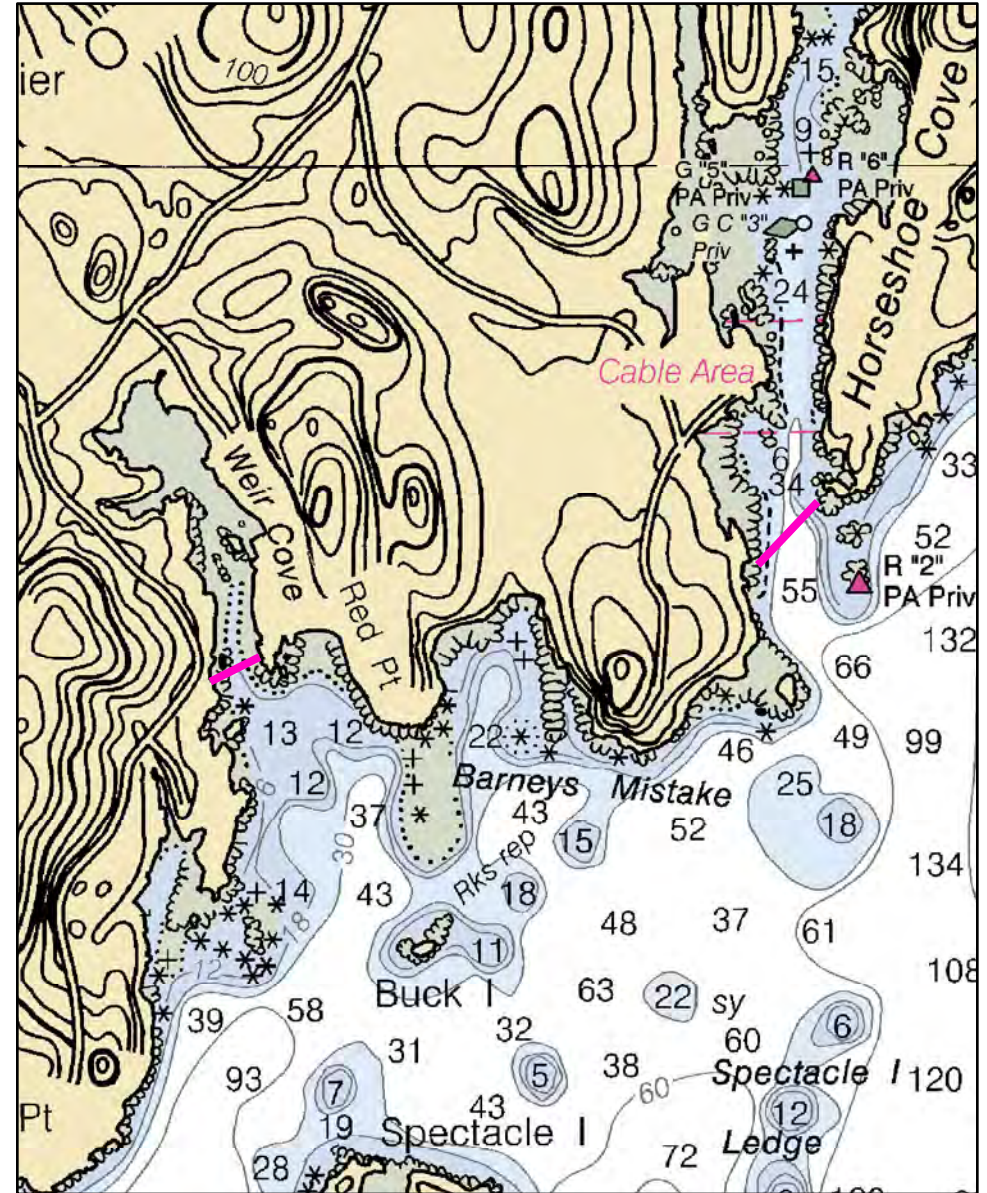
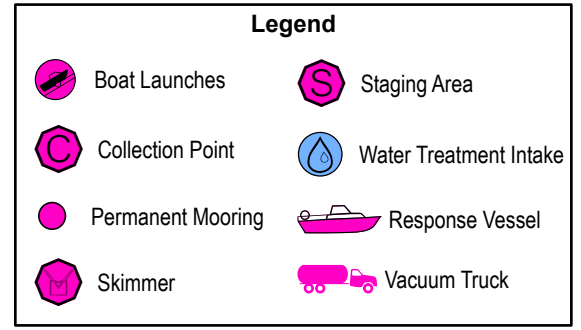
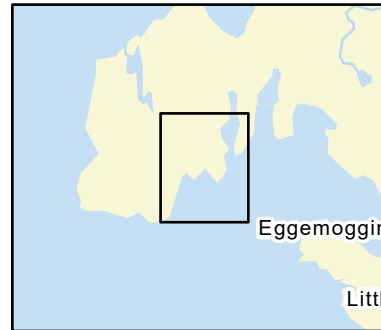
Last Field Test:

C-22-1

Weir Cove / Horseshoe Cove Brooksville, ME



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C-22-1 Weir Cove / Horseshoe Cove

Town	Brooksville	Port Region	Penobscot Bay
Latitude	44° 19.037' N	Longitude	68° 46.354' W
Approx. Tidal Range (feet)	9	NOAA Chart #	13309_1
Max Current (knots)	Flood < 1 knot	ESI Map #	23C
Source	estimated	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.

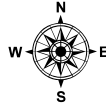
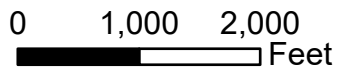
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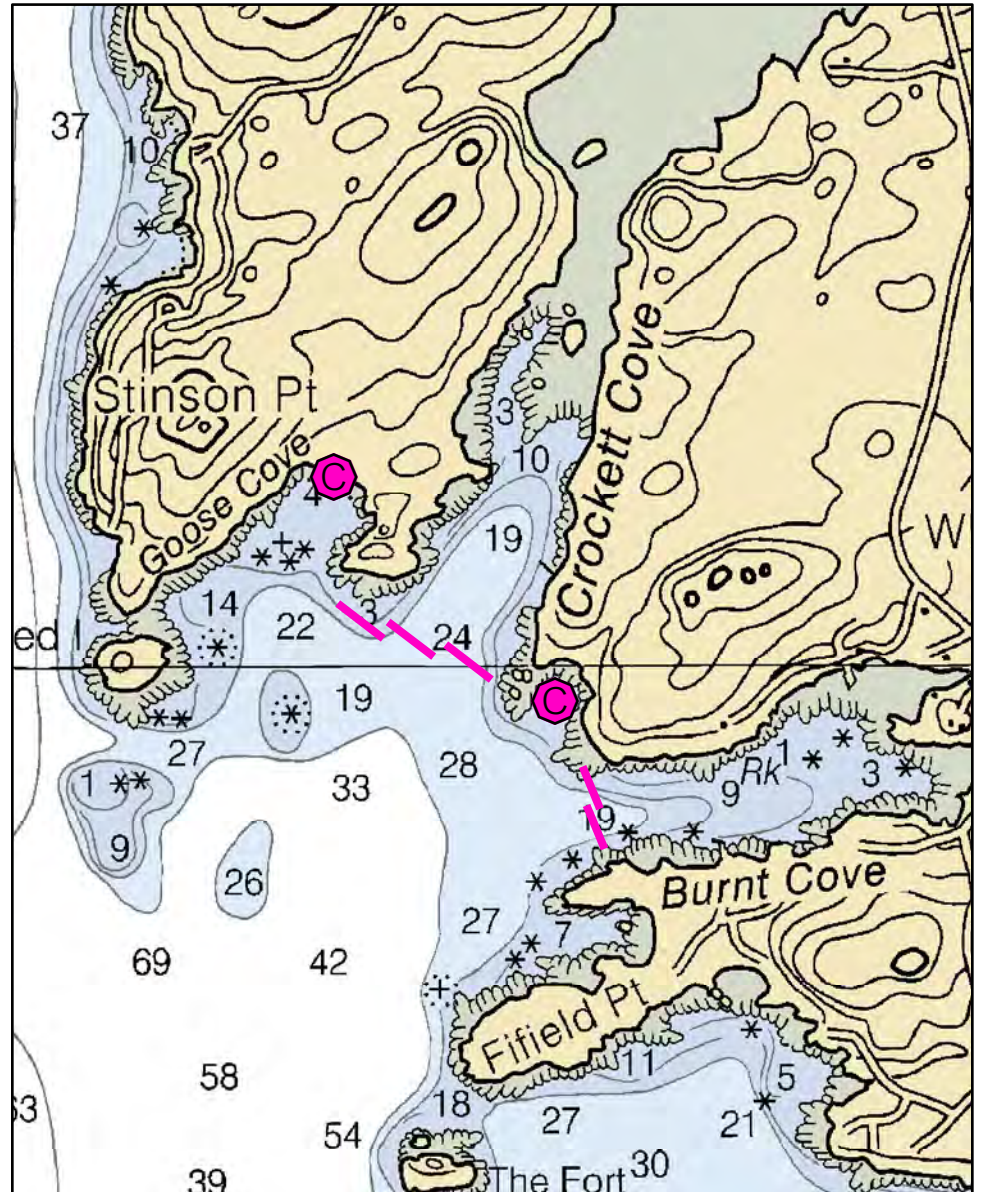
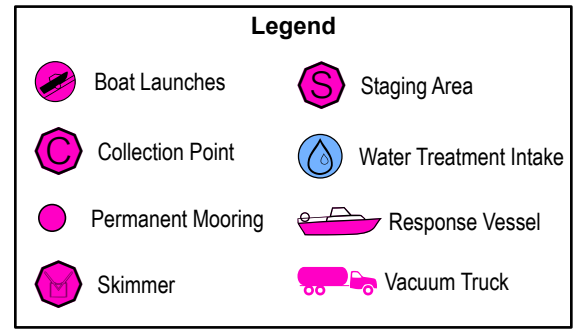
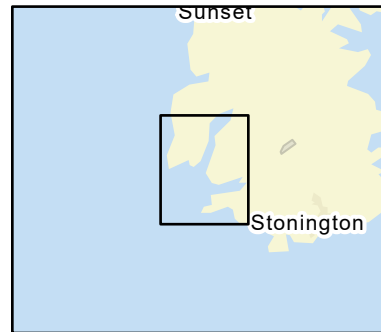
Last Field Test:

C-23-1

Crockett and Burnt Coves Deer Isle / Stonington, ME



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

C-23-1 Crockett and Burnt Coves

Town Deer Isle / Stonington

Port Region Penobscot Bay

Latitude 44° 9.9' N **Longitude** 68° 42.467' W

NOAA Chart # 13305_1

Approx. Tidal Range (feet) 10

ESI Map # 28C, 28D

Max Current (knots) **Flood** > 1 knot **Ebb**

EVI Map # 53

Source Local knowledge estimate

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.

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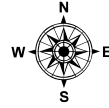
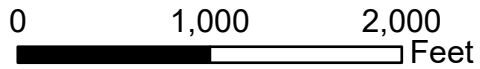
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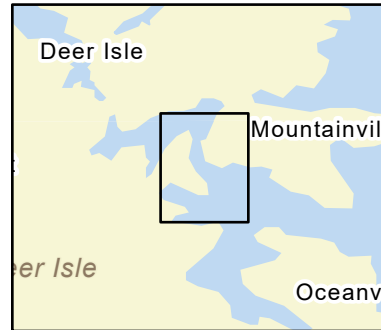
C-24-1

Eastern Deer Isle

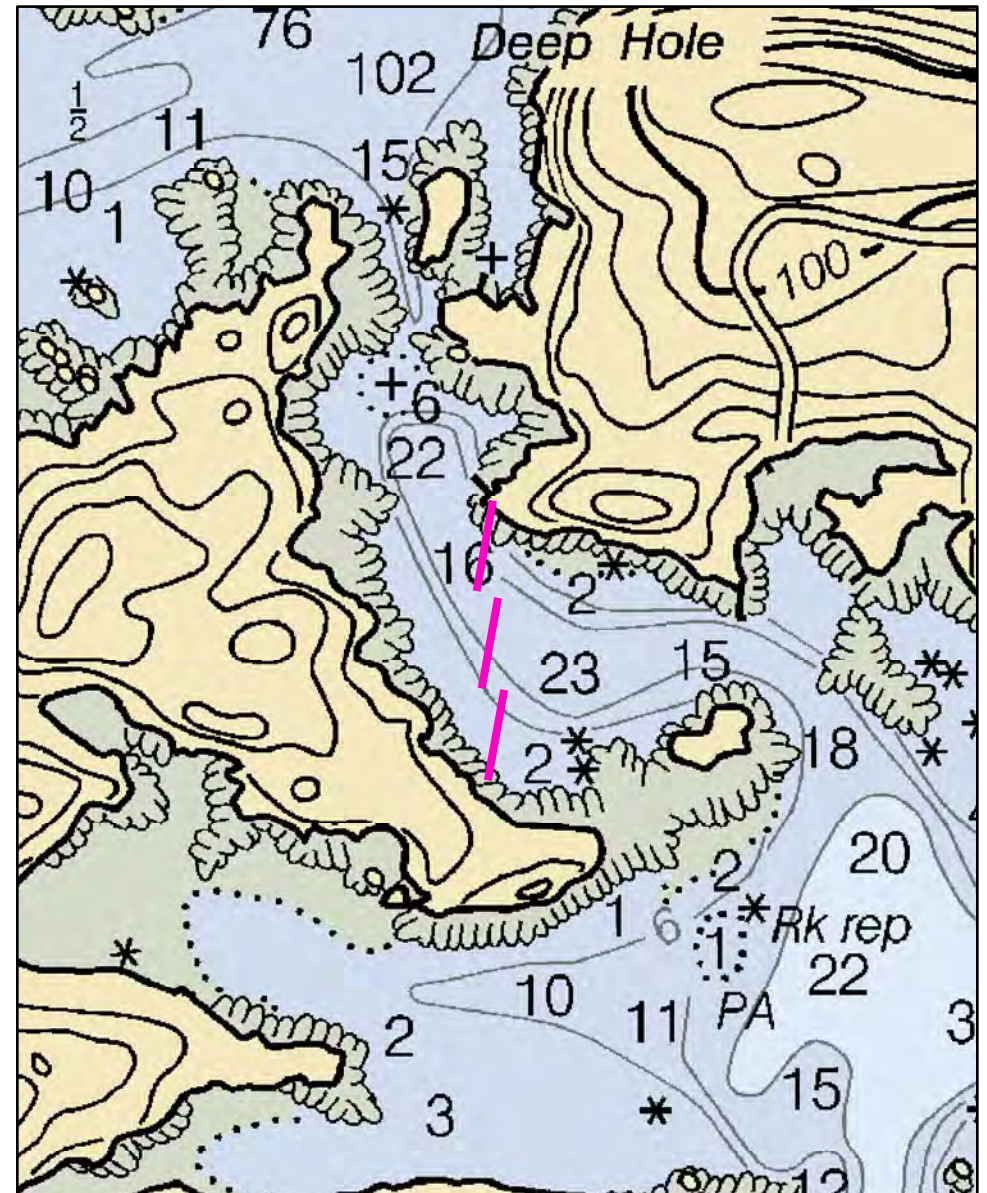
Deer Isle / Stonington, ME



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ARCHAEOLOGICAL CONFLICTS MAY BE PRESENT - SEE NARRATIVE



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

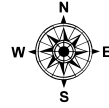
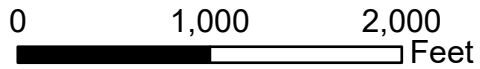
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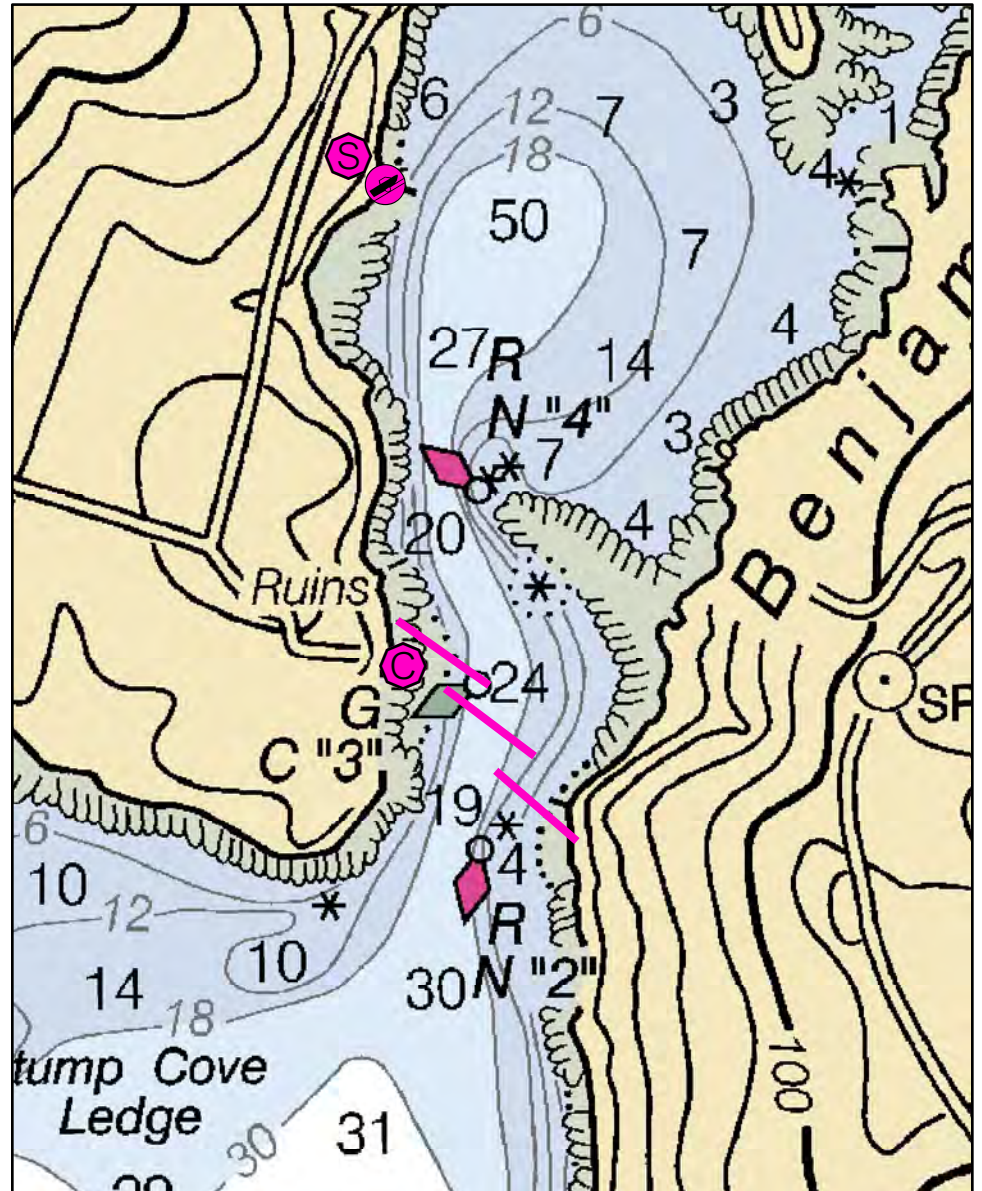
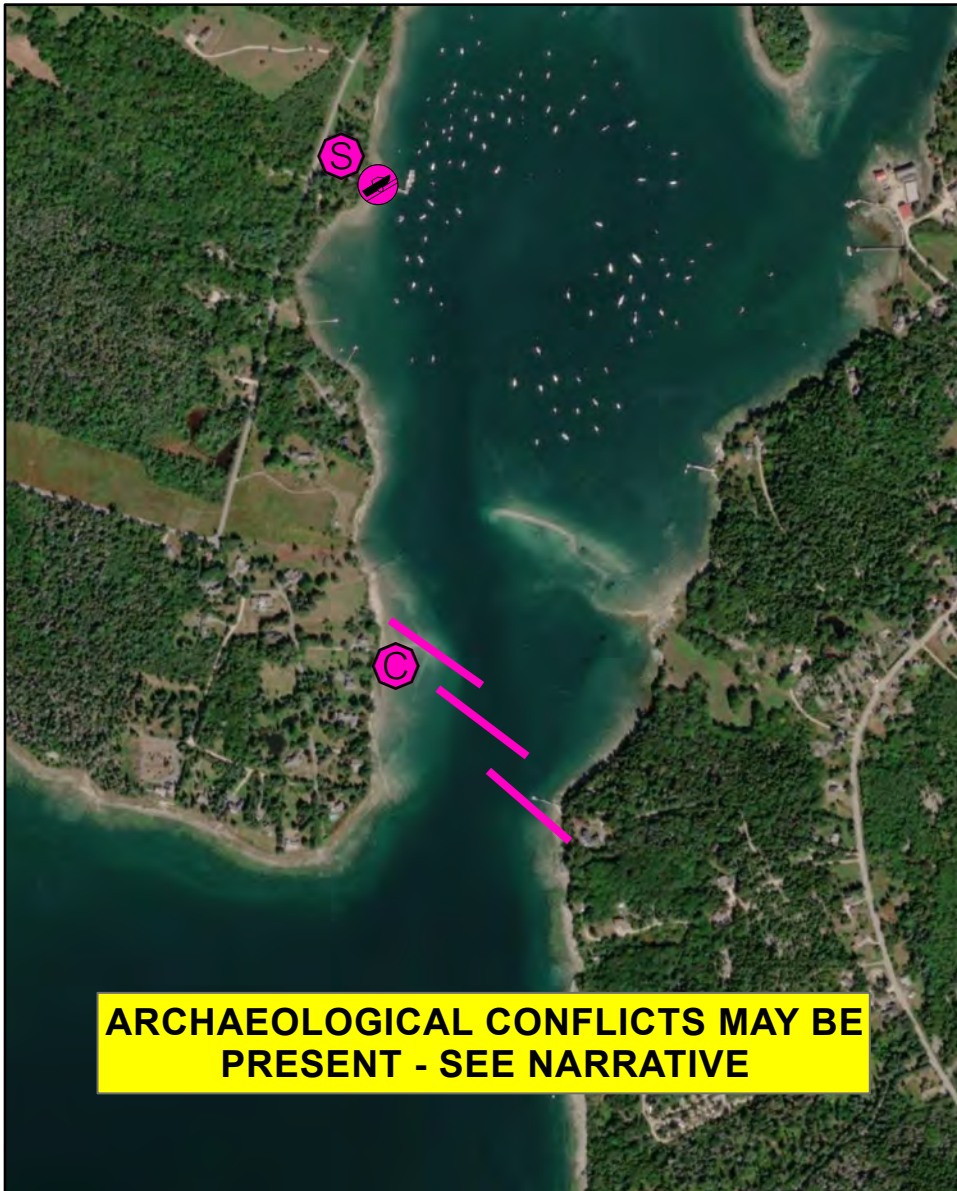
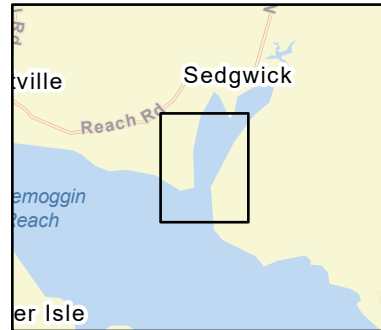
C-25-1

Benjamin River

Sedgwick / Brooklin, ME



Date printed: 9/11/2022 6:50 AM



C-25-1 Benjamin River

Town	Sedgwick / Brooklin	Port Region	Penobscot Bay
Latitude	44° 17.288' N	Longitude	68° 37.654' W
Approx. Tidal Range (feet)	10	NOAA Chart #	13316_1
Max Current (knots)		ESI Map #	28A, 27B, 22C
Source		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.

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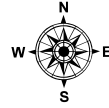
Last Field Visit

Last Field Test:

C-26-1

Mackerel Cove Swans Island, ME

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Feet

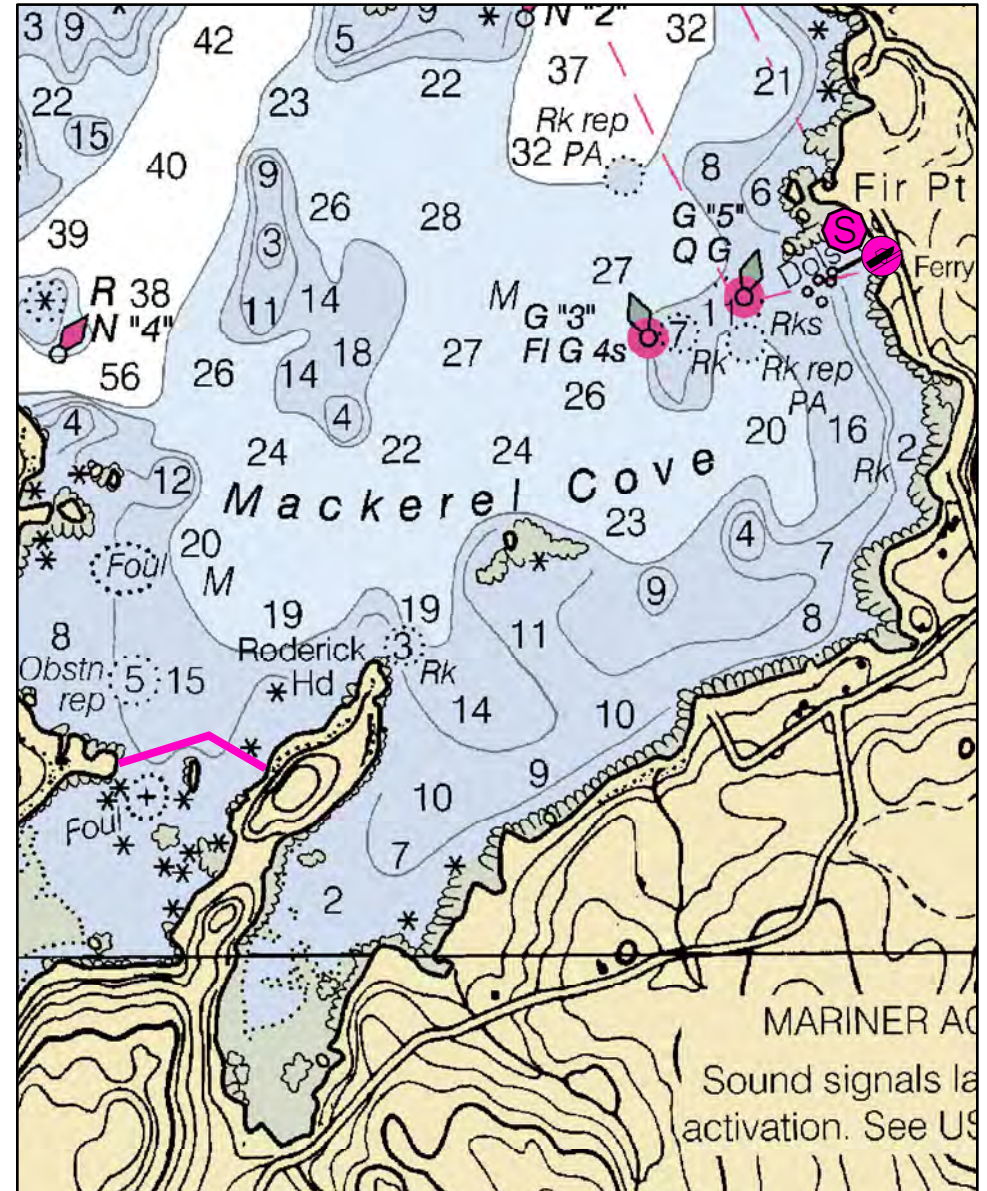
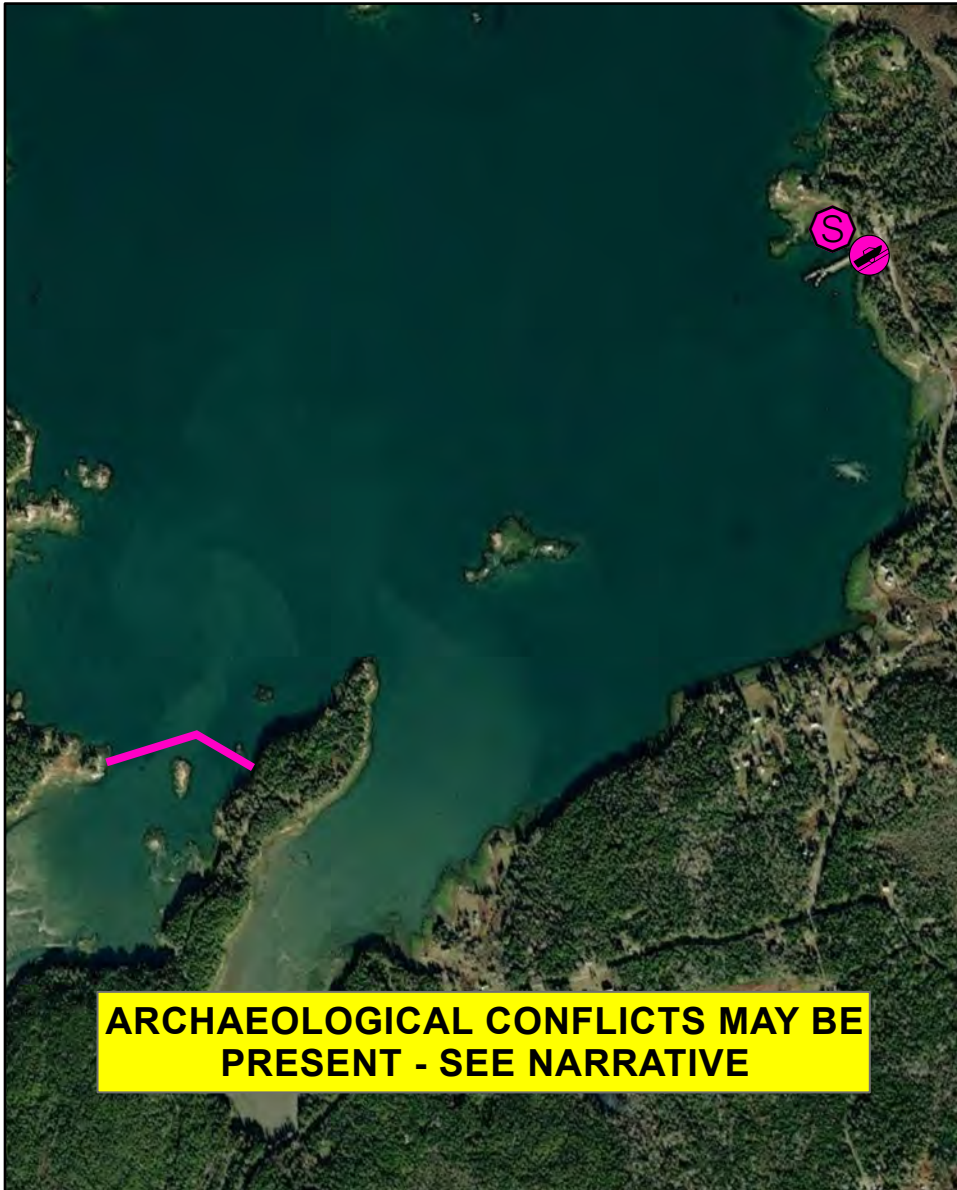


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Legend

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



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.

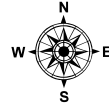
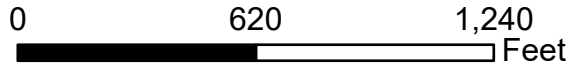
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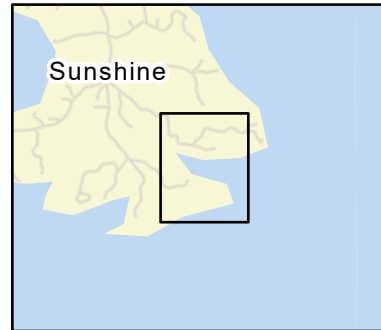
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C-27-1

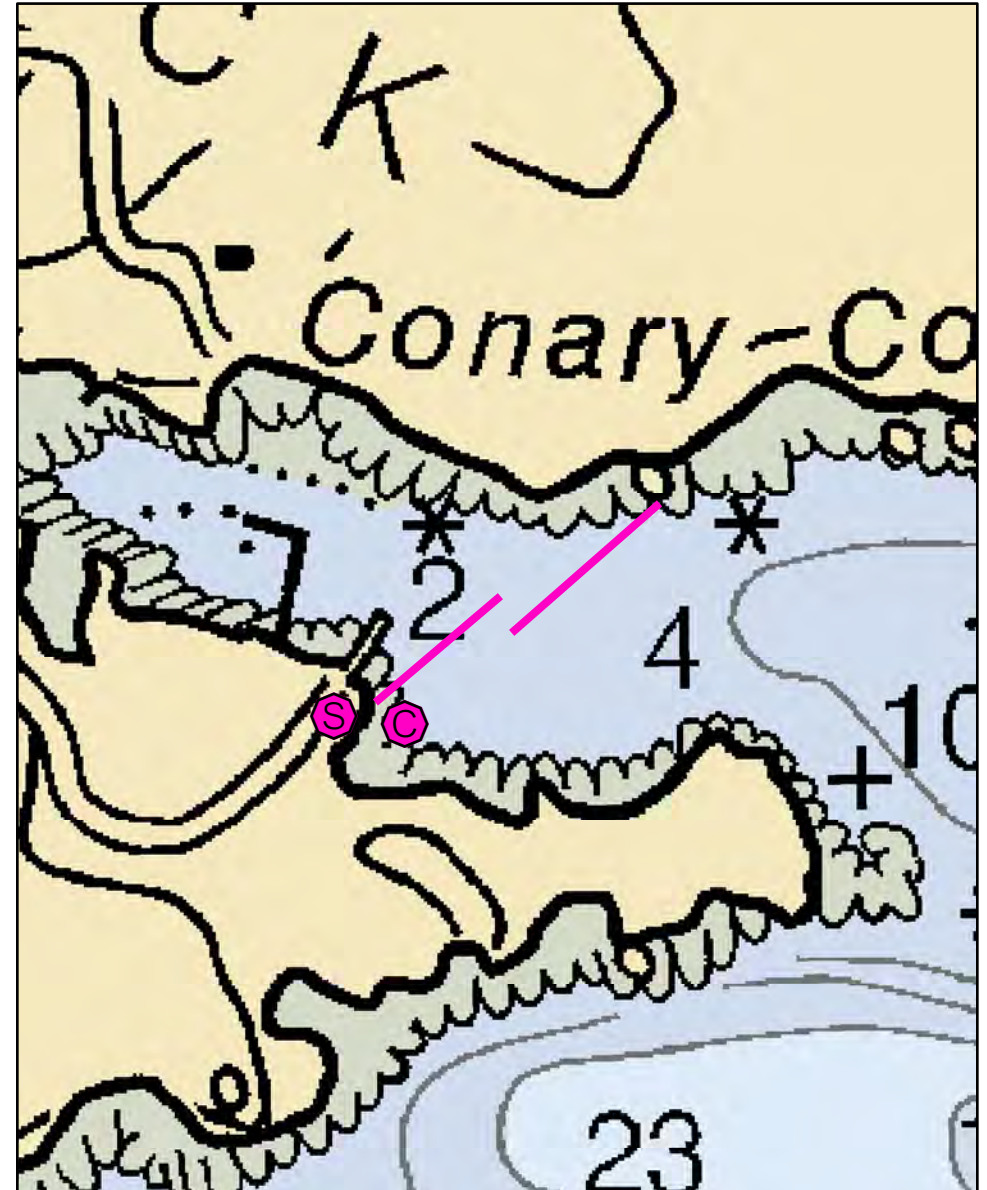
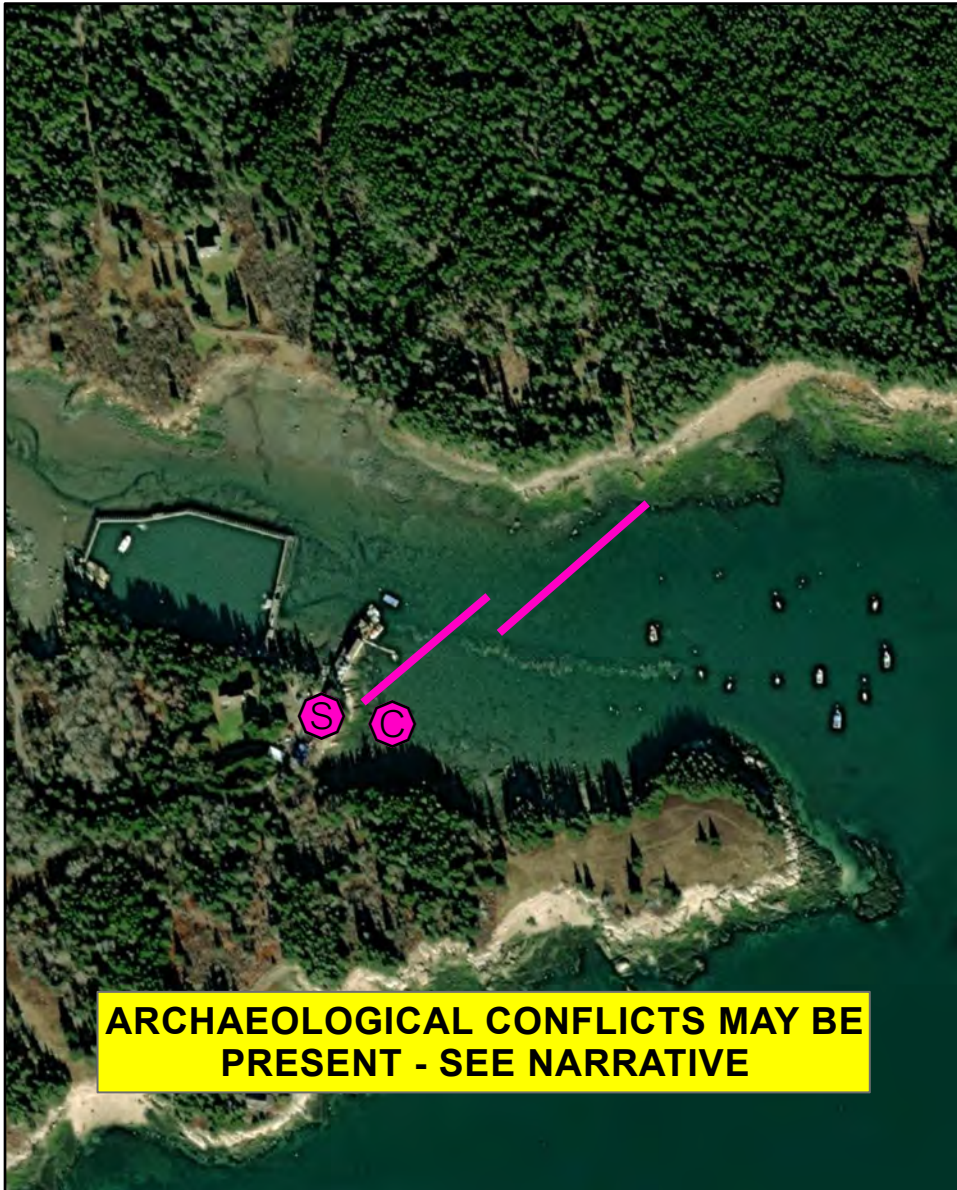
Conary Cove / Stinson Neck Deer Isle, ME



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



C-27-1 Canary 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 Canary Cove

Staging Areas Possibly from Canary Cove Lobster Co., 83 Canary 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 Canary Cove Lobster Co.

