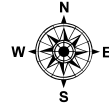
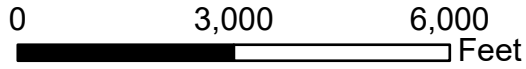
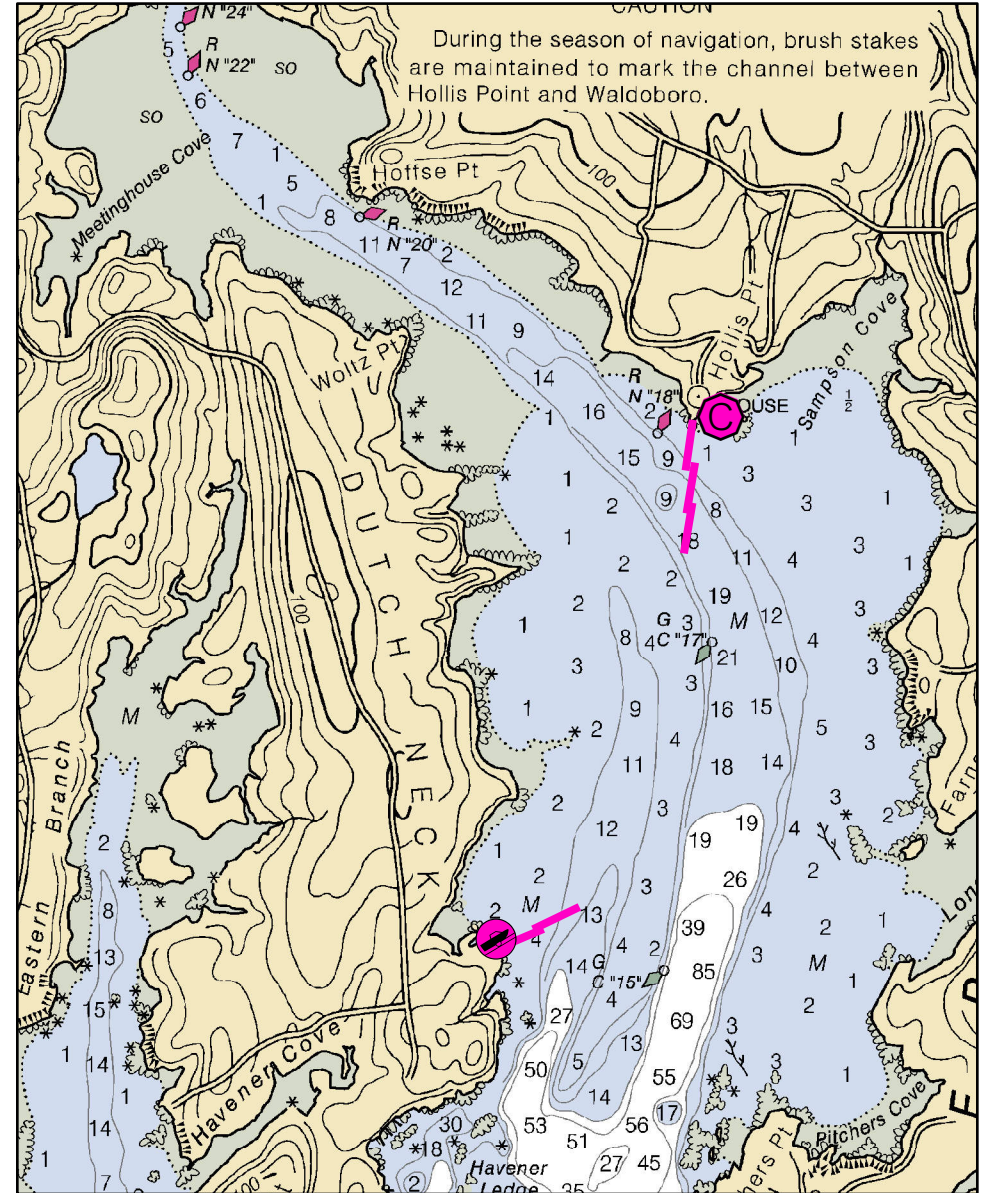
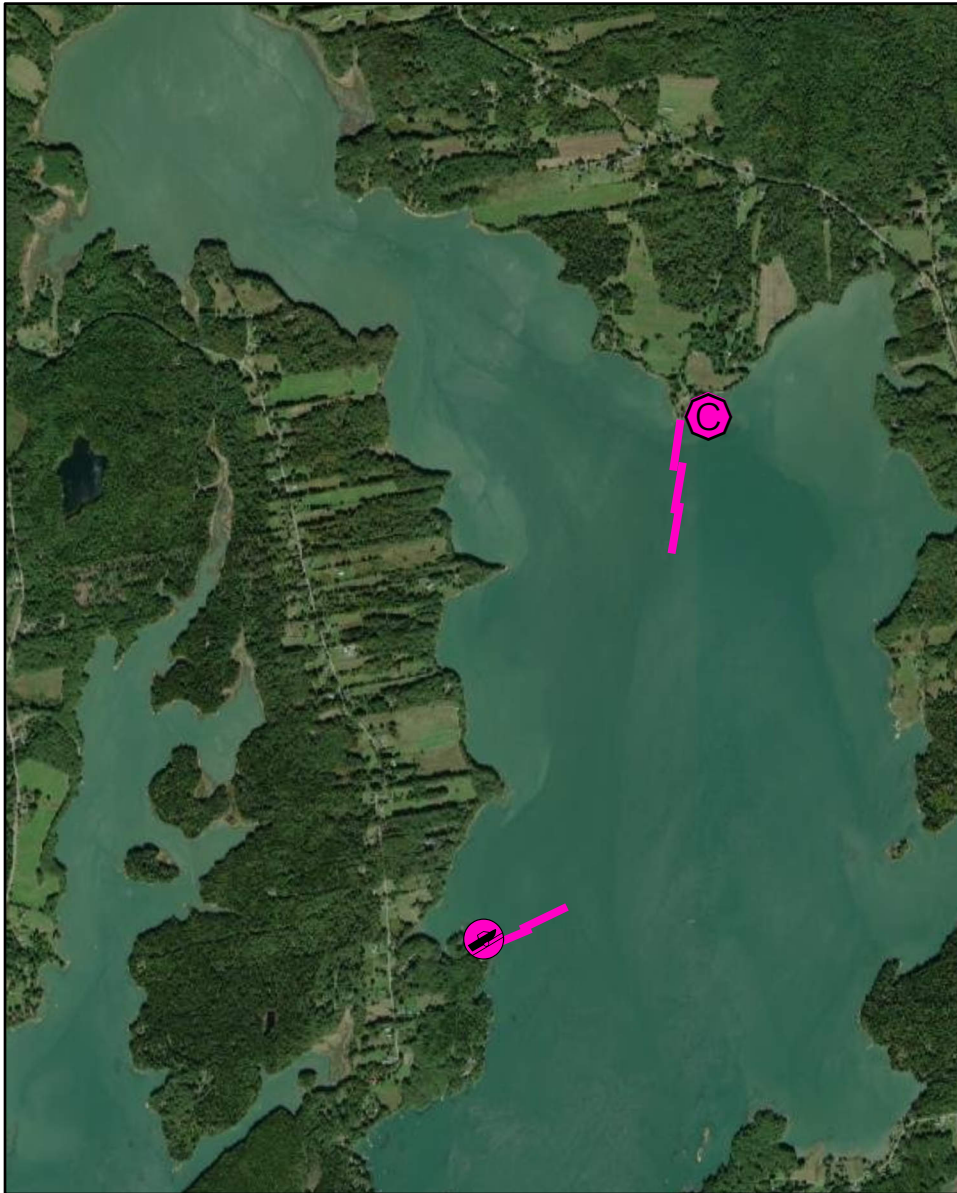
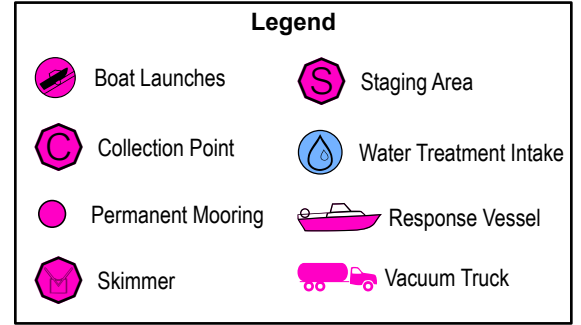
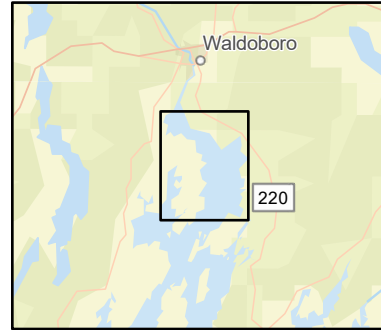


C-01-1

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.

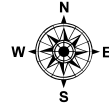
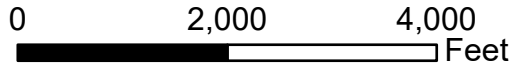
Last Desktop Validation: 9/13/2020

Last Field Visit:

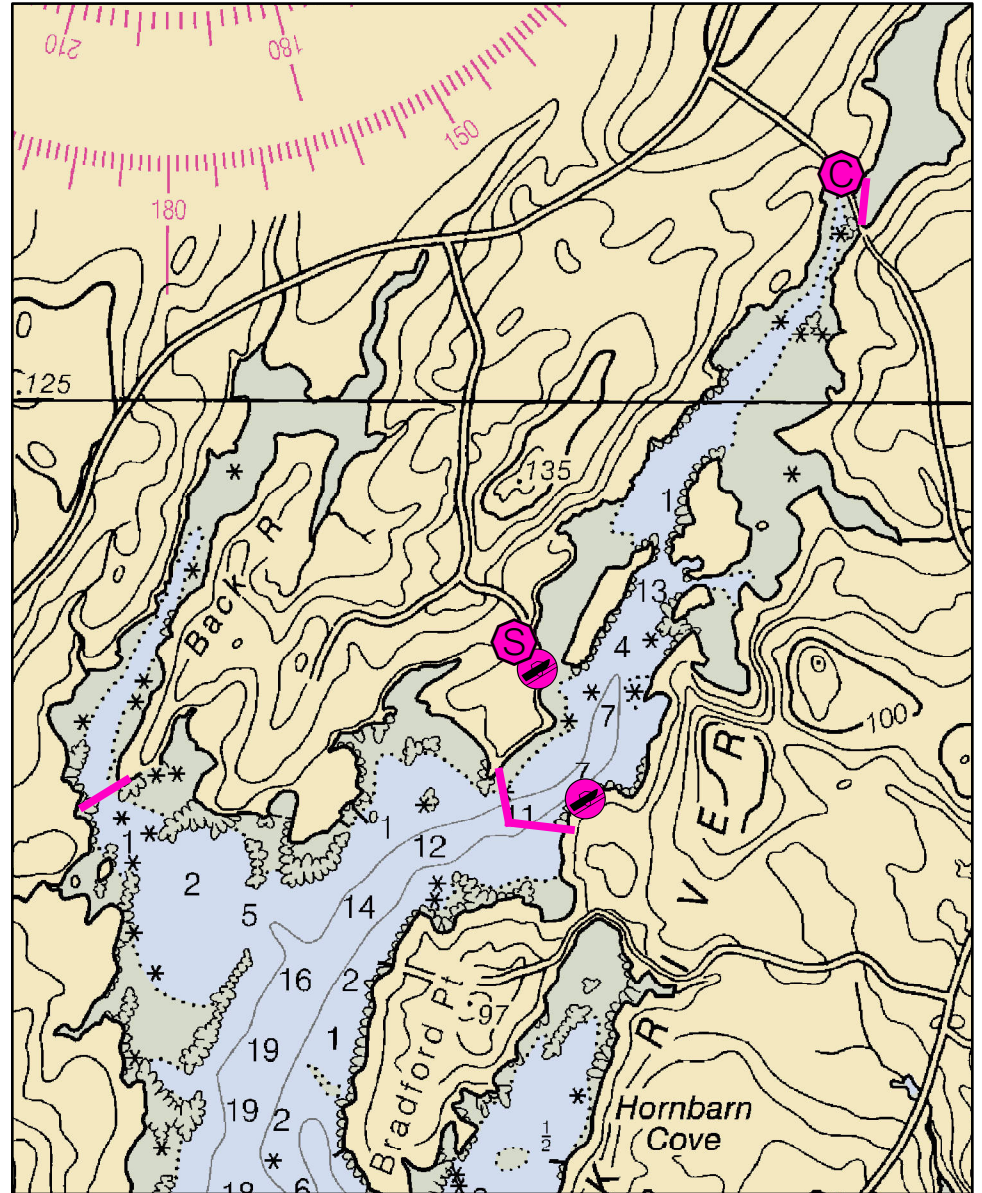
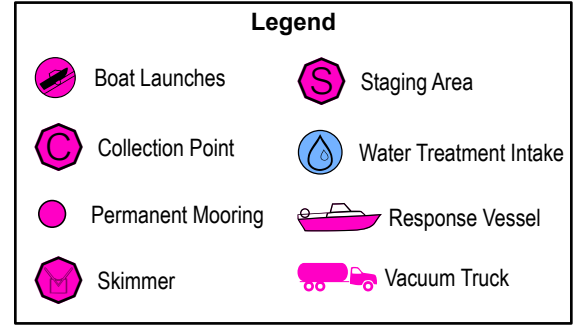
Last Field Test:

C-02-1

Meduncook River / Back River Friendship / Cushing, ME



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



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.