Special Instructions Contact Canary Cove Lobster Co. for information / permission. 207-348-6185

Work Assignment Place two 500 foot lengths of boom at an angle across Canary 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

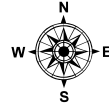
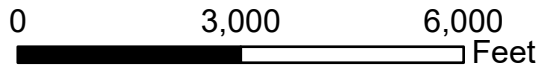
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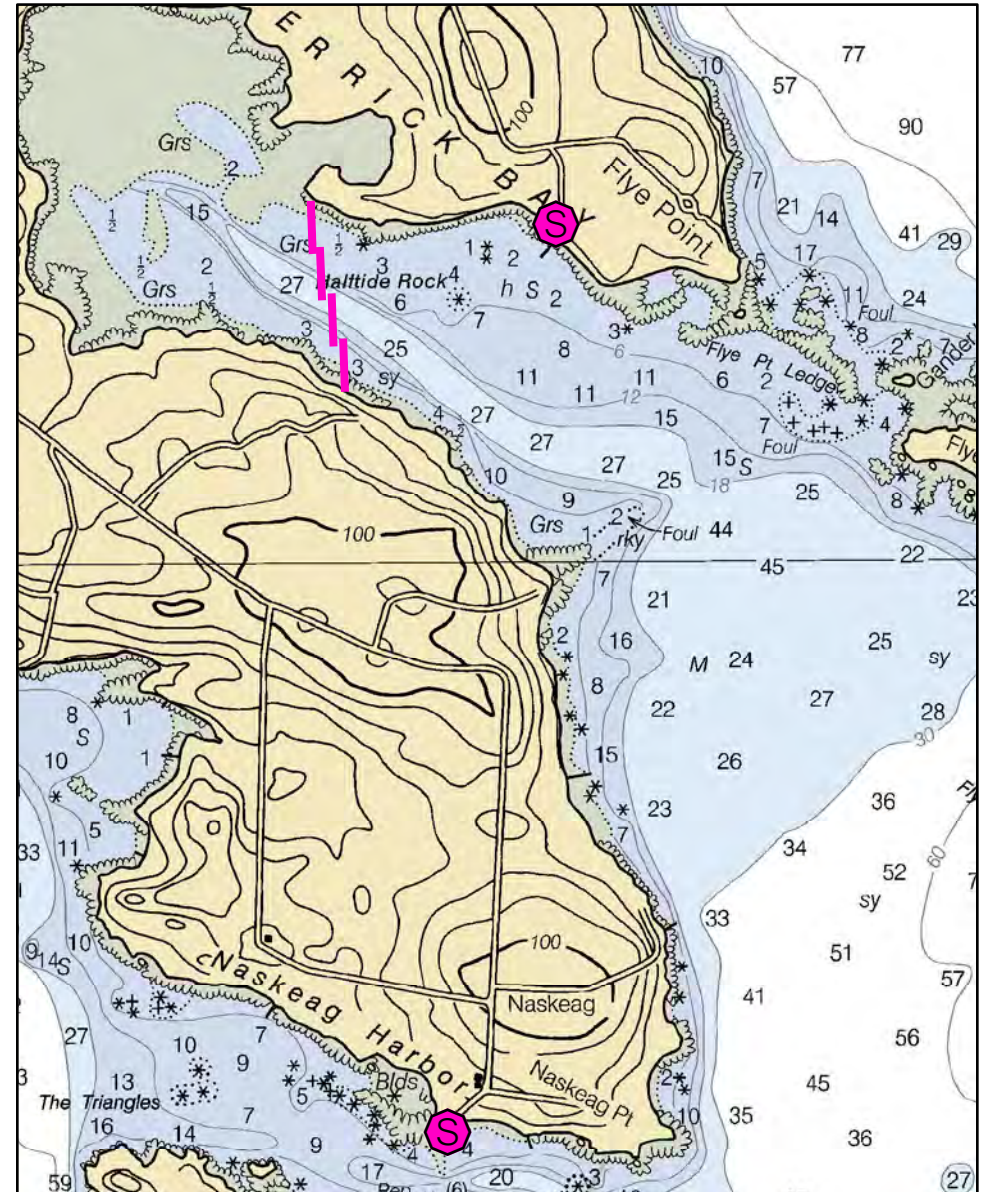
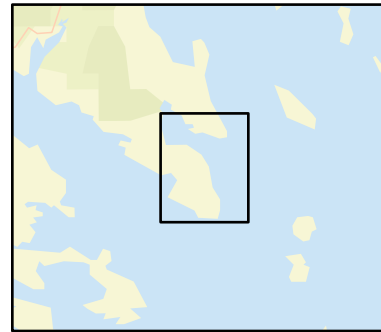
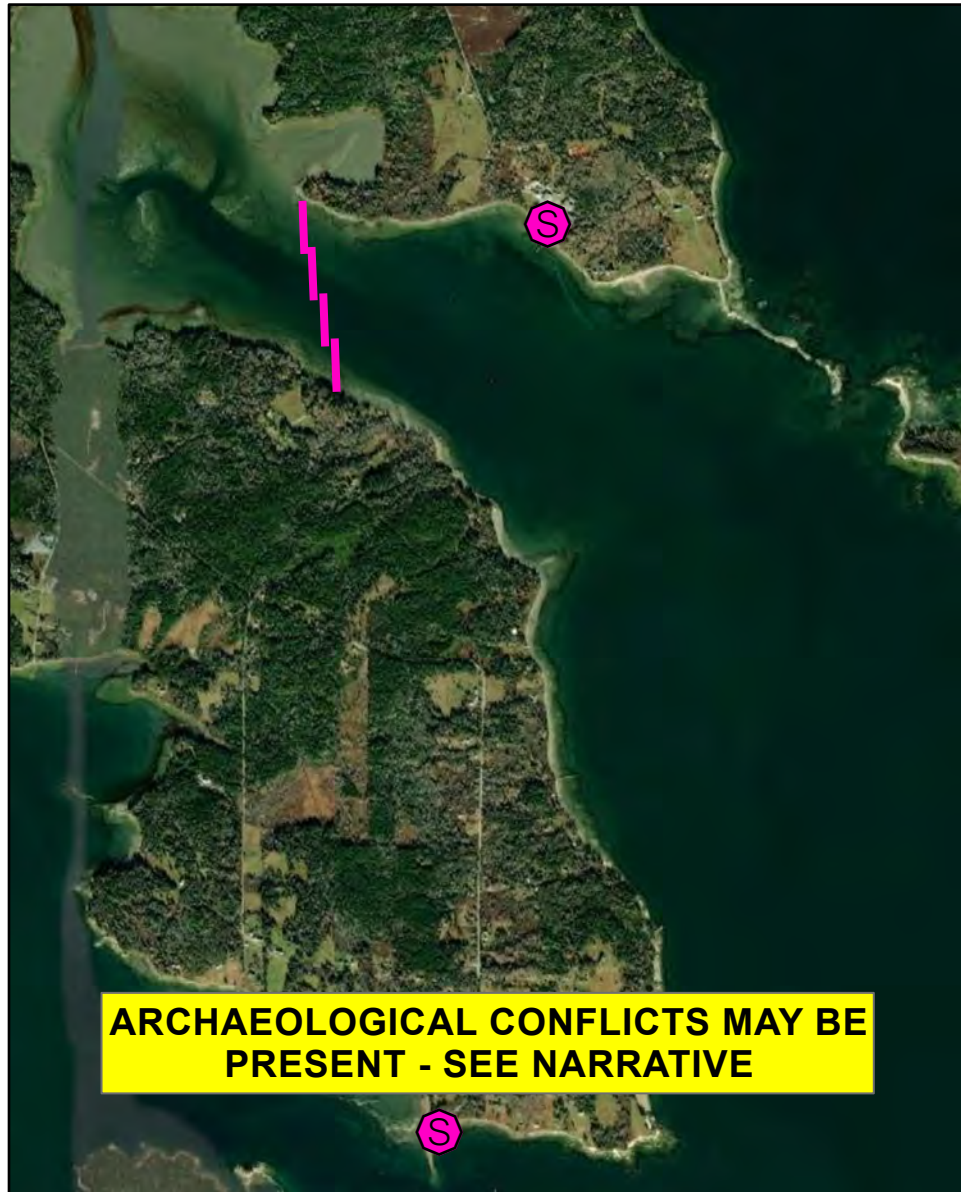
C-28-1

Herrick Bay

Brooklin, ME



Date printed: 9/10/2022 7:53 PM



C-28-1 Herrick Bay

Town	Brooklin	Port Region	Penobscot Bay
Latitude	44° 15.612' N	Longitude	68° 32.421' W
Approx. Tidal Range (feet)	10	NOAA Chart #	13316_1
Max Current (knots)	Flood	ESI Map #	27B, 27A
Source	Ebb	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.

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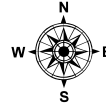
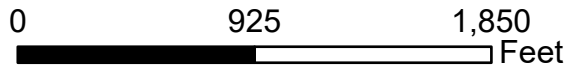
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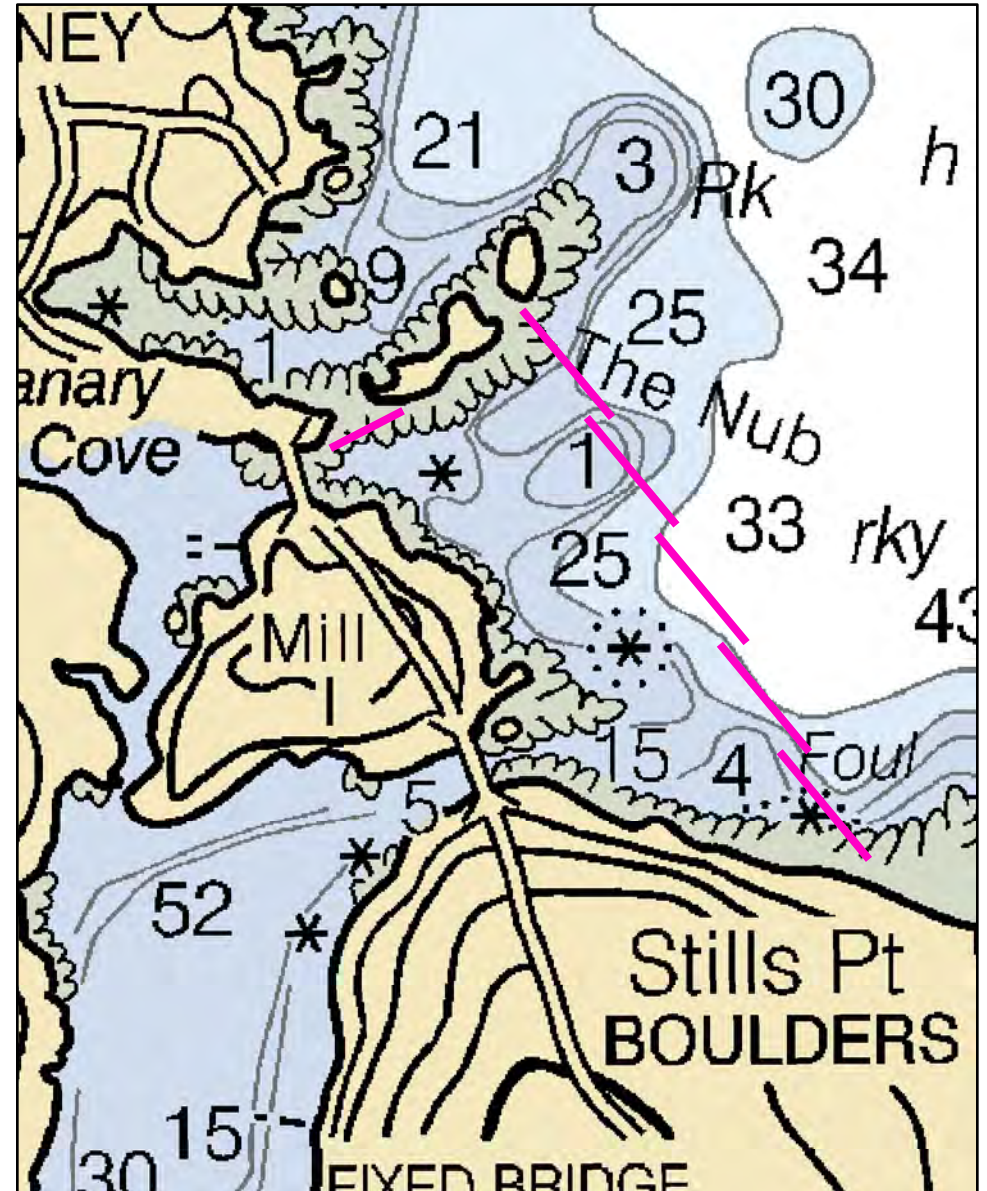
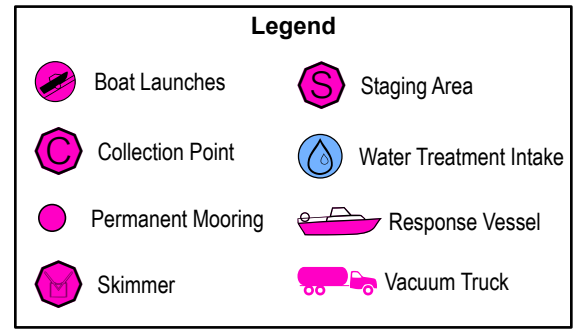
C-29-1

Salt Pond / Canary Cove

Blue Hill, ME



Date printed: 9/10/2022 7:53 PM



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.

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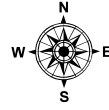
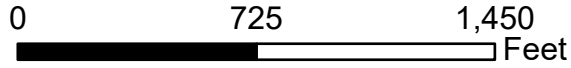
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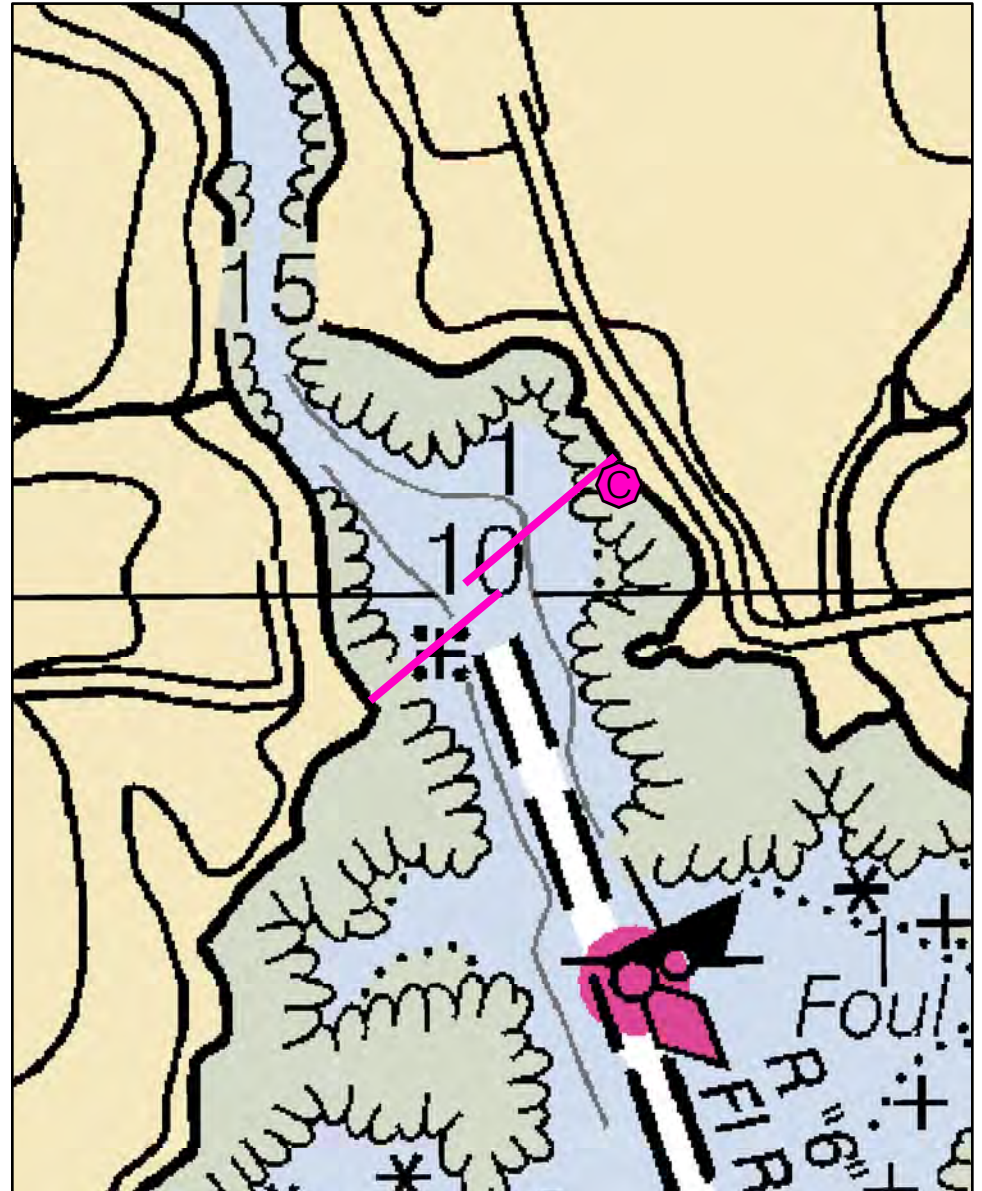
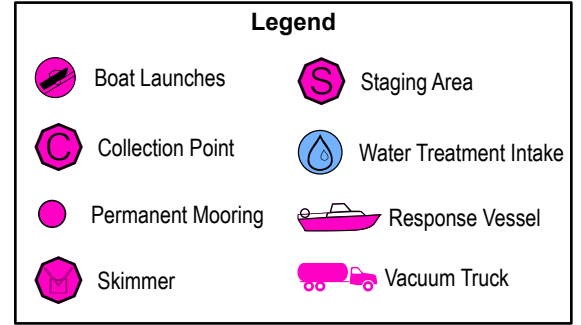
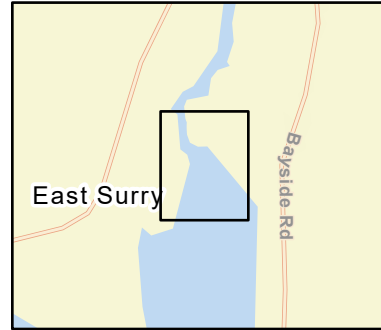
C-30-1

Union River

Surry / Ellsworth, ME



Date printed: 9/10/2022 7:53 PM



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.

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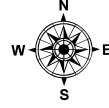
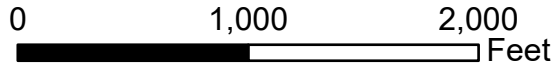
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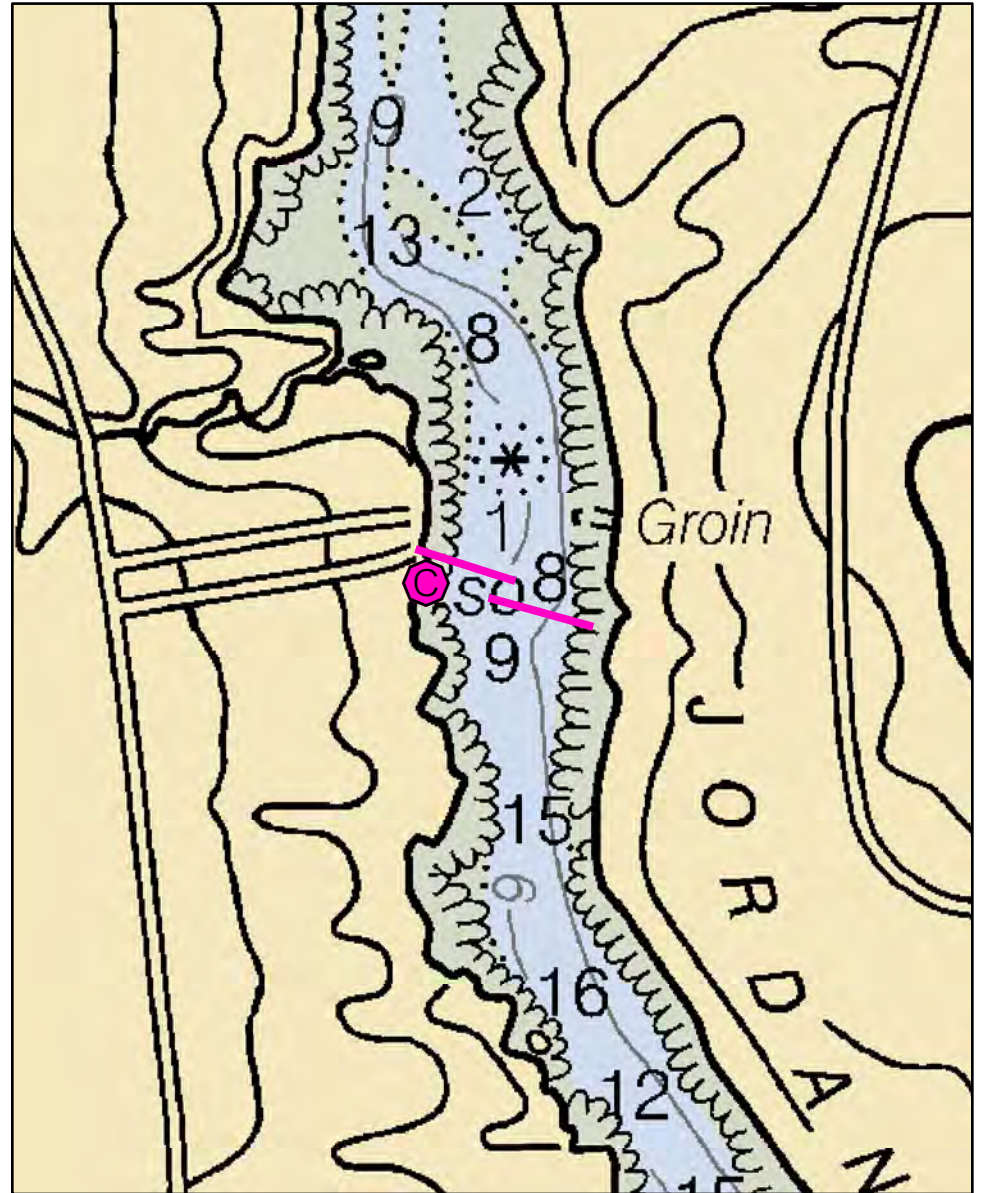
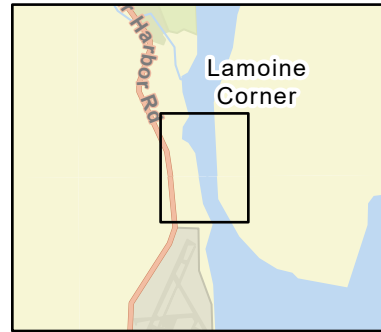
C-31-1

Jordan River

Trenton / Lamoine, ME



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C-31-1 Jordan River

Town Trenton / Lamoine

Port Region Penobscot Bay

Latitude 44° 28.007 N **Longitude** 68° 21.347 W

NOAA Chart # 13318_1

Approx. Tidal Range (feet) 10

ESI Map # 21A

Max Current (knots) **Flood** < 1 knot **Ebb**

EVI Map # 68

Source Local knowledge estimate

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.

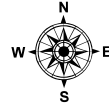
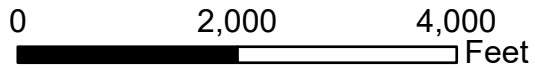
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C-32-1

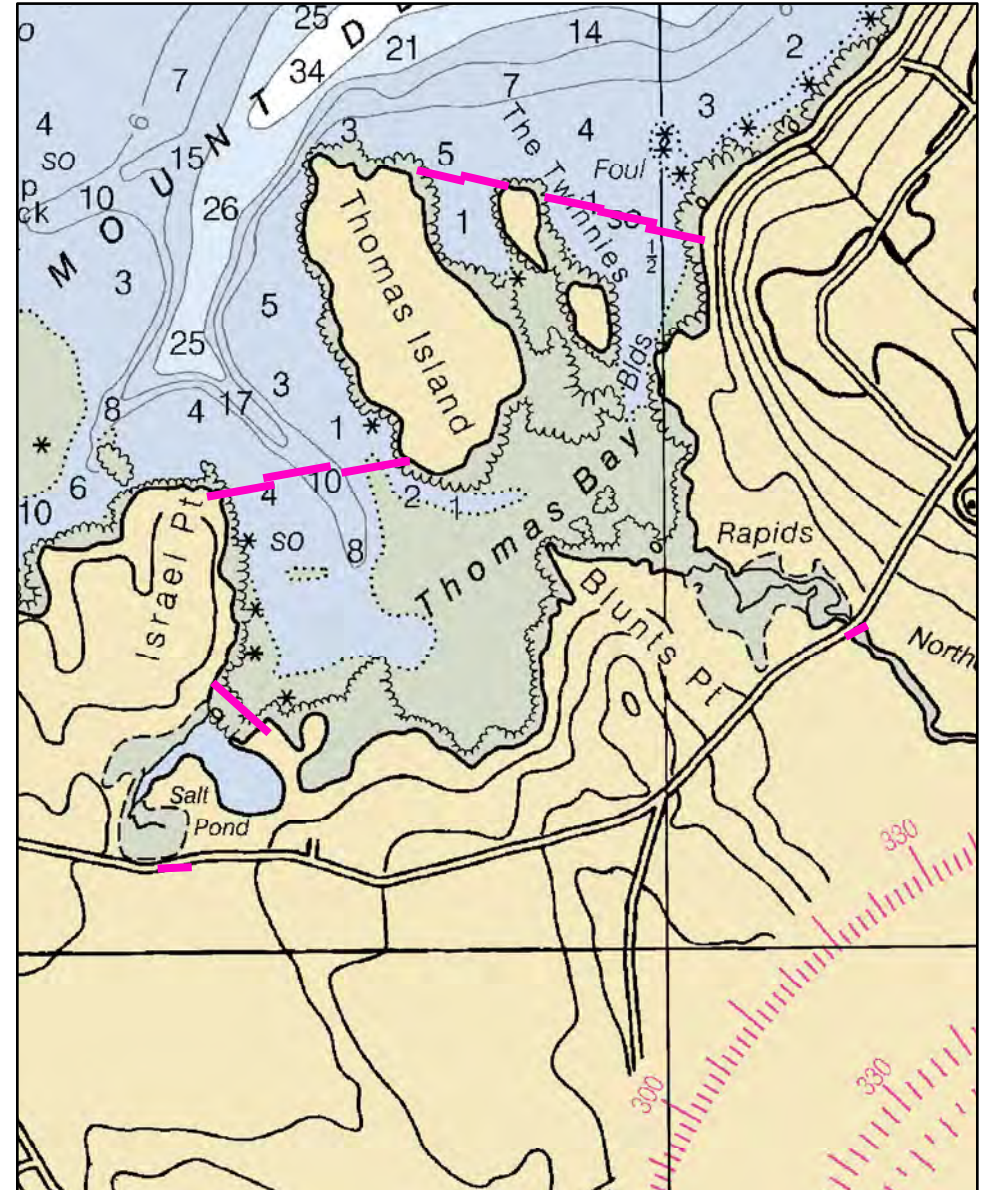
Mount Desert Narrows / Thomas Bay Bar Harbor, ME



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



C-32-1 Mount Desert Narrows / Thomas Bay

Town Bar Harbor

Port Region Penobscot Bay

Latitude 44° 25.275' N **Longitude** 68° 20.77' W

NOAA Chart # 13318_1

Approx. Tidal Range (feet) 11

ESI Map # 21A

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

EVI Map # 68

Source **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):

Secondary (#2):

10 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.

4 - shoreside connections

8- shoreside connections

4 laborers

4 - workboats with minimum 90 hp

4 - boat operators / 8 laborers

Unless otherwise indicated, the boom length given is the distance measured on the chart.

Actual length required may vary with conditions.

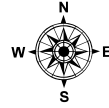
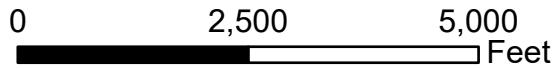
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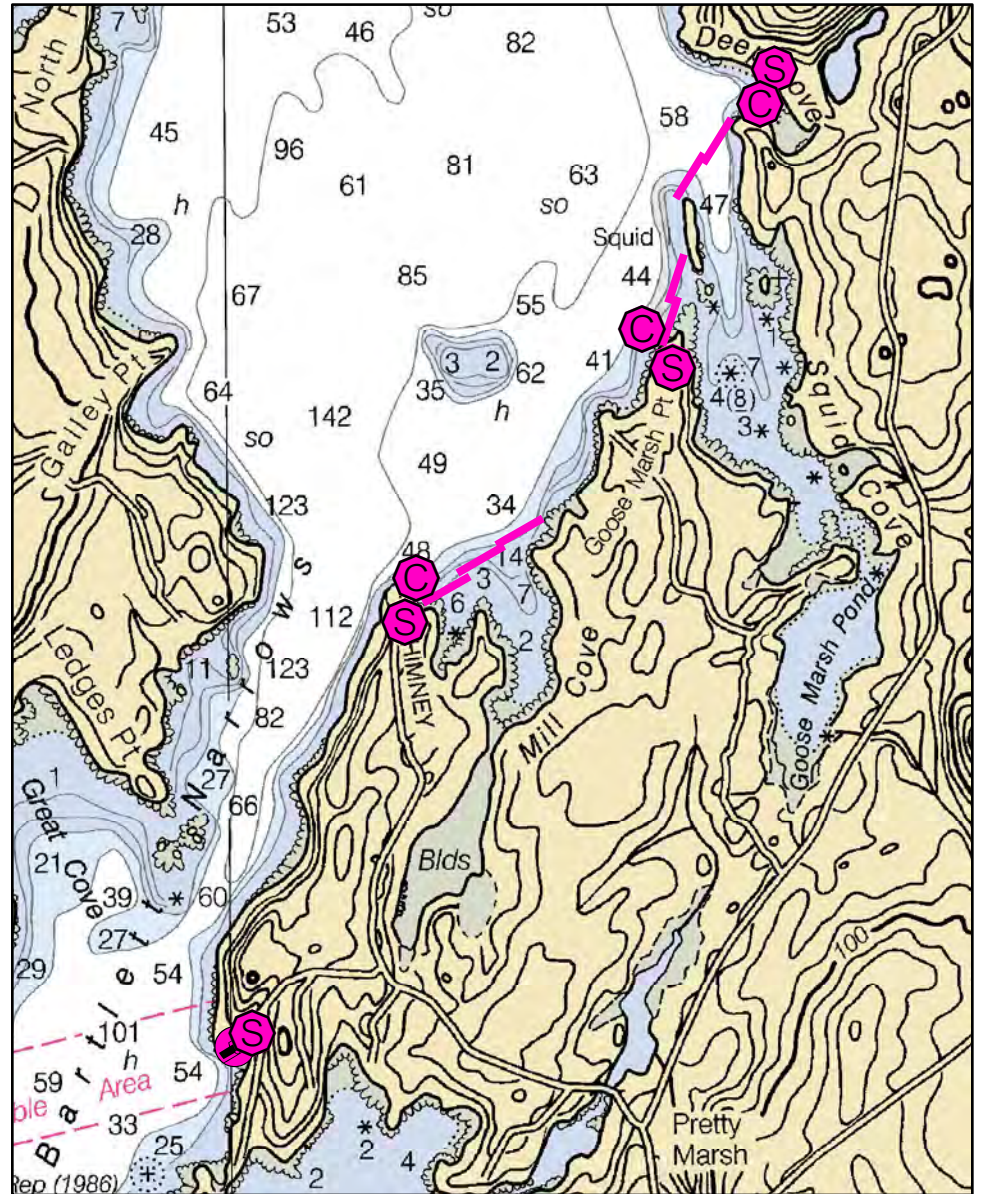
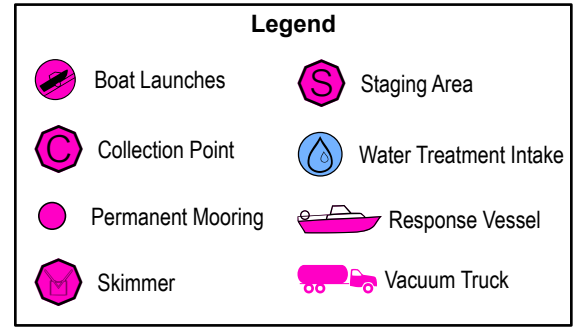
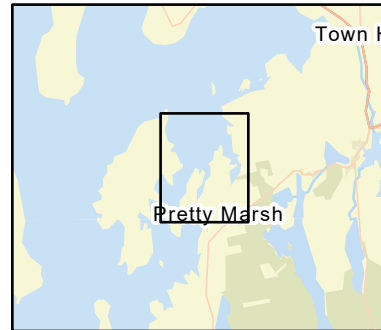
Last Field Test:

C-33-1

Bartlett Narrows: Squid & Mill Coves Mount Desert, ME



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C-33-1 Bartlett Narrows: Squid & Mill Coves

Town Mount Desert **Port Region** Penobscot Bay
Latitude 44° 21.552' N **Longitude** 68° 24.226' W **NOAA Chart #** 13316_1
Approx. Tidal Range (feet) 11 **ESI Map #** 21D
Max Current (knots) **Flood** < 1 knot **Ebb** **EVI Map #** 61, 60
Source Local knowledge estimate **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, Bartlett 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:	Mill 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	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.

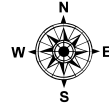
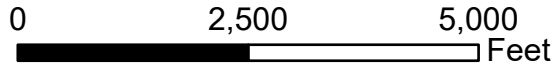
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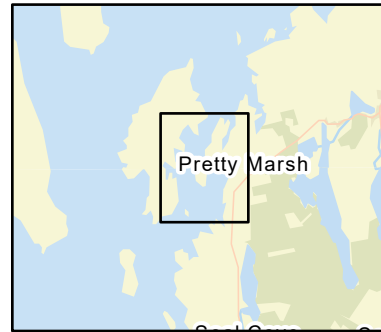
Last Field Test:

C-33-2

Bartlett Narrows: Pretty Marsh Harbor & Birch Cove Mount Desert, ME

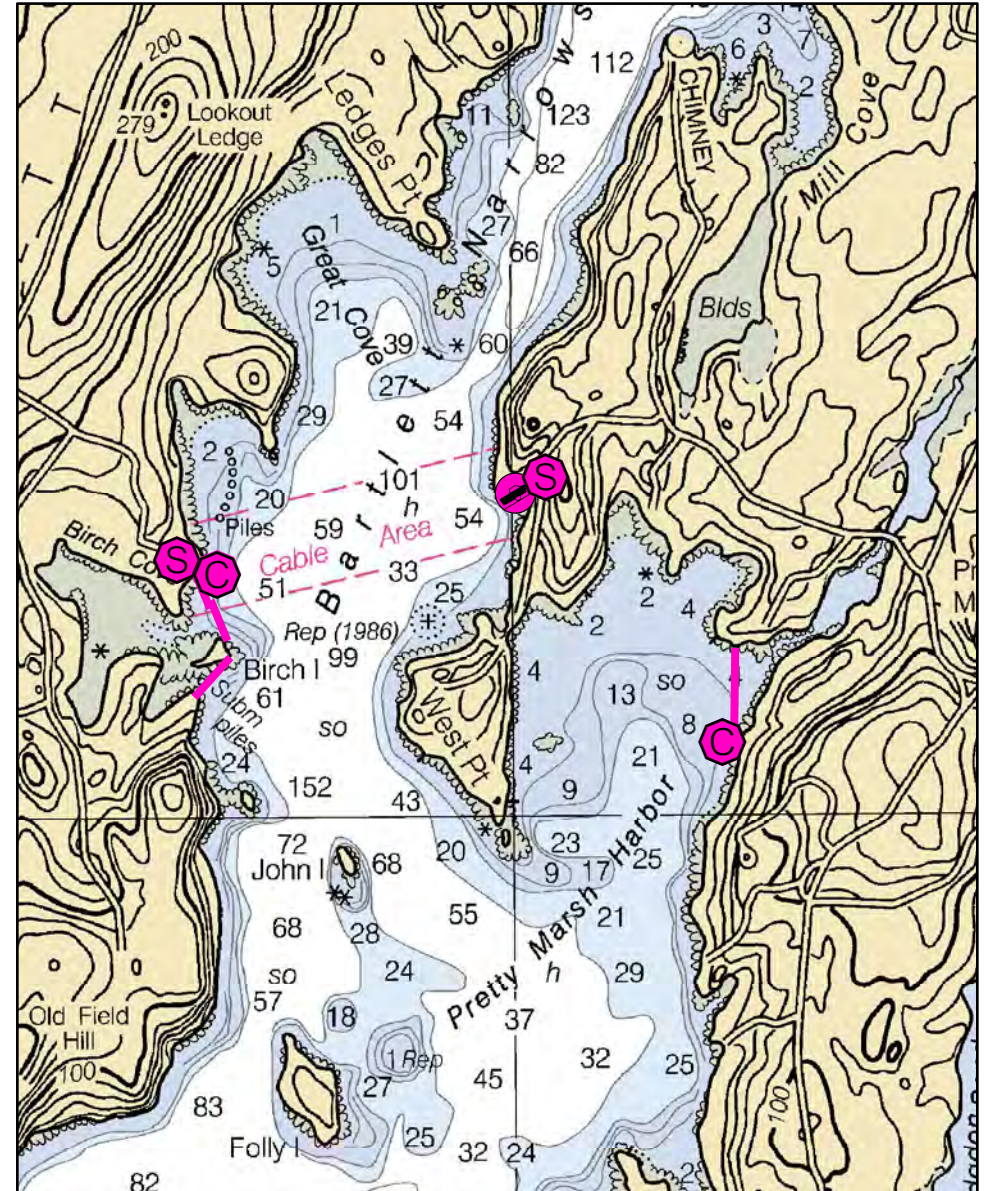
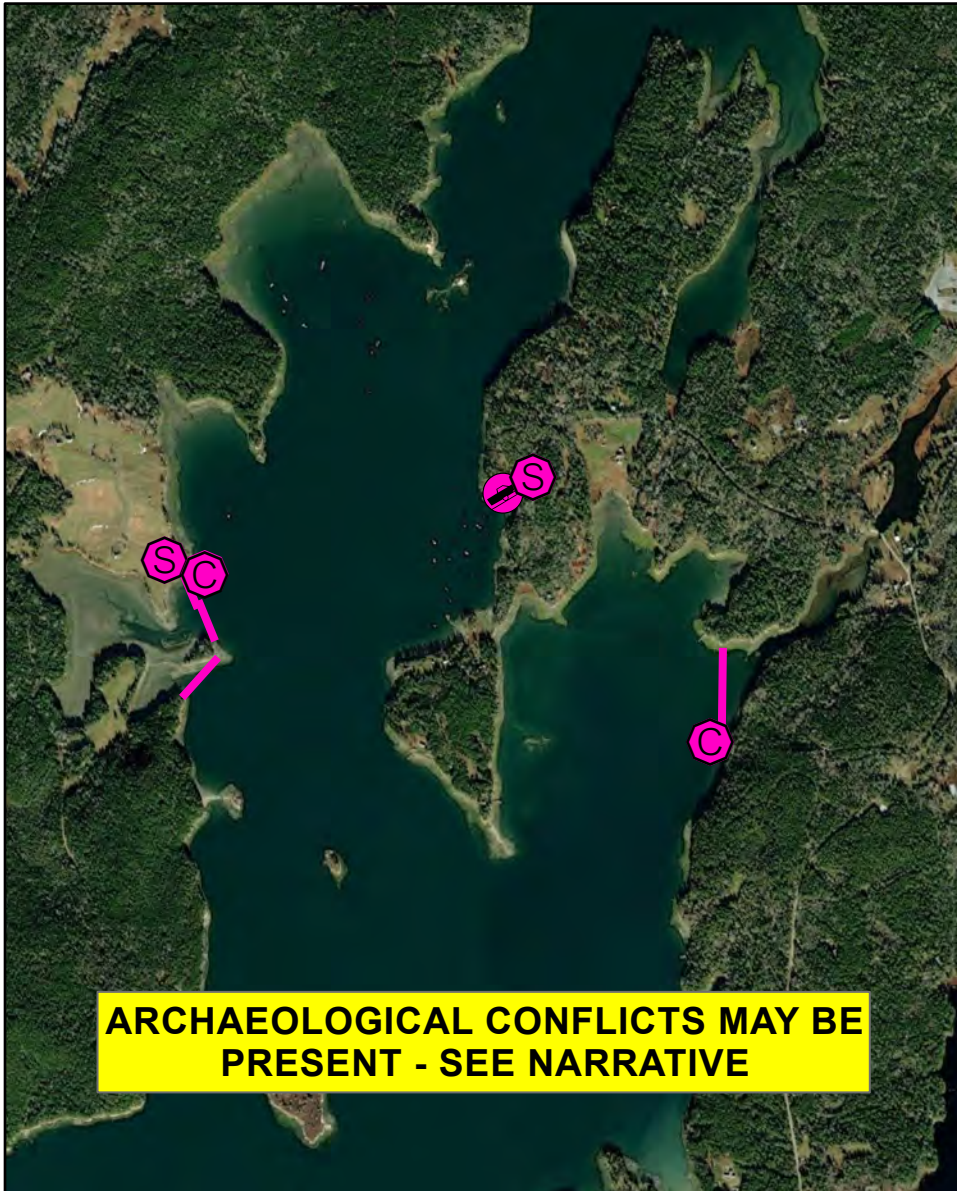


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Legend

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



C-33-2 Bartlett Narrows: Pretty Marsh Harbor & Birch Cove

Town	Mount Desert	Port Region	Penobscot Bay
Latitude	44° 20.211' N	Longitude	68° 24.548' W
Approx. Tidal Range (feet)	11	NOAA Chart #	13316_1
Max Current (knots)	Flood < 1 knot	ESI Map #	21D
	Ebb	EVI Map #	60, 61
Source	Local knowledge estimate	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.

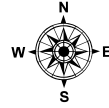
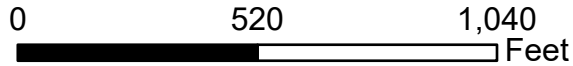
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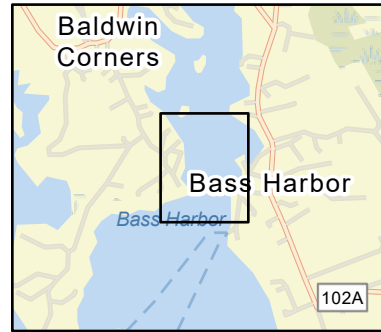
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C-34-1

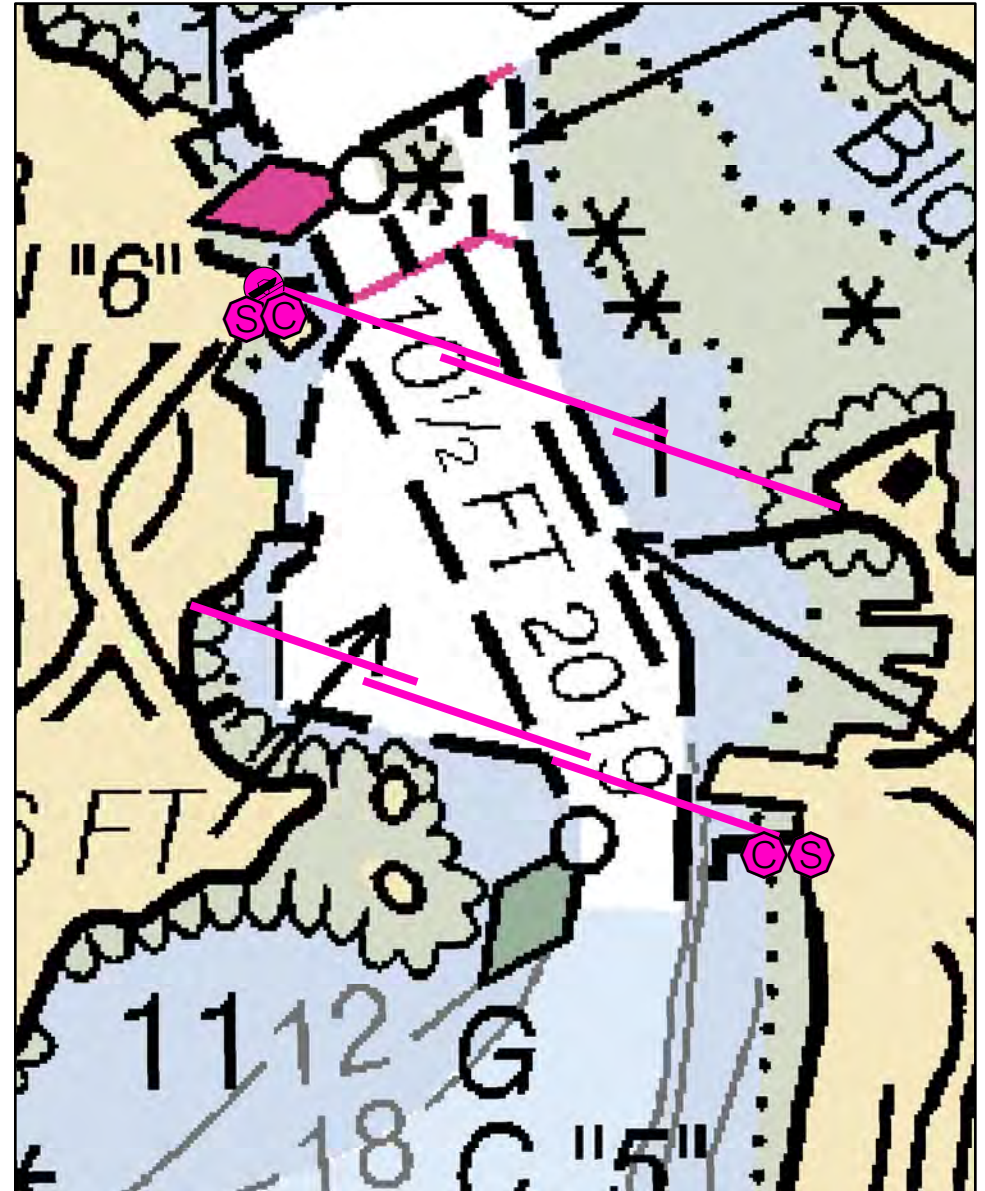
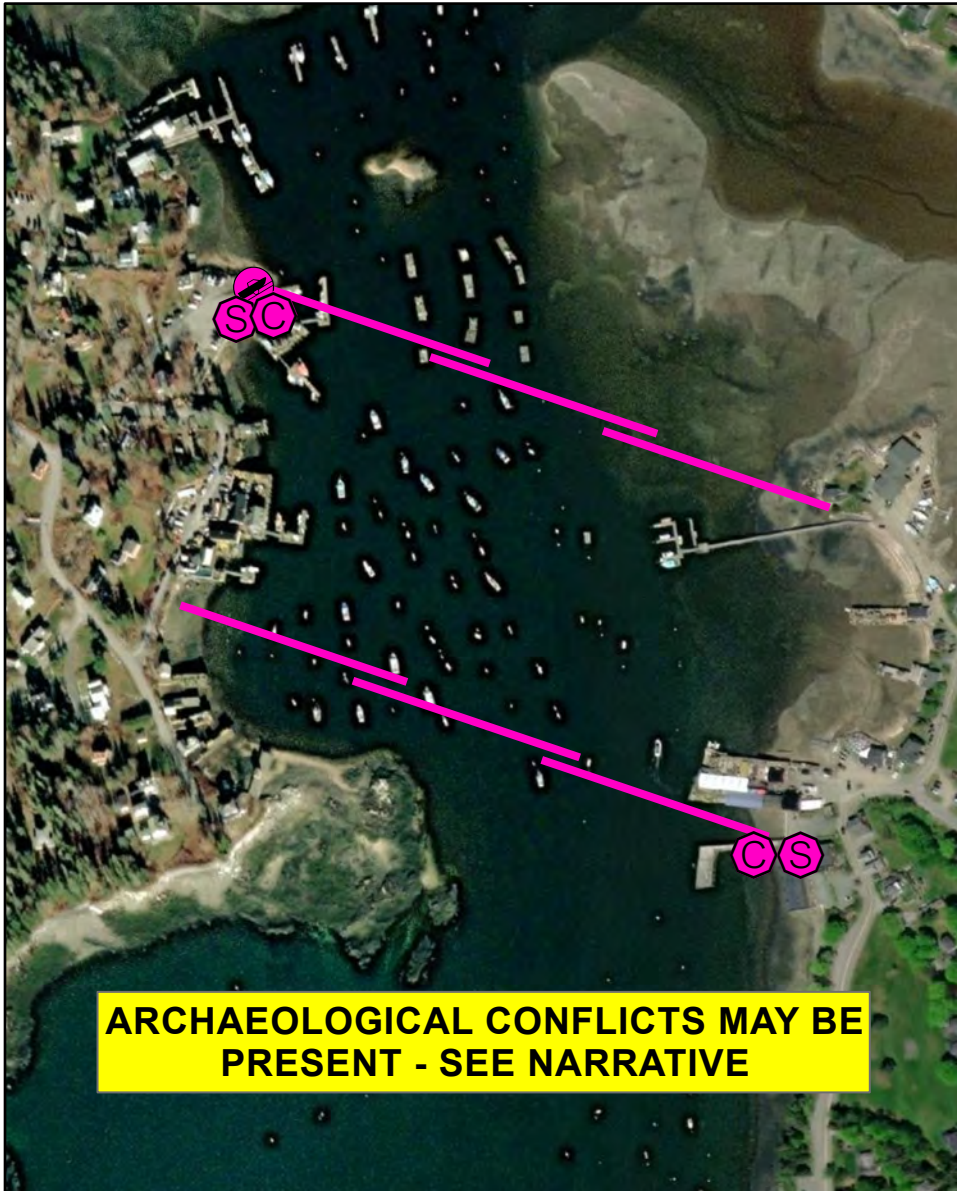
Bass Harbor
Tremont, ME



Date printed: 9/10/2022 7:53 PM



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



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

Town	Cranberry Isles	Port Region	Penobscot Bay
Latitude	44° 15.198' N	Longitude	68° 14.591' W
Approx. Tidal Range (feet)	11	NOAA Chart #	13318_1
Max Current (knots)	Flood 1 knot	ESI Map #	26A
	Ebb	EVI Map #	62, 57
Source	Local knowledge estimate	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
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Unless otherwise indicated, the boom length given is the distance measured on the chart.
Actual length required may vary with conditions.

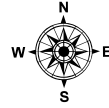
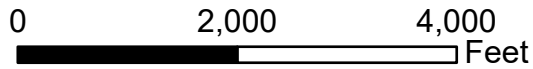
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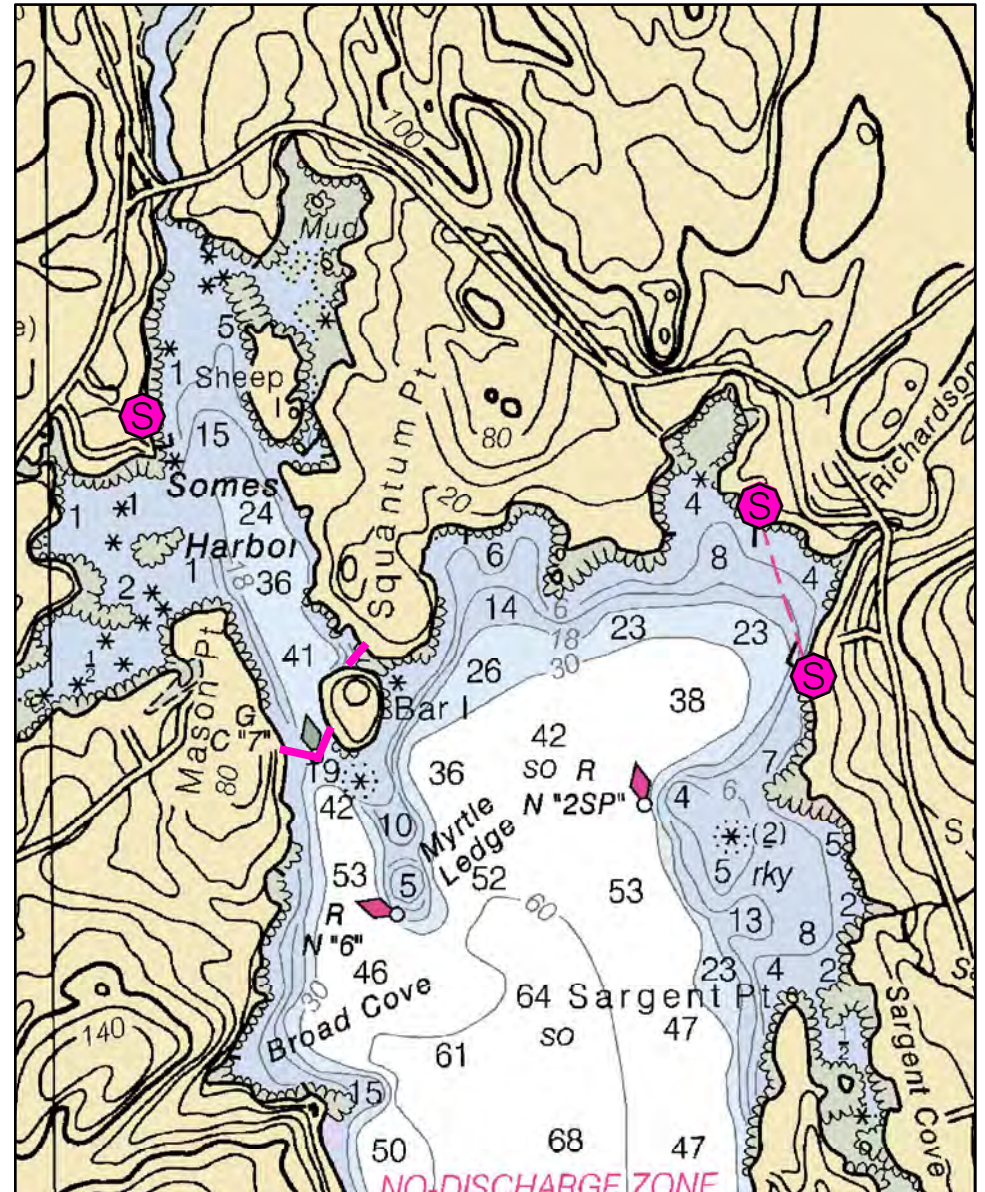
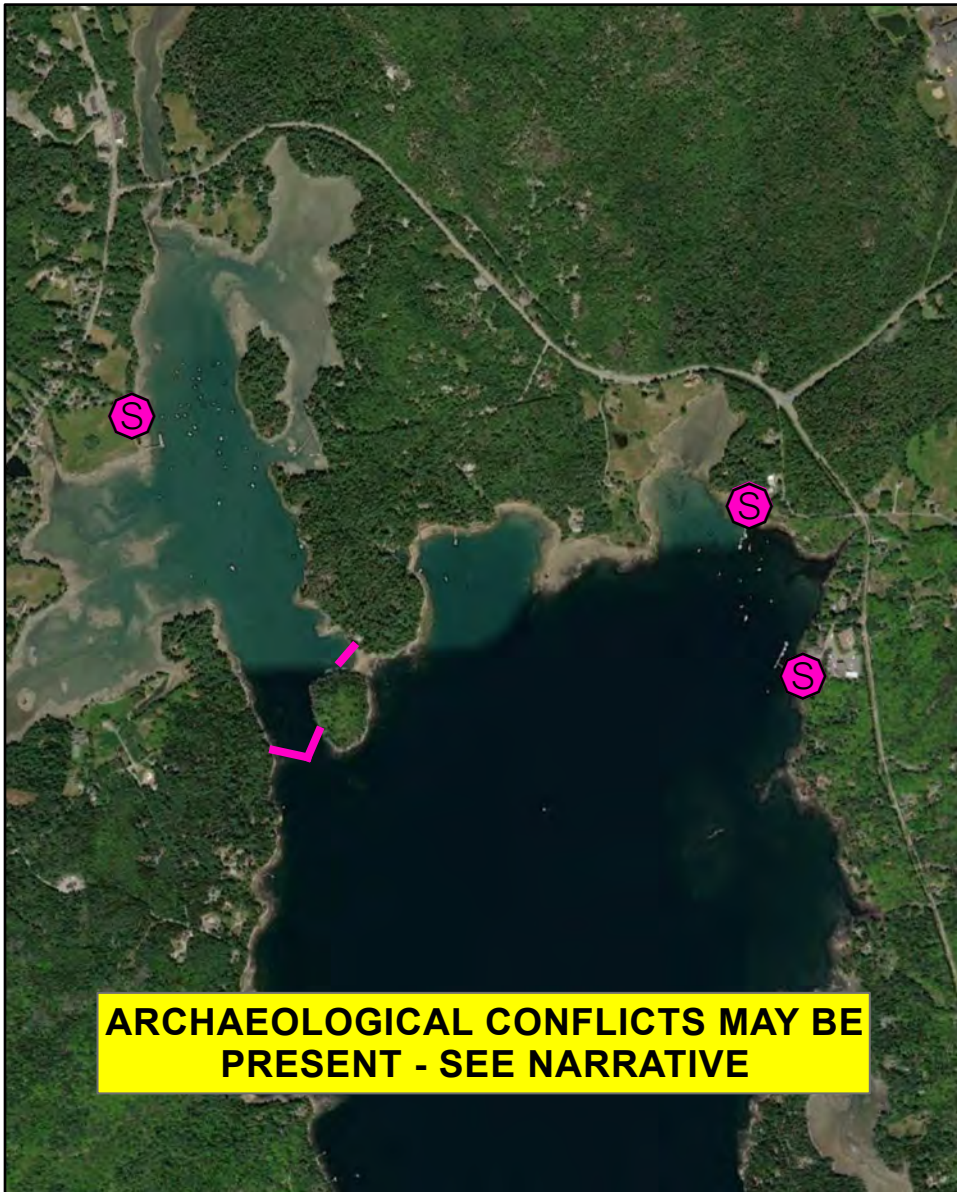
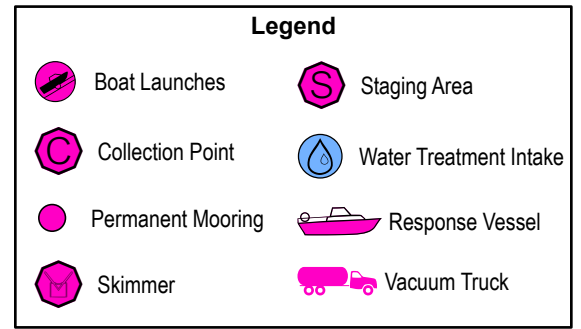
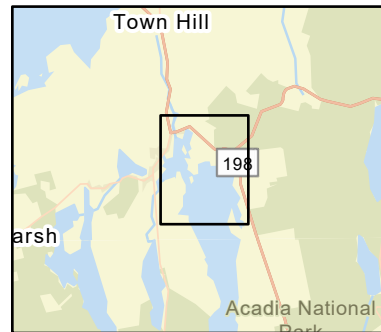
Last Field Test:

C-36-1

Somes Harbor Mount Desert, ME



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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.

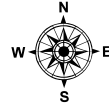
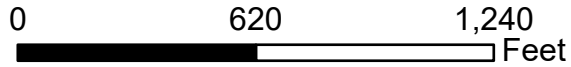
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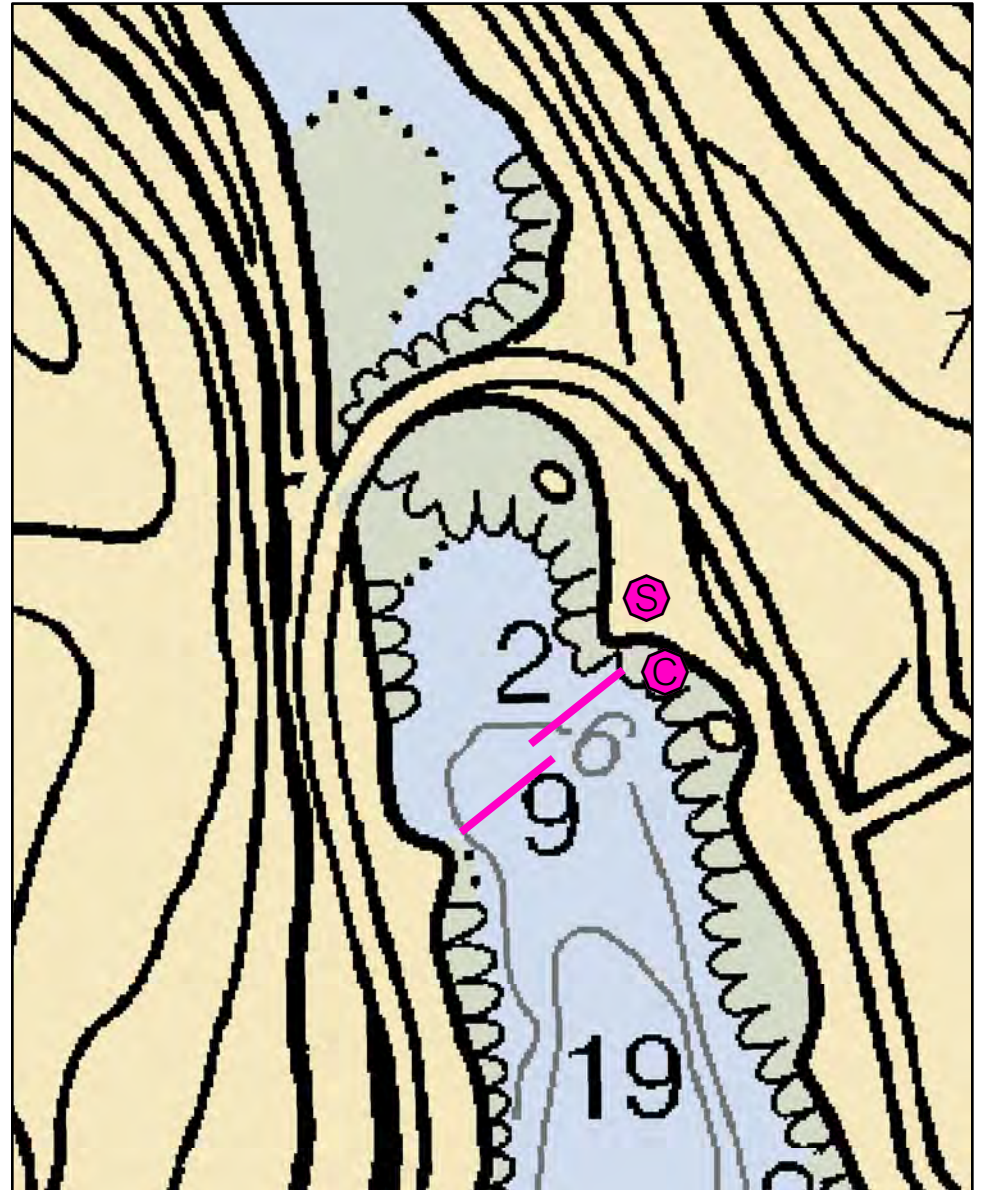
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C-37-1

Lower Frenchman Cove / Otter Cove Mount Desert / Bar Harbor, ME



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C-37-1 Lower Frenchman Bay / Otter Cove

Town	Mount Desert / Bar Harbor	Port Region	Penobscot Bay
Latitude	44° 18.966' N	Longitude	68° 11.886' W
Approx. Tidal Range (feet)	11	NOAA Chart #	13318_1
Max Current (knots)	Flood	ESI Map #	20D
Source	Ebb	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.

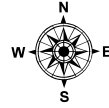
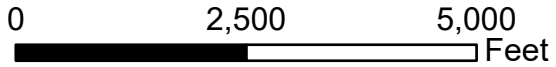
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Last Field Visit: 7/2/2007

Last Field Test:

C-38-1

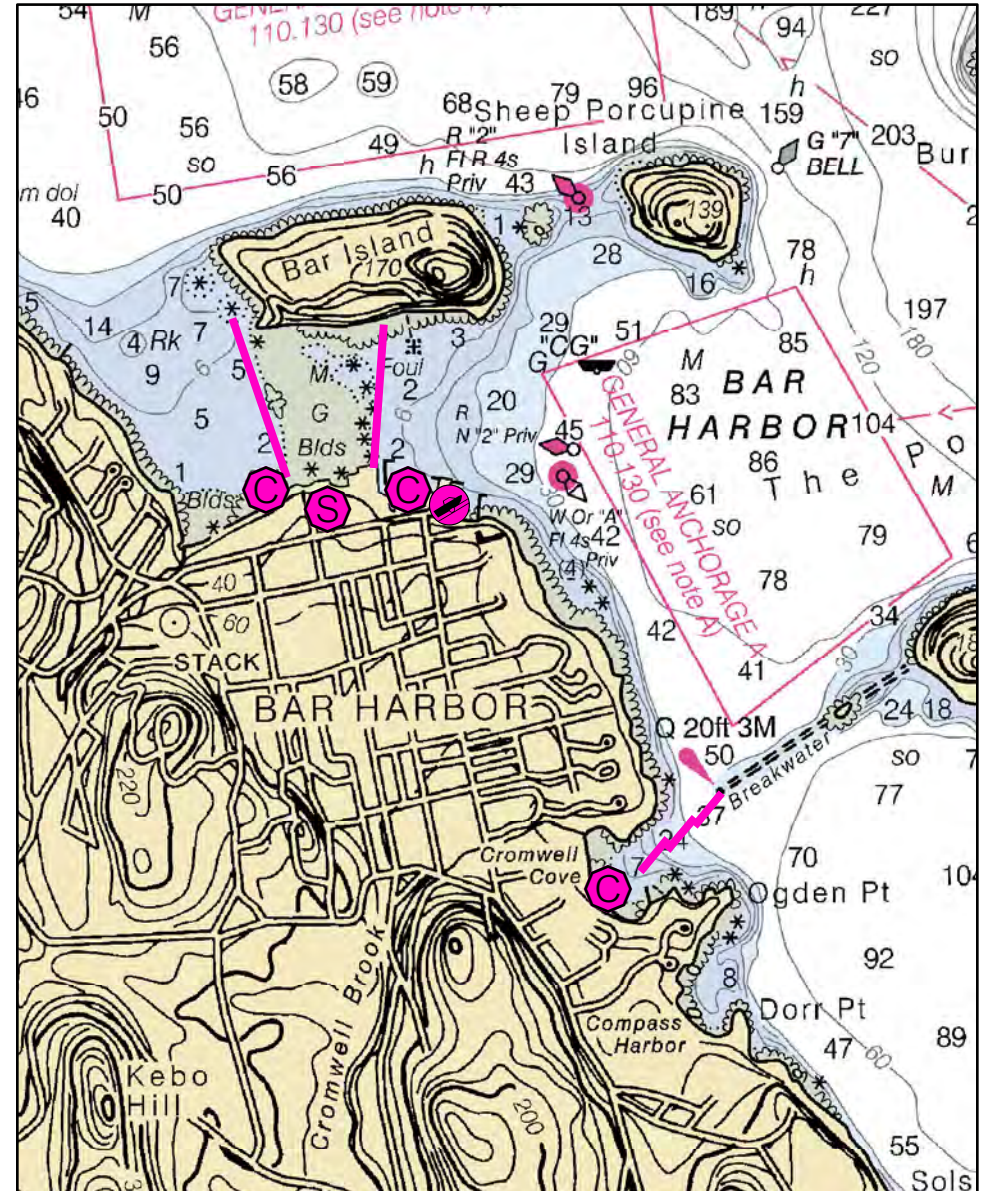
Frenchman Bay / Bar Harbor Bar Harbor / Gouldsboro, ME



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



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

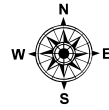
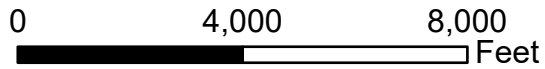
Last Field Visit 7/2/2007

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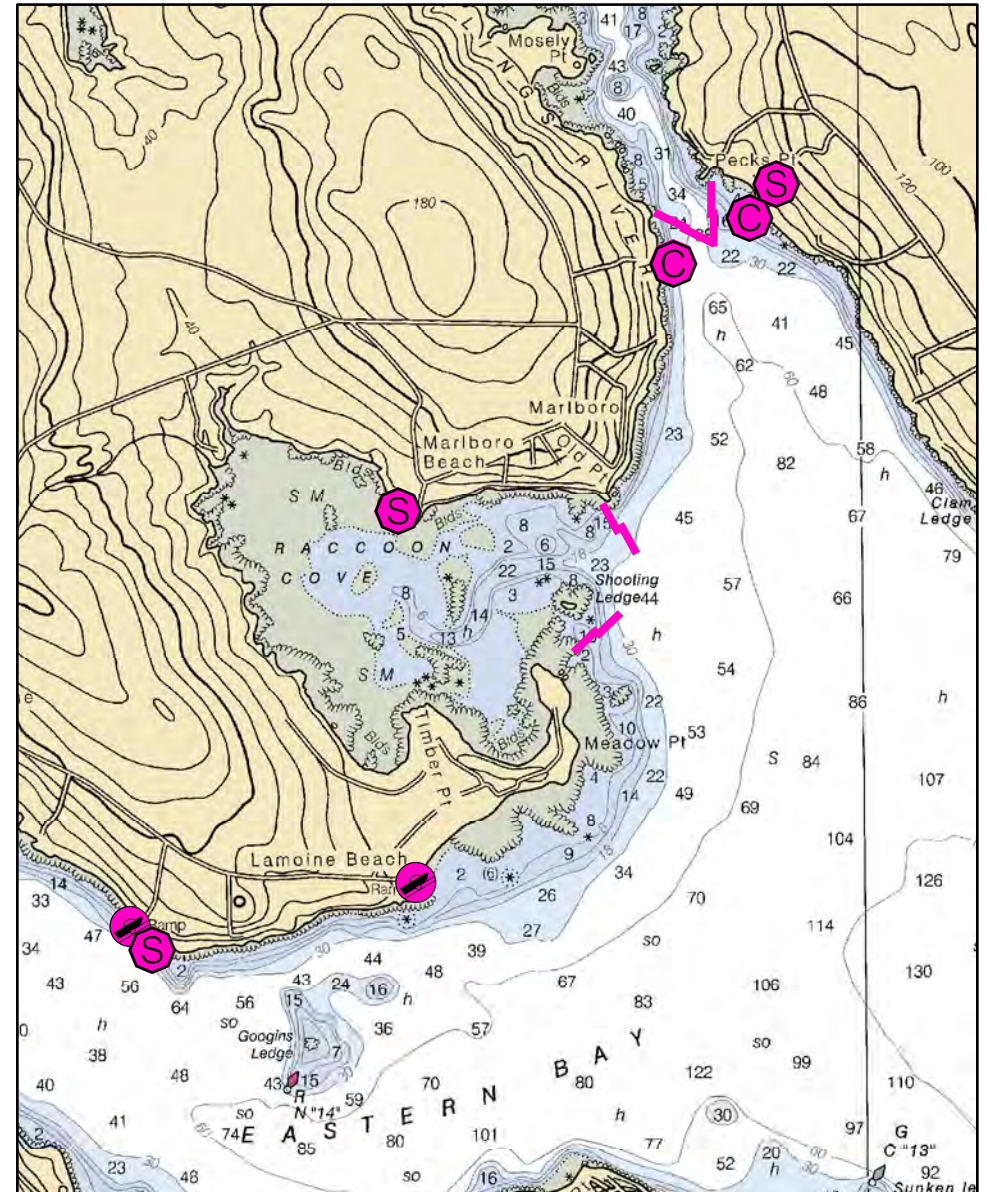
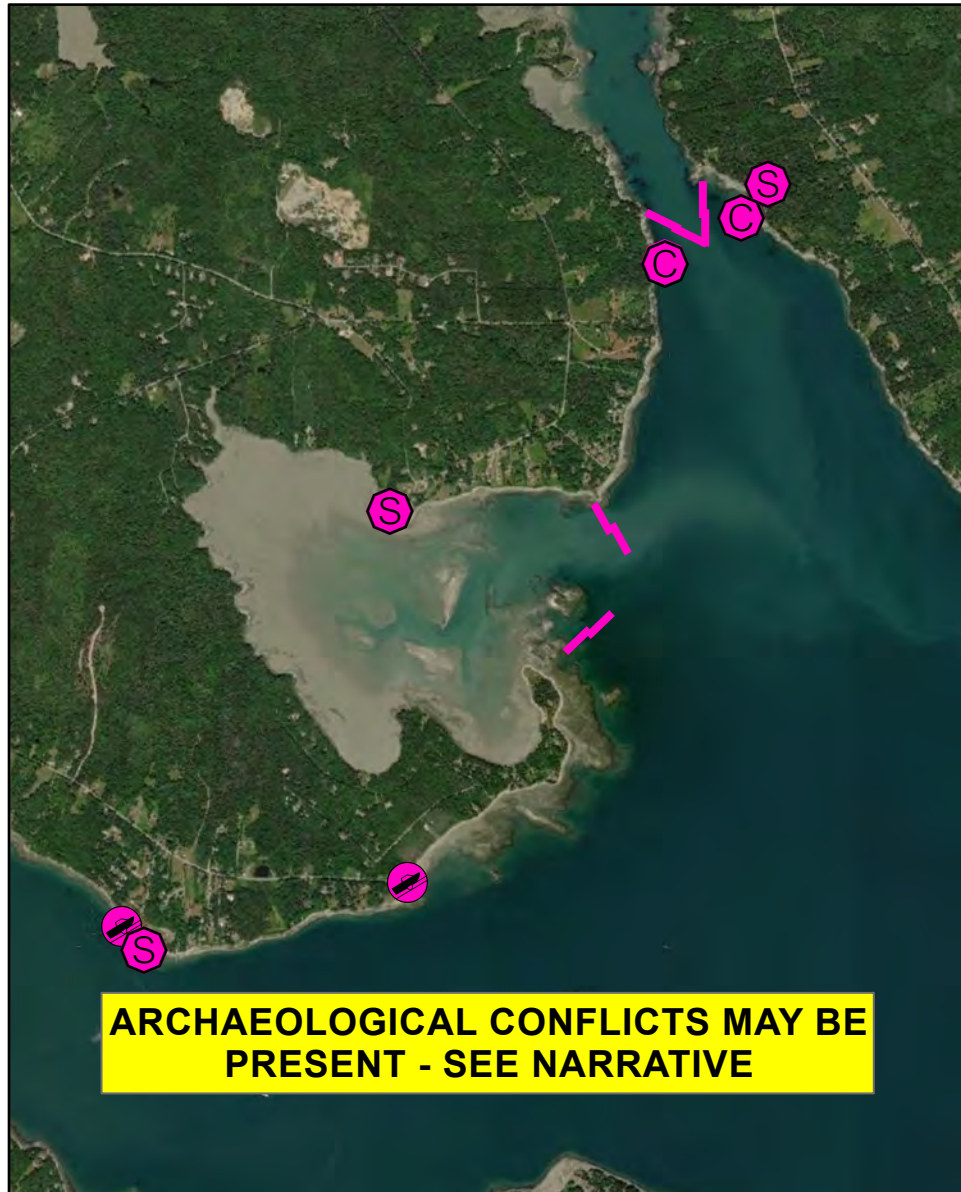
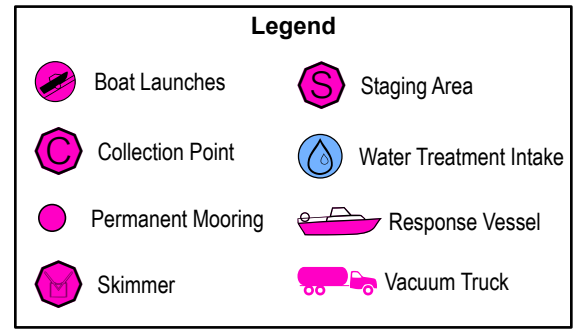
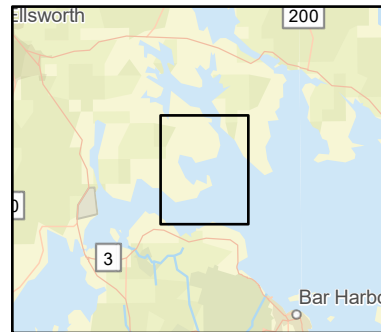
C-39-1

Skillings River / Raccoon Cove

Bar Harbor / Lamoine, ME



Date printed: 9/10/2022 7:53 PM



C-39-1 Skillings River / Raccoon Cove

Town Bar Harbor / Lamoine

Port Region Penobscot Bay

Latitude 44° 28.704' N **Longitude** 68° 15.450' W

NOAA Chart # 13318_1

Approx. Tidal Range (feet) 11

ESI Map # 21A, 20B

Max Current (knots) **Flood** 2 kts **Ebb**

EVI Map # 68, 69

Source Local knowledge estimate

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.