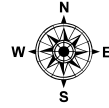
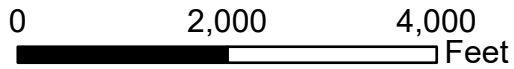
Last Desktop Validation: 9/13/2020

Last Field Visit:

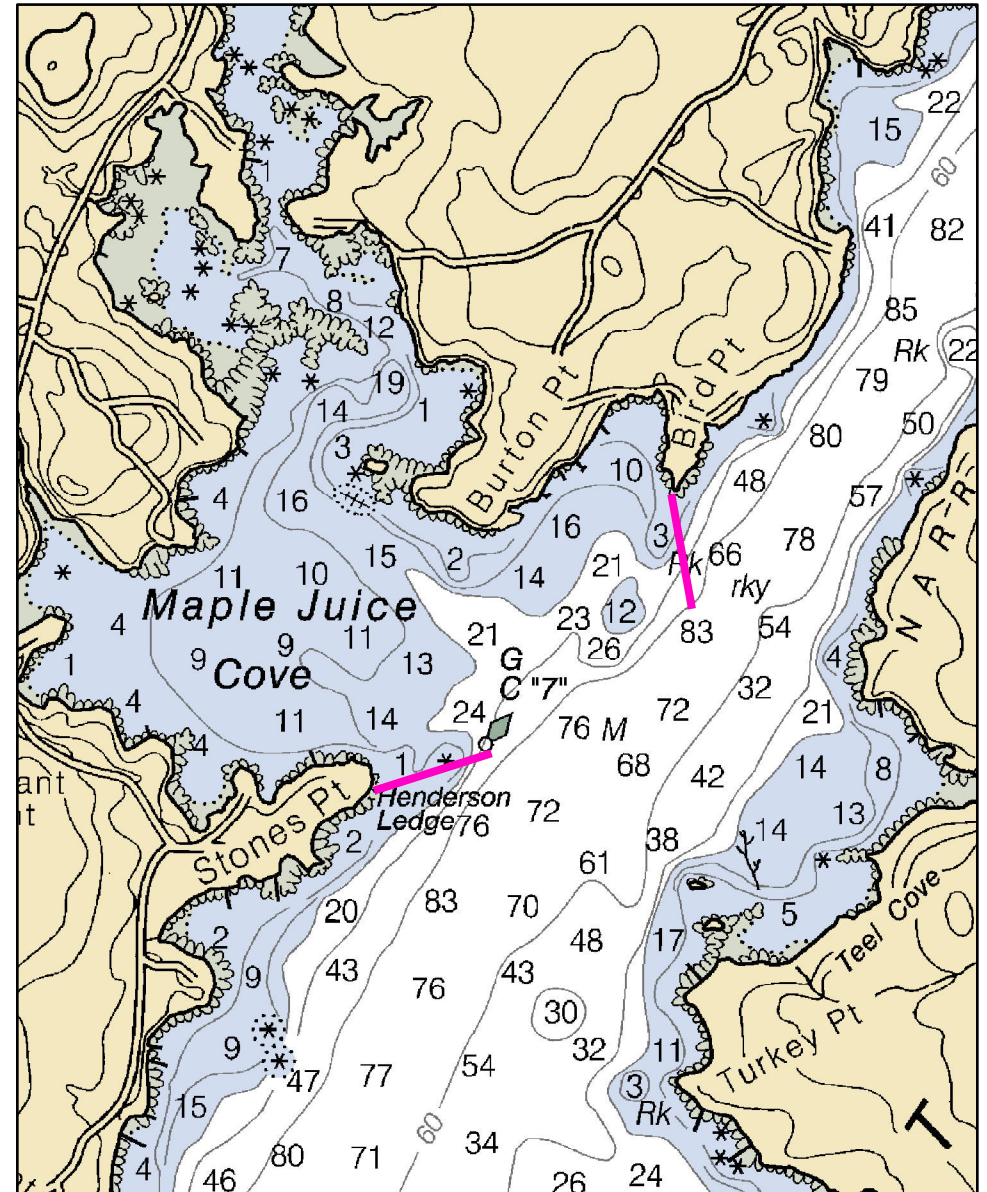
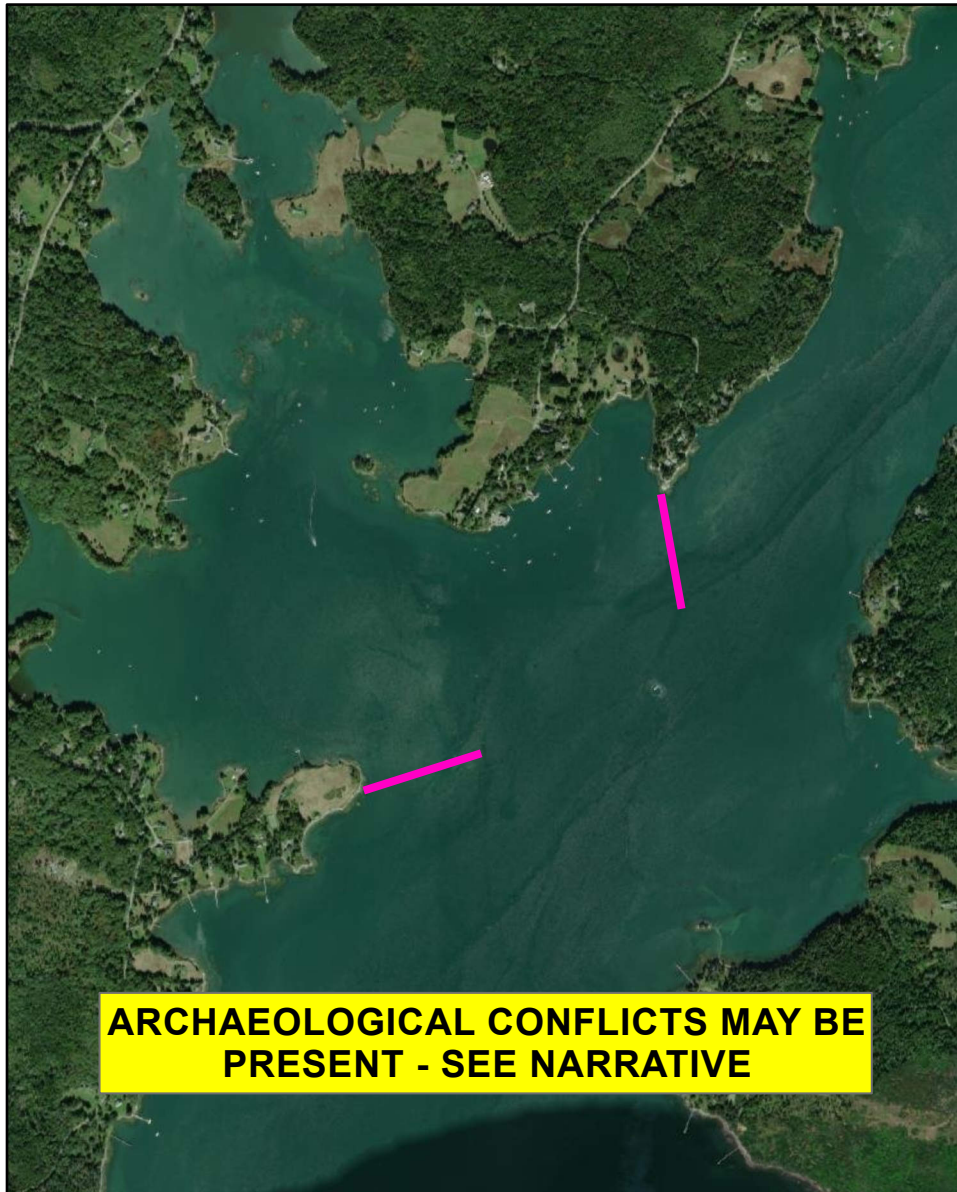
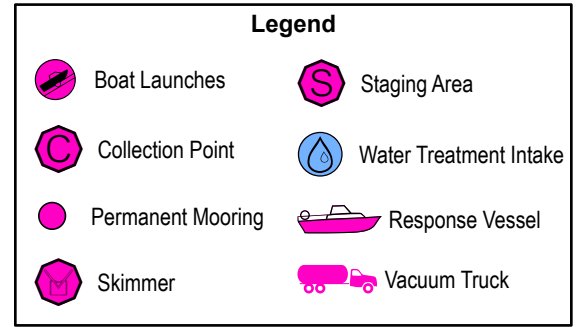
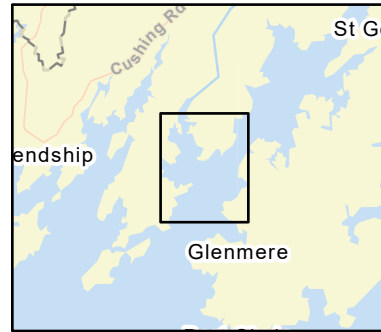
Last Field Test:

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.

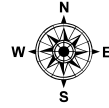
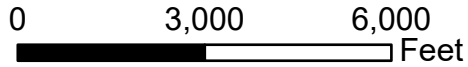
Last Desktop Validation: 9/13/2020