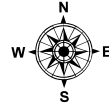
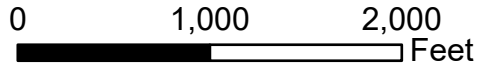
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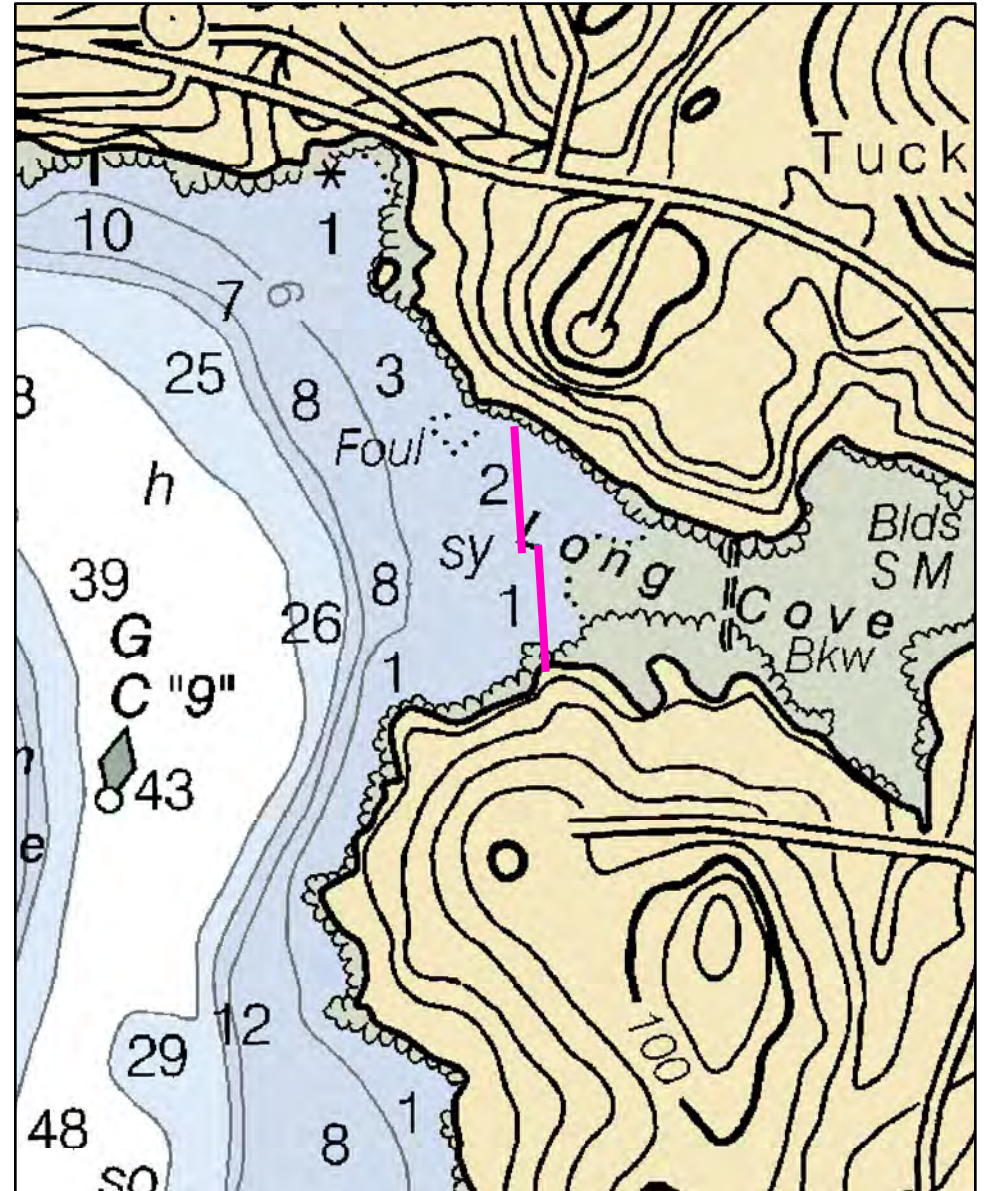
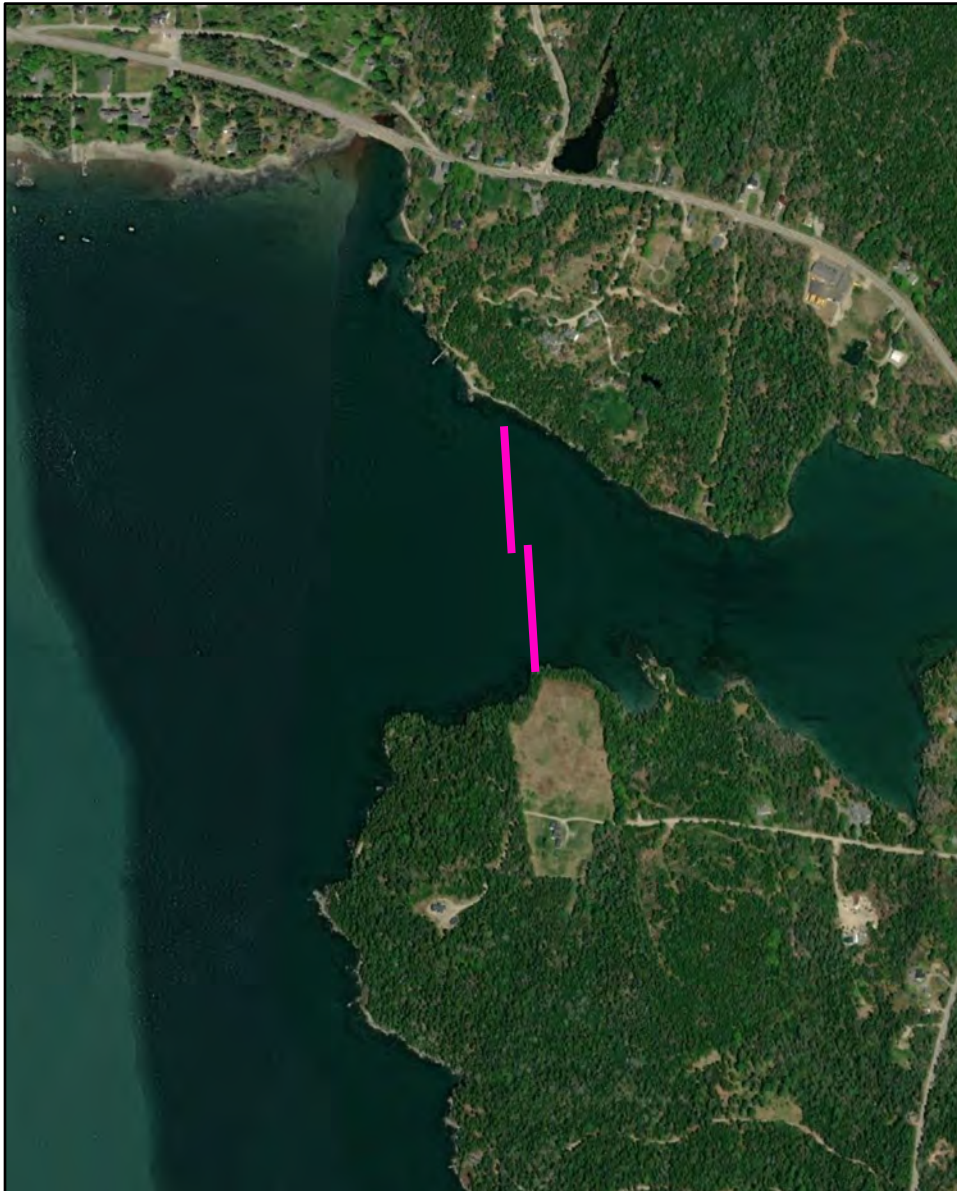
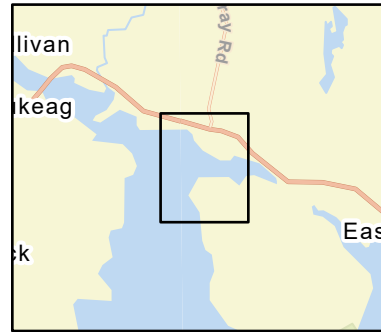
Last Field Test:

C-40-1

Sullivan Harbor / Long Cove
Sorrento / Sullivan, ME



Date printed: 9/10/2022 7:53 PM



C-40-1 Sullivan Harbor / Long Cove

Town	Sorrento / Sullivan	Port Region	Penobscot Bay
Latitude	44° 30.878' N	Longitude	68° 30.878' W
Approx. Tidal Range (feet)	11	NOAA Chart #	13318_1
Max Current (knots)	Flood 1 knot	ESI Map #	14A, 20B
	Ebb	EVI Map #	69
Source	Local knowledge estimate	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.

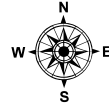
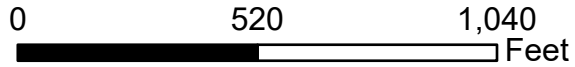
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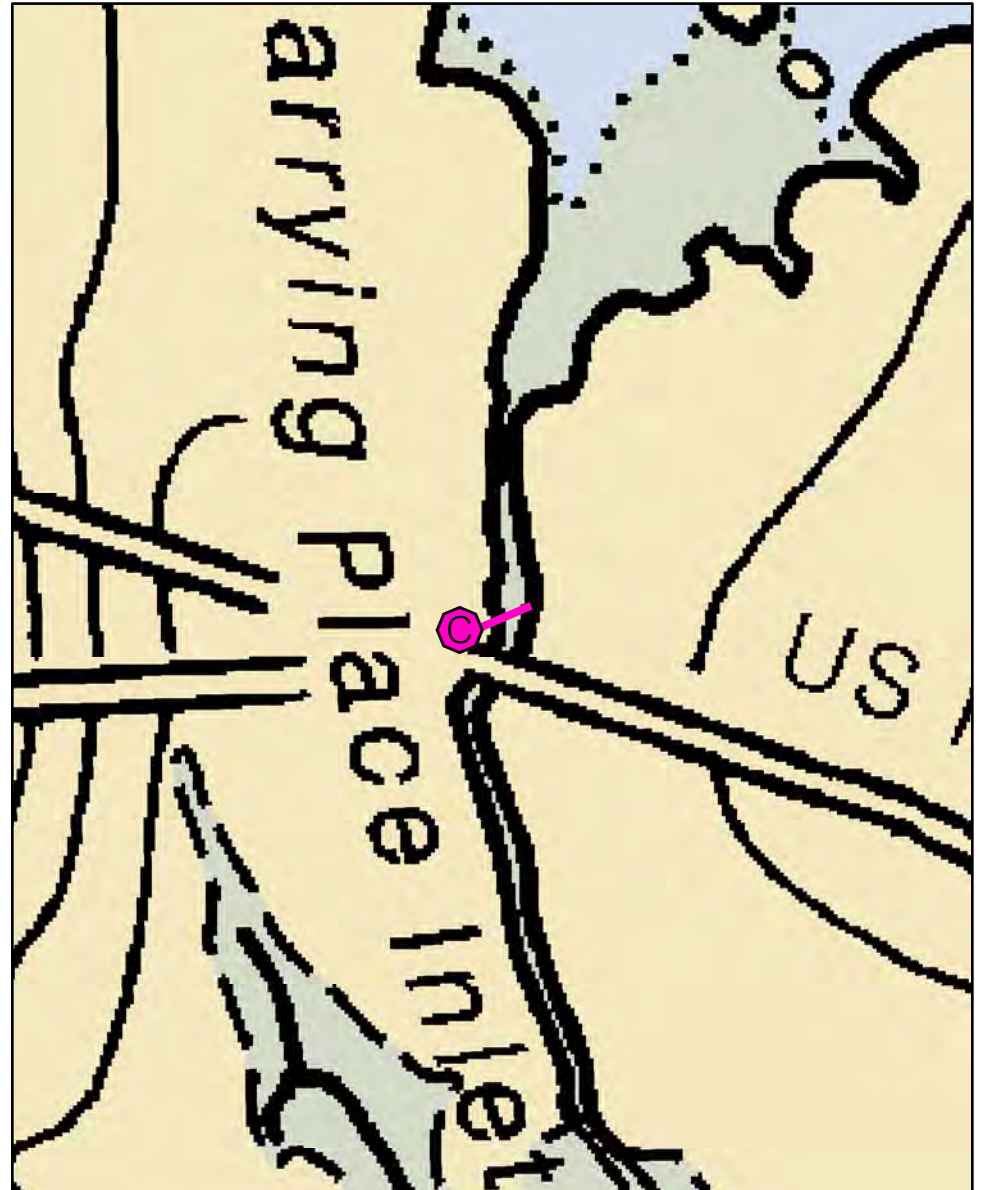
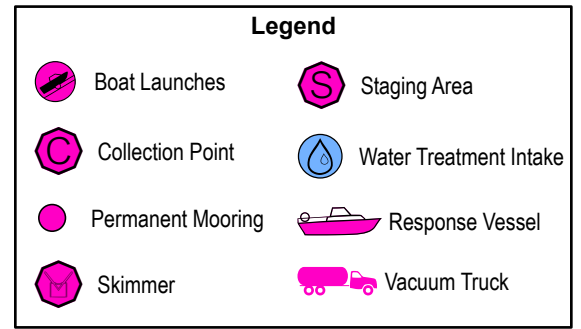
Last Field Test:

C-40-2

Sullivan Harbor / Carrying Place Inlet Hancock, ME



Date printed: 9/10/2022 7:53 PM



C-40-2 Sullivan Harbor / Carrying Place Inlet

Town	Hancock	Port Region	Penobscot Bay
Latitude	44° 32.004' N	Longitude	68° 16.099' W
Approx. Tidal Range (feet)	11	NOAA Chart #	13318_1
Max Current (knots)	Flood	ESI Map #	14B
Source	Ebb	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:

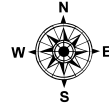
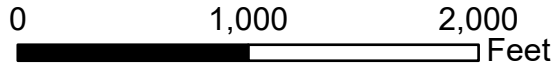
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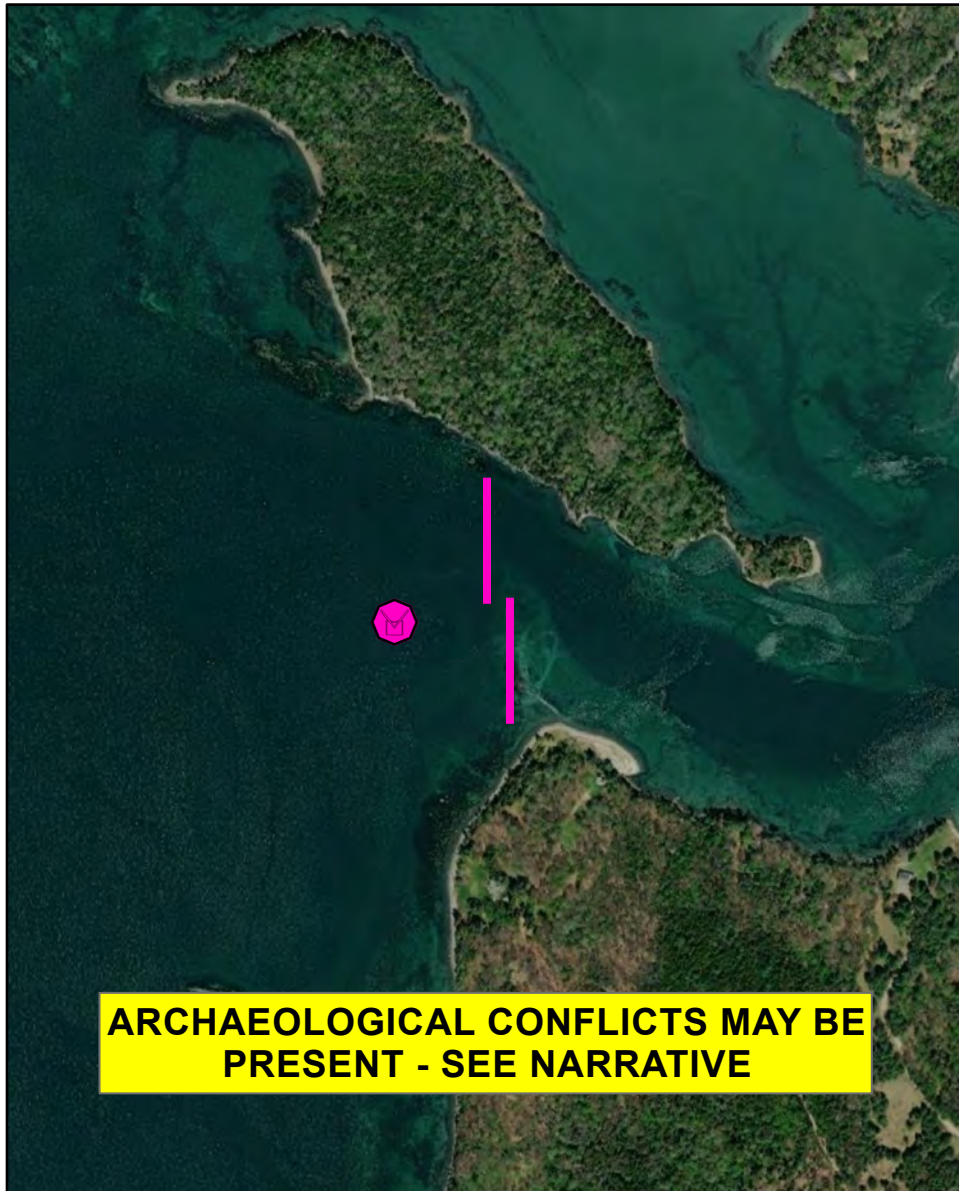
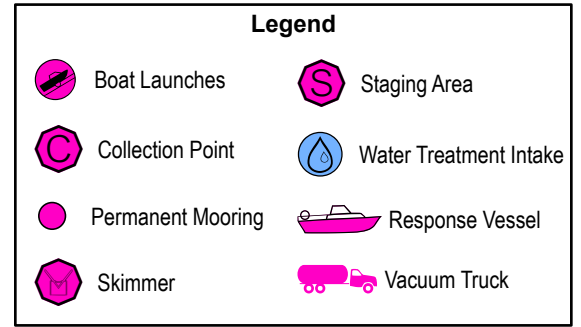
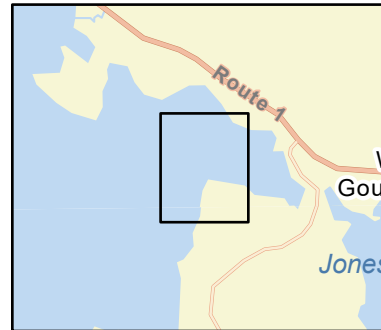
C-41-1

Flanders Bay

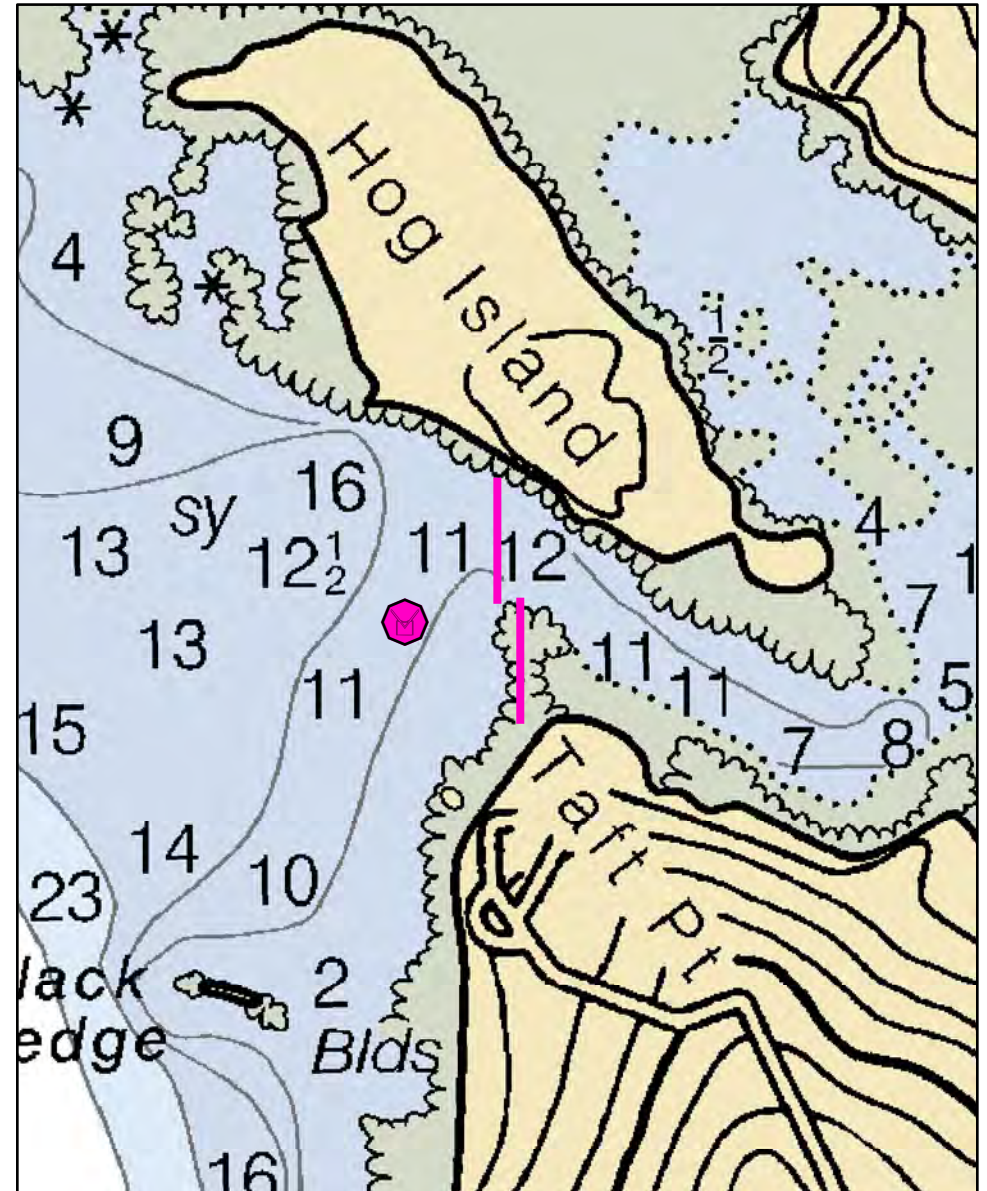
Gouldsboro, ME



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ARCHAEOLOGICAL CONFLICTS MAY BE PRESENT - SEE NARRATIVE



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

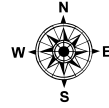
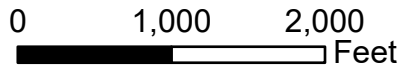
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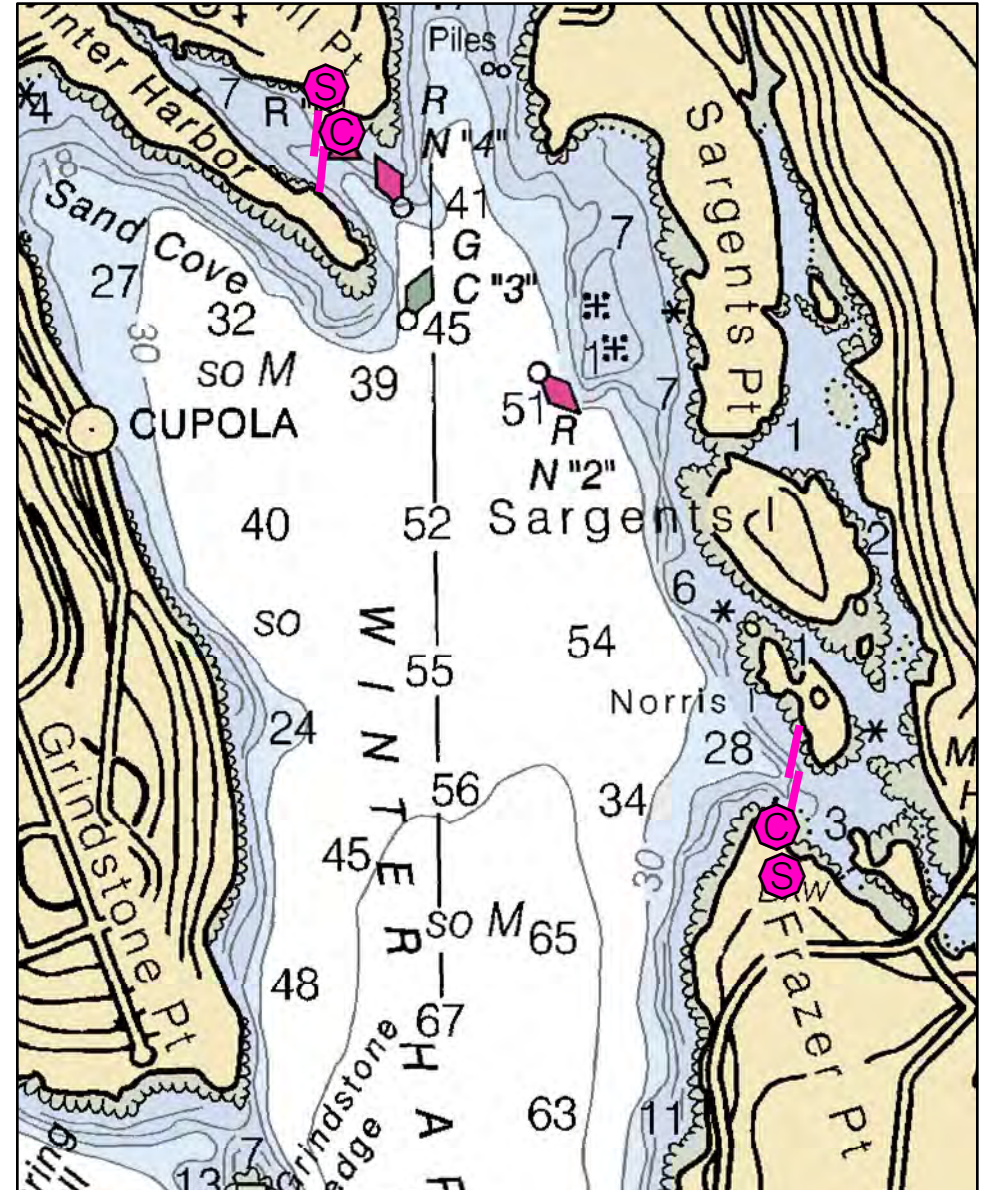
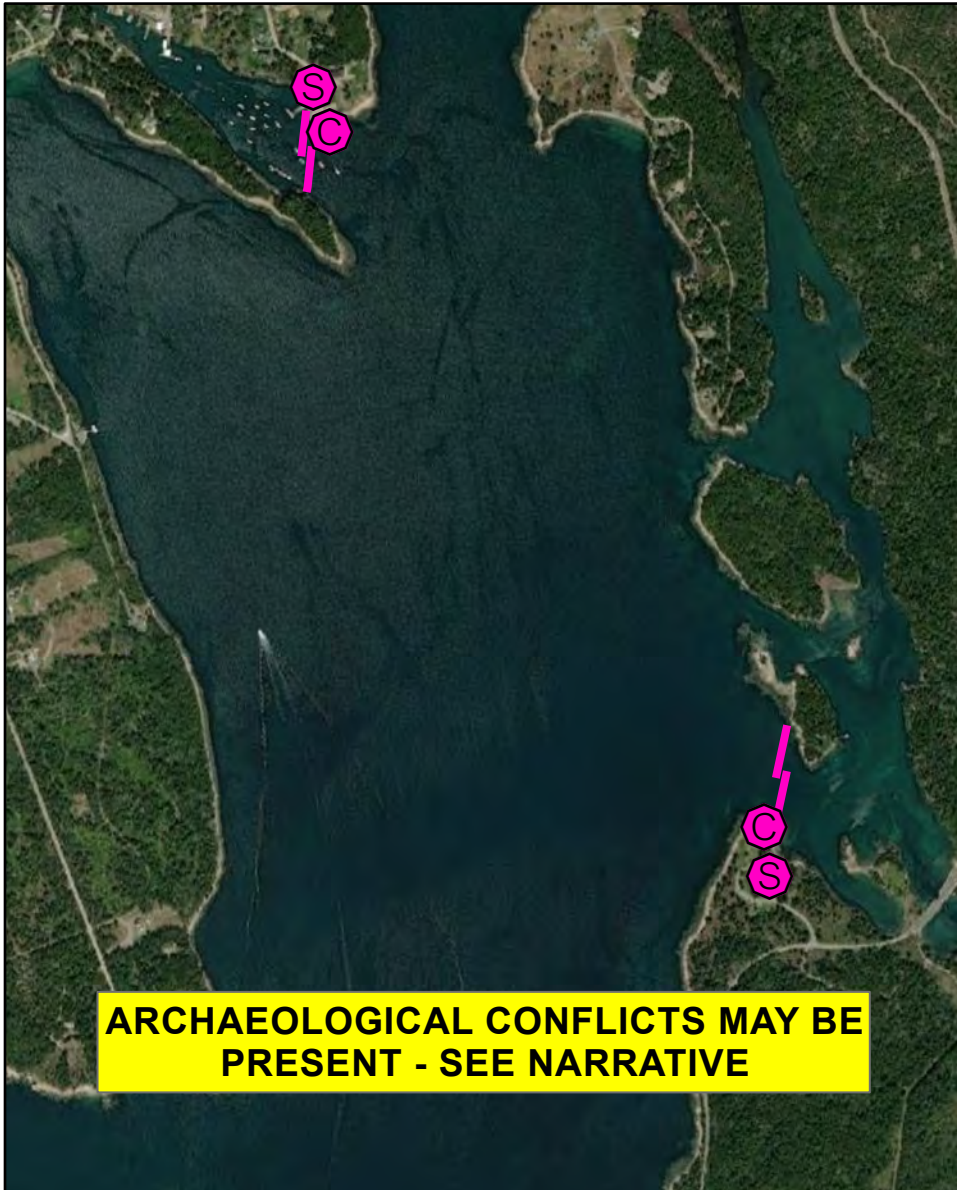
C-42-1

Winter Harbor / Mosquito Harbor

Winter Harbor, ME



Date printed: 9/10/2022 7:53 PM



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	Port Region	Penobscot Bay
Latitude	44° 23.314' N	Longitude	68° 5.169' W
Approx. Tidal Range (feet)	12	NOAA Chart #	13318_1
Max Current (knots)	Flood	ESI Map #	20C
Source	Ebb	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
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Unless otherwise indicated, the boom length given is the distance measured on the chart. Actual length required may vary with conditions.

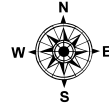
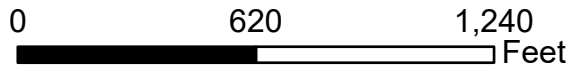
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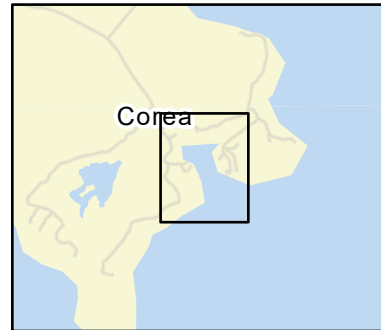
Last Field Test:

D-01-1

Corea Harbor
Corea, ME

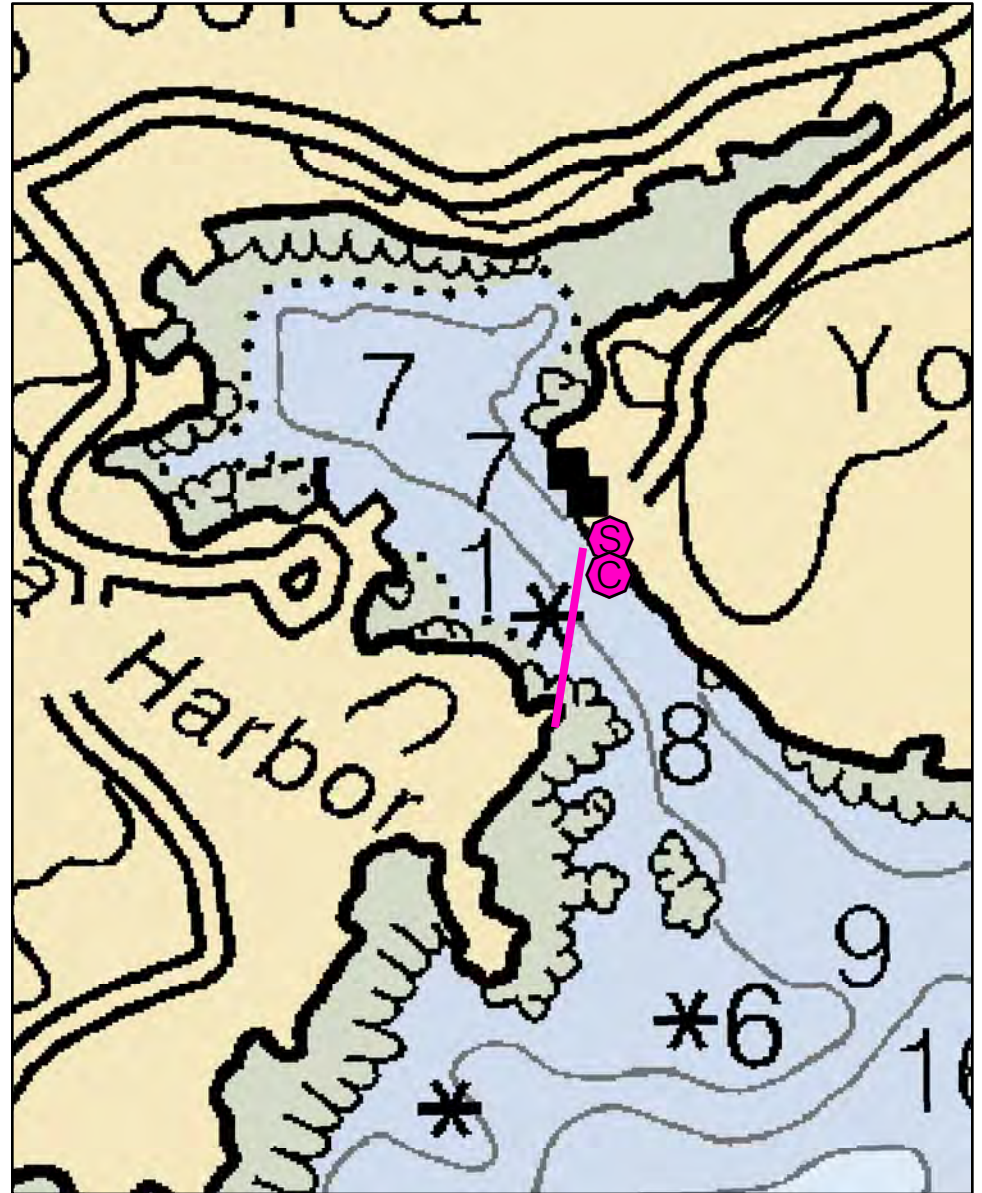


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Legend

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



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.

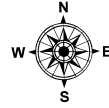
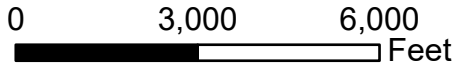
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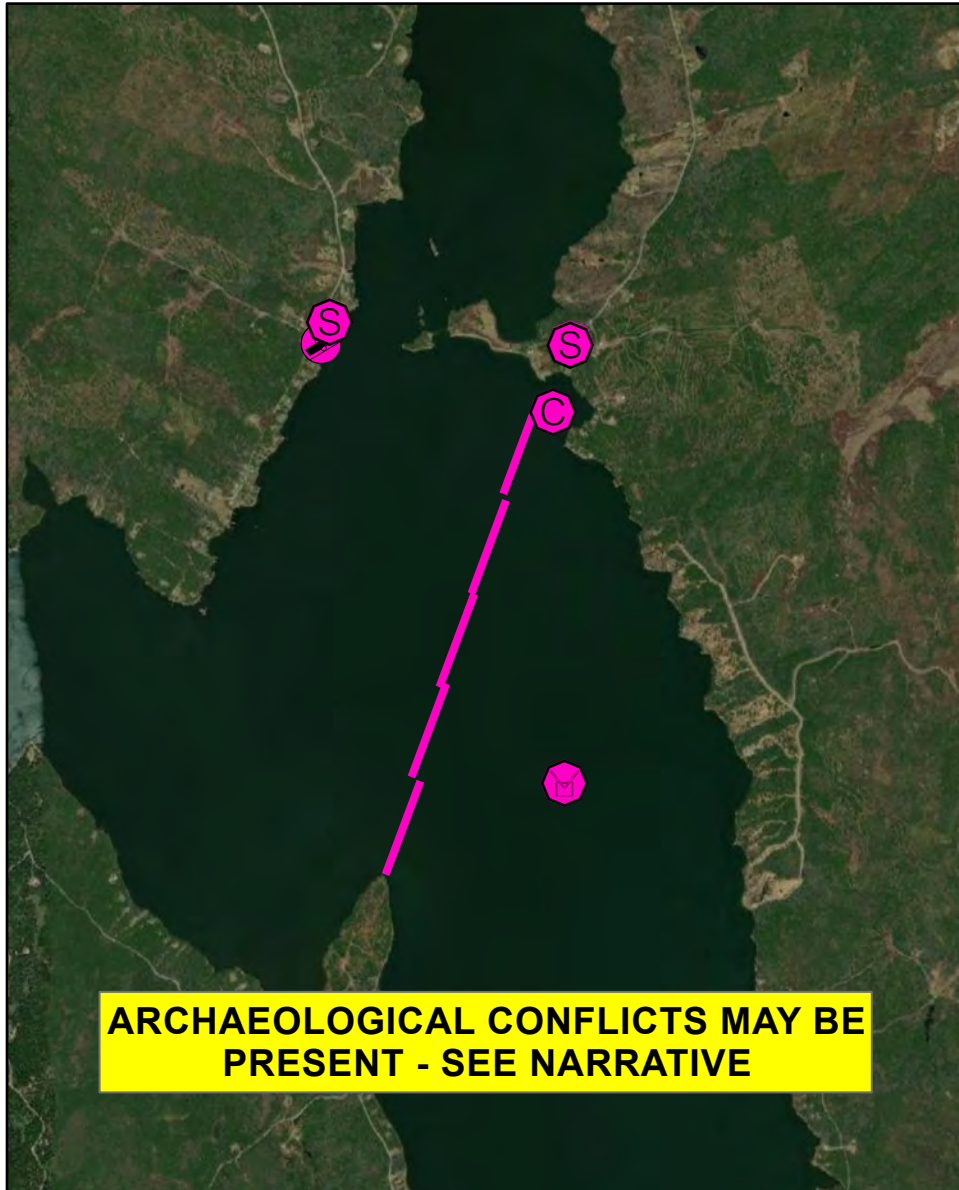
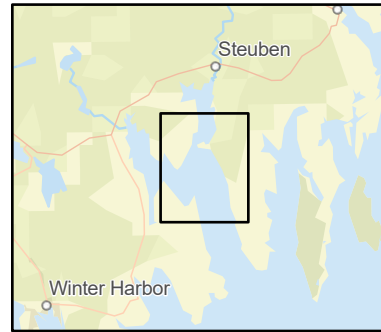
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D-02-1

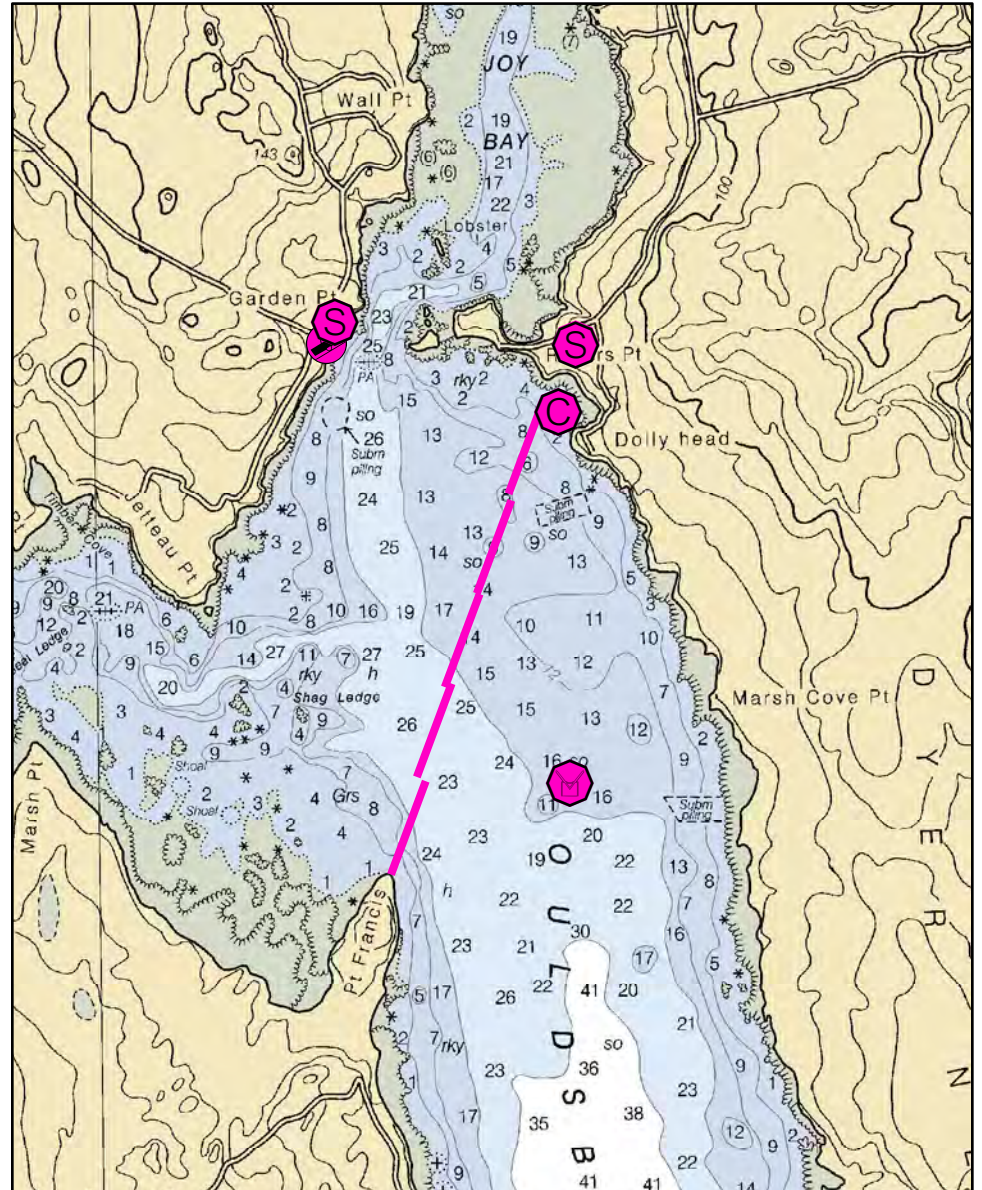
Inner Gouldsboro Bay Gouldsboro, ME



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ARCHAEOLOGICAL CONFLICTS MAY BE PRESENT - SEE NARRATIVE



D-02-1 Inner Gouldsboro Bay

Town Gouldsboro

Port Region Downeast

Latitude 44° 27.482 Longitude 67° 58.654

NOAA Chart # 13324_1

Approx. Tidal Range (feet) 12

ESI Map # 19B

Max Current (knots) Flood Ebb

EVI Map # 78, 70

Source 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.