Last Field Visit

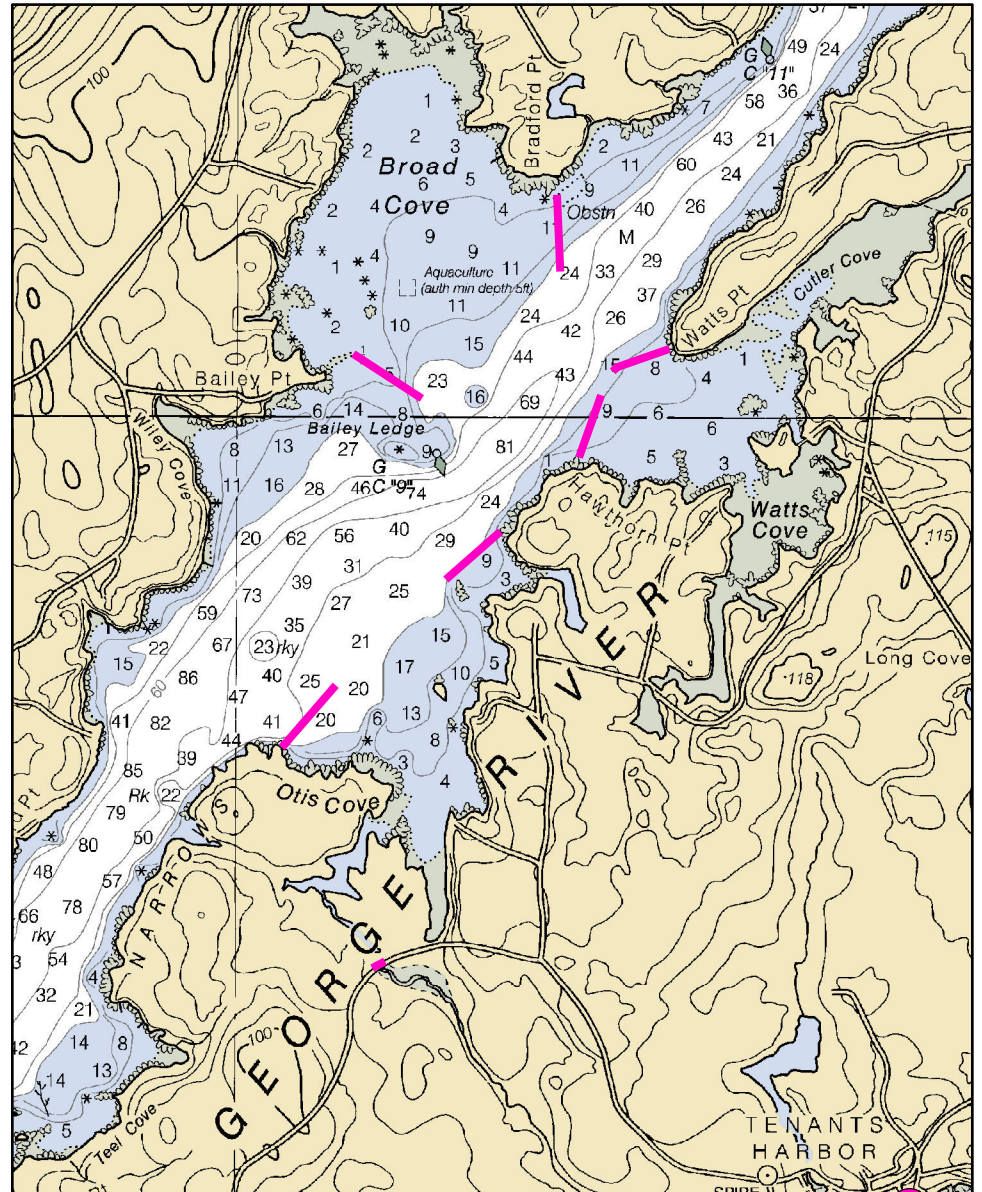
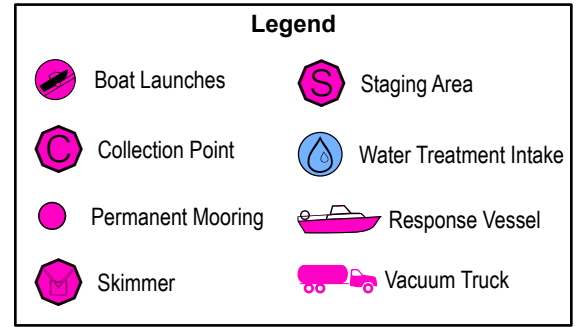
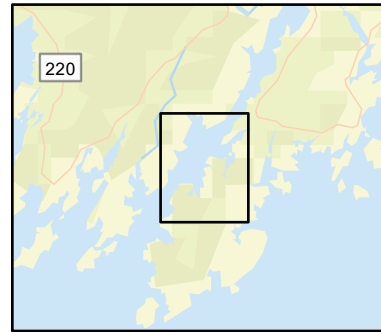
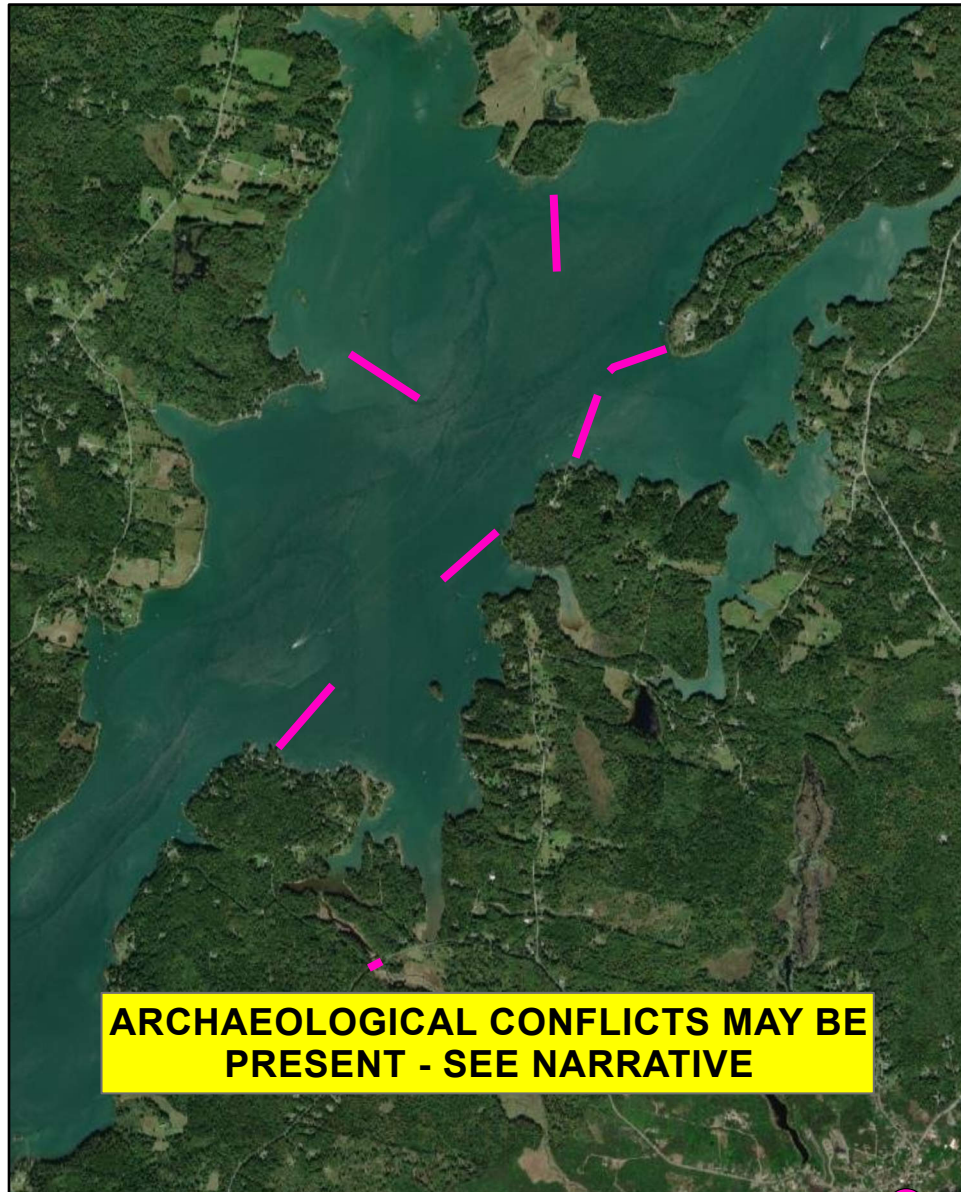
Last Field Test:

C-04-1

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



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

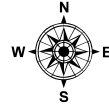
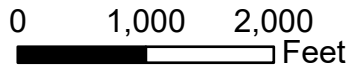
Last Field Visit 9/11/2009

Last Field Test:

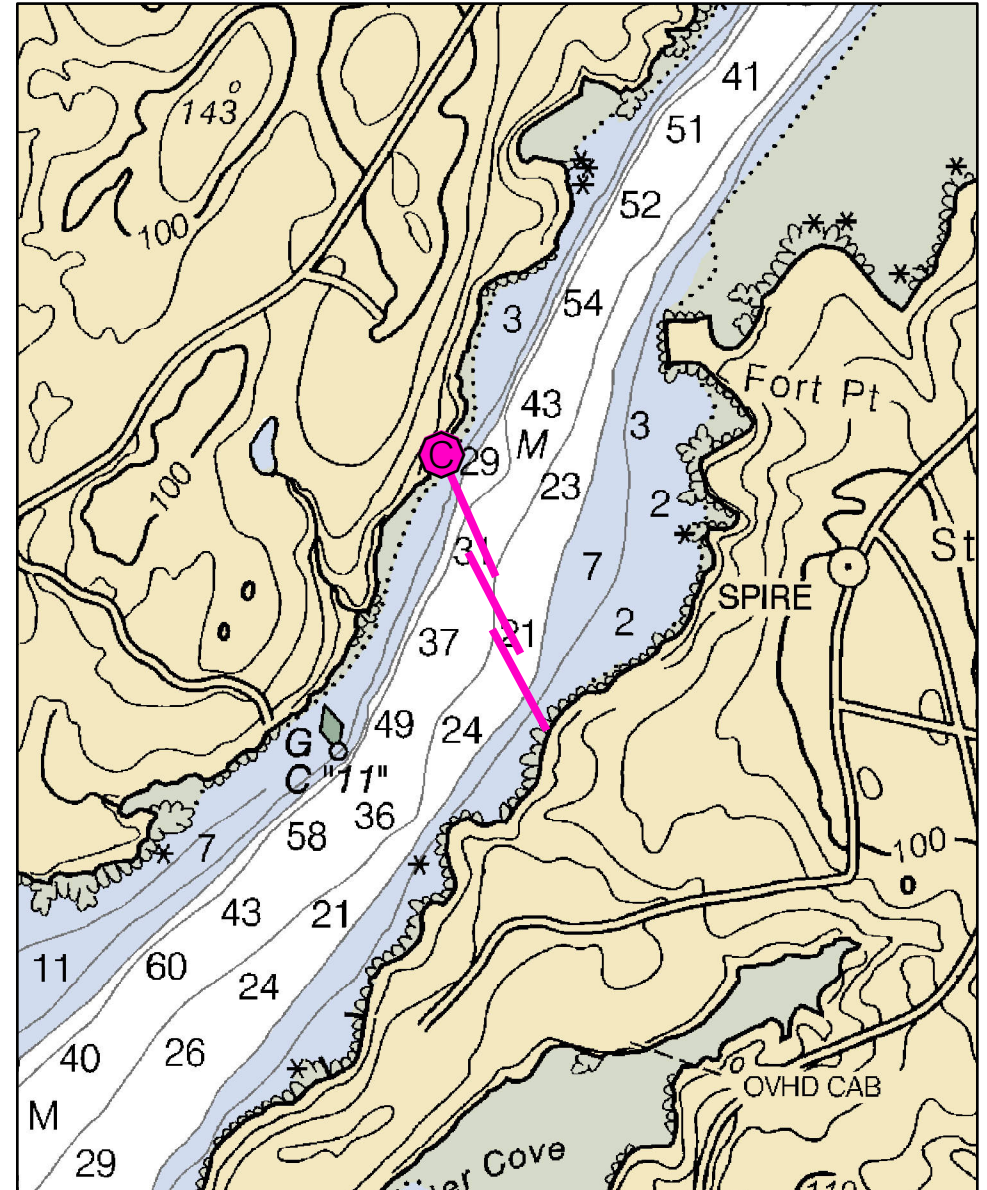
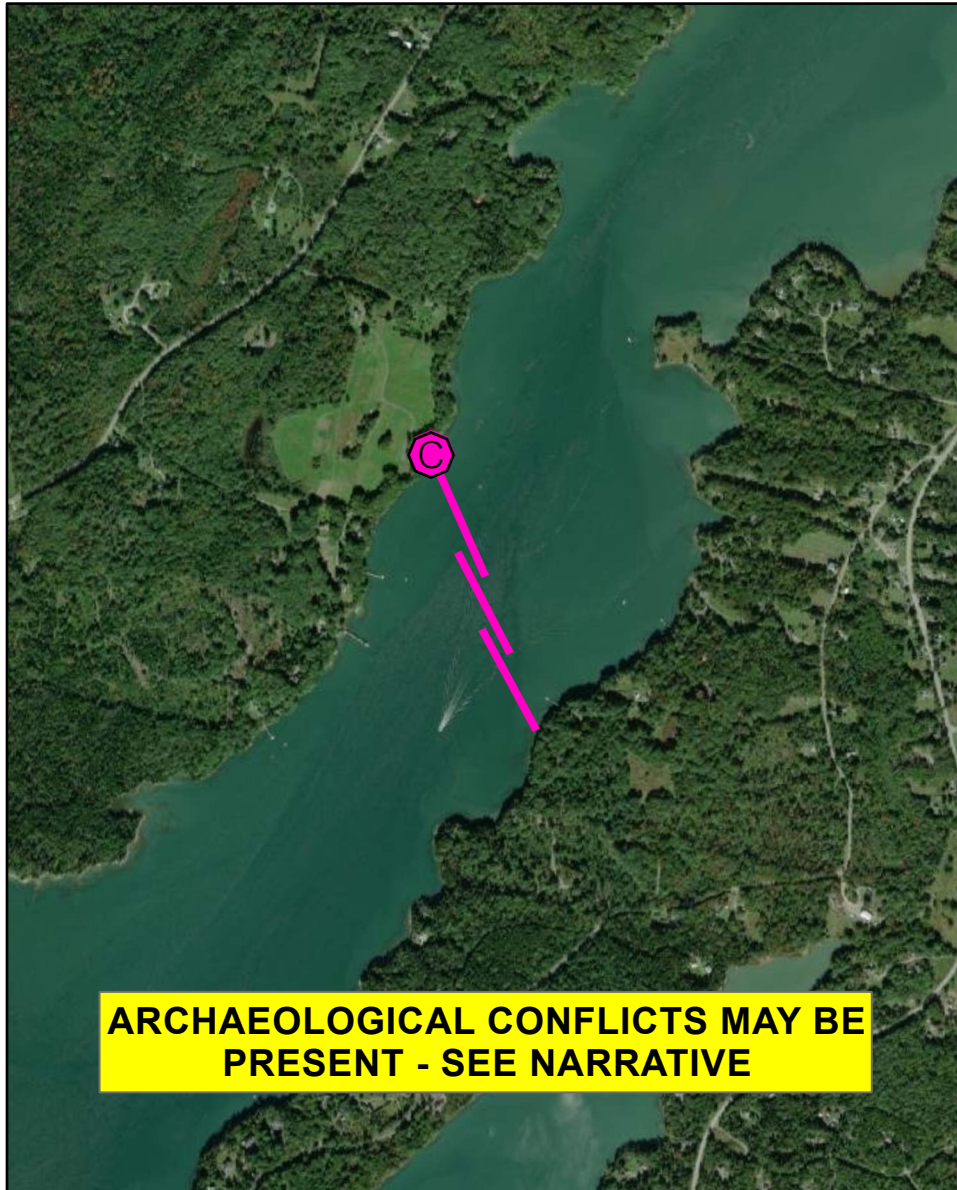
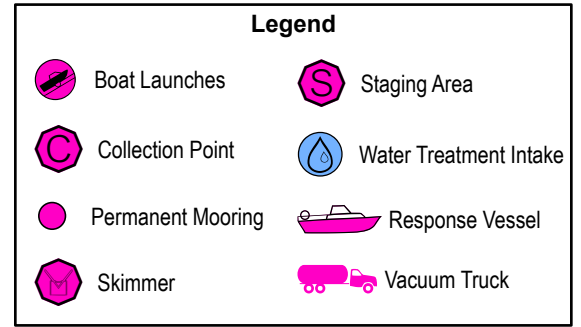
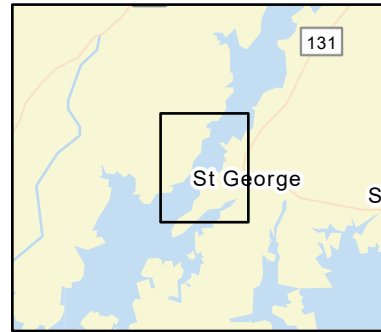
C-05-1

Saint George River

Cushing / Saint George, ME



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



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.

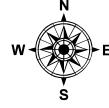
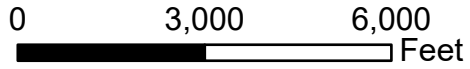
Last Desktop Validation: 9/13/2020

Last Field Visit: 9/11/2009

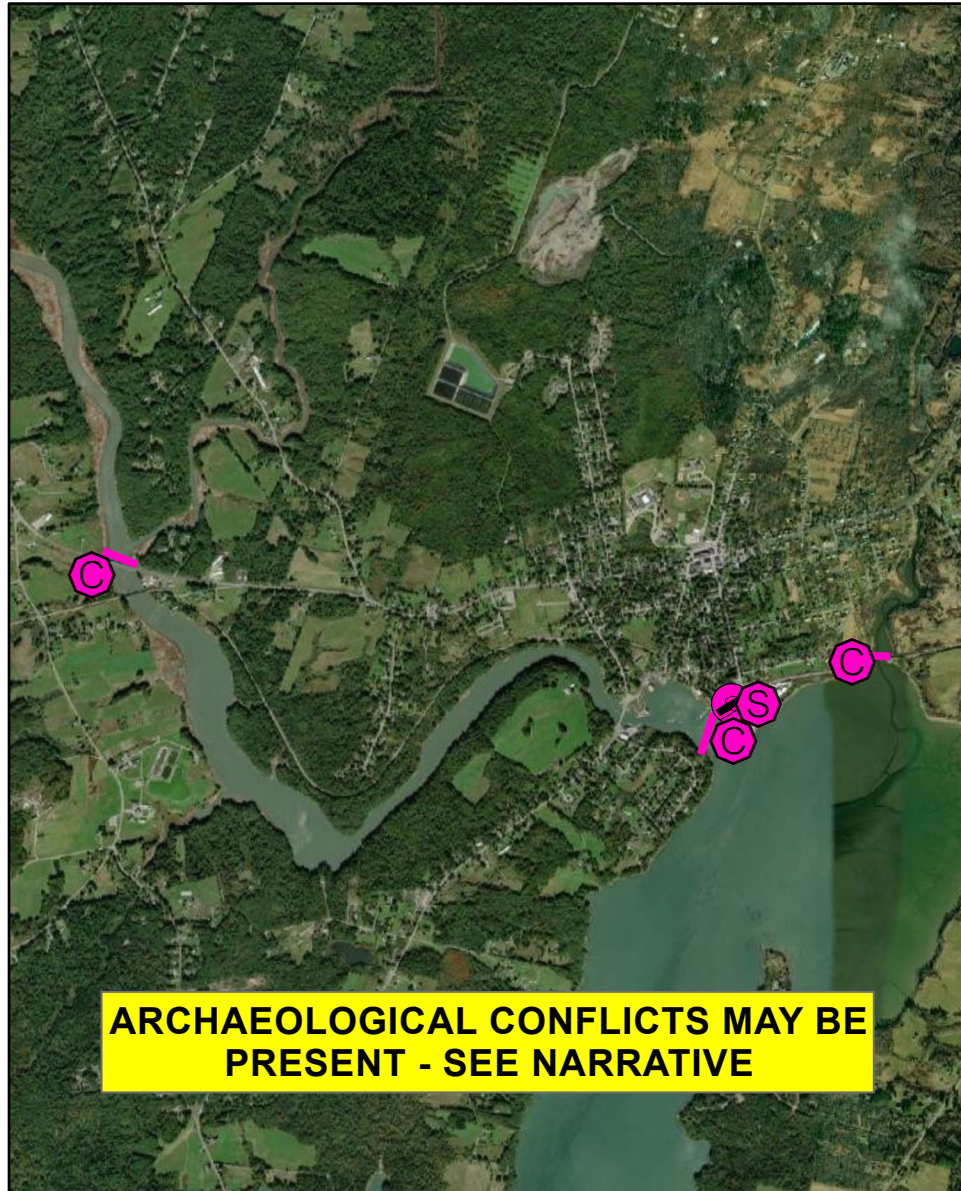
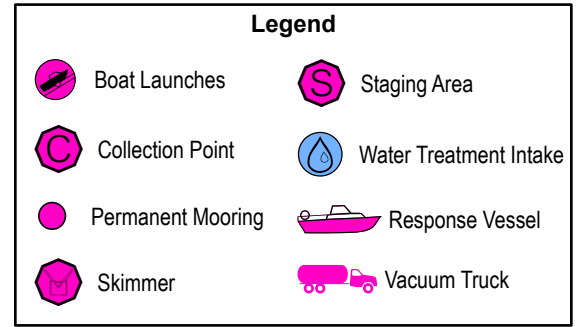
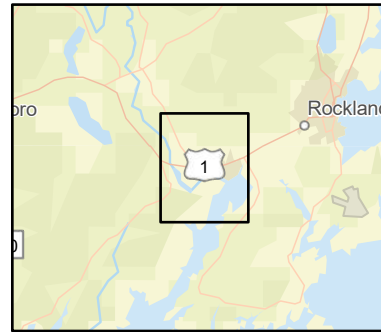
Last Field Test:

C-06-1

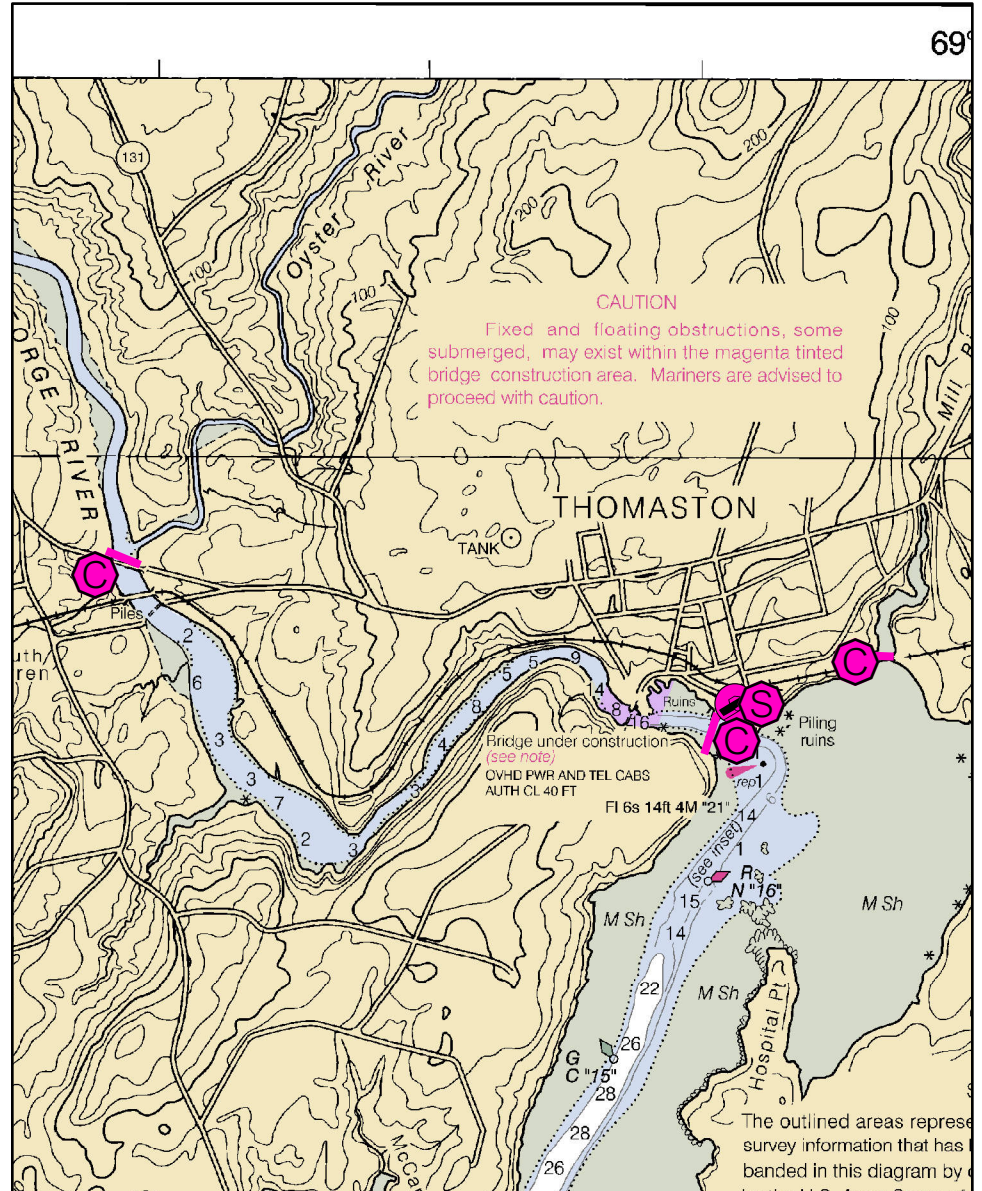
Upper Saint George River Warren / Thomaston, ME



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



ARCHAEOLOGICAL CONFLICTS MAY BE PRESENT - SEE NARRATIVE



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
Recommended Equipment (Minimum)	For each strategy: 2 - shoreside connection 1 - workboats with minimum 90 hp 1 - boat operators 2 - laborers		

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

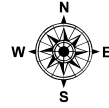
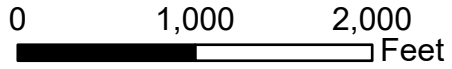
Last Desktop Validation: 9/13/2020

Last Field Visit 9/11/2009

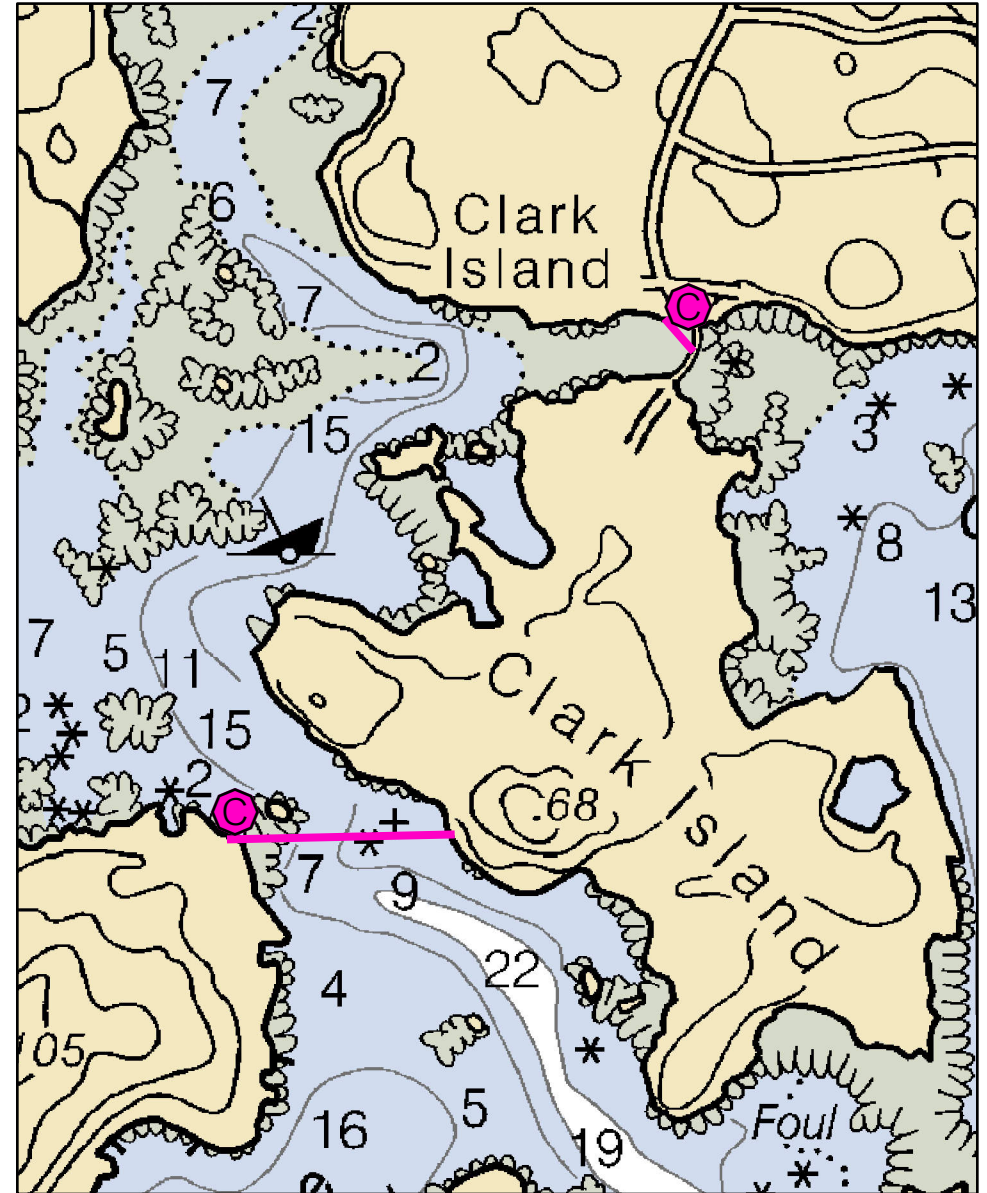
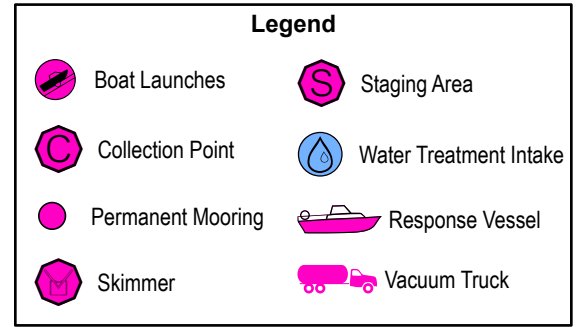
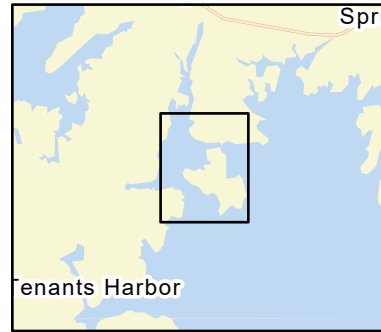
Last Field Test:

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.