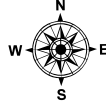
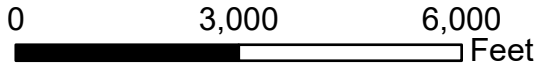
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Last Field Visit

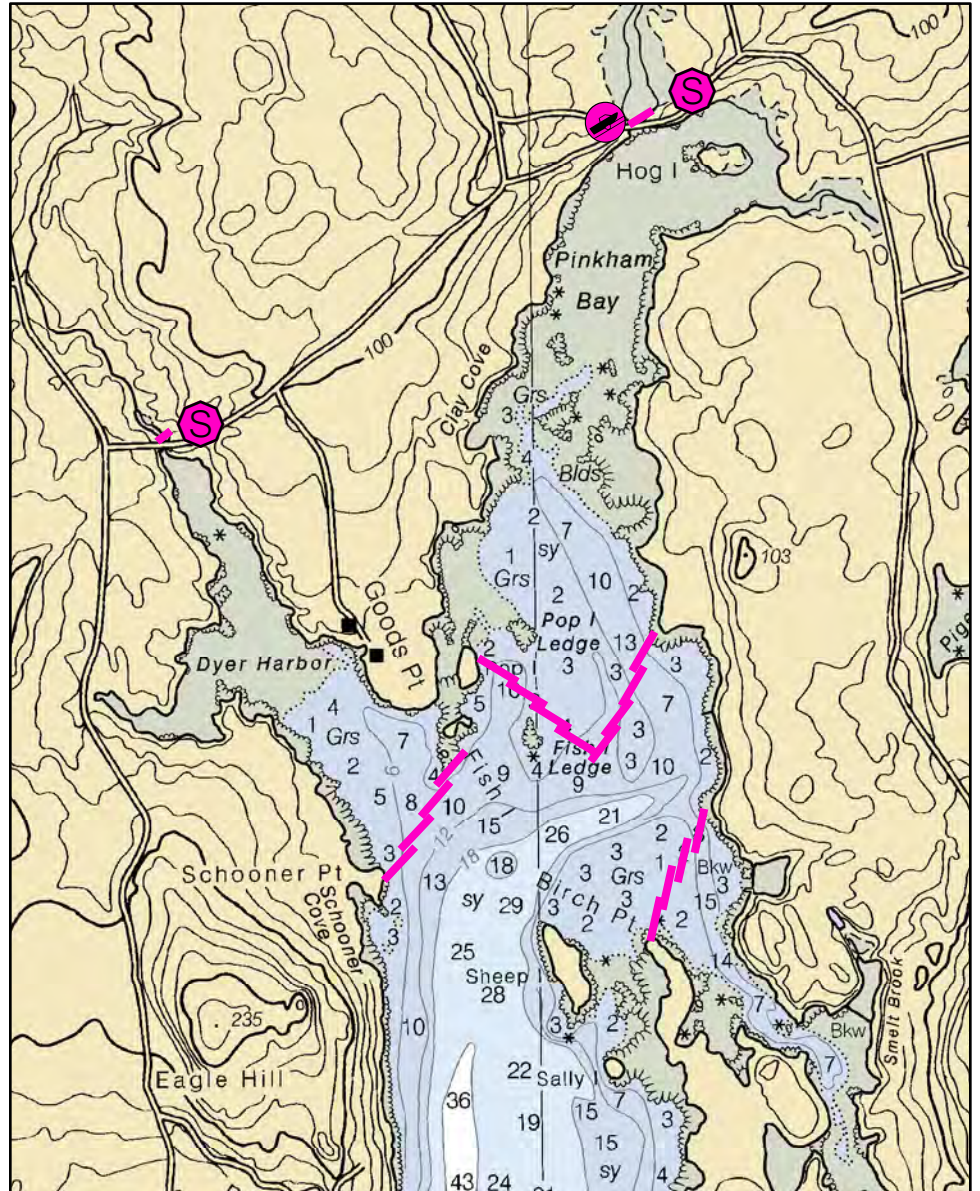
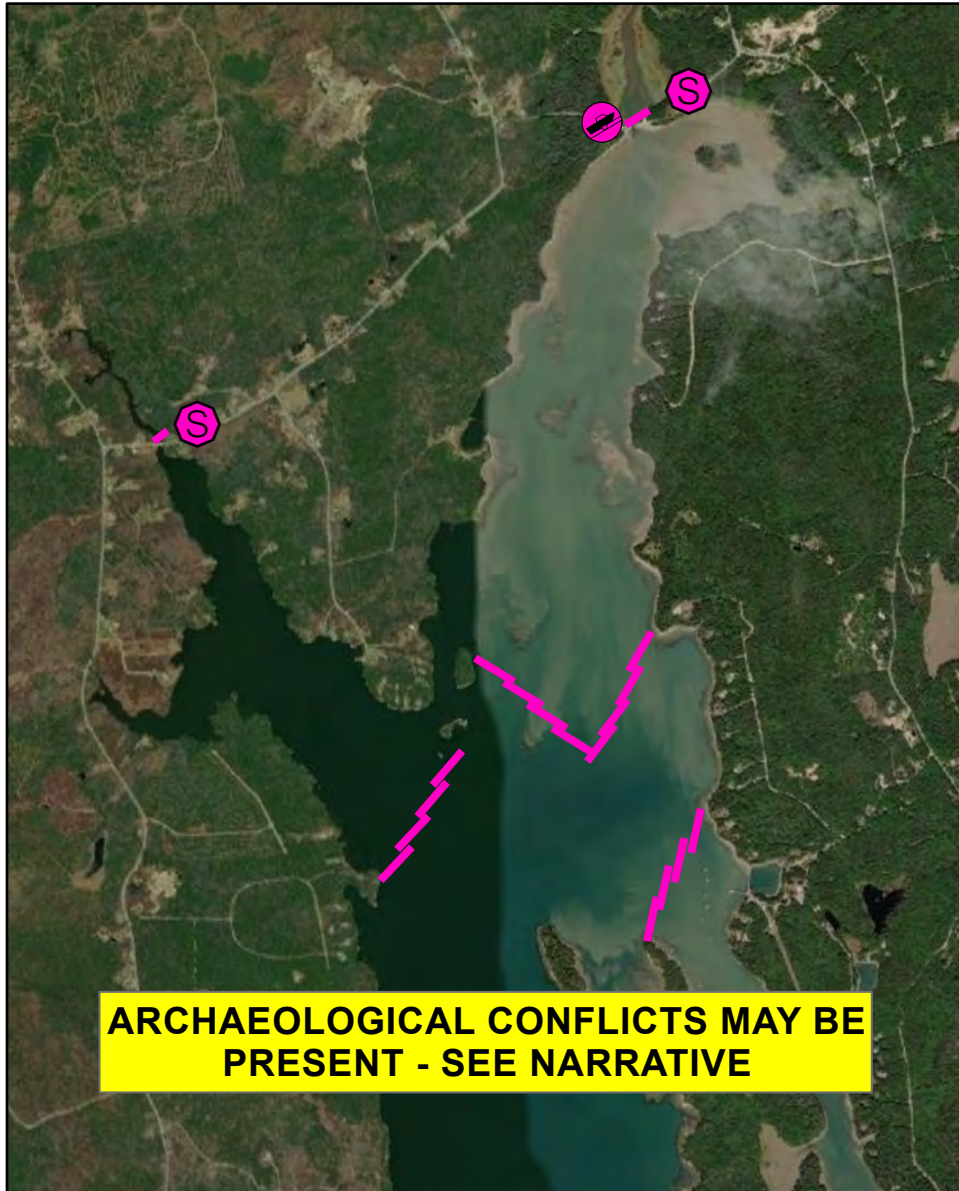
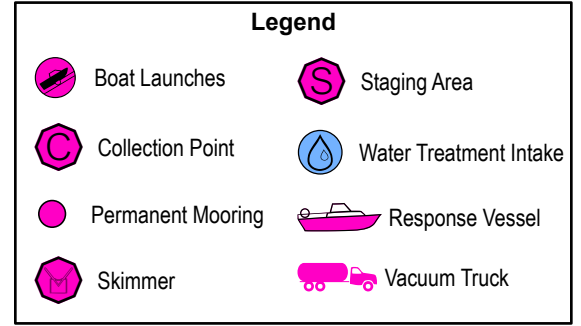
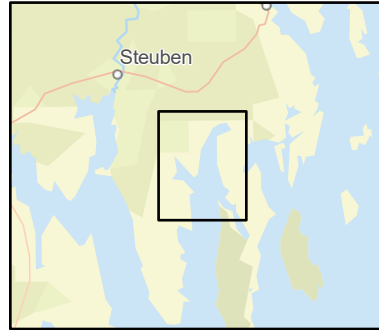
Last Field Test:

D-03-1

Dyer Bay Steuben, ME



Date printed: 9/10/2022 7:53 PM



D-03-1 Dyer Bay

Town Steuben

Port Region Downeast

Latitude 44° 28.006 Longitude 67° 54.906

NOAA Chart # 13324_1

Approx. Tidal Range (feet) 12

ESI Map # 19A, 19B

Max Current (knots) Flood Ebb

EVI Map # 78

Source 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

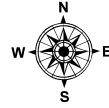
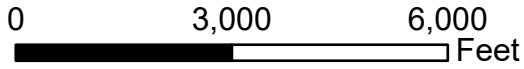
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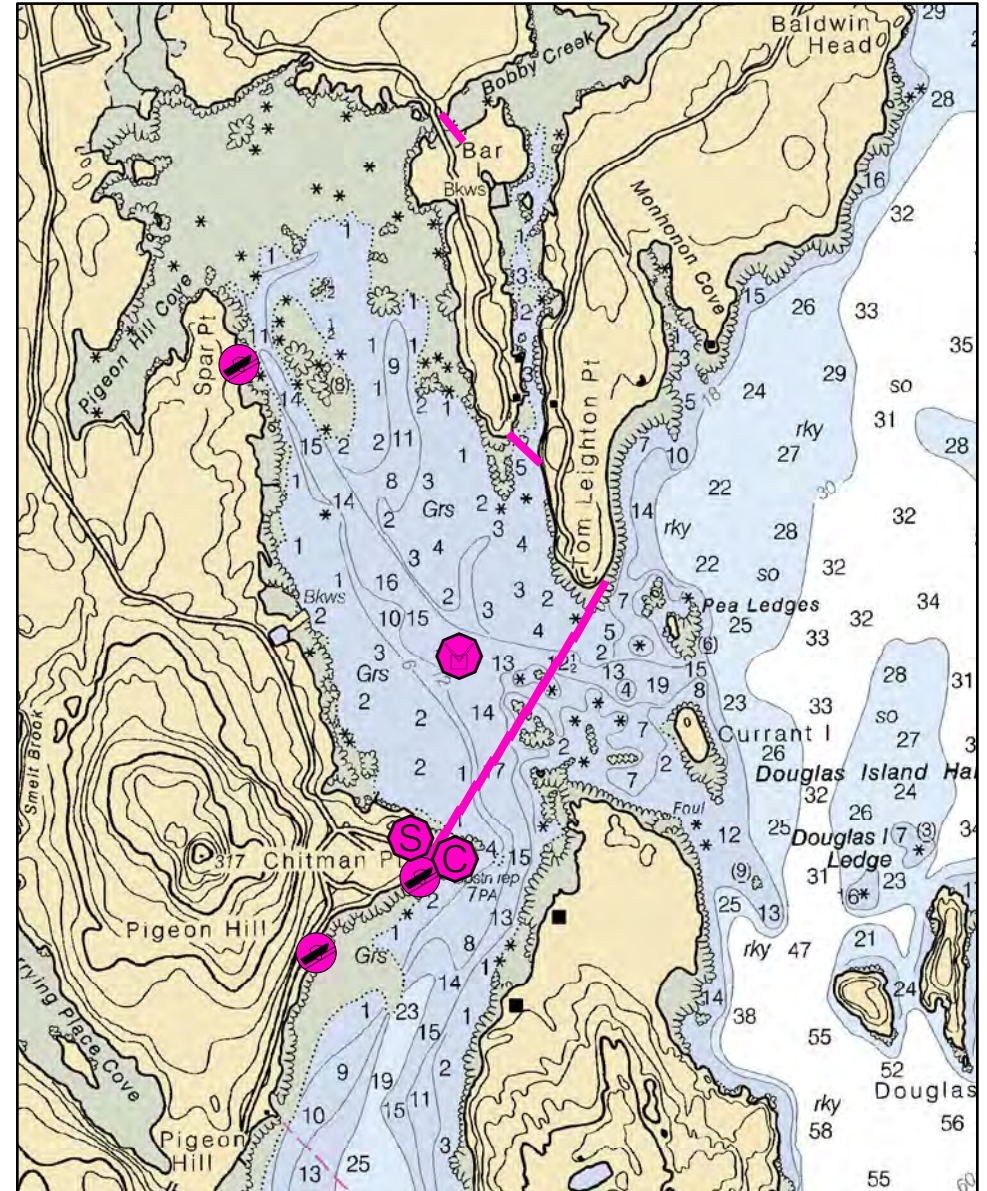
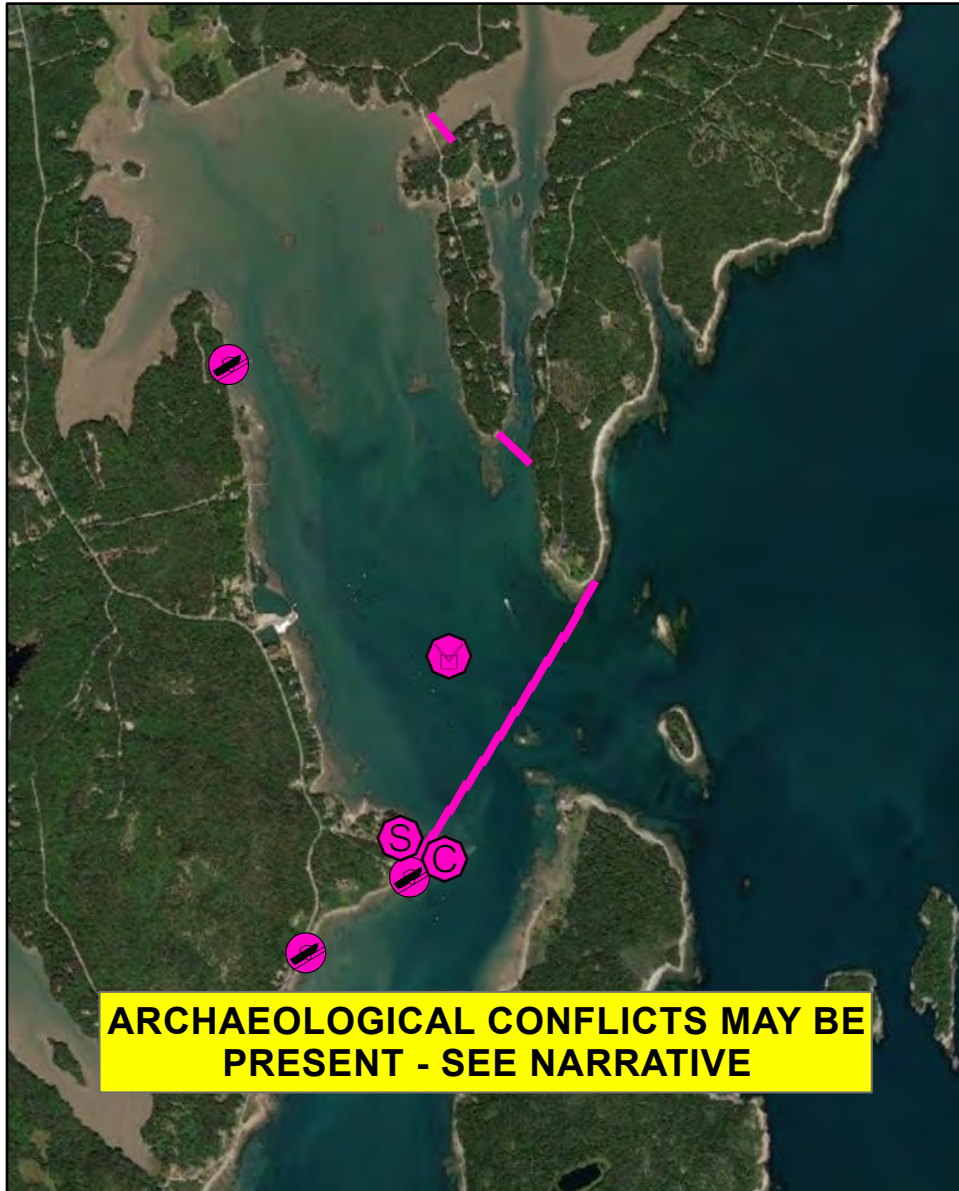
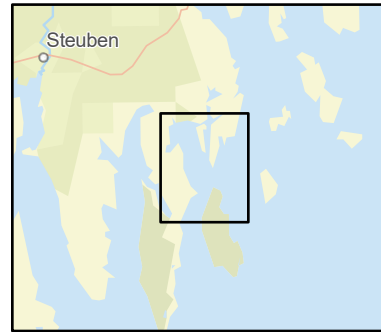
D-04-1

Pigeon Hill Bay

Milbridge / Steuben, ME



Date printed: 9/12/2022 10:24 AM



D-04-1 Pigeon Hill Bay

Town Steuben / Milbridge

Port Region Downeast

Latitude 44° 27.596 **Longitude** 67° 52.381

NOAA Chart # 13324_1

Approx. Tidal Range (feet) 12

ESI Map # 19A

Max Current (knots) Flood Ebb

EVI Map # 78

Source **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.

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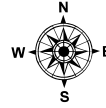
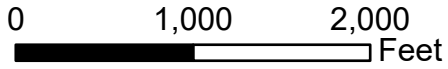
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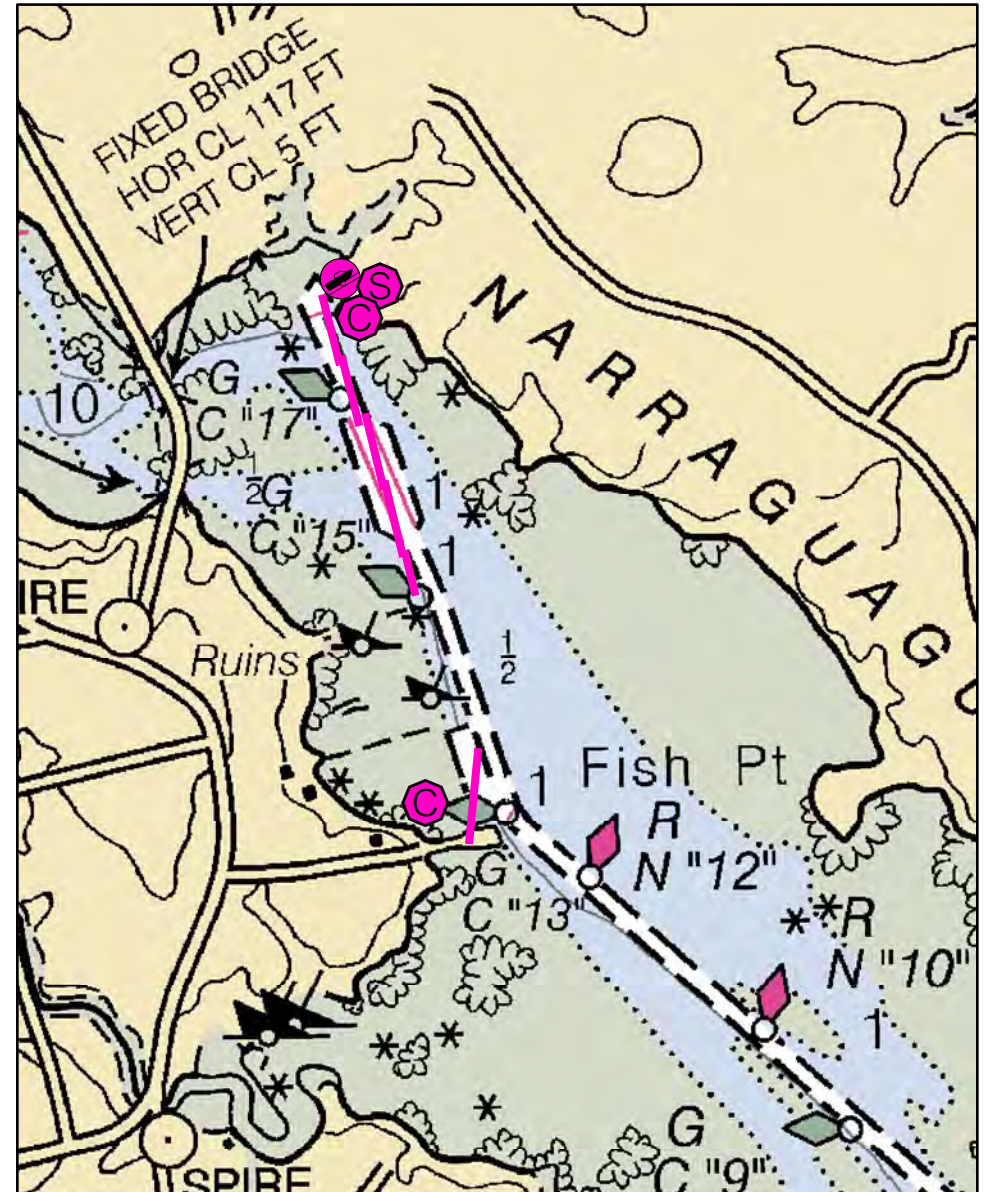
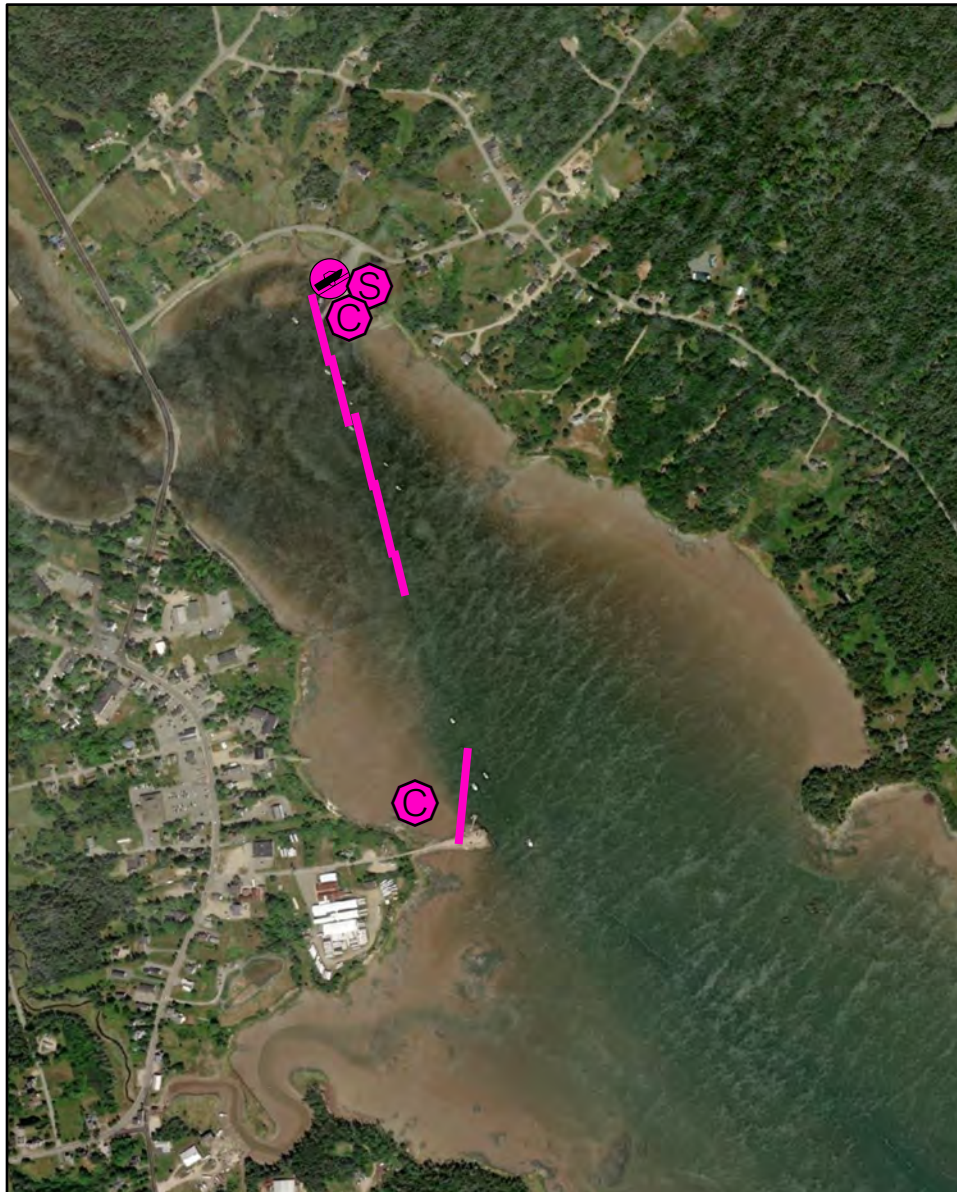
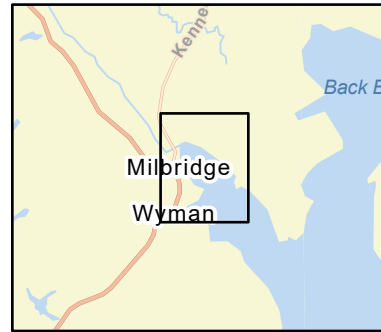
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D-05-1

Narraguagus River Milbridge, ME



Date printed: 9/12/2022 10:23 AM



D-05-1 Narraguagus River

Town Milbridge

Port Region Downeast

Latitude 44° 32.61' N **Longitude** 67° 52.75' W

NOAA Chart # 13324_1

Approx. Tidal Range (feet) 12

ESI Map # 13A

Max Current (knots) Flood Ebb

EVI Map # 78, 82

Source **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

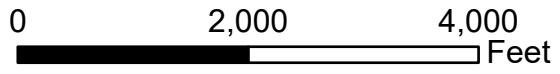
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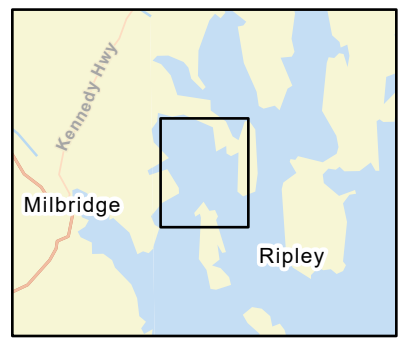
D-06-1

Back Bay

Milbridge, ME

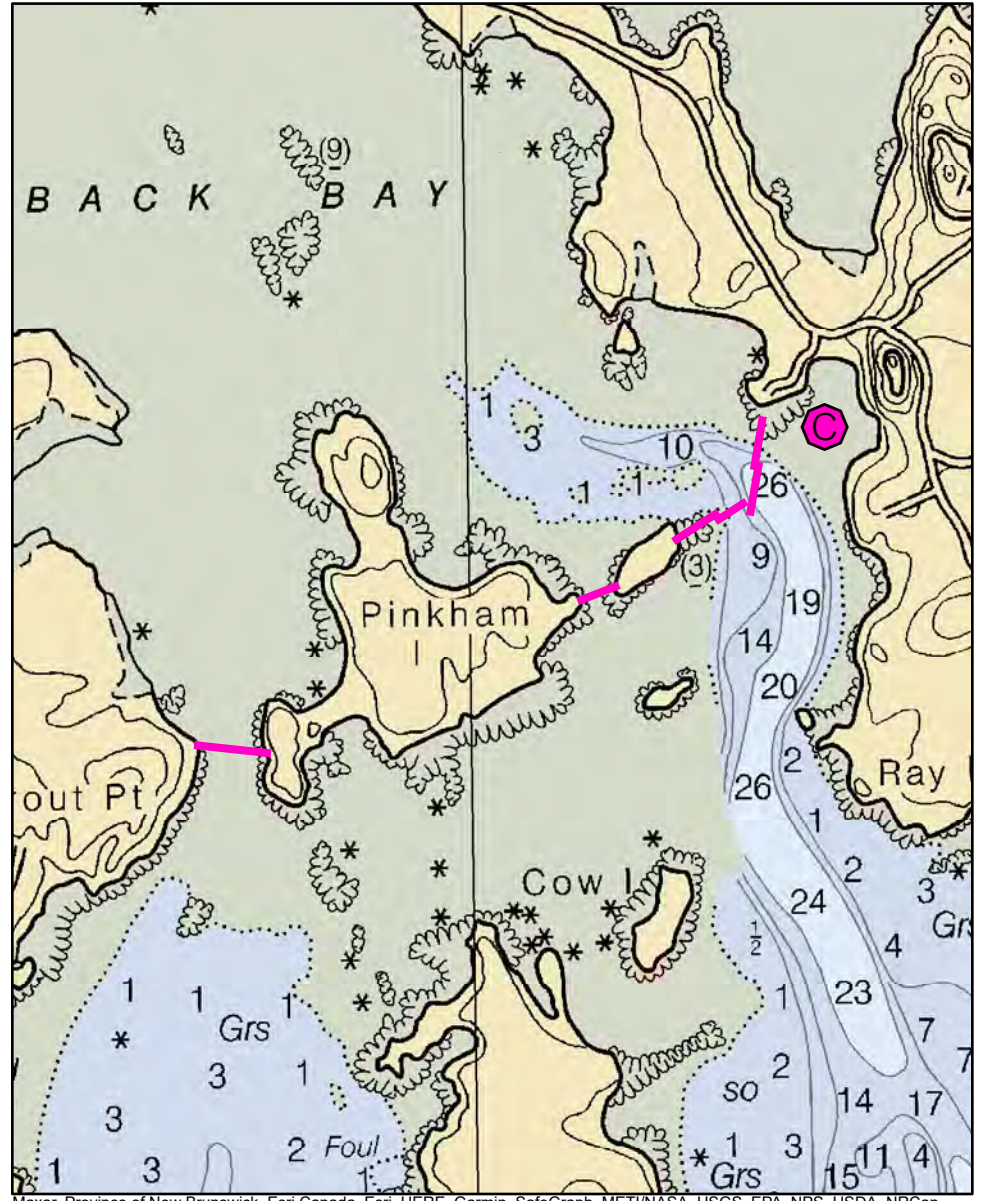


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Legend

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-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.

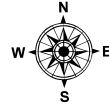
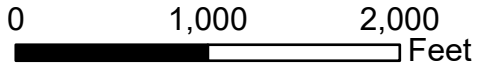
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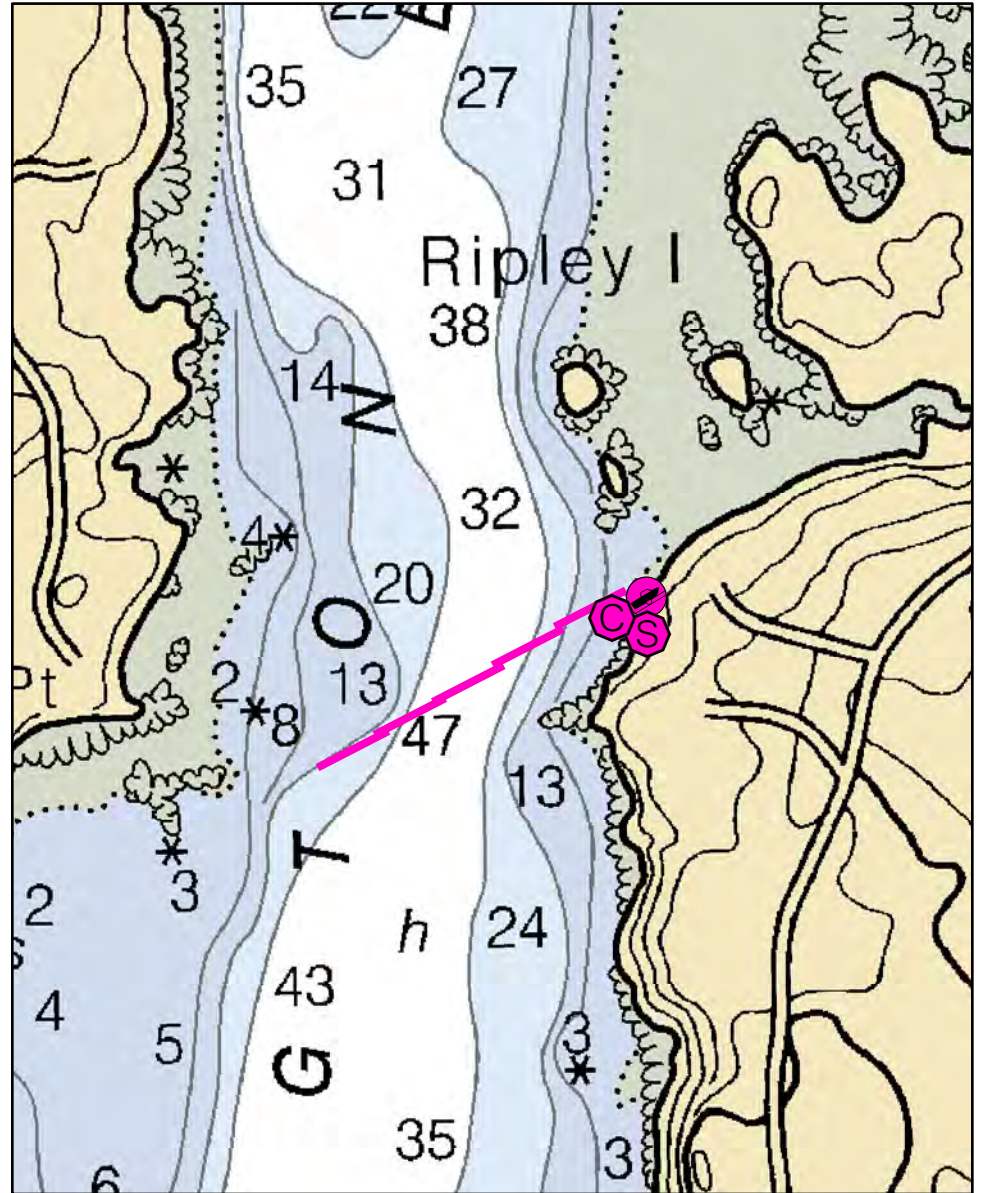
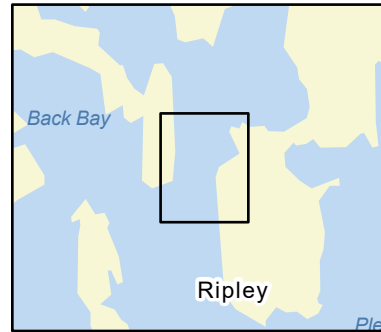
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D-07-1

Harrington Bay / River Harrington, ME



Date printed: 9/10/2022 7:54 PM



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.