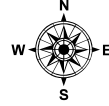
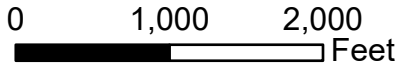
Last Desktop Validation: 9/13/2020

Last Field Visit: 8/3/2007

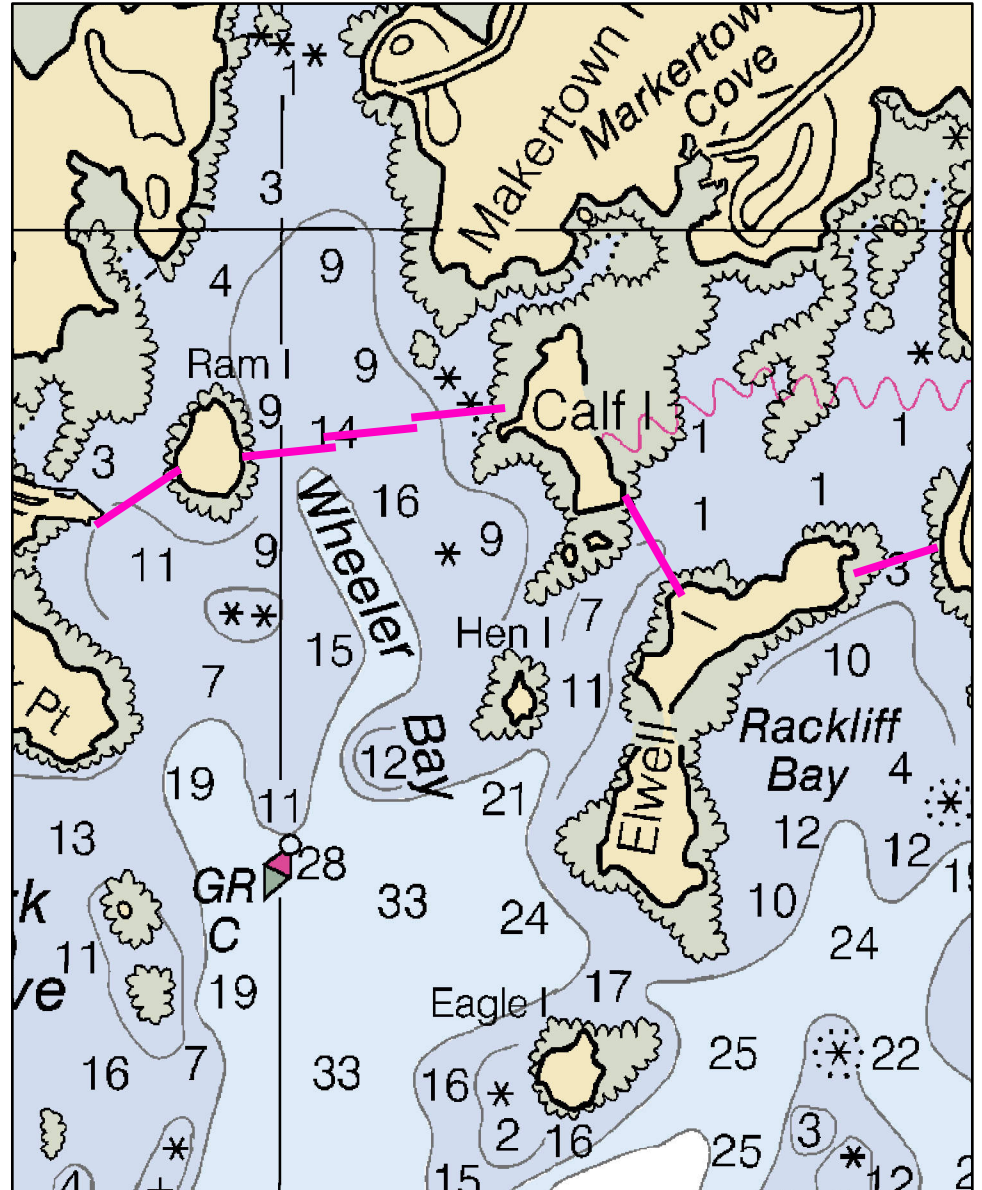
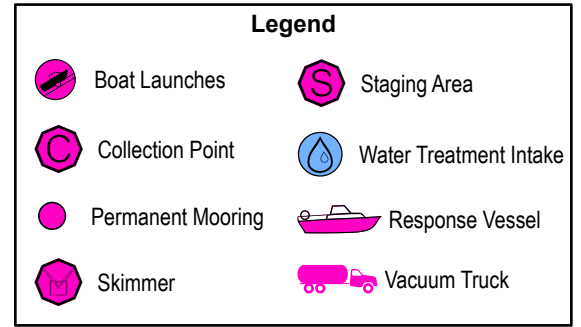
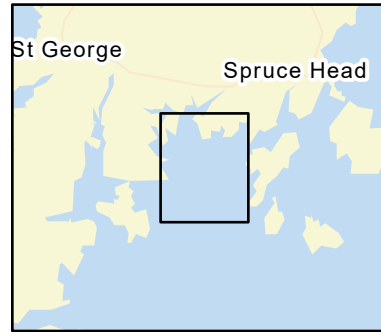
Last Field Test:

C-08-1

Saint George: Wheeler Bay Saint George, ME



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

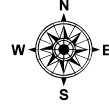
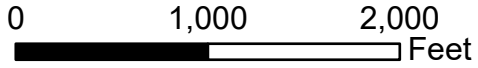
Last Field Visit

Last Field Test:

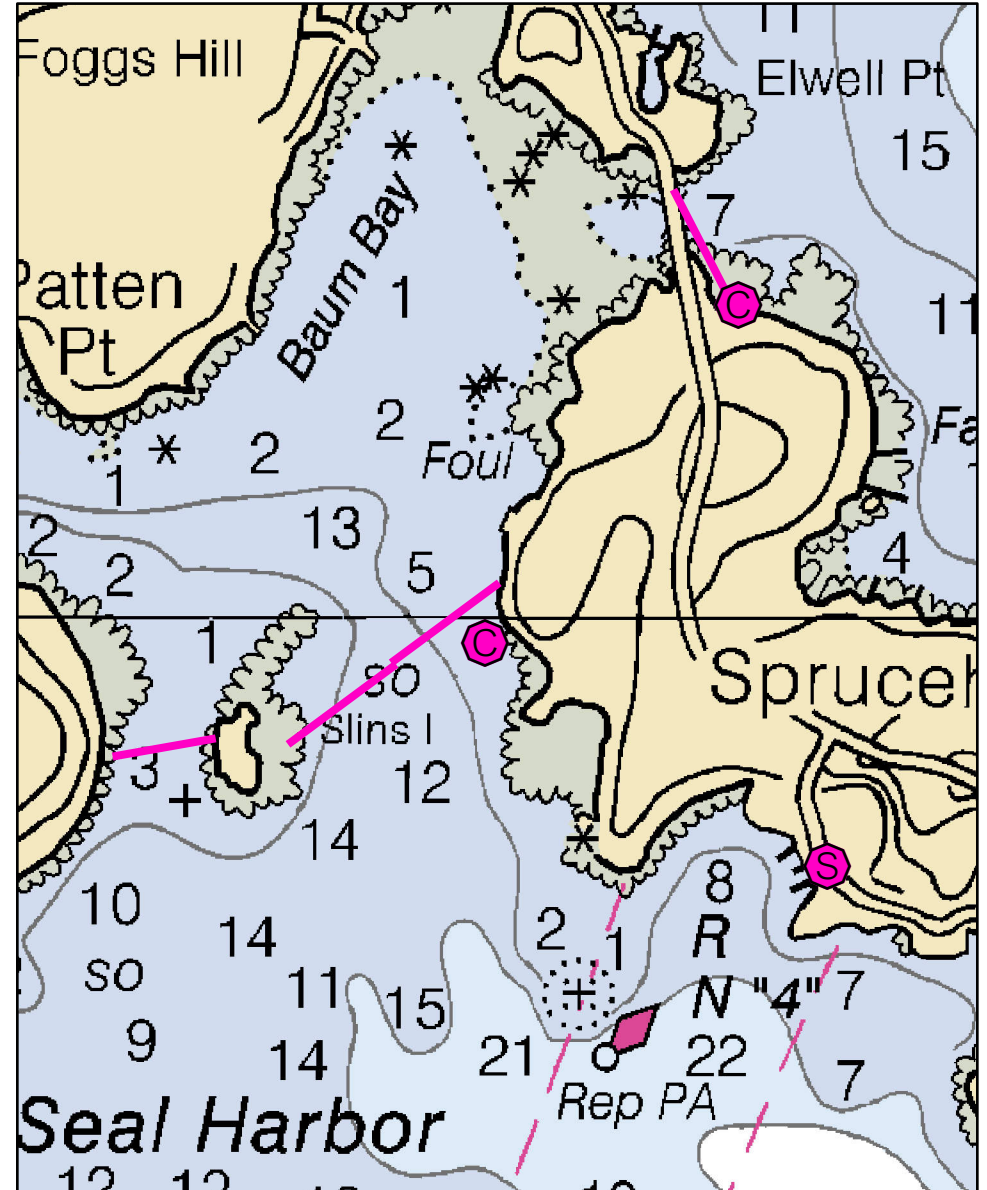
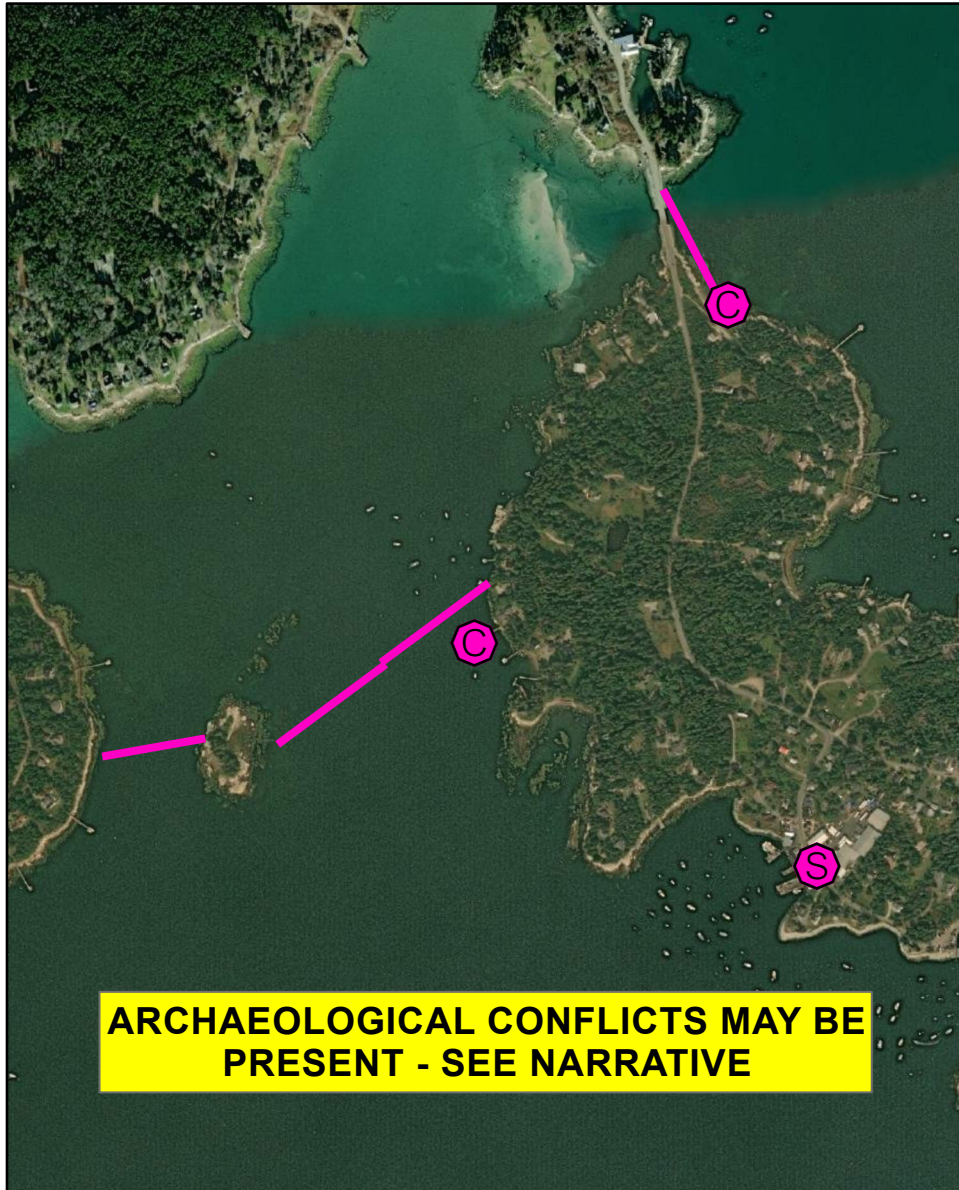
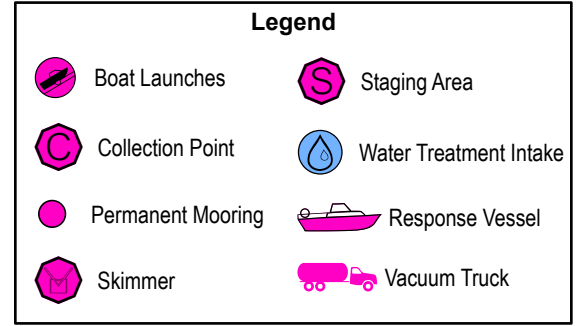
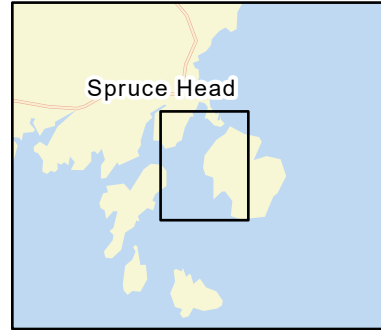
C-09-1