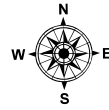
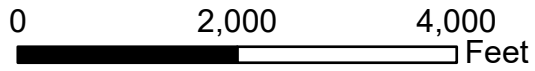
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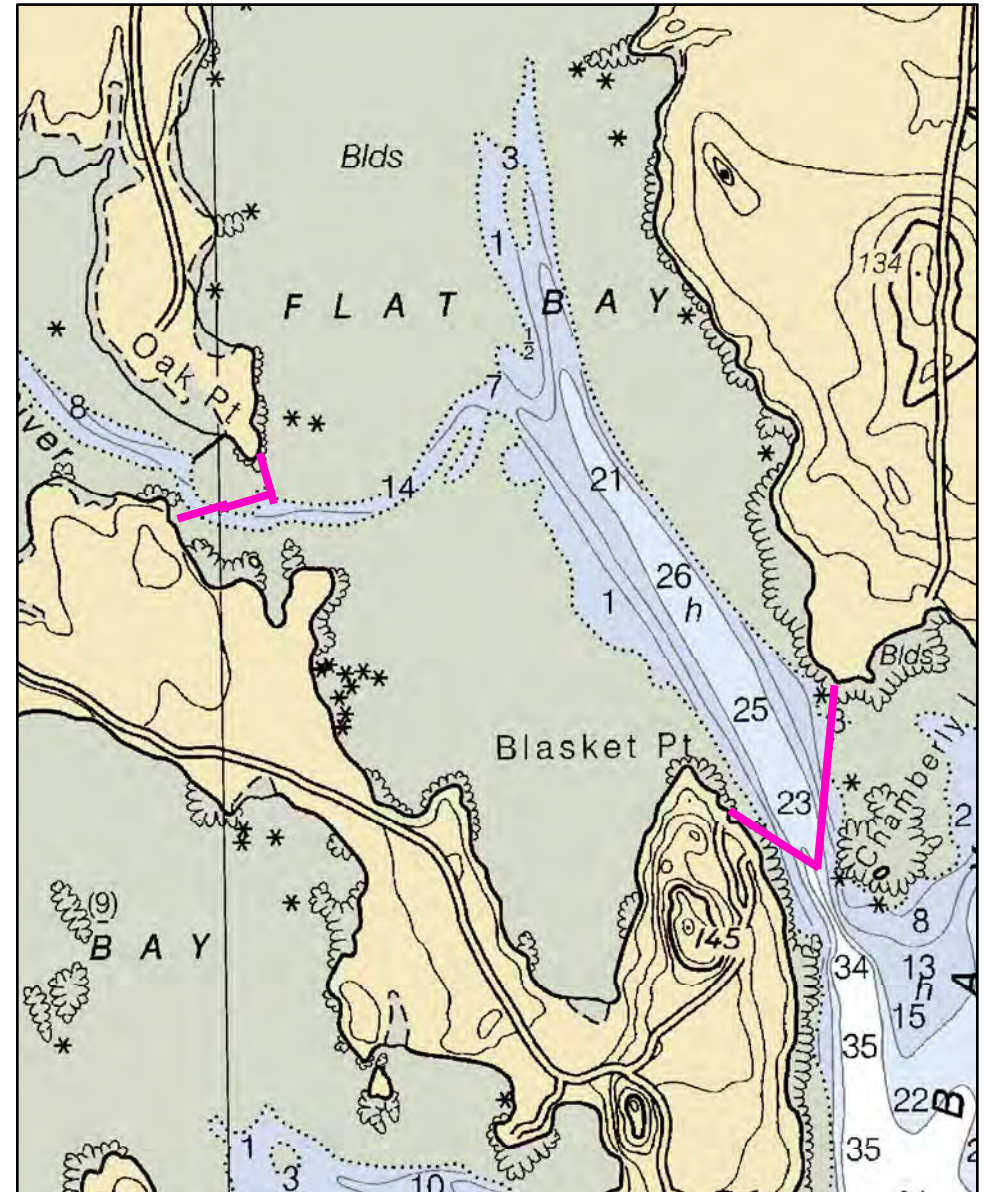
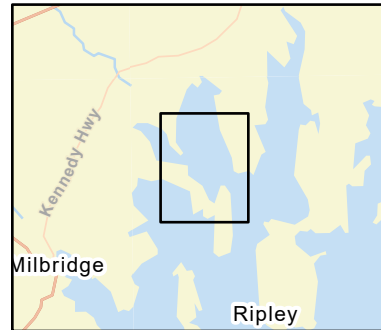
Last Field Test:

D-08-1

Flat Bay & Mill River Milbridge / Harrington, ME



Date printed: 9/10/2022 7:54 PM



D-08-1 Flat Bay & Mill River

Town Milbridge / Harrington

Port Region Downeast

Latitude 44° 33.822' N **Longitude** 67° 48.846' W

NOAA Chart # 13324_1

Approx. Tidal Range (feet) 12

ESI Map # 13A

Max Current (knots) Flood Ebb

EVI Map # 83

Source **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

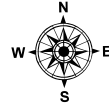
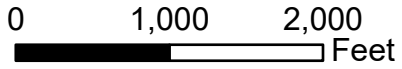
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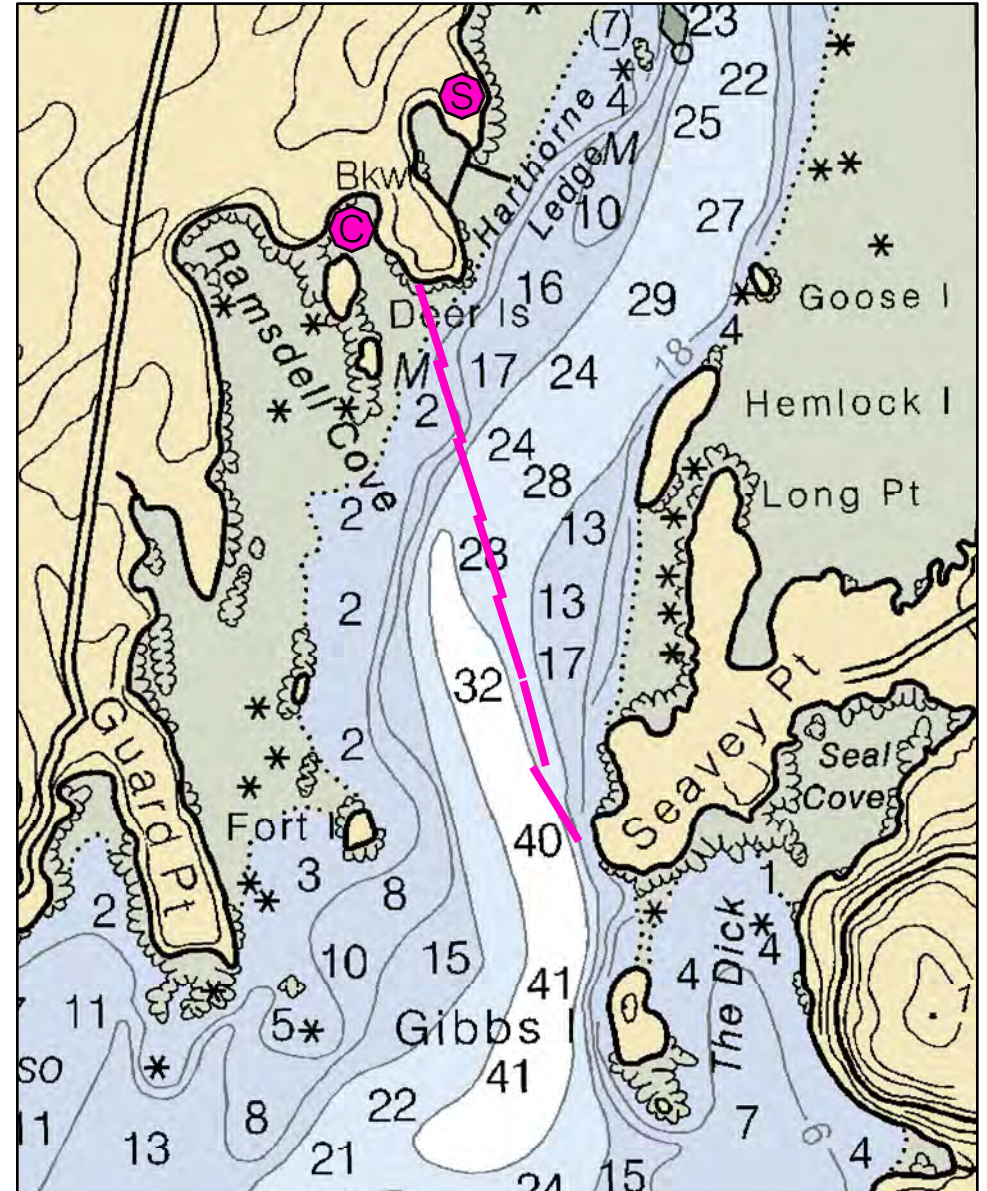
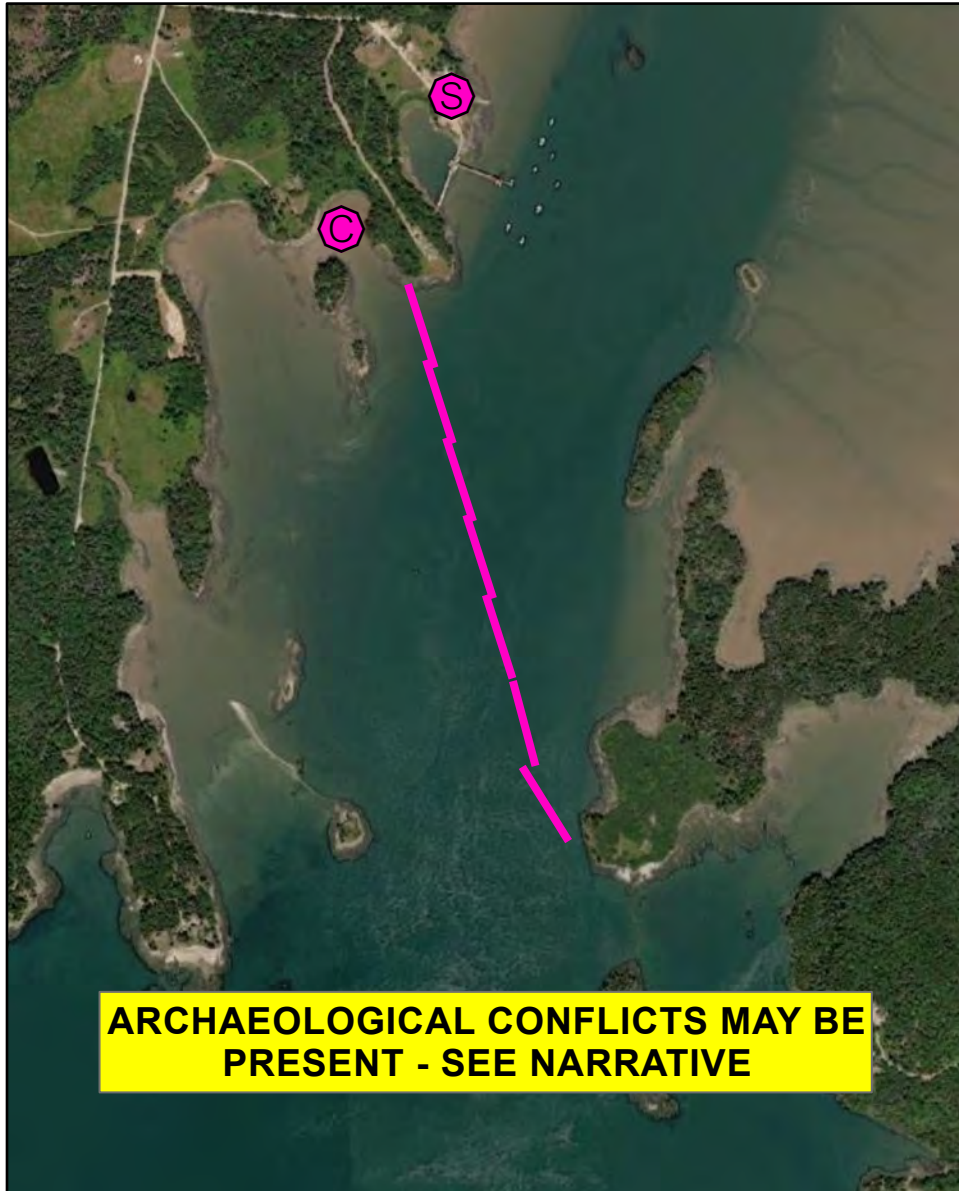
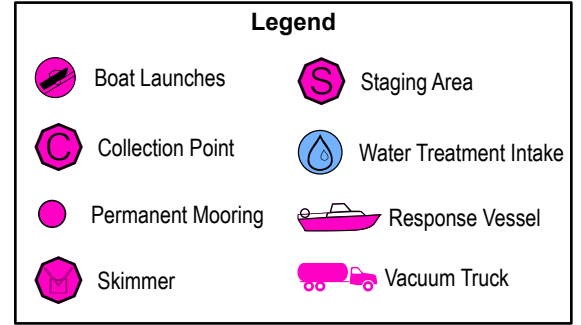
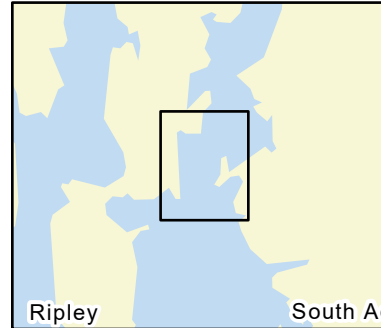
D-09-1

Pleasant River

Harrington / Addison, ME



Date printed: 9/10/2022 7:54 PM



D-09-1 Pleasant River

Town Harrington / Addison

Port Region Downeast

Latitude 44° 33.298 **Longitude** 67° 55.752

NOAA Chart # 13324_1

Approx. Tidal Range (feet) 12

ESI Map # 12D

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

EVI Map # 83

Source **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.

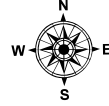
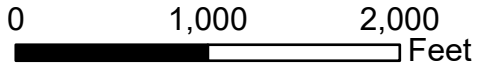
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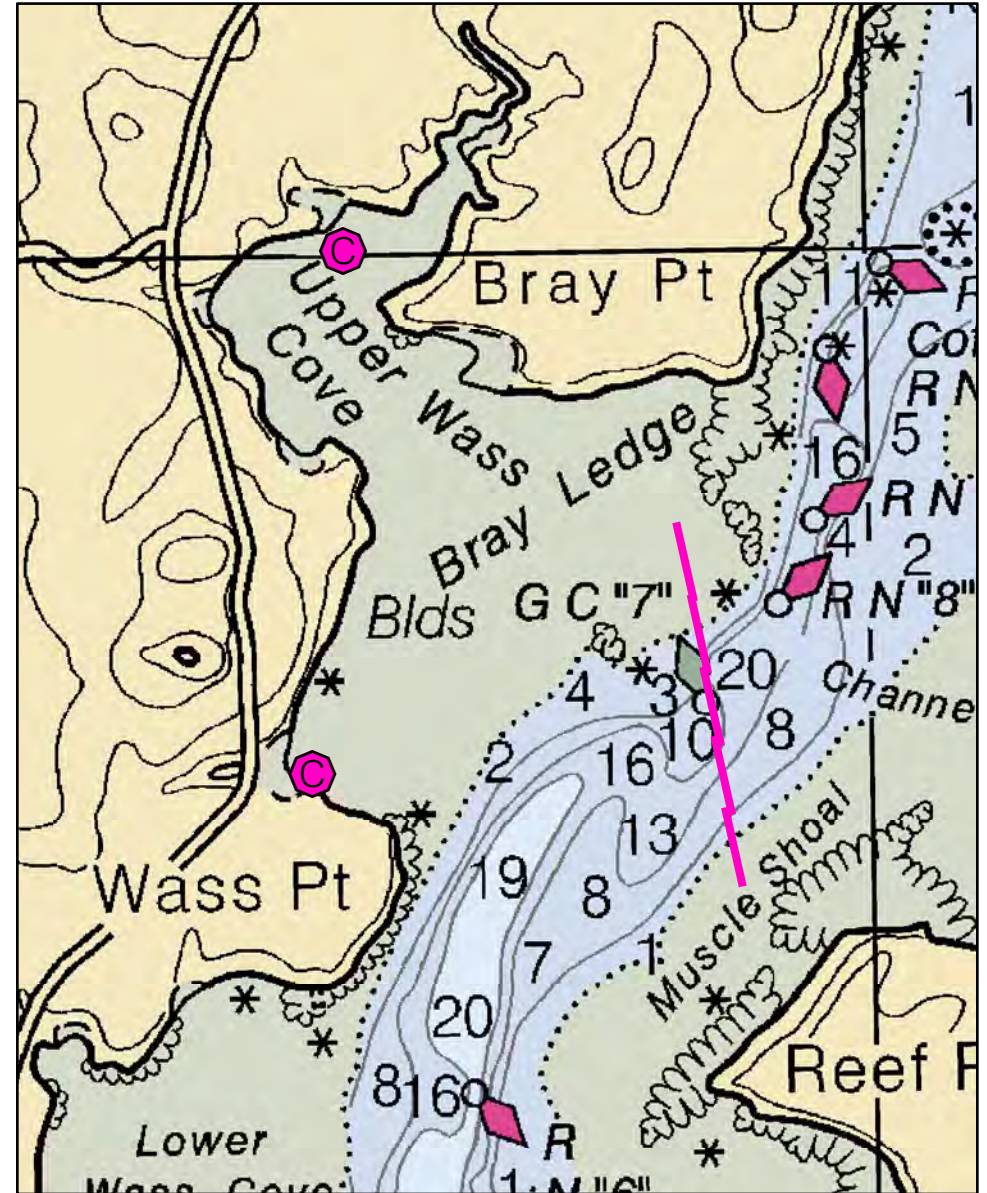
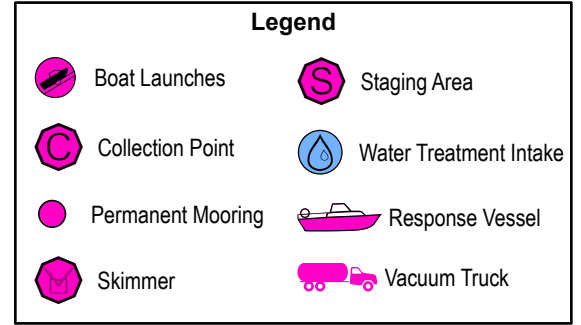
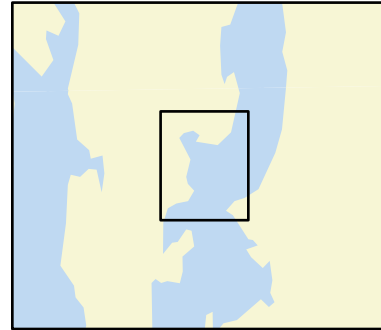
Last Field Test:

D-09-2

Upper Pleasant River Harrington / Addison, ME



Date printed: 9/10/2022 7:54 PM



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

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Last Desktop Validation: 5/2/2019

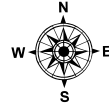
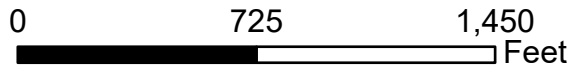
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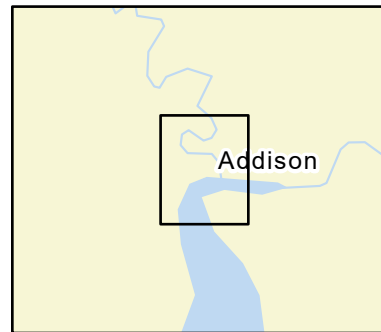
D-09-3

Pleasant River / Addison

Addison, ME



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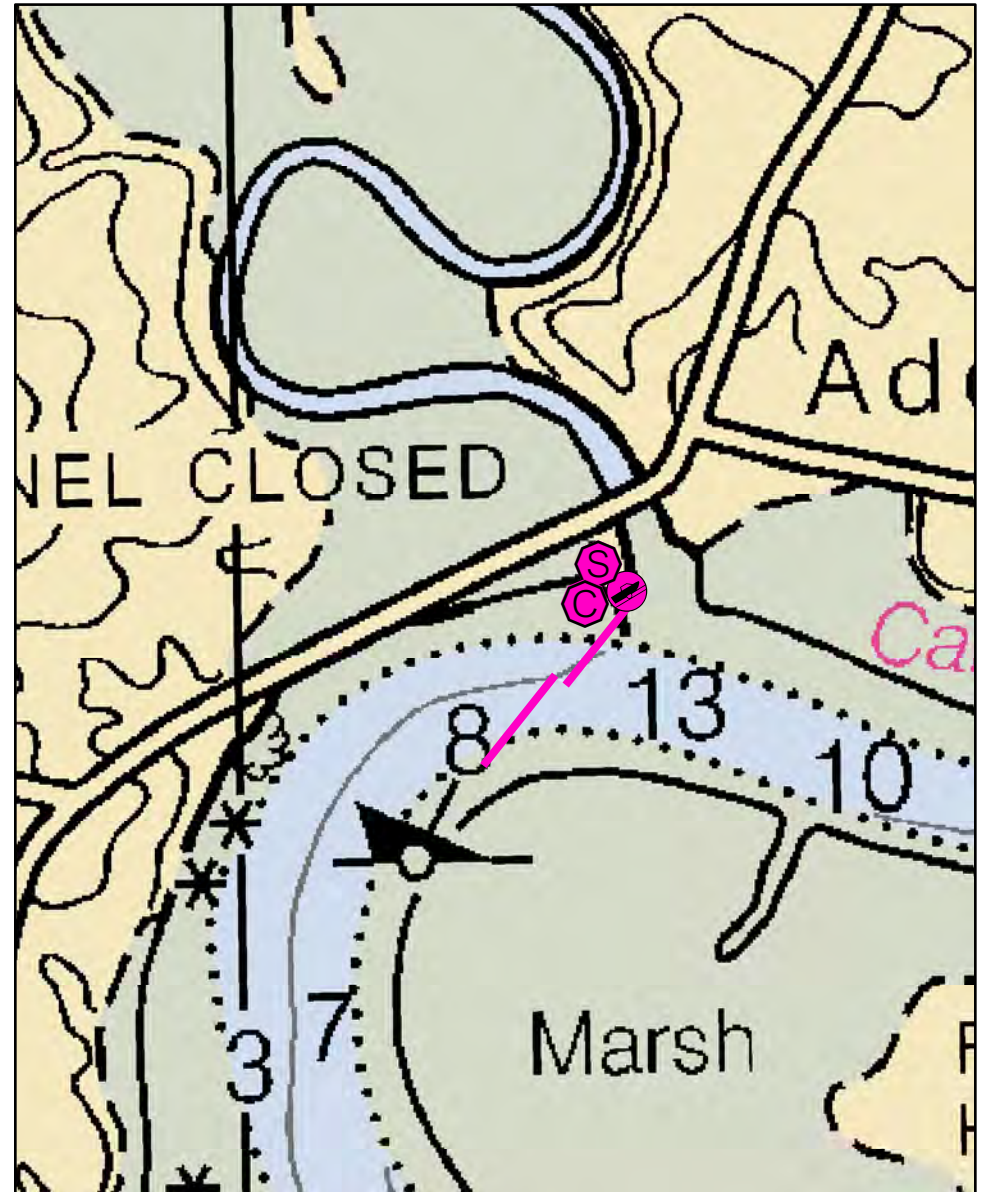


Legend

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



ENDANGERED SPECIES MAY BE PRESENT - SEE NARRATIVE



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

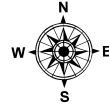
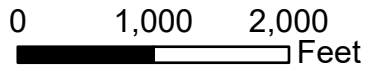
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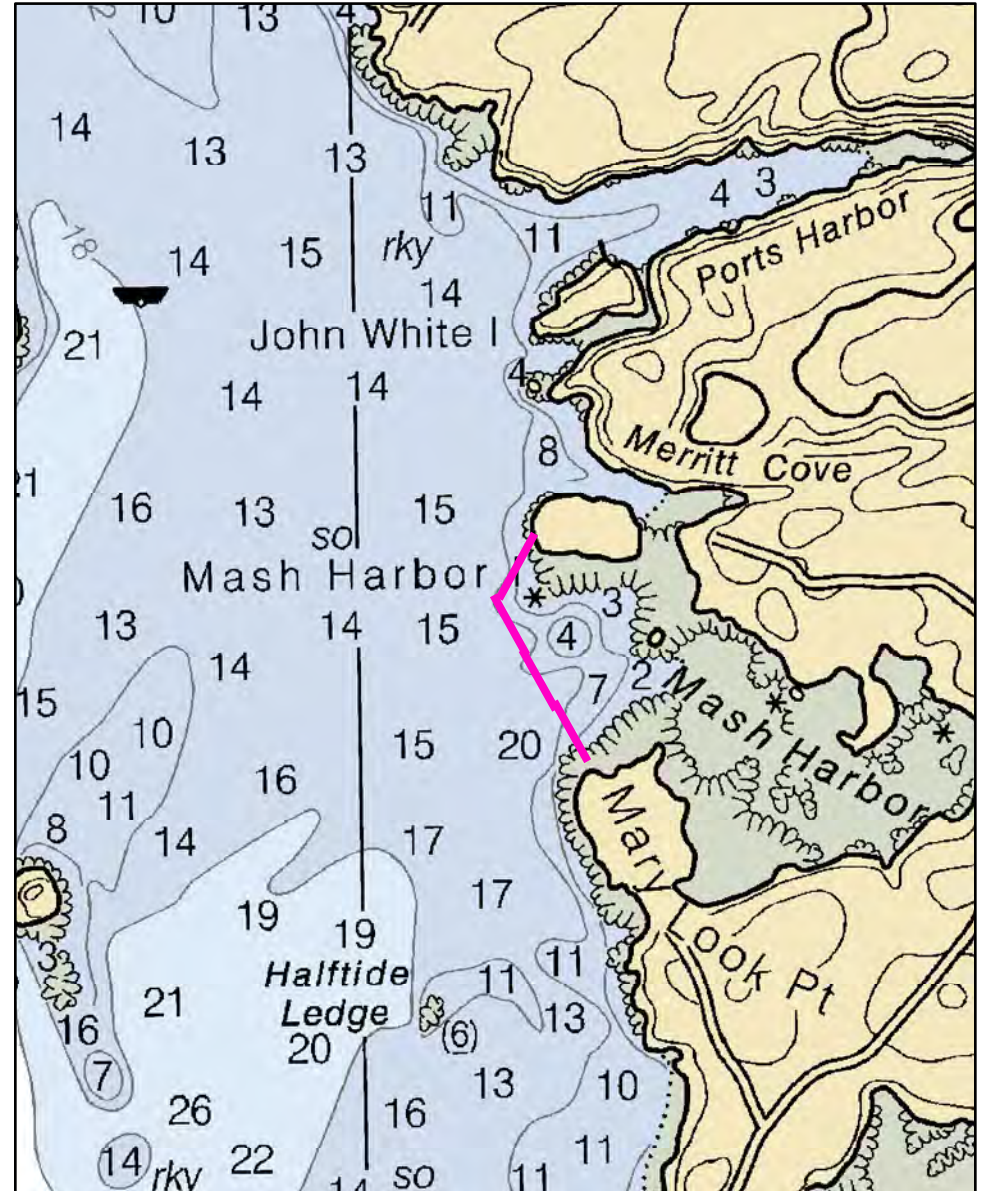
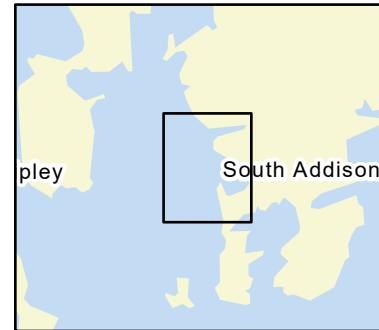
D-10-1

Mash Harbor

Addison, ME



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D-10-1 Mash Harbor

Town	Addison	Port Region	Downeast
Latitude	44° 31.486	Longitude	67° 44.729
Approx. Tidal Range (feet)	12	NOAA Chart #	13324_1
Max Current (knots)	Flood < 1 knot	ESI Map #	12D, 18B
	Ebb	EVI Map #	79
Source	Local knowledge estimate	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

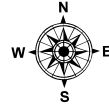
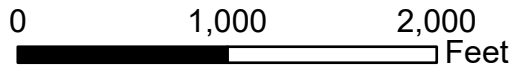
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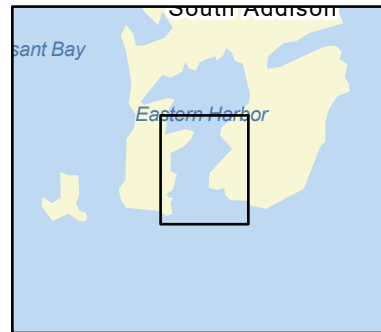
D-11-1

Eastern Harbor

Addison, ME

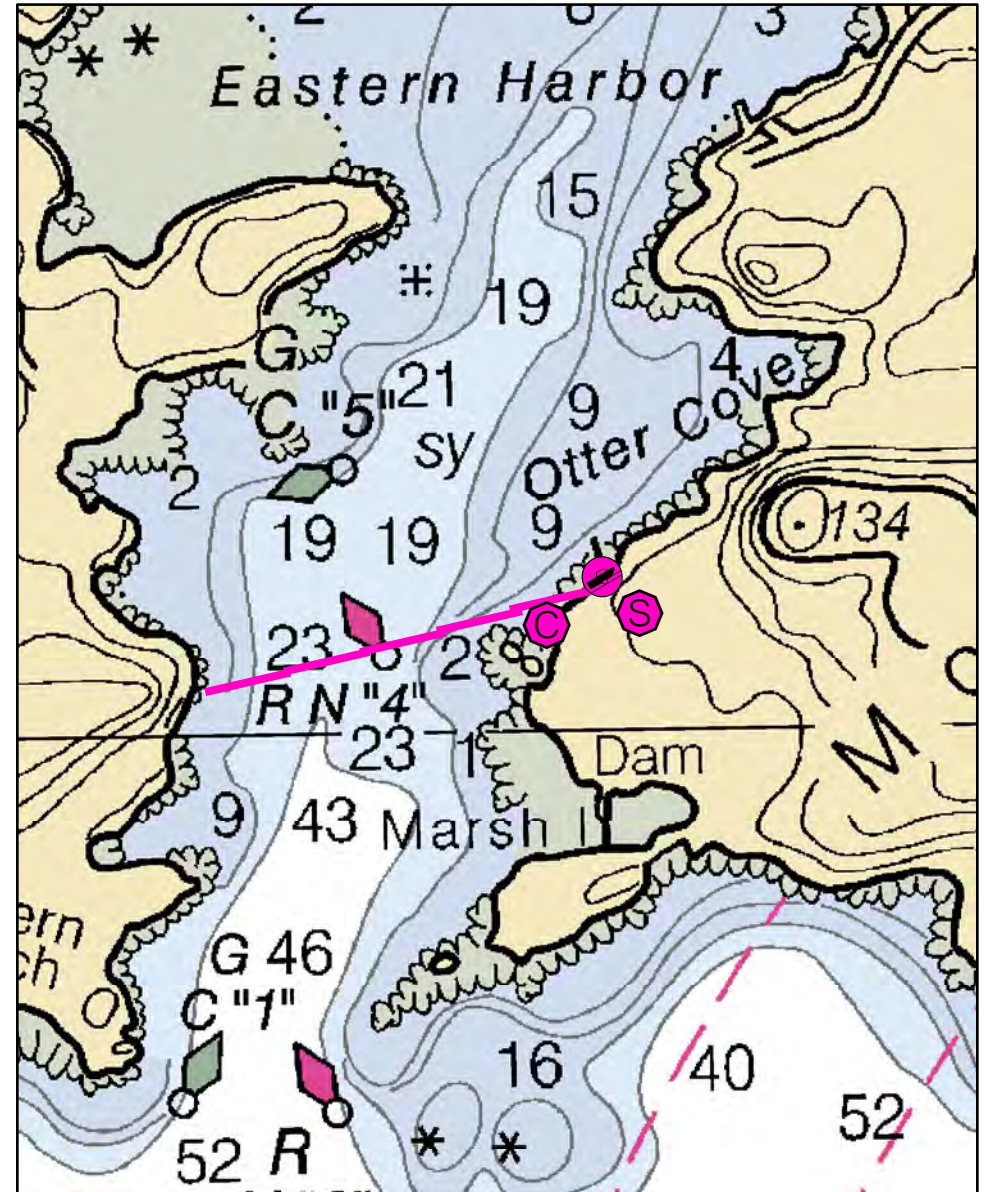


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Legend

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



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.

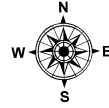
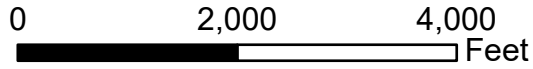
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Last Field Visit: 6/27/2007

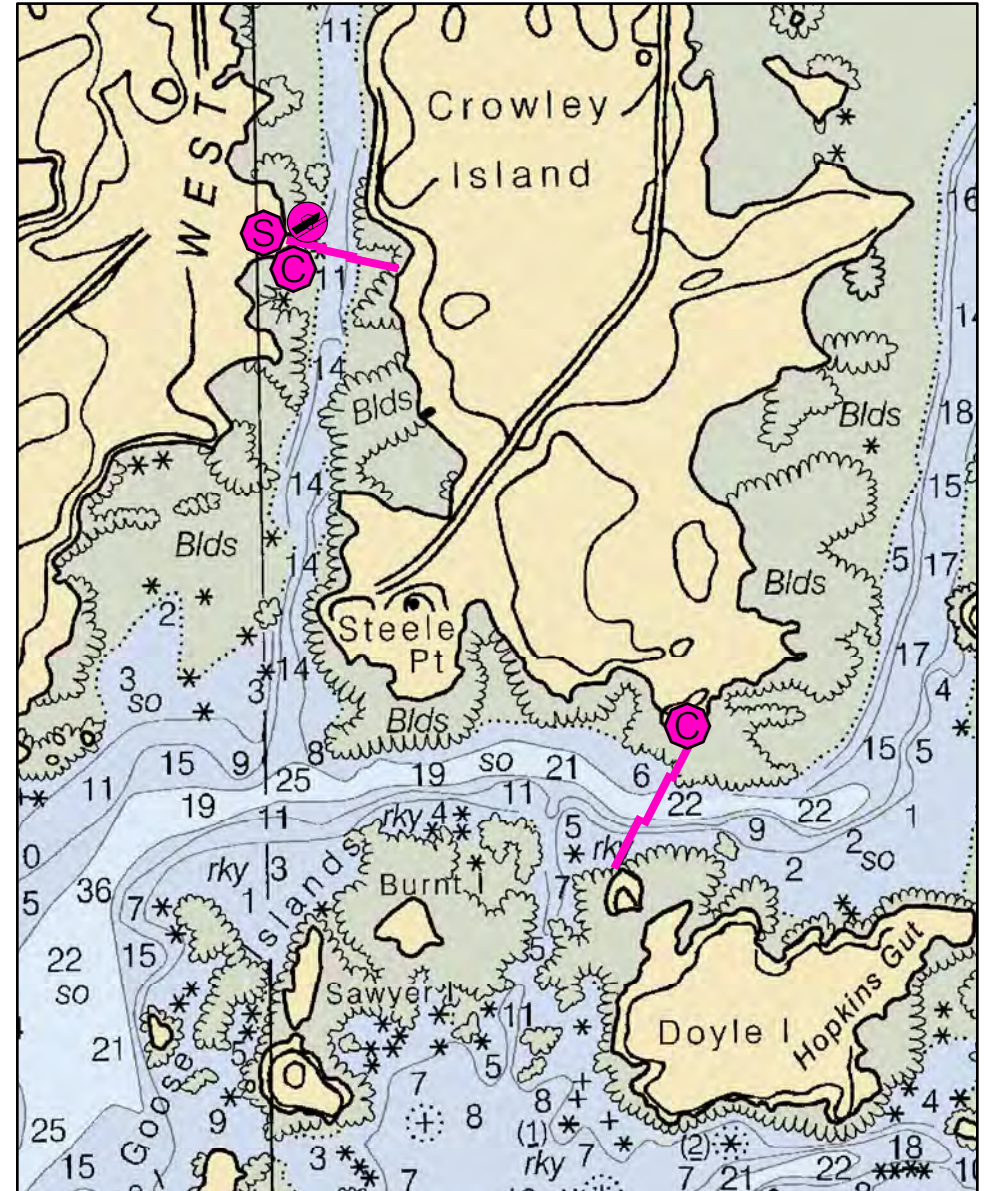
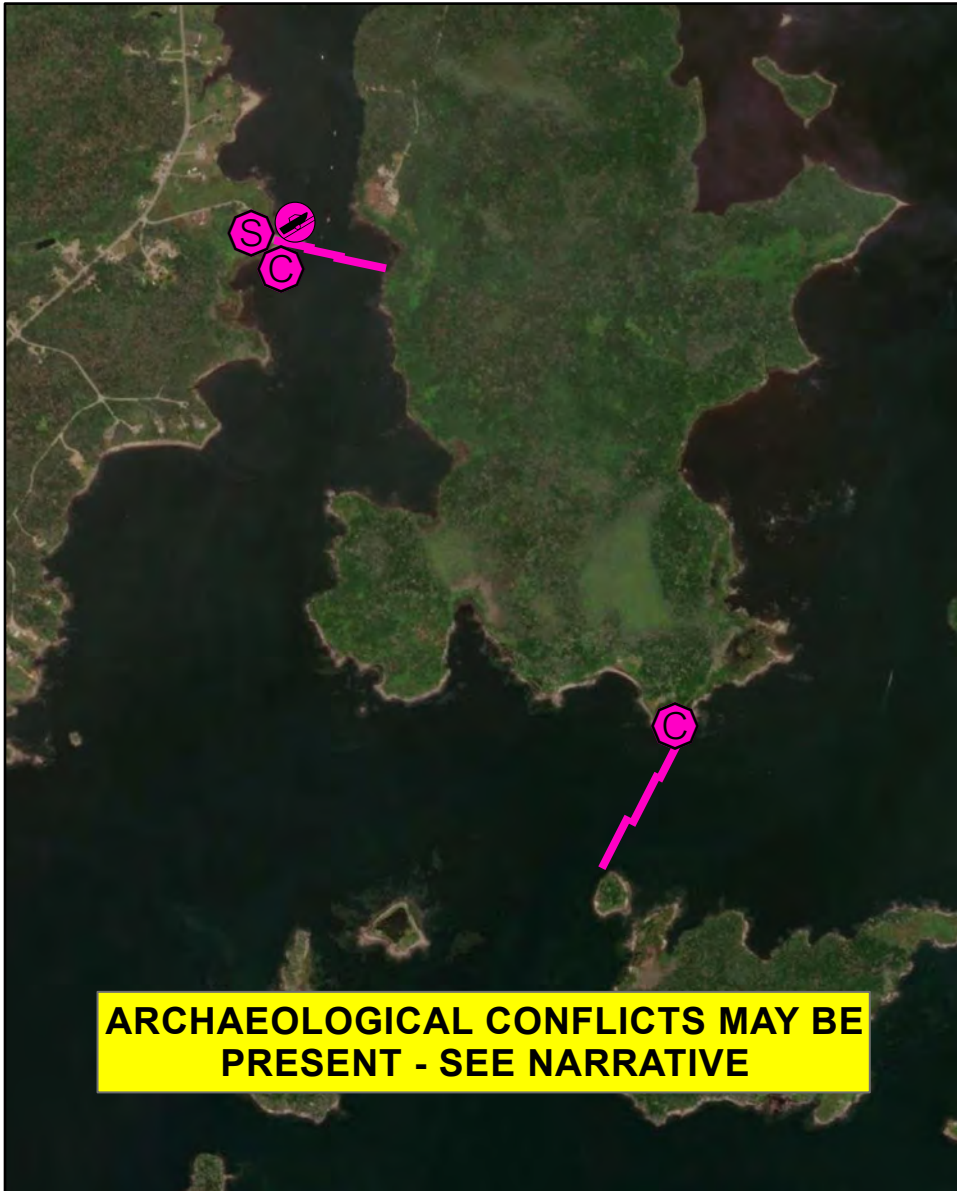
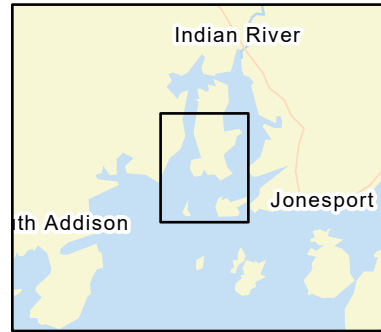
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D-12-1

Wohoa Bay: Indian and West Rivers Addison, ME



Date printed: 9/10/2022 7:54 PM



D-12-1 Wohoa Bay: Indian & West Rivers

Town	Addison	Port Region	Downeast
Latitude	44° 32.250' N	Longitude	67° 39.390' W
Approx. Tidal Range (feet)	12	NOAA Chart #	13326_1
Max Current (knots)	Flood	ESI Map #	12C
Source	Ebb	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

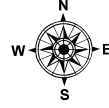
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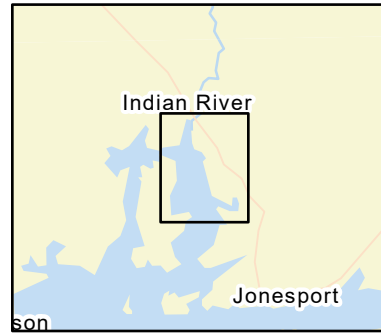
D-12-2

Wohoa Bay: Indian River Jonesport, ME

0 1,000 2,000
Feet

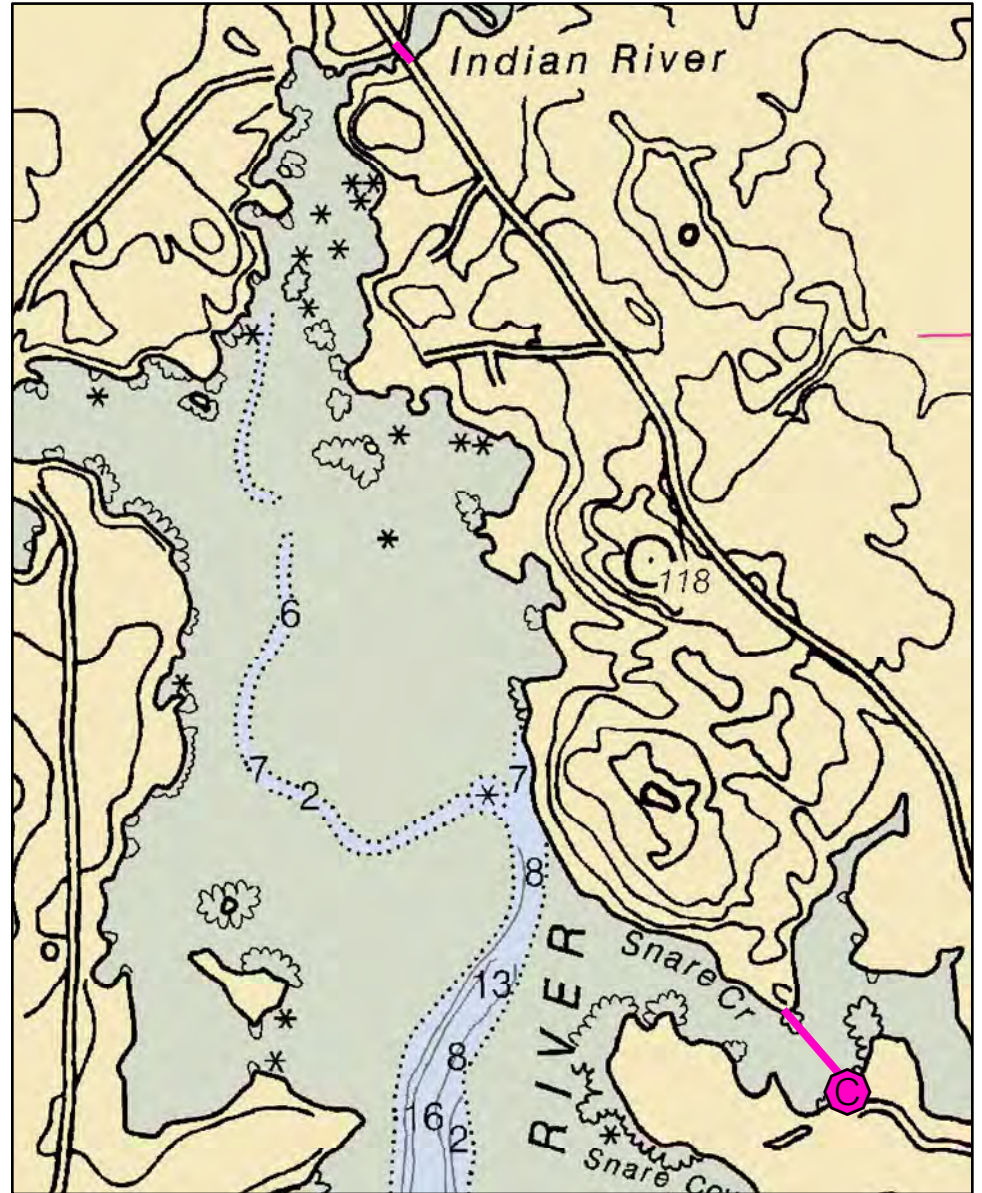
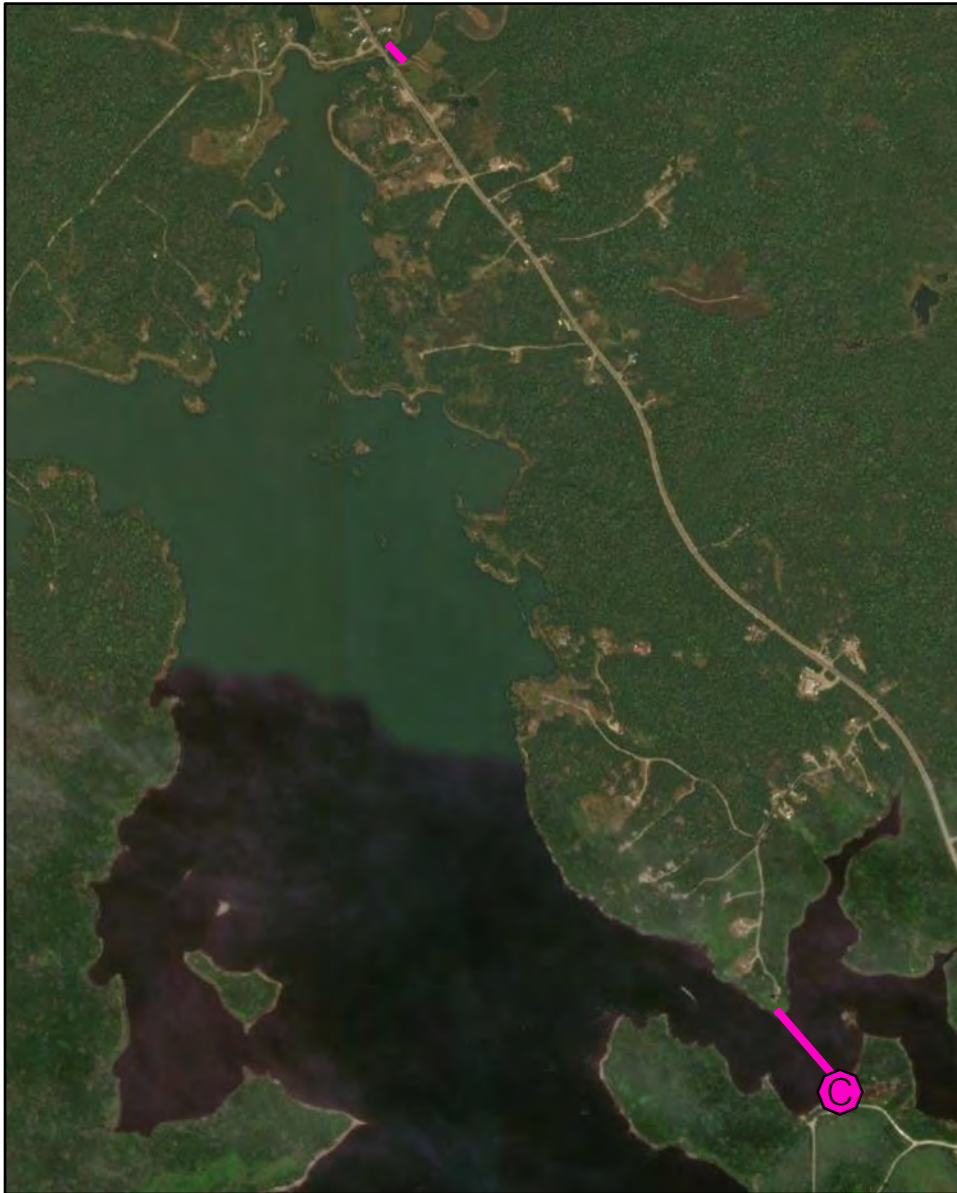


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Legend

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



D-12-2 Wohoa Bay: Indian River

Town Addison / Jonesport

Port Region Downeast

Latitude 44° 33.49' N **Longitude** 67° 38.647' W

NOAA Chart # 13326_1

Approx. Tidal Range (feet) Tidal flat

ESI Map # 12C

Max Current (knots) Flood Ebb

EVI Map # 84

Source **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:

Indian River at Rte. 187:

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

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

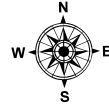
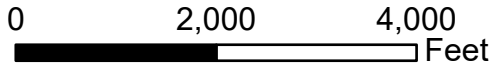
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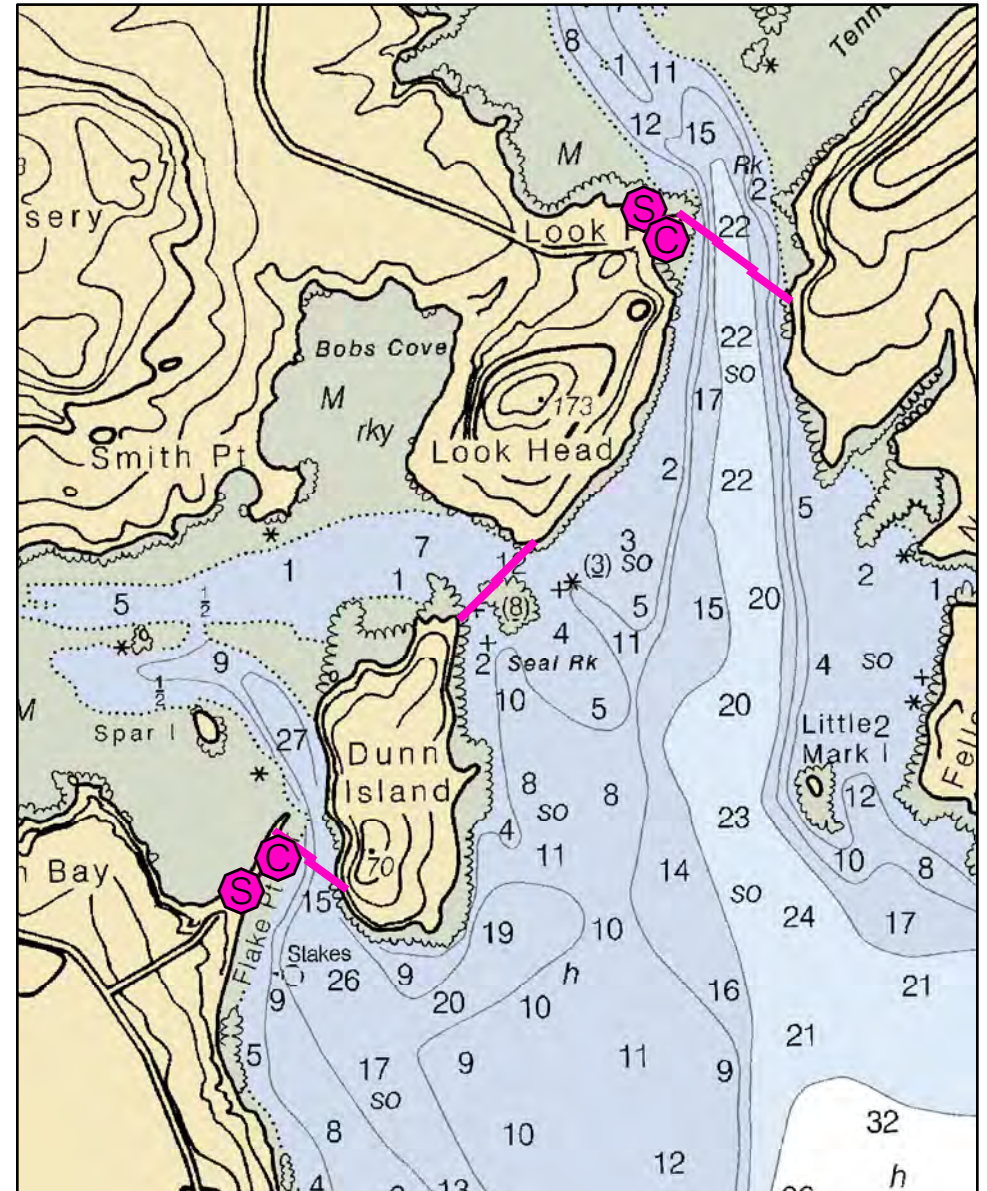
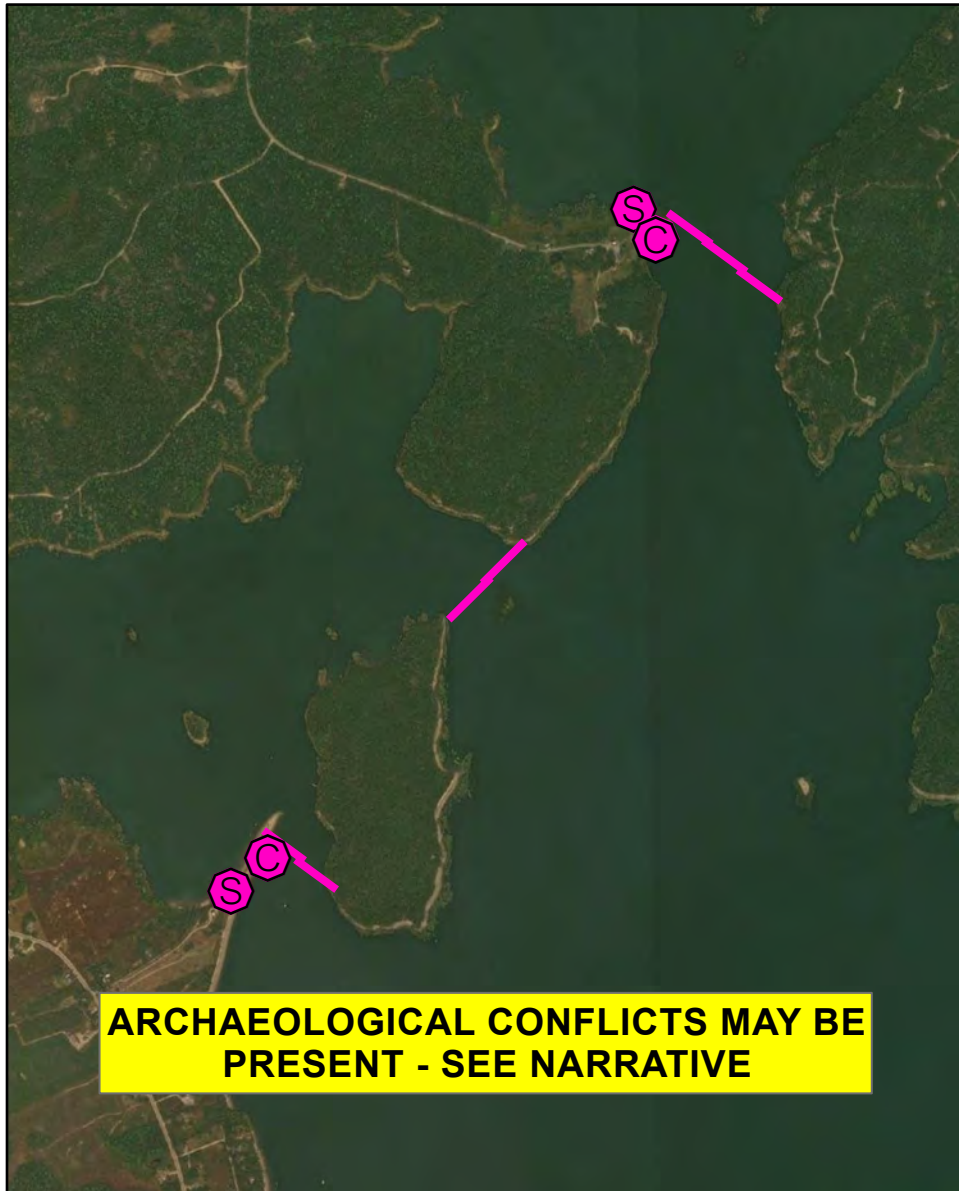
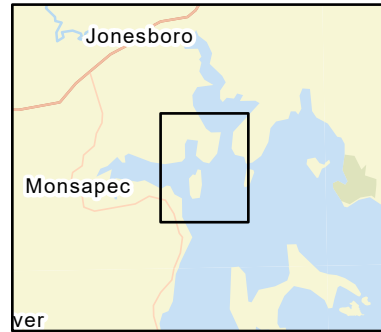
D-13-1

Mason Bay & Chandler River

Jonesboro / Jonesport / Roque Bluffs, ME



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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

Port Region Downeast

Latitude 44° 37.825' N **Longitude** 67° 33.046' W

NOAA Chart # 13326_1

Approx. Tidal Range (feet) 12

ESI Map # 11B, 11D

Max Current (knots) Flood Ebb

EVI Map # 85

Source **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.

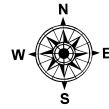
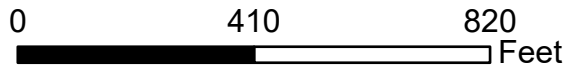
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Last Field Visit: 6/26/2007

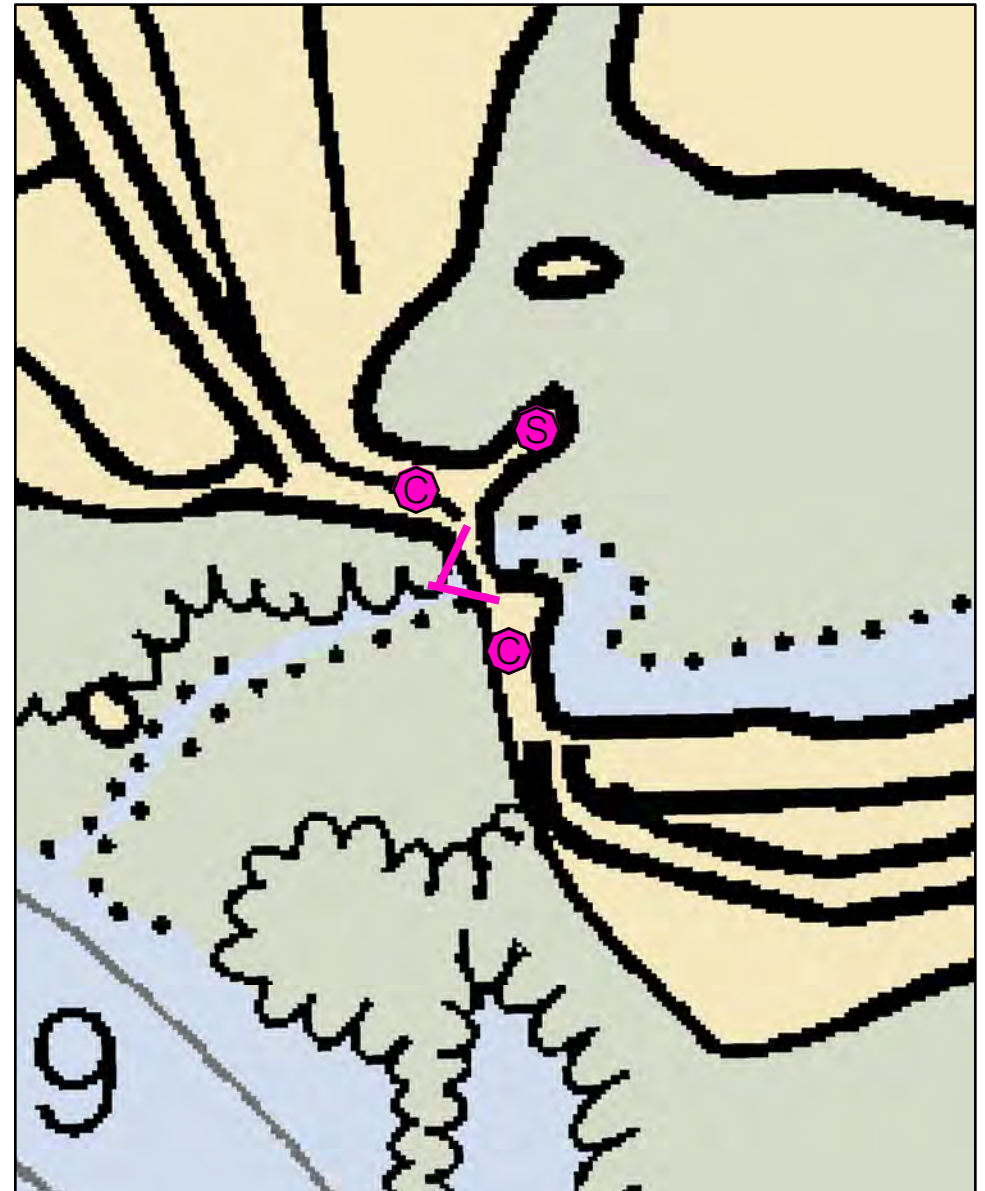
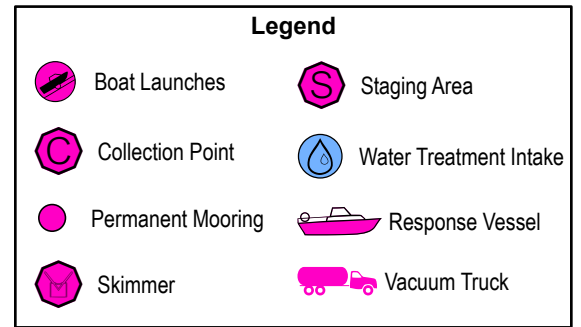
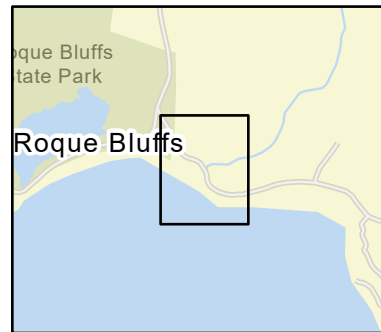
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D-14-1

Roque Bluffs: Englishman River Roque Bluffs, ME



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D-14-1 Roque Bluffs: Englishman River

Town	Roque Bluffs	Port Region	Downeast
Latitude	44° 36.570' N	Longitude	67° 28.716' W
Approx. Tidal Range (feet)	12	NOAA Chart #	13326_1
Max Current (knots)		ESI Map #	11D, 11C
Source		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

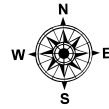
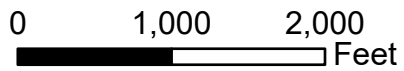
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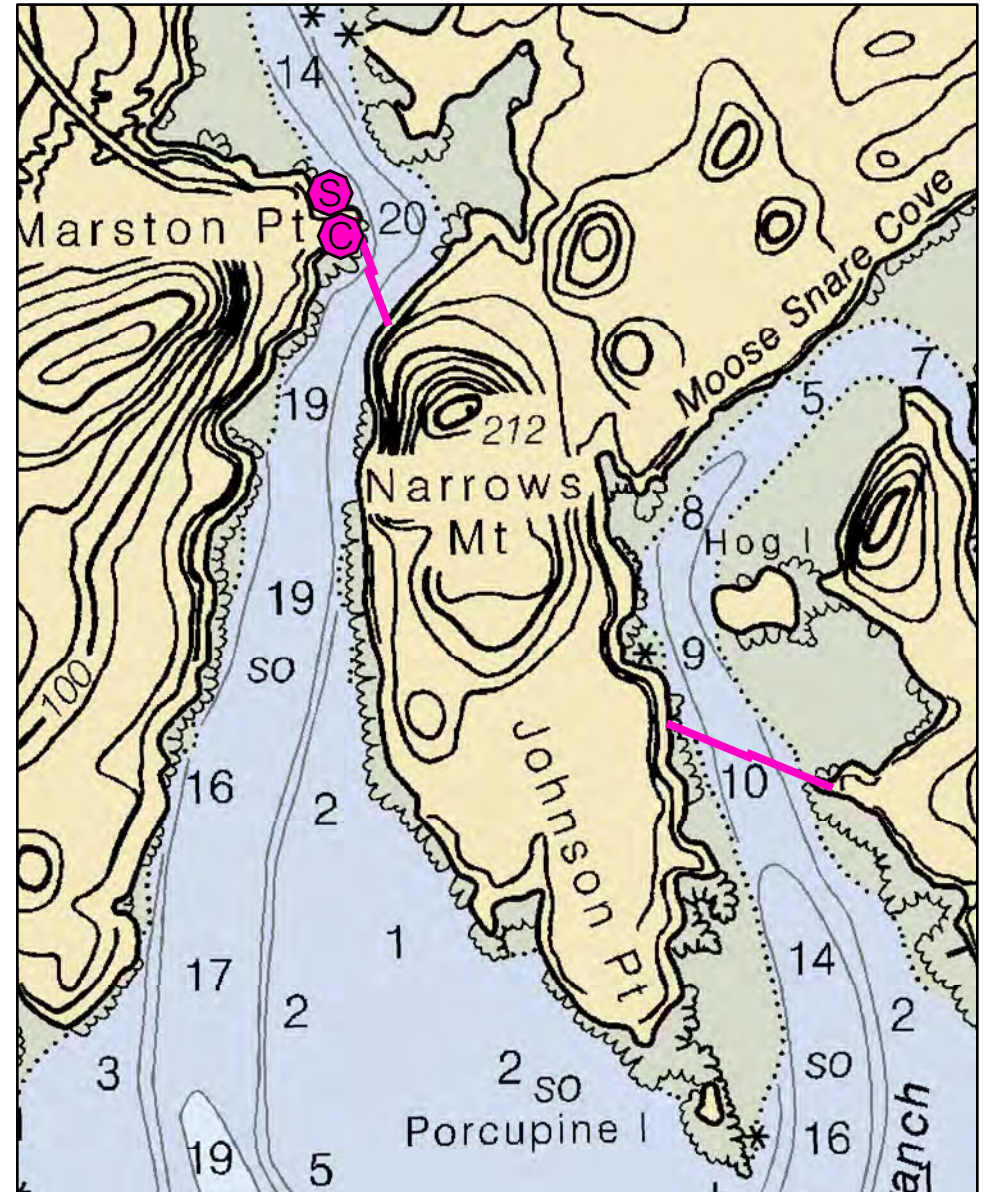
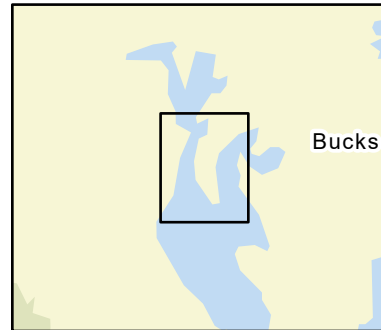
D-15-1

Little Kennebec Bay

Machias / Machiasport, ME



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D-15-1 Little Kennebec Bay

Town Machias / Machiasport

Port Region Downeast

Latitude 44° 39.068' N **Longitude** 67 26.348' W

NOAA Chart # 13326_1

Approx. Tidal Range (feet) 12

ESI Map # 11A

Max Current (knots) Flood Ebb

EVI Map # 86, 85

Source **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

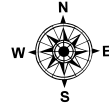
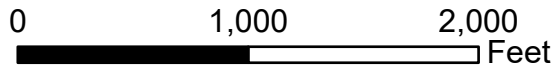
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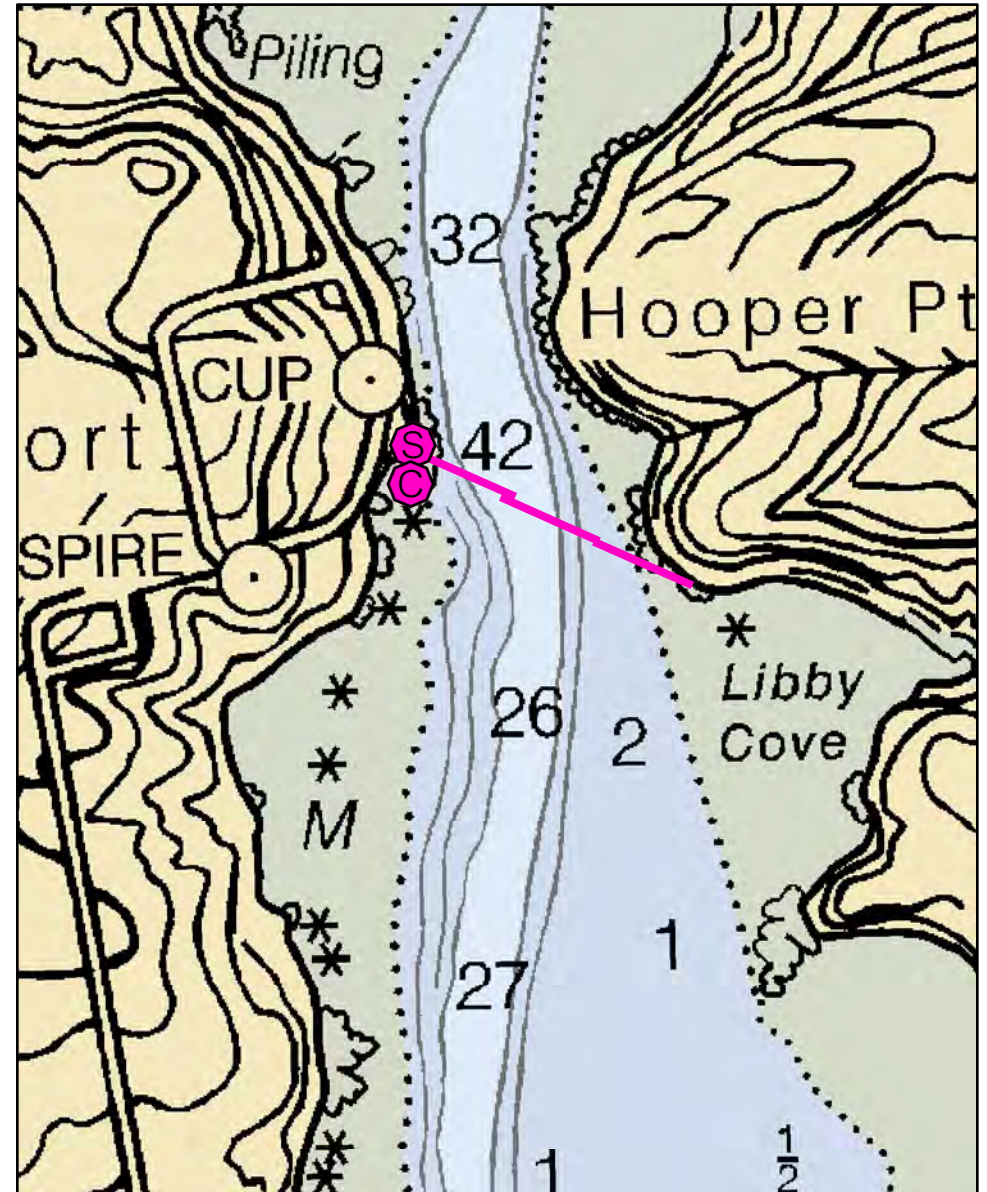
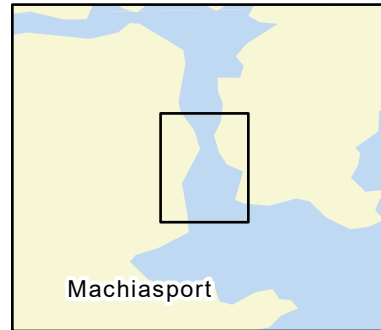
D-16-1

Machias River

Machiasport, ME



Date printed: 9/10/2022 7:54 PM



D-16-1 Machias River

Town	Machiasport	Port Region	Downeast
Latitude	44° 41.814' N	Longitude	67° 26.348' W
Approx. Tidal Range (feet)	12	NOAA Chart #	13326_1
Max Current (knots)	Flood	ESI Map #	11A
Source	Ebb	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

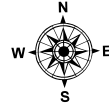
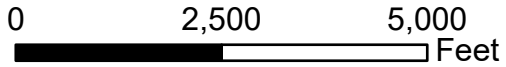
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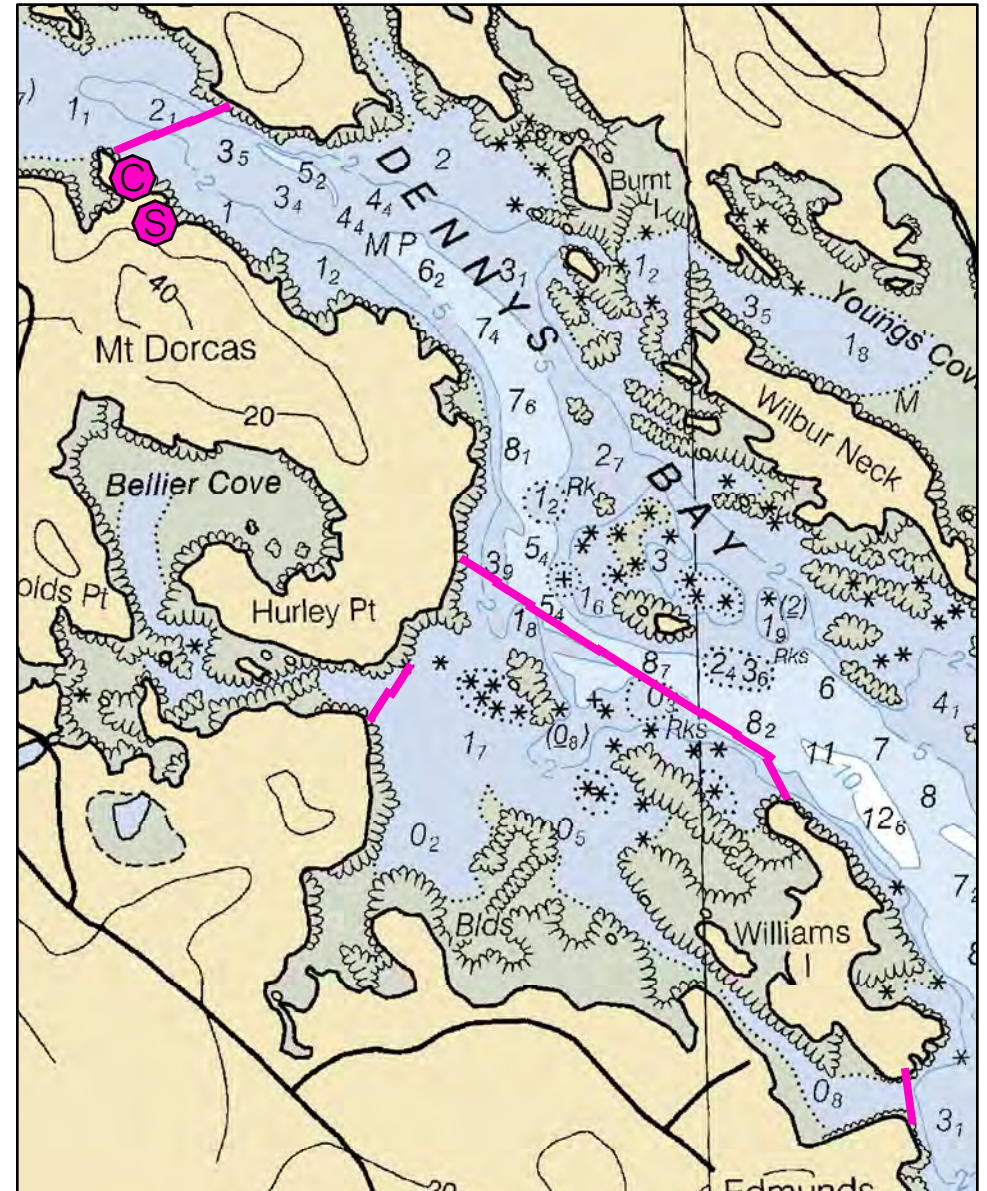
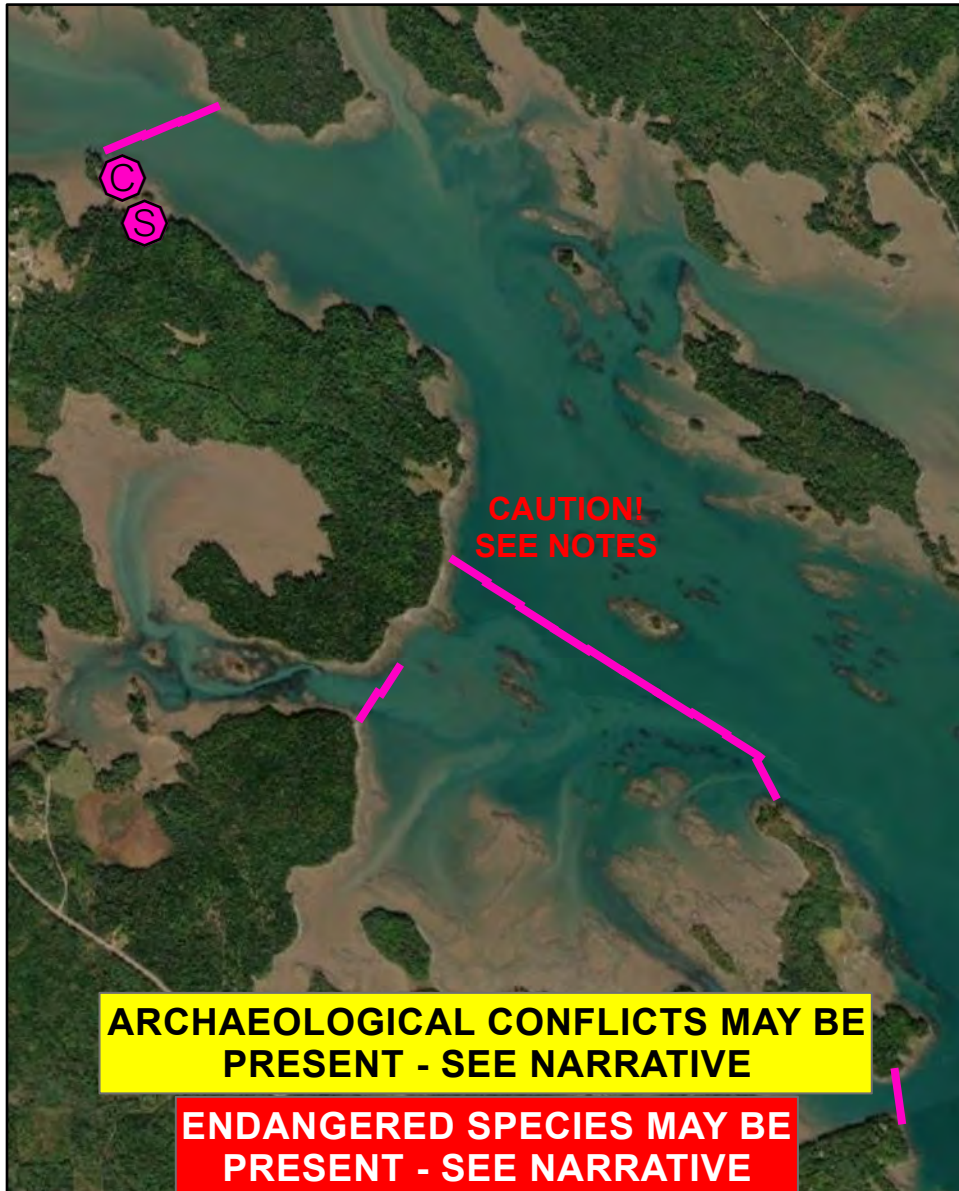
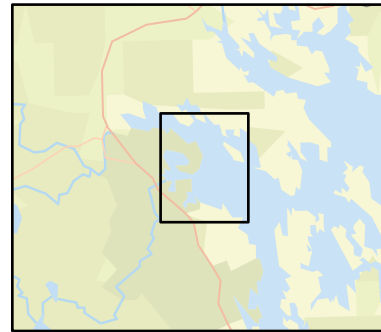
D-17-1