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

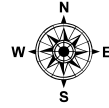
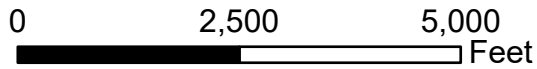
Last Field Visit: 7/3/2007

Last Field Test:

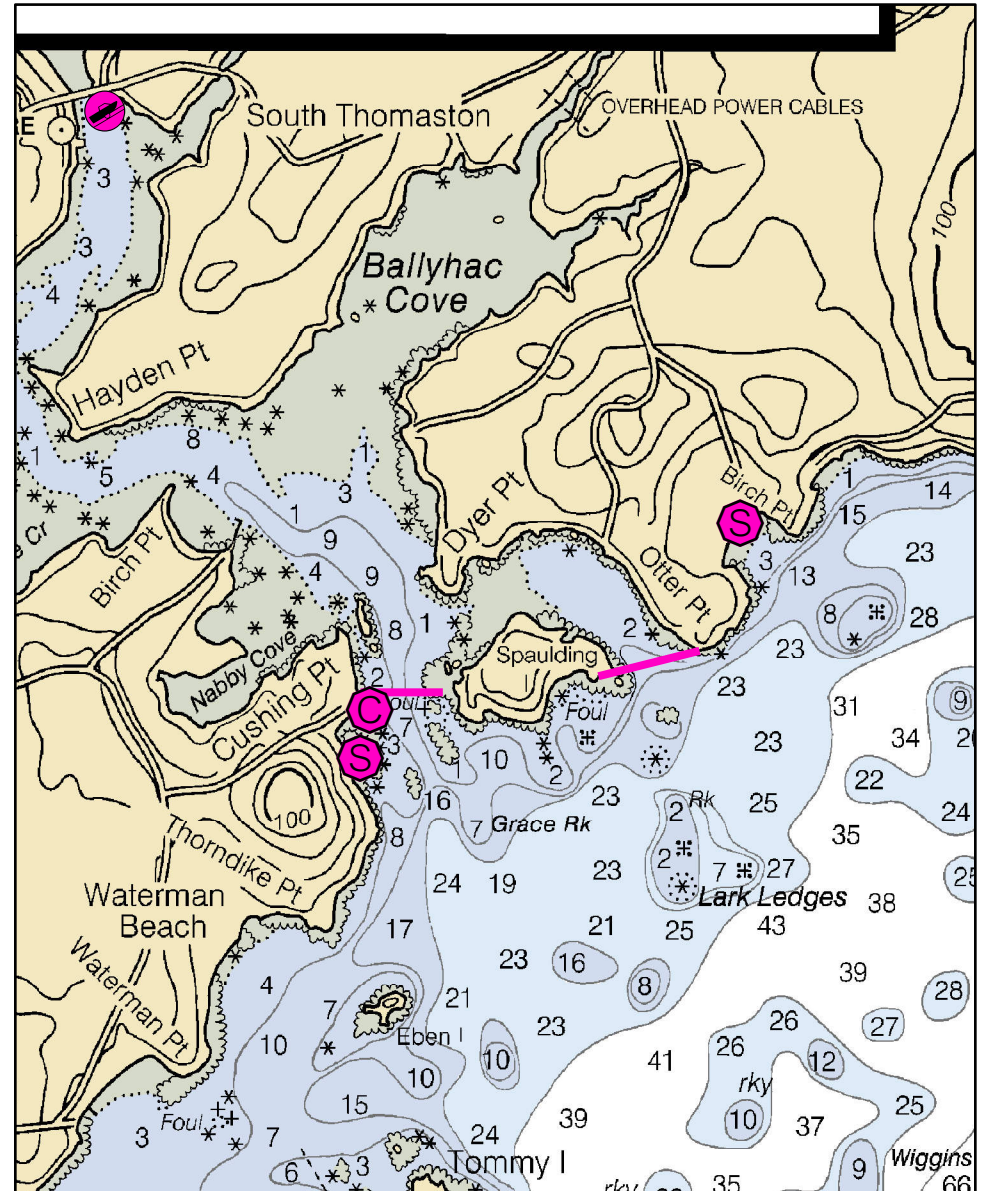
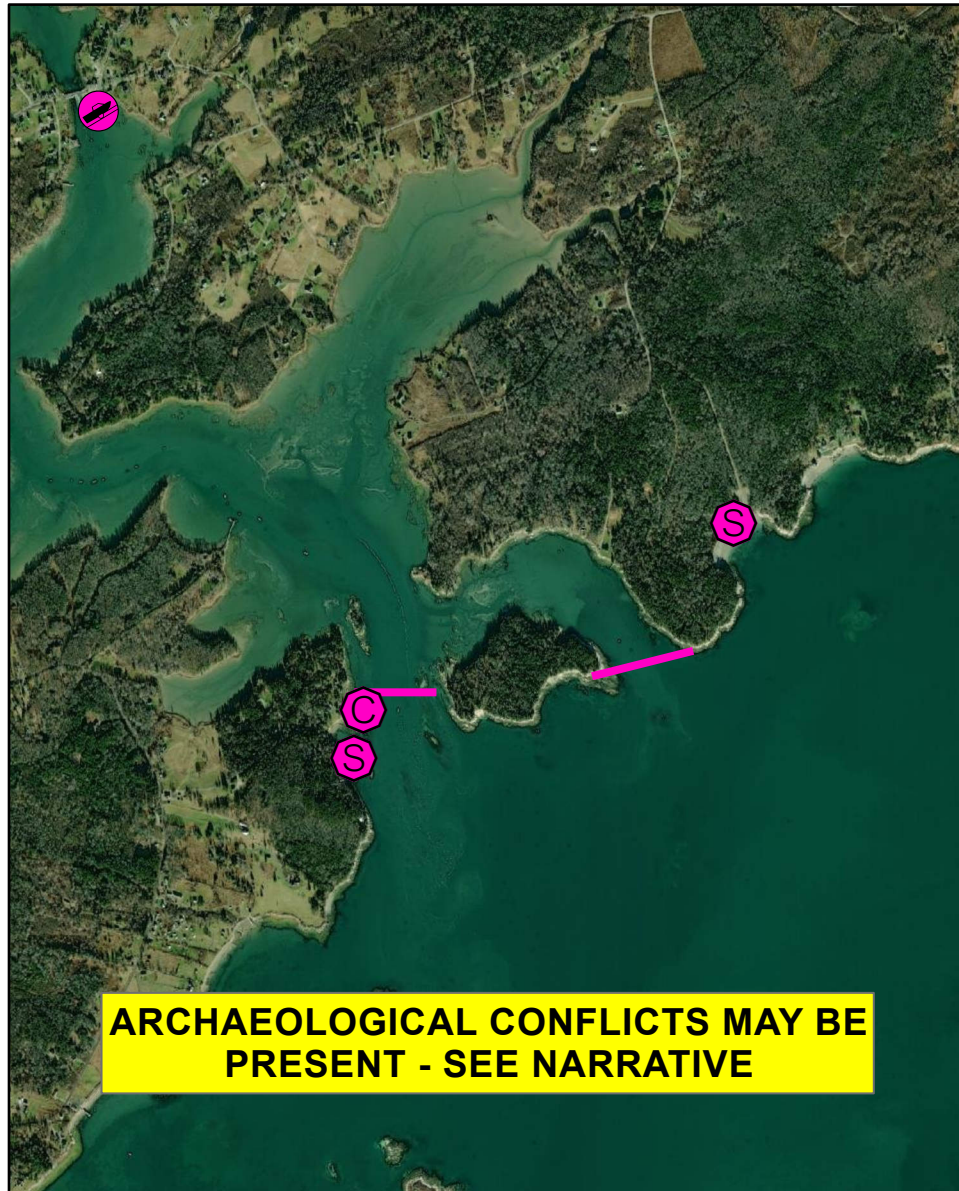
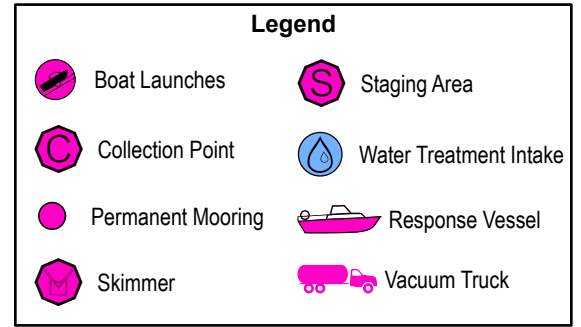
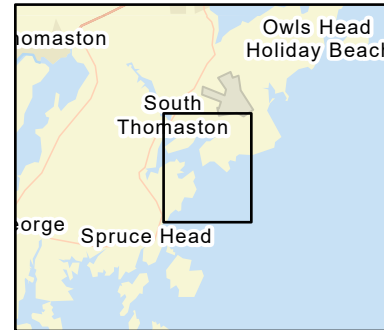
C-10-1

Weskeag River / Ballyhac Cove

South Thomaston / Owls Head, ME



Date printed: 9/11/2022 6:52 AM



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

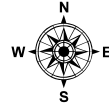
Last Field Test: 9/22/2021

C-11-1

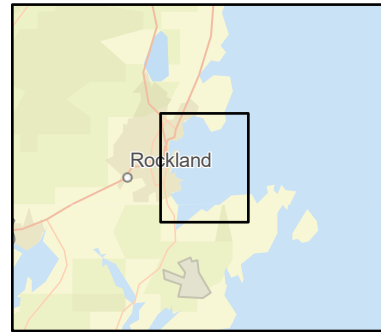
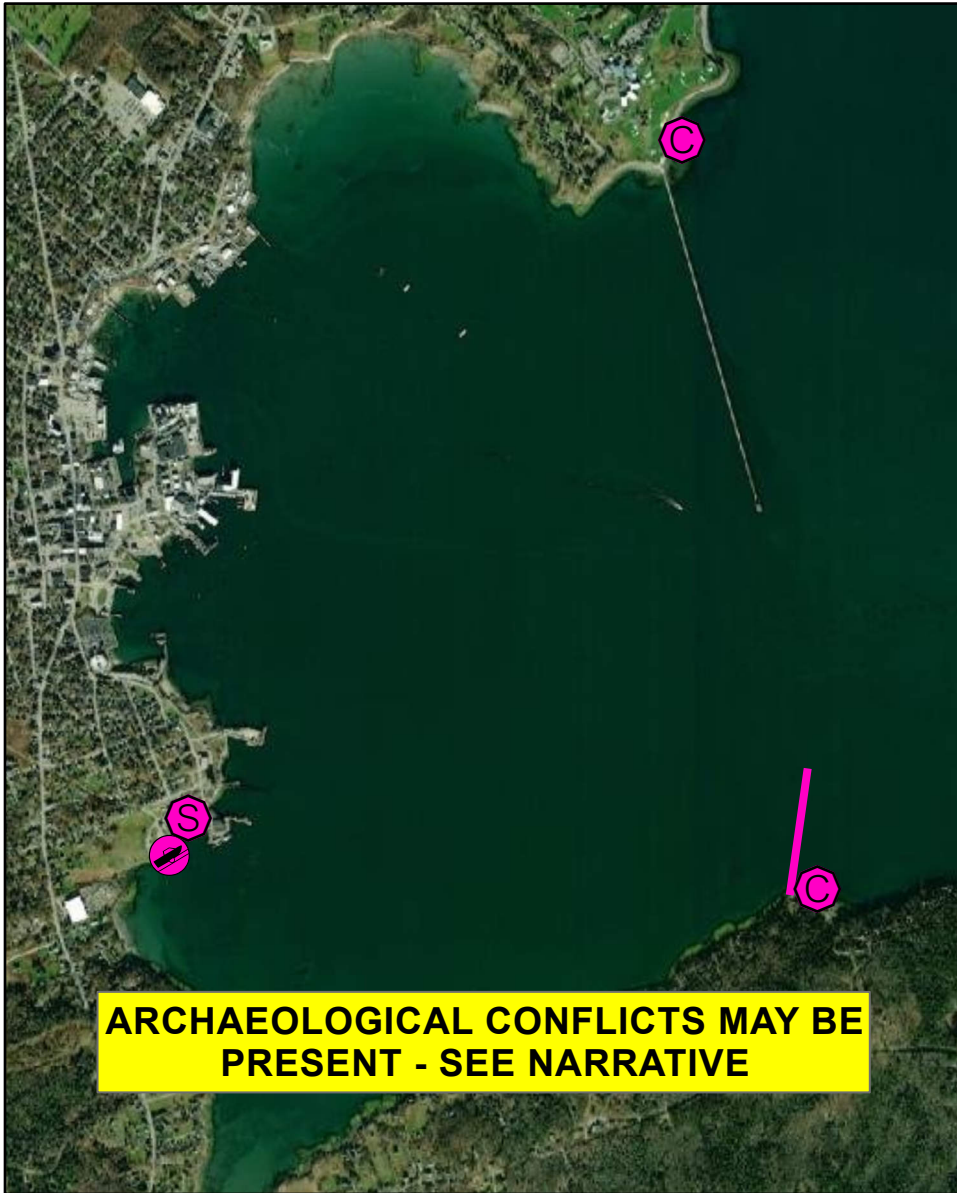
Rockland Harbor

Rockland / Owls Head, ME

0 2,500 5,000 Feet

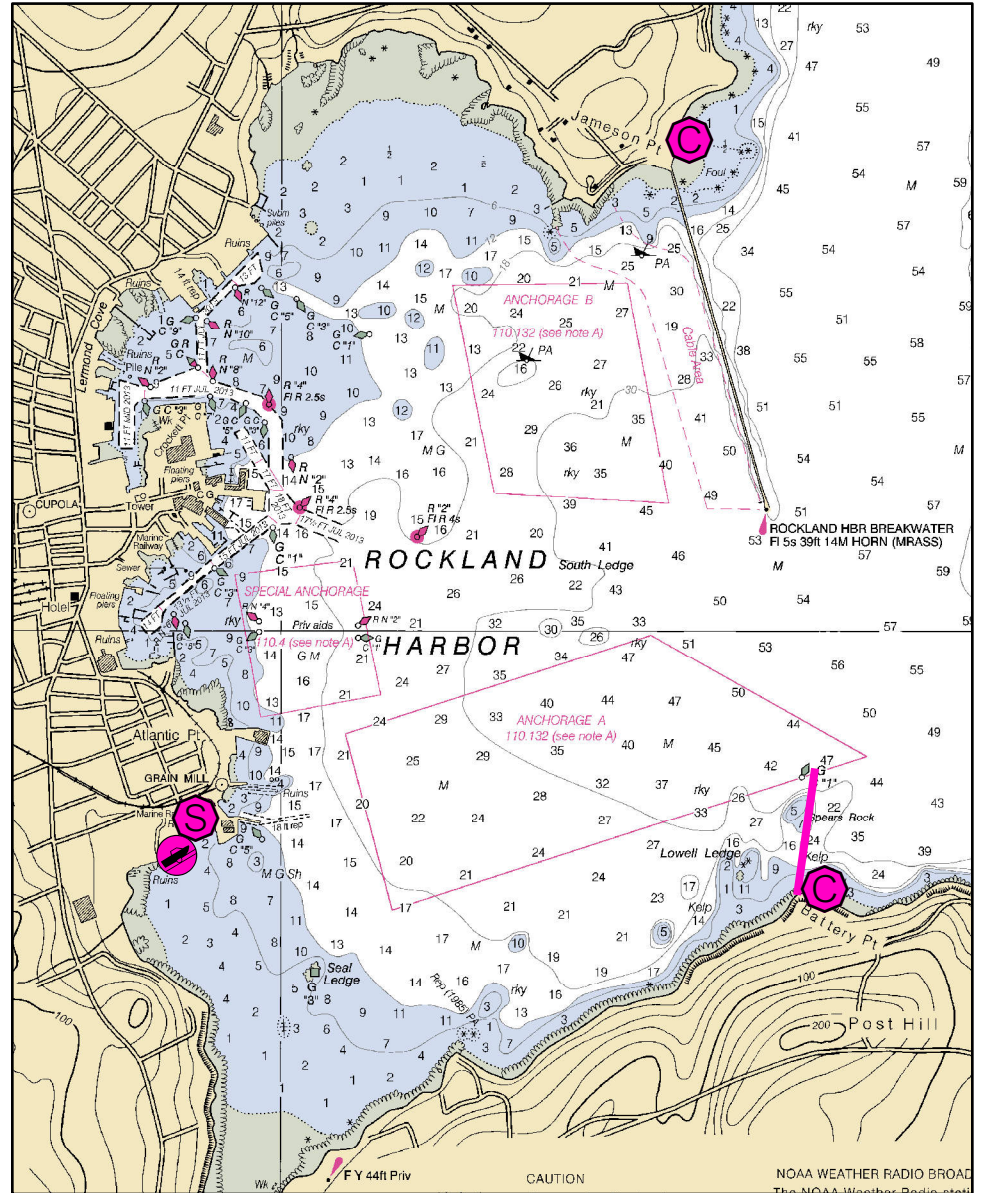


Date printed: 9/10/2022 7:52 PM



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.

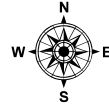
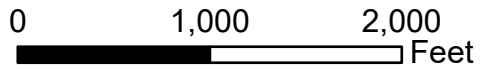
Last Desktop Validation: 9/13/2020

Last Field Visit: 7/3/2007

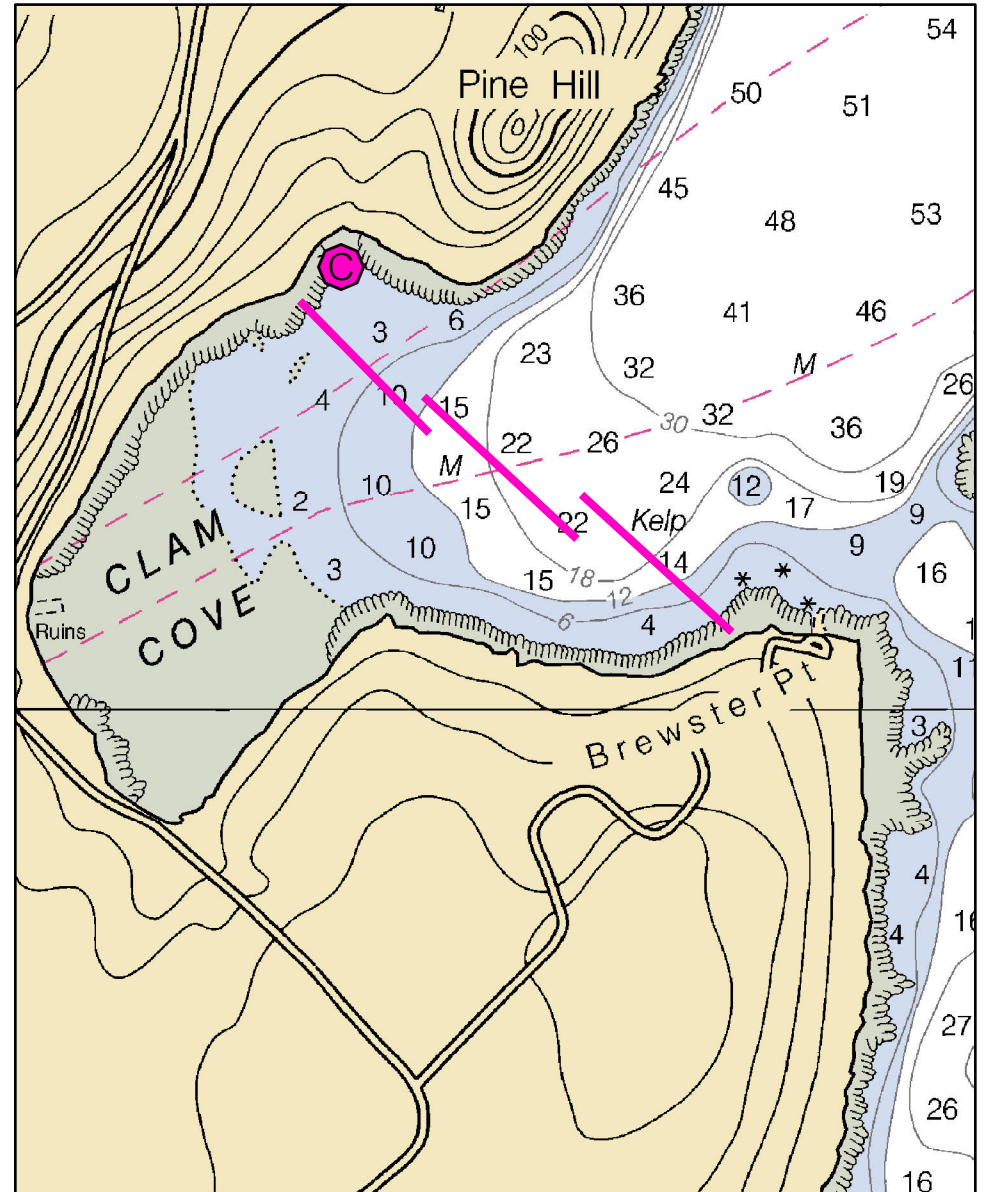
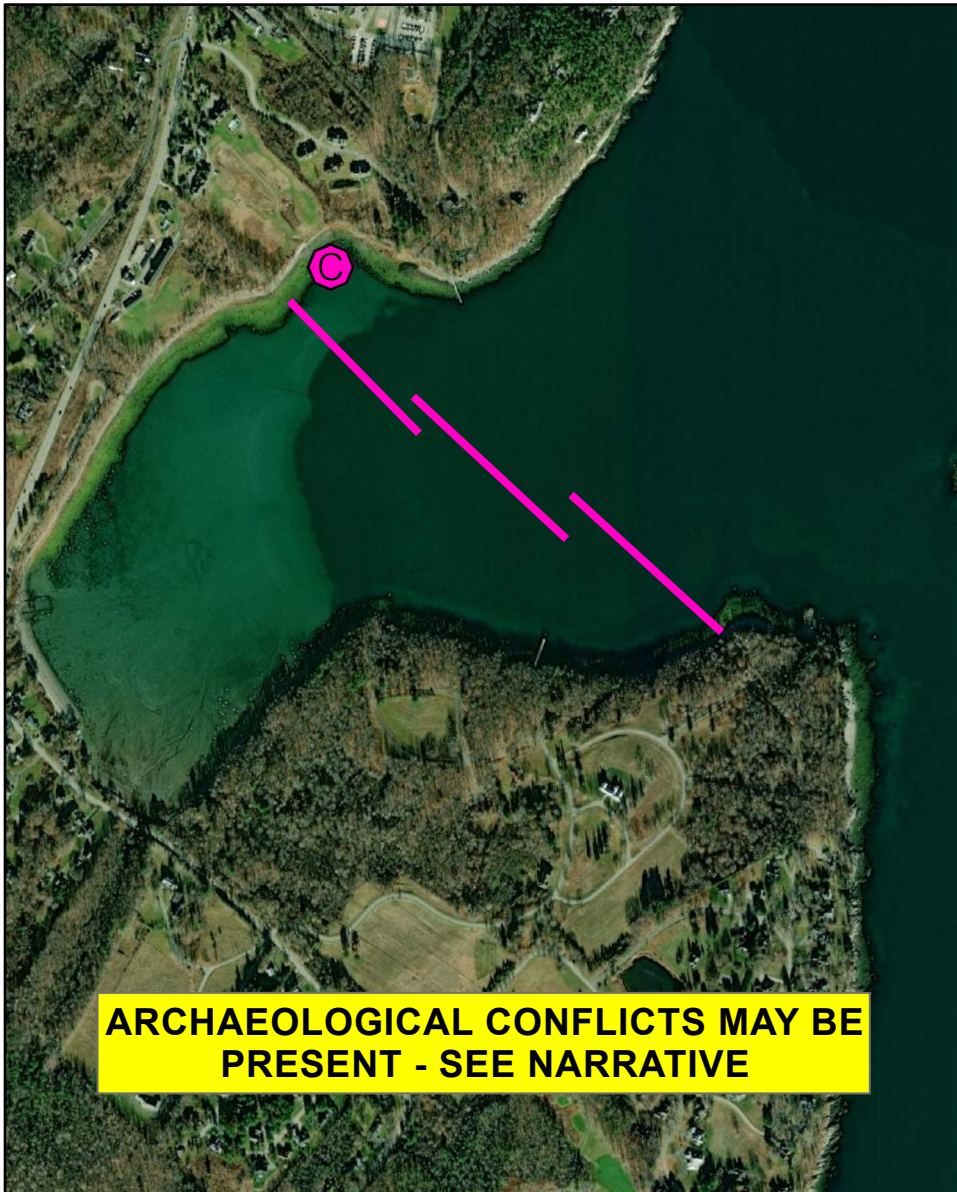
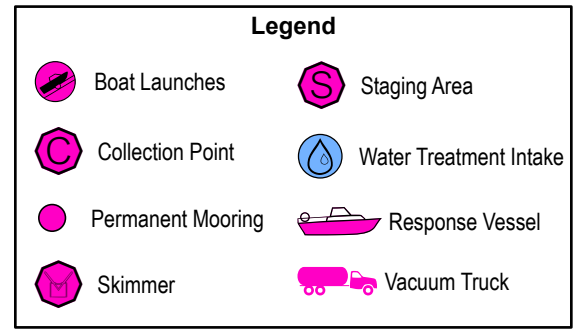
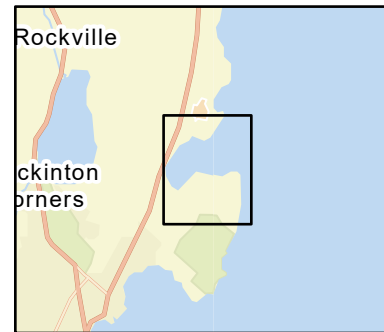
Last Field Test:

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.

Last Desktop Validation: 9/13/2020

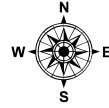
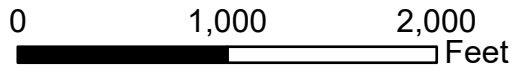
Last Field Visit 9/15/2009

Last Field Test:

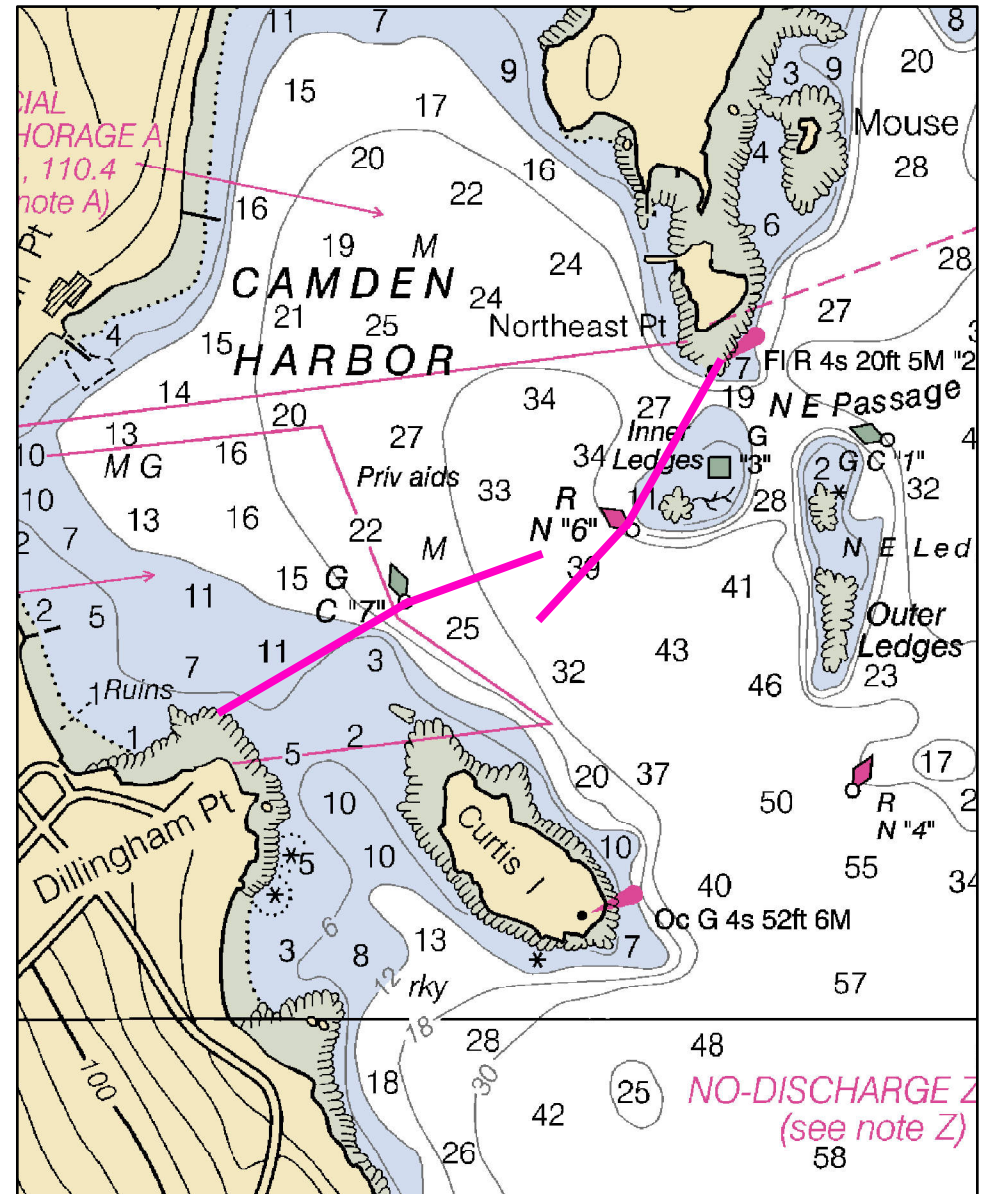
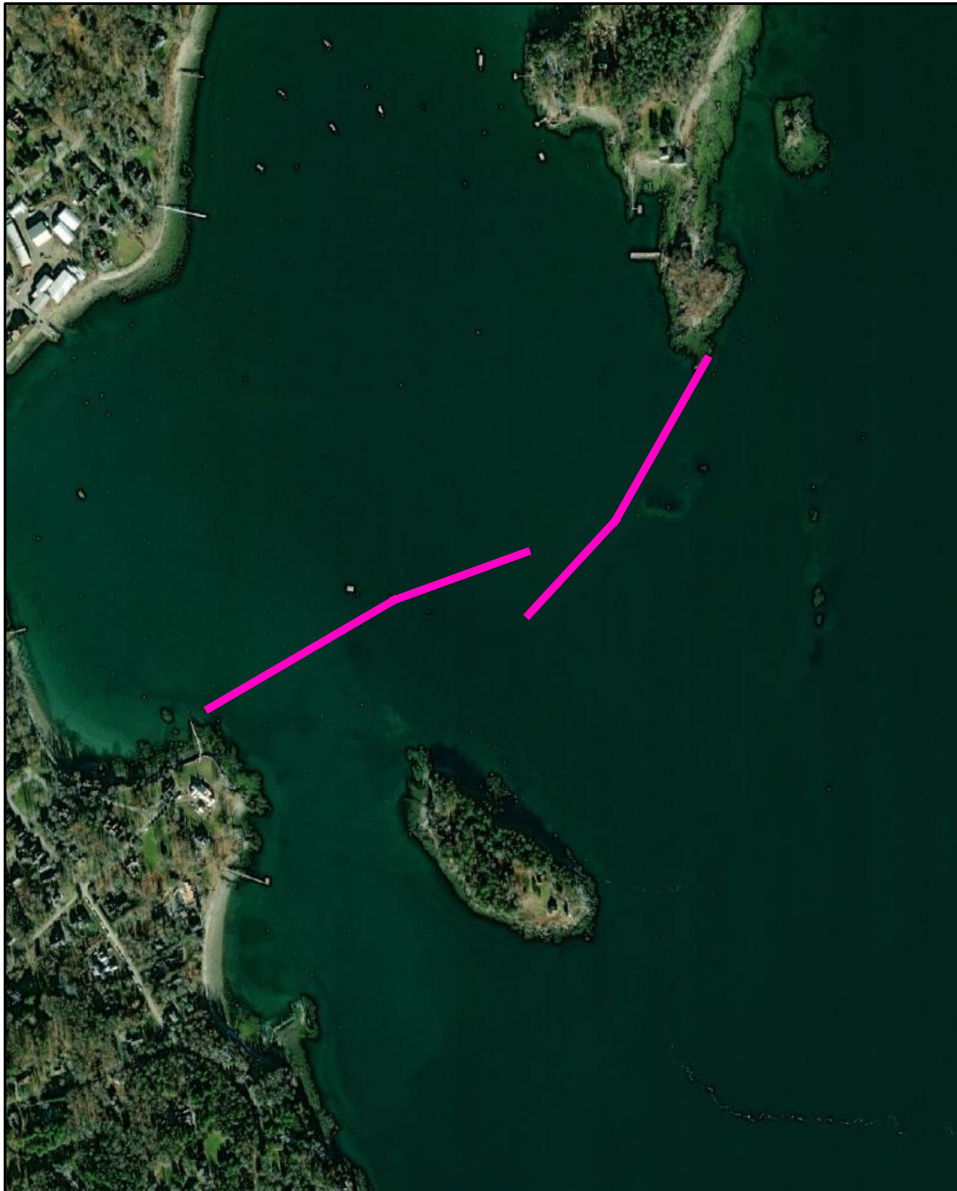
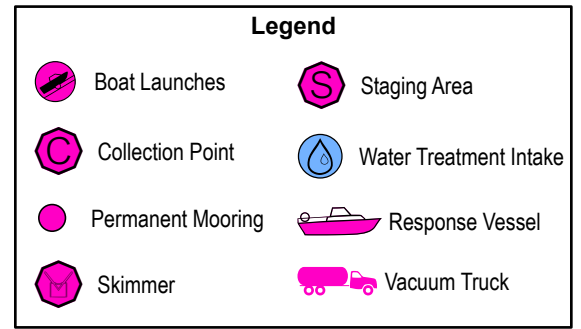
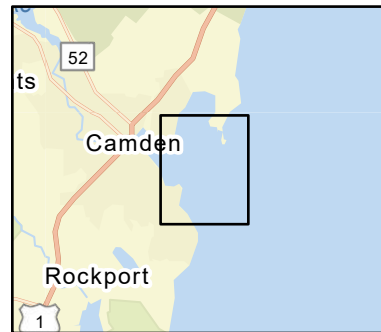
C-13-1

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

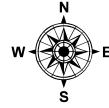
Last Field Visit: 9/15/2009

Last Field Test:

C-14-1

Ducktrap Harbor Lincolnville, ME

0 1,000 2,000
Feet

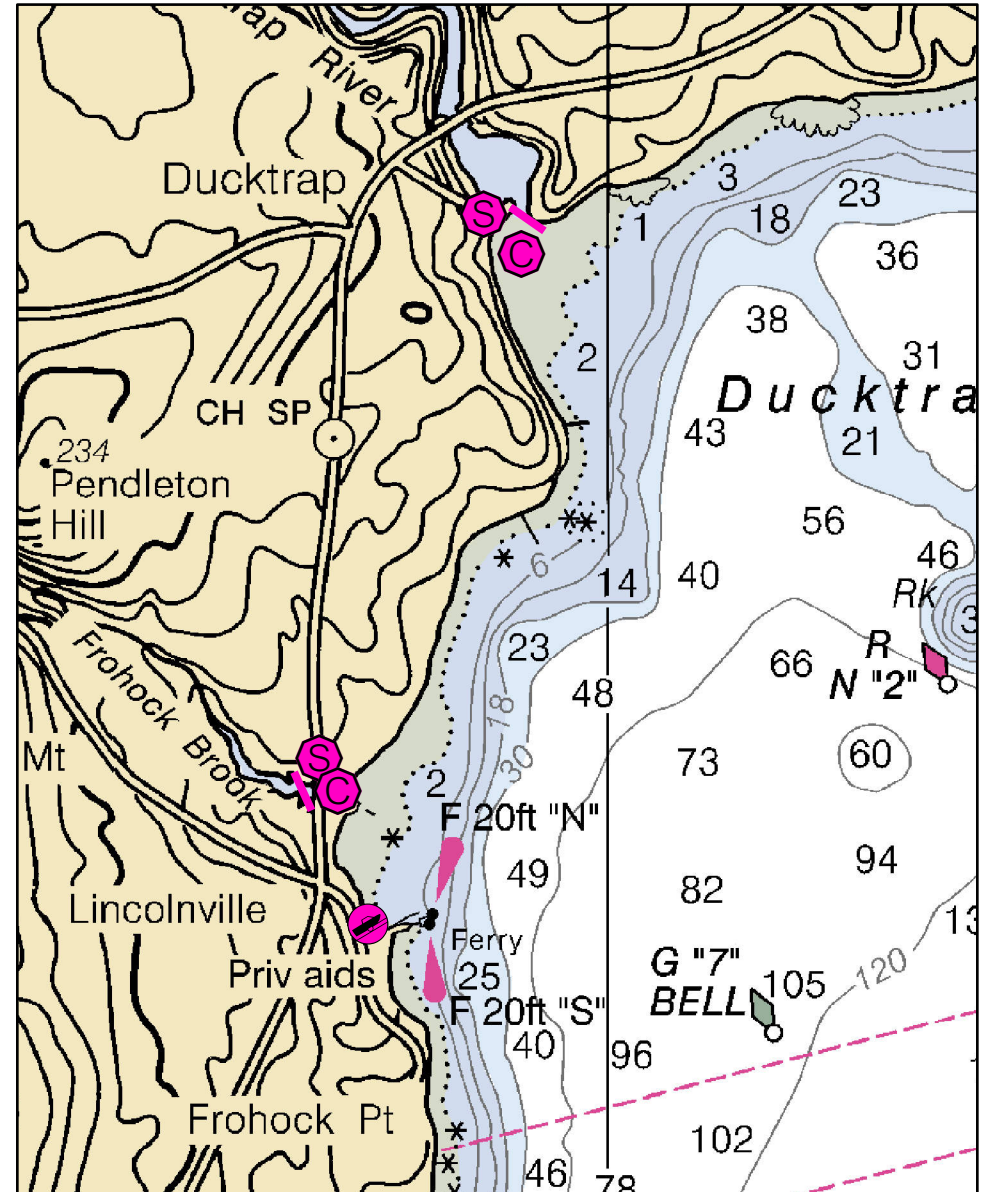