Dennys Bay

Edmunds Township, ME



Date printed: 9/10/2022 7:54 PM



D-17-1 Dennys Bay

Town Edmunds Twp

Port Region Downeast

Latitude 44° 53.707' N **Longitude** 67° 10.109' W

NOAA Chart # 13394_1

Approx. Tidal Range (feet) 12

ESI Map # 5A, 4B

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

EVI Map # 94

Source **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

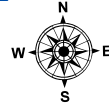
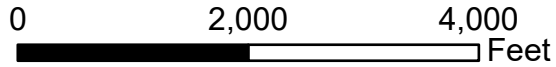
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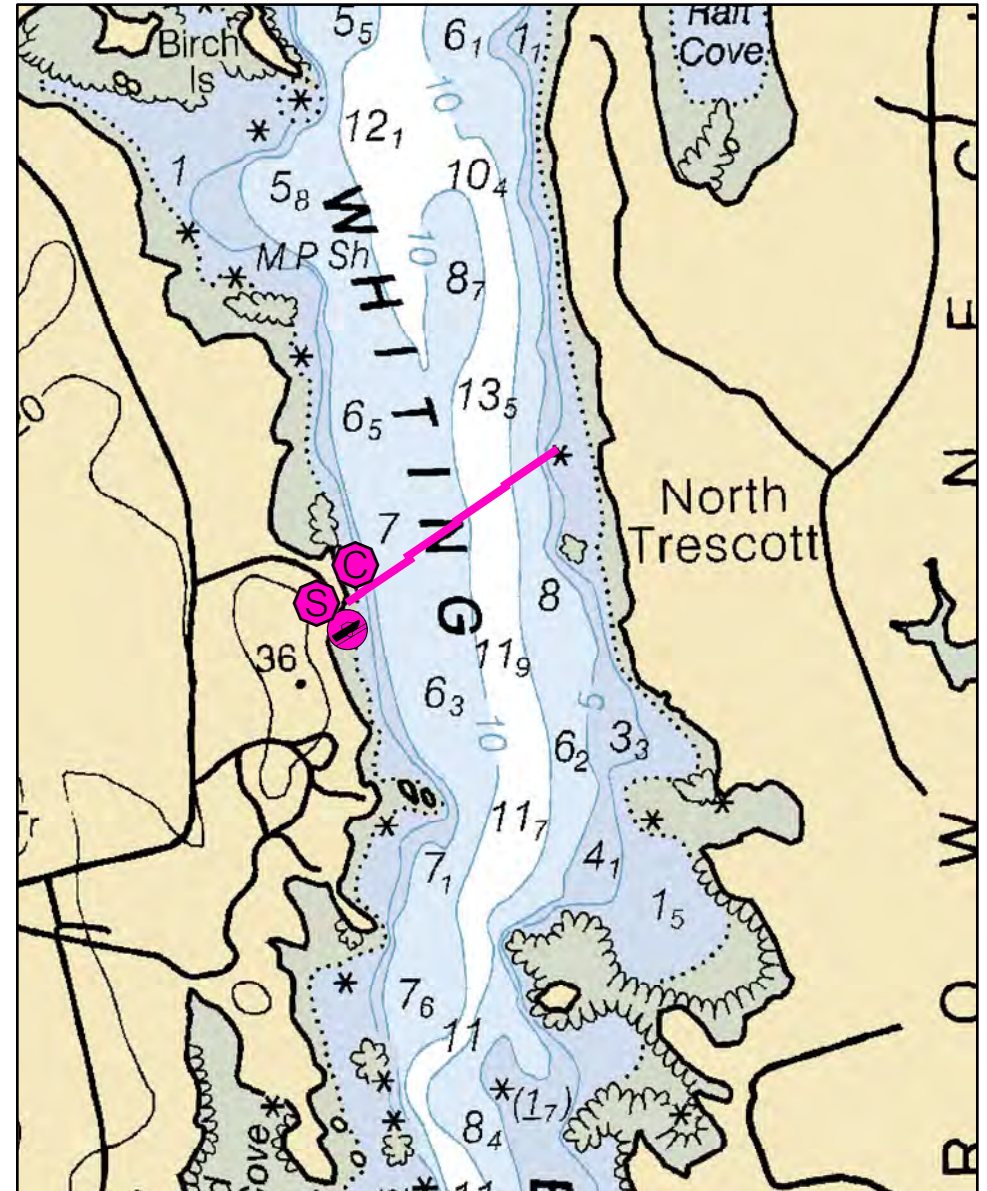
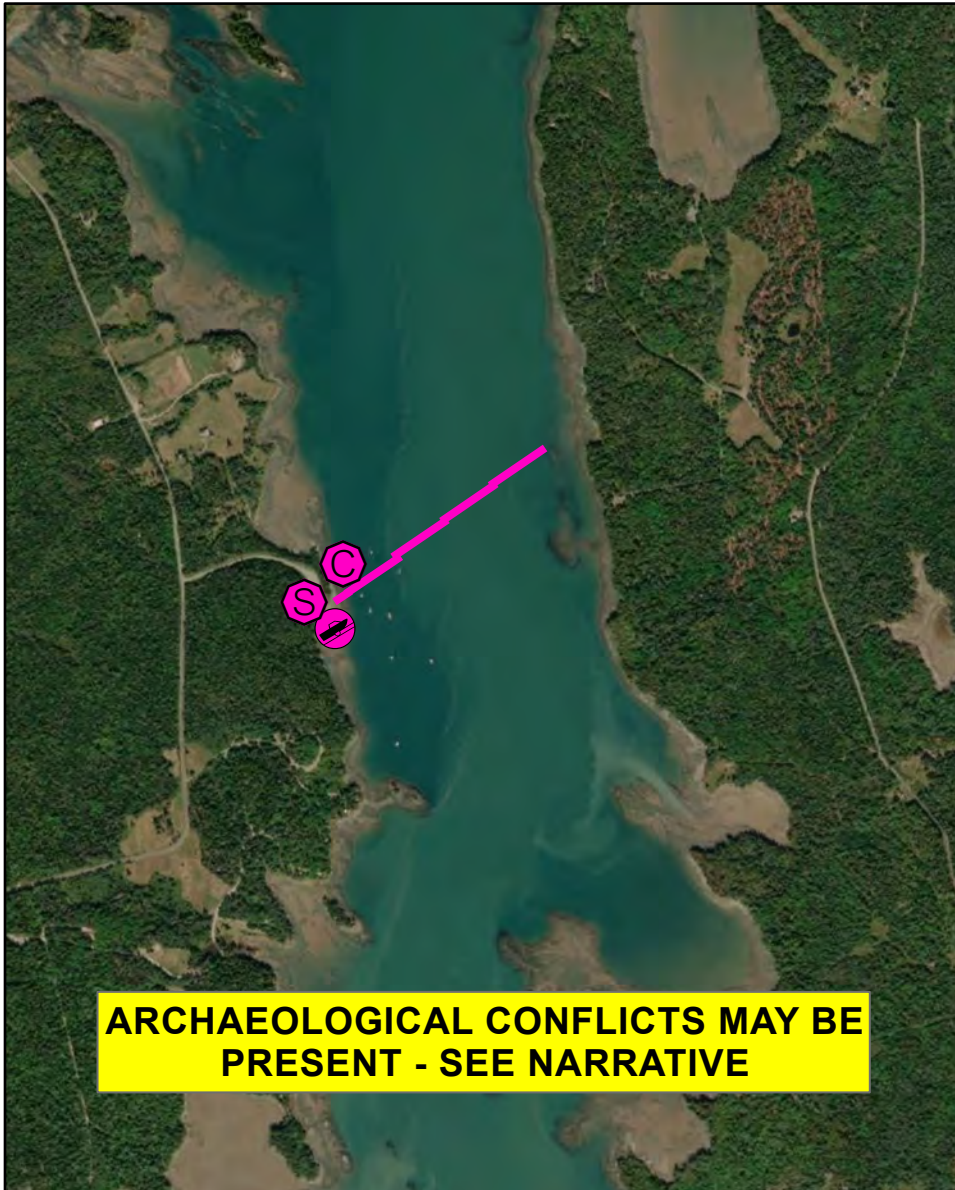
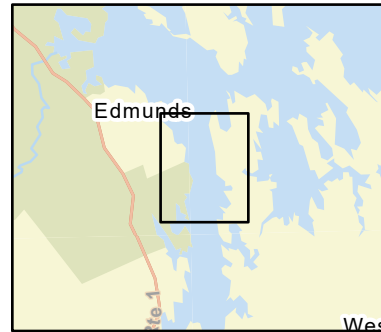
D-18-1

Whiting Bay

Edmunds Township / Trescott Township, ME



Date printed: 9/10/2022 7:54 PM



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

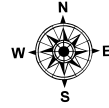
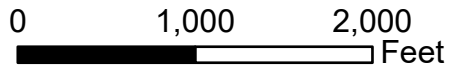
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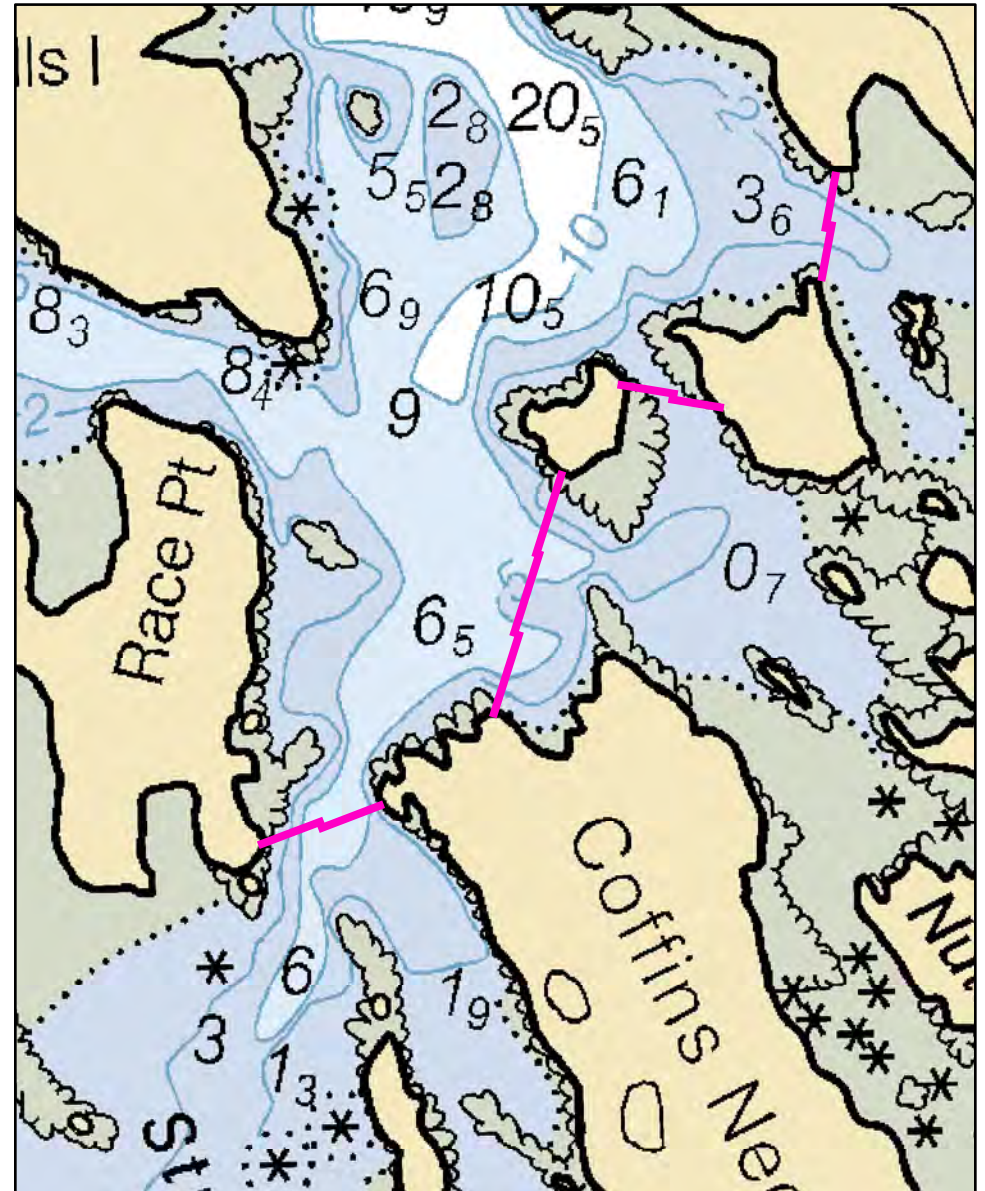
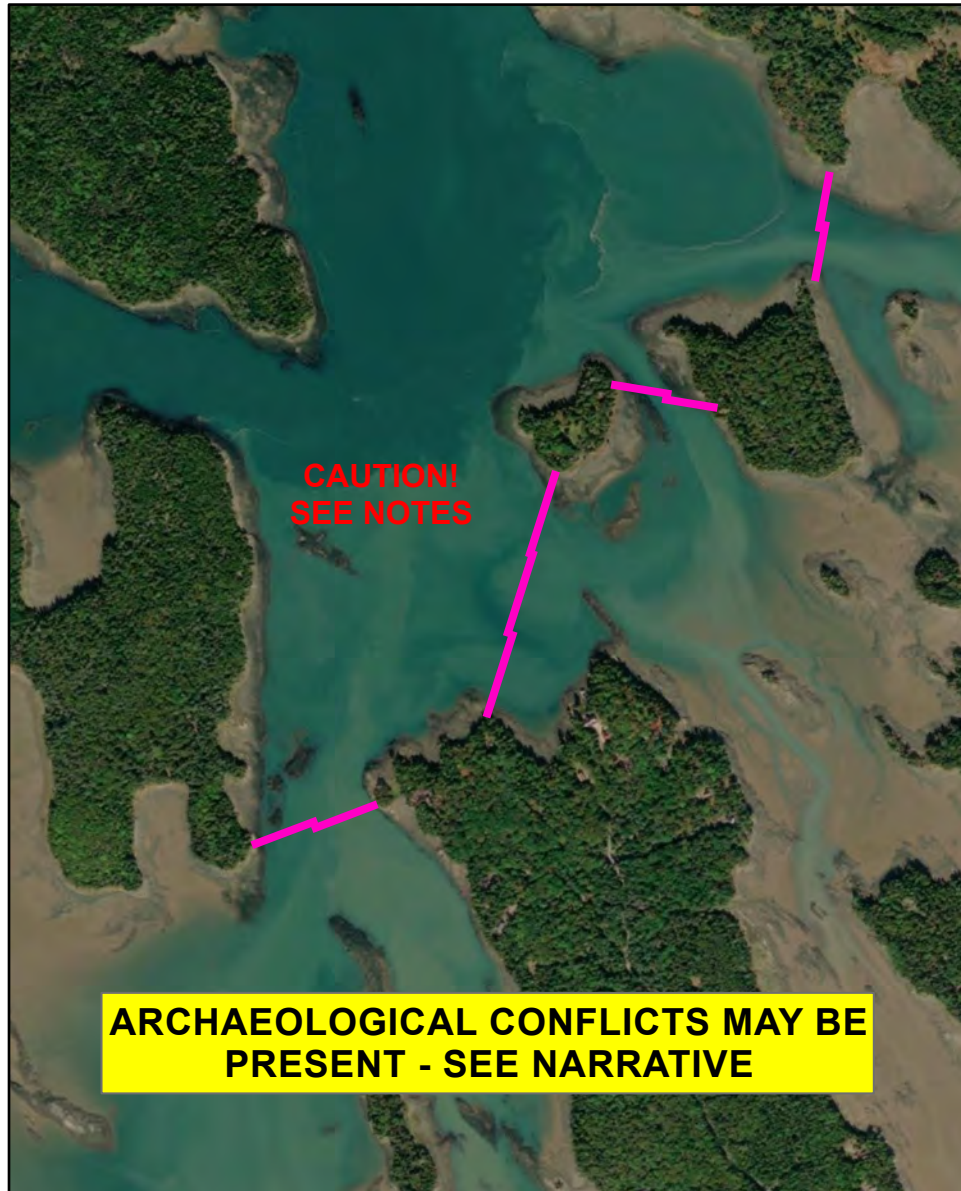
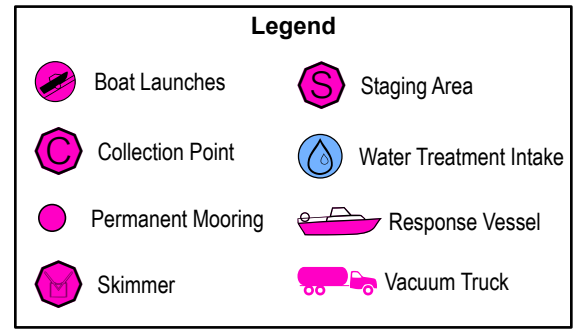
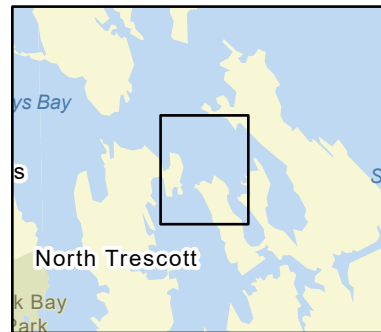
D-19-1

Straight Bay & Nutter Cove

Edmunds Township / Lubec, ME



Date printed: 9/10/2022 7:54 PM



D-19-1 Straight Bay & Nutter Cove

Town Edmunds Twp / Lubec

Port Region Downeast

Latitude 44° 52.654' **Longitude** 67° 6.456'

NOAA Chart # 13394_1

Approx. Tidal Range (feet) 19

ESI Map # 4B

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

EVI Map # 95

Source **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 Coffin 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

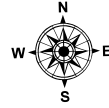
Last Field Visit

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D-20-1

South Bay & Federal Harbor Lubec, ME

0 1,000 2,000
Feet

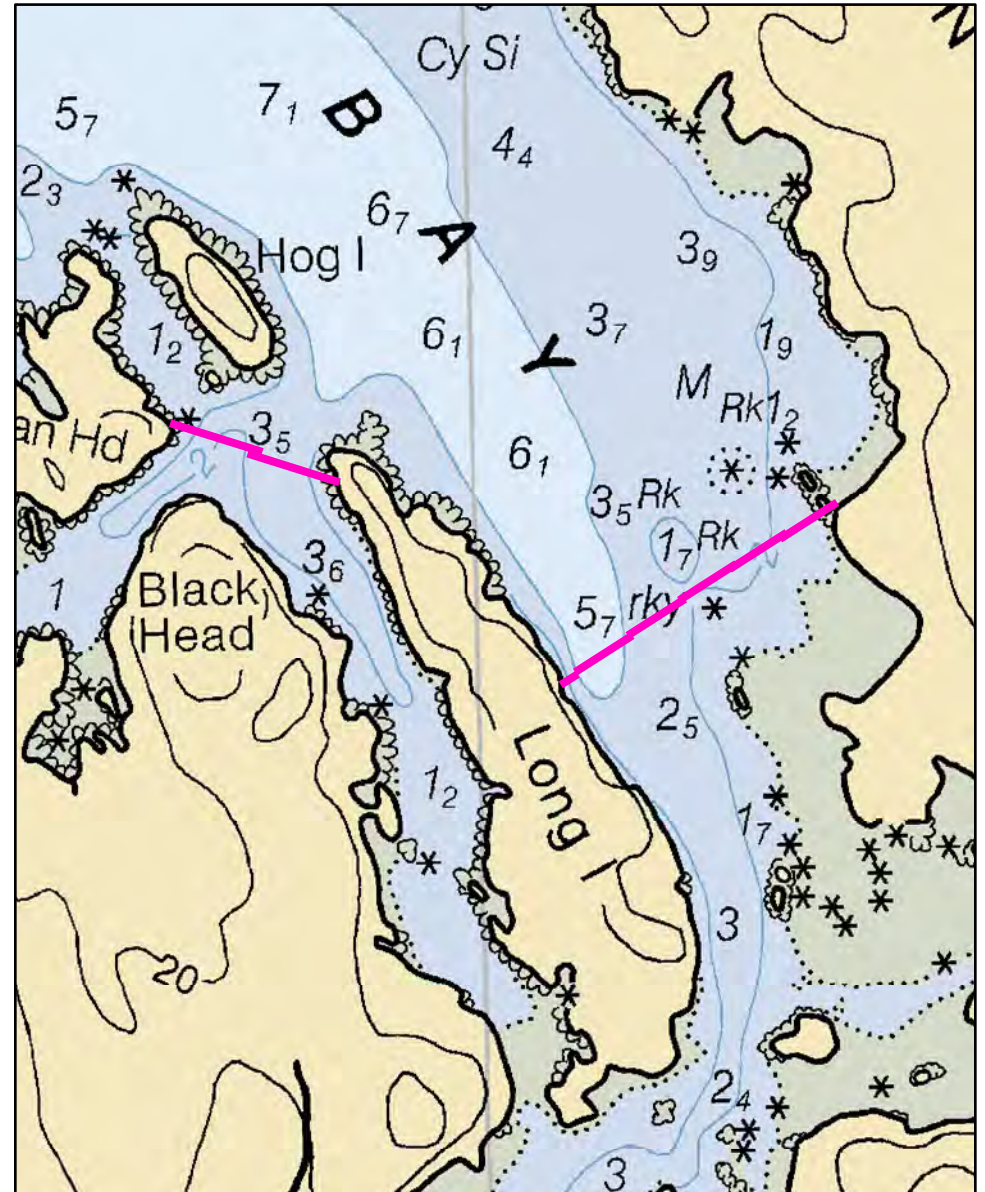


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Legend

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



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.

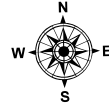
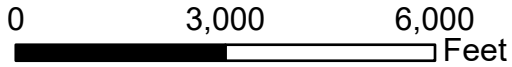
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Last Field Visit 6/14/2007

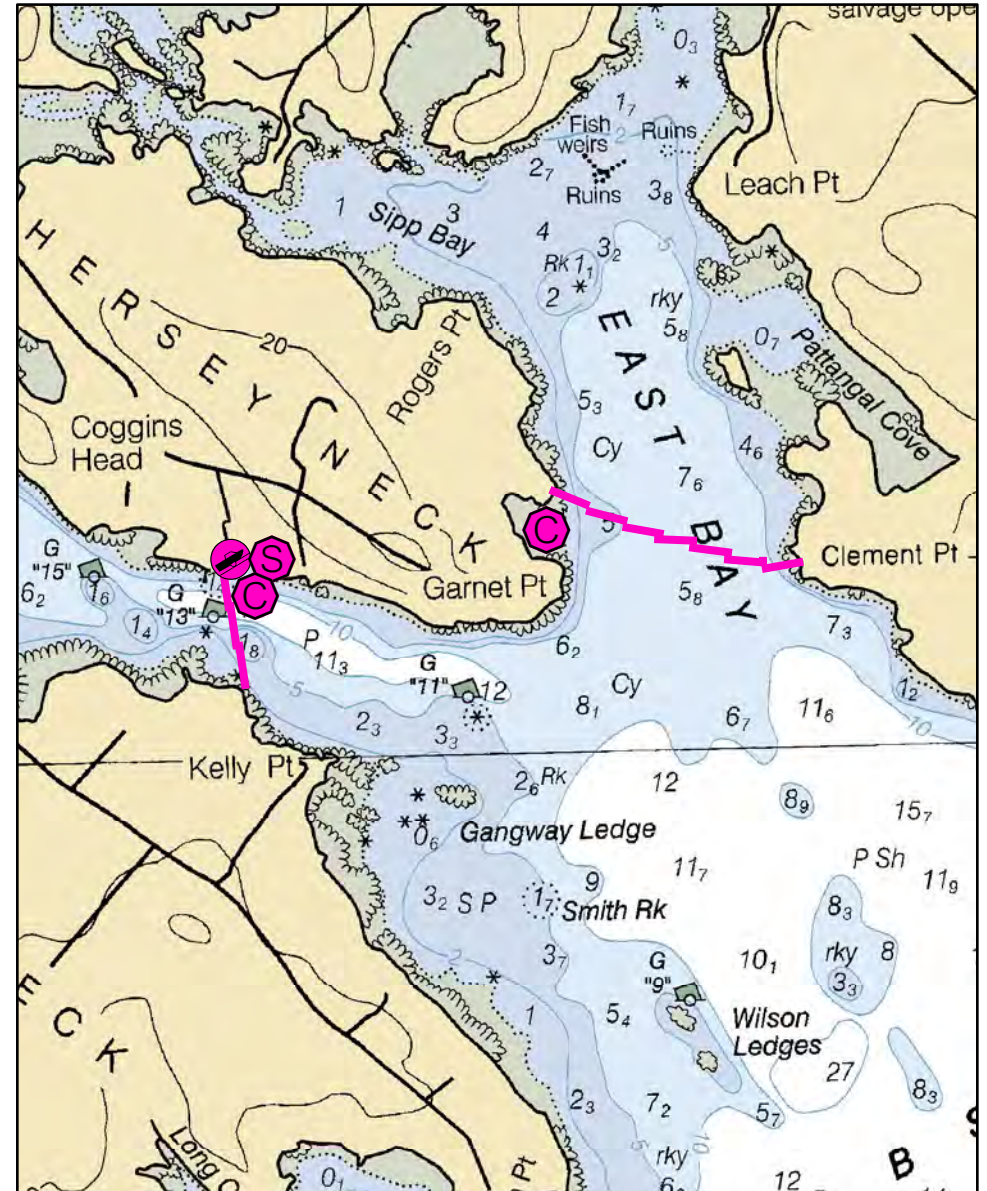
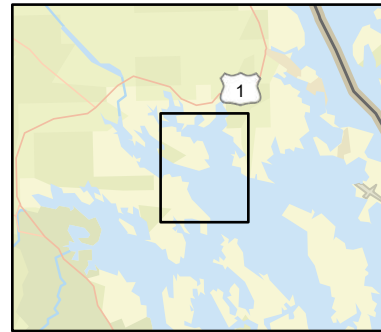
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D-21-1

Pennamaquan River / Sipp Bay Pembroke / Perry, ME



Date printed: 9/10/2022 7:54 PM



D-21-1 Pennamaquan River/Sipps Bay

Town Pembroke / Perry

Port Region Downeast

Latitude 44° 55.188' N **Longitude** 67° 6.618' W

NOAA Chart # 13394_1

Approx. Tidal Range (feet) 19

ESI Map # 3C, 4B

Max Current (knots) Flood Ebb

EVI Map # 95

Source Estimated

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

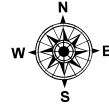
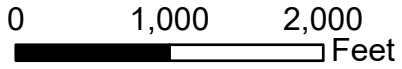
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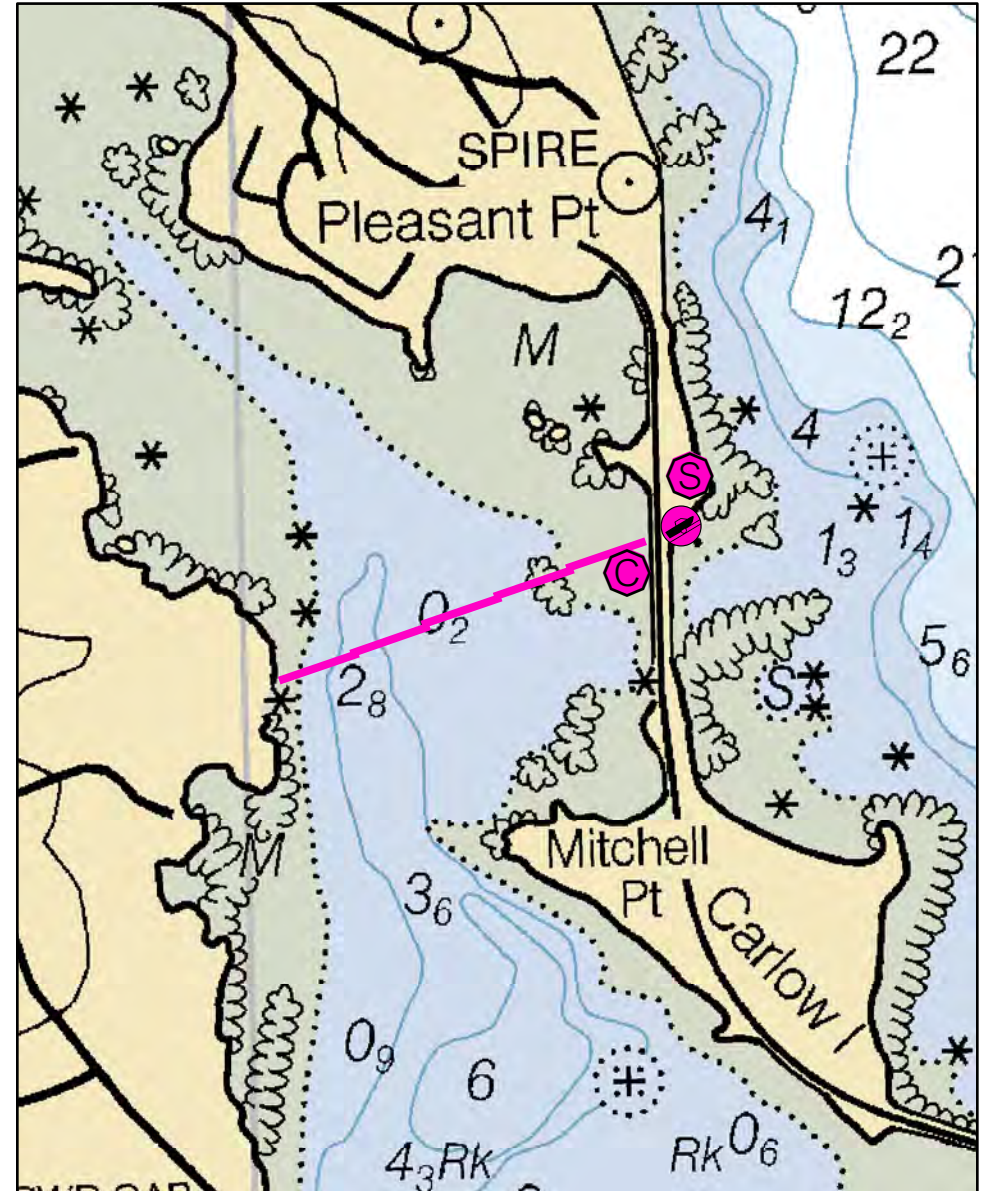
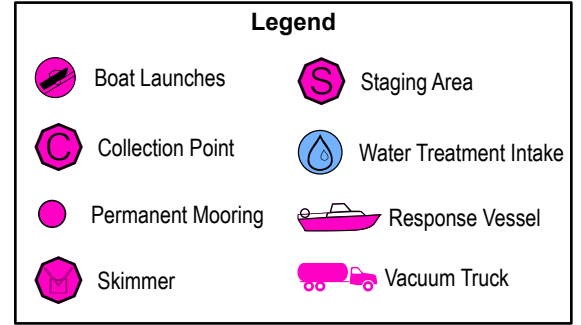
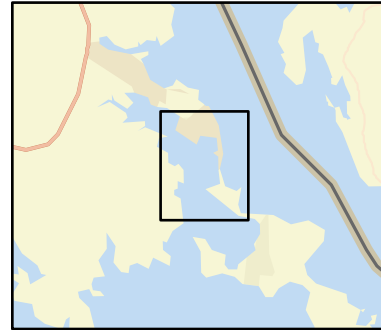
D-22-1

Pleasant Point

Perry / Pleasant Point, ME



Date printed: 9/10/2022 7:54 PM



D-22-1 Pleasant Point

Town Perry / Pleasant Point

Port Region Downeast

Latitude 44° 56.92' N **Longitude** 67° 2.651' W

NOAA Chart # 13394_1

Approx. Tidal Range (feet) 19

ESI Map # 3B

Max Current (knots) Flood Ebb

EVI Map # 95

Source **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

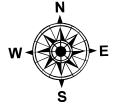
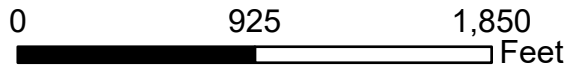
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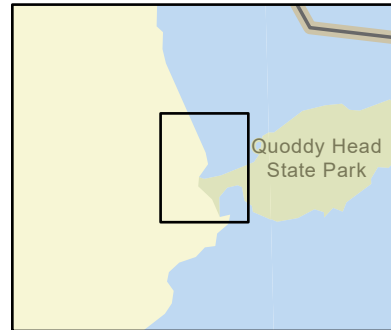
D-23-1

Lubec Flats

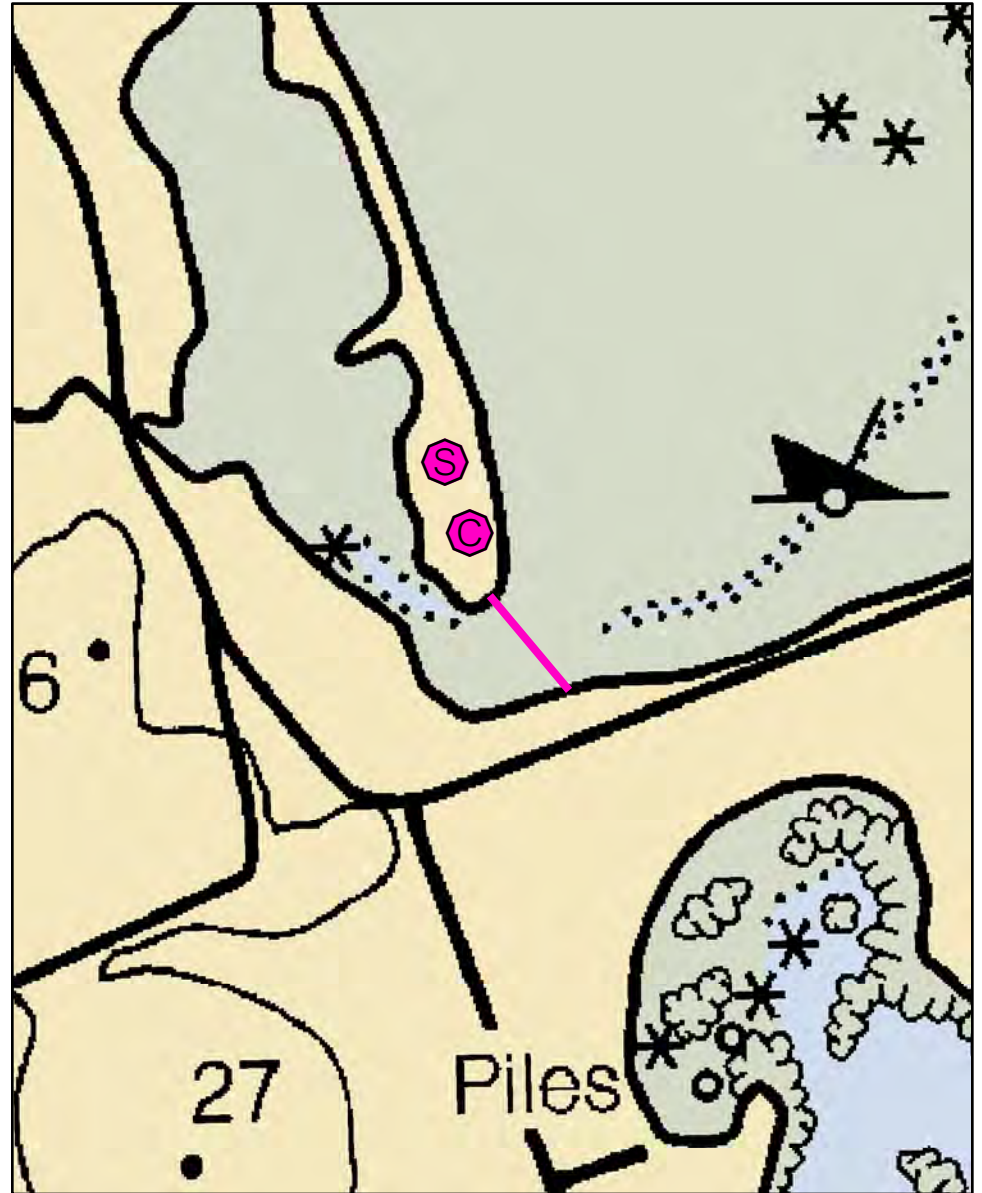
Lubec, ME



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



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

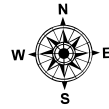
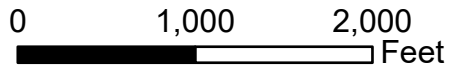
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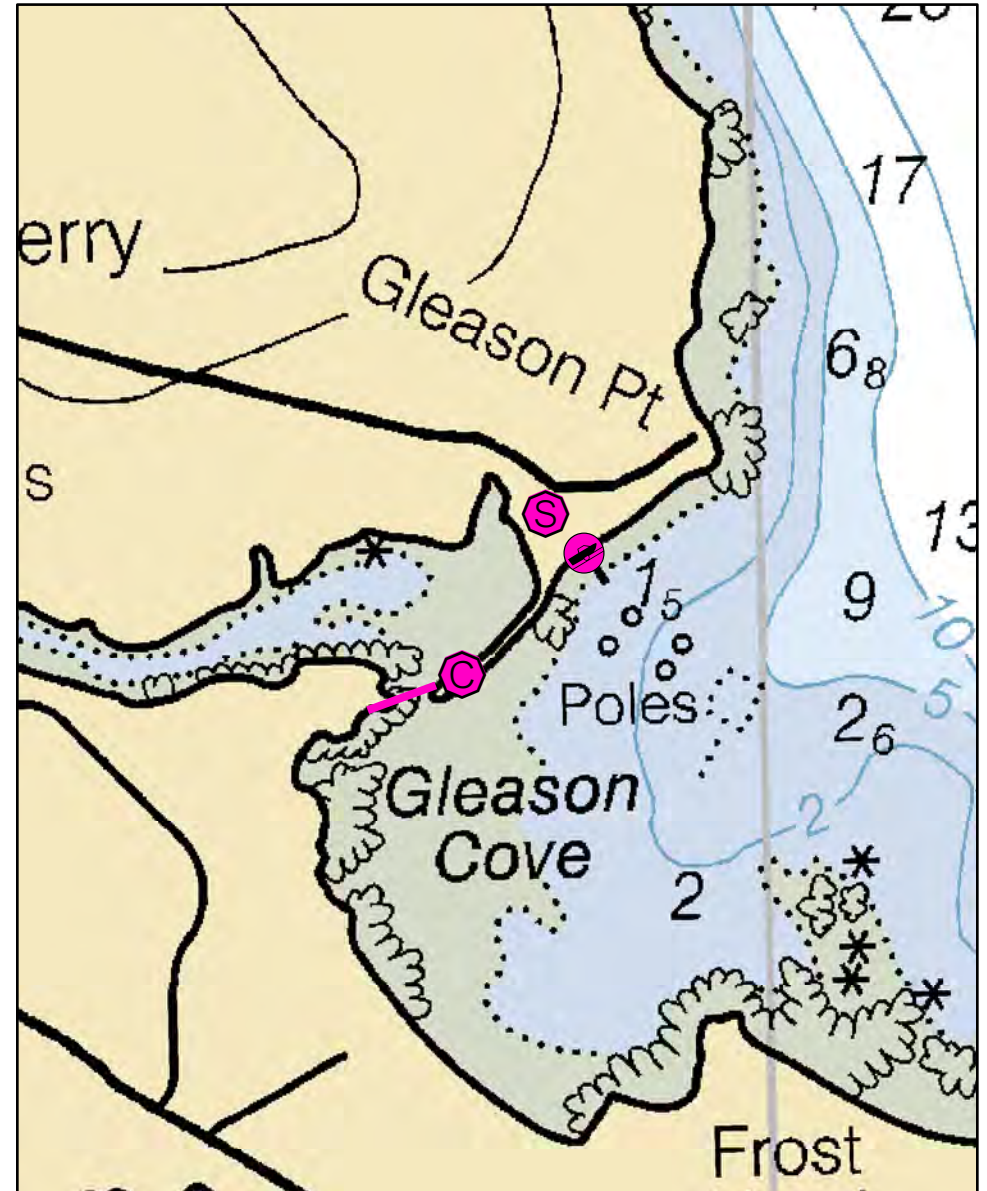
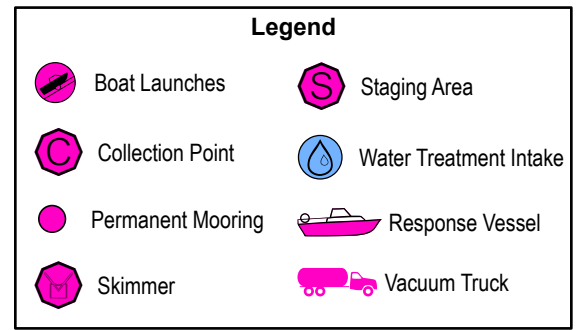
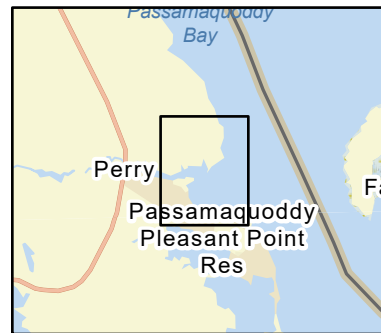
D-24-1

Gleason Cove

Perry, ME



Date printed: 9/10/2022 7:54 PM



D-24-1 Gleason Cove

Town	Perry	Port Region	Downeast
Latitude	44° 58.290' N	Longitude	67° 3.024' W
Approx. Tidal Range (feet)	19	NOAA Chart #	13398_1
Max Current (knots)	Flood < 1 knot	ESI Map #	3B
Source	Observed	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

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: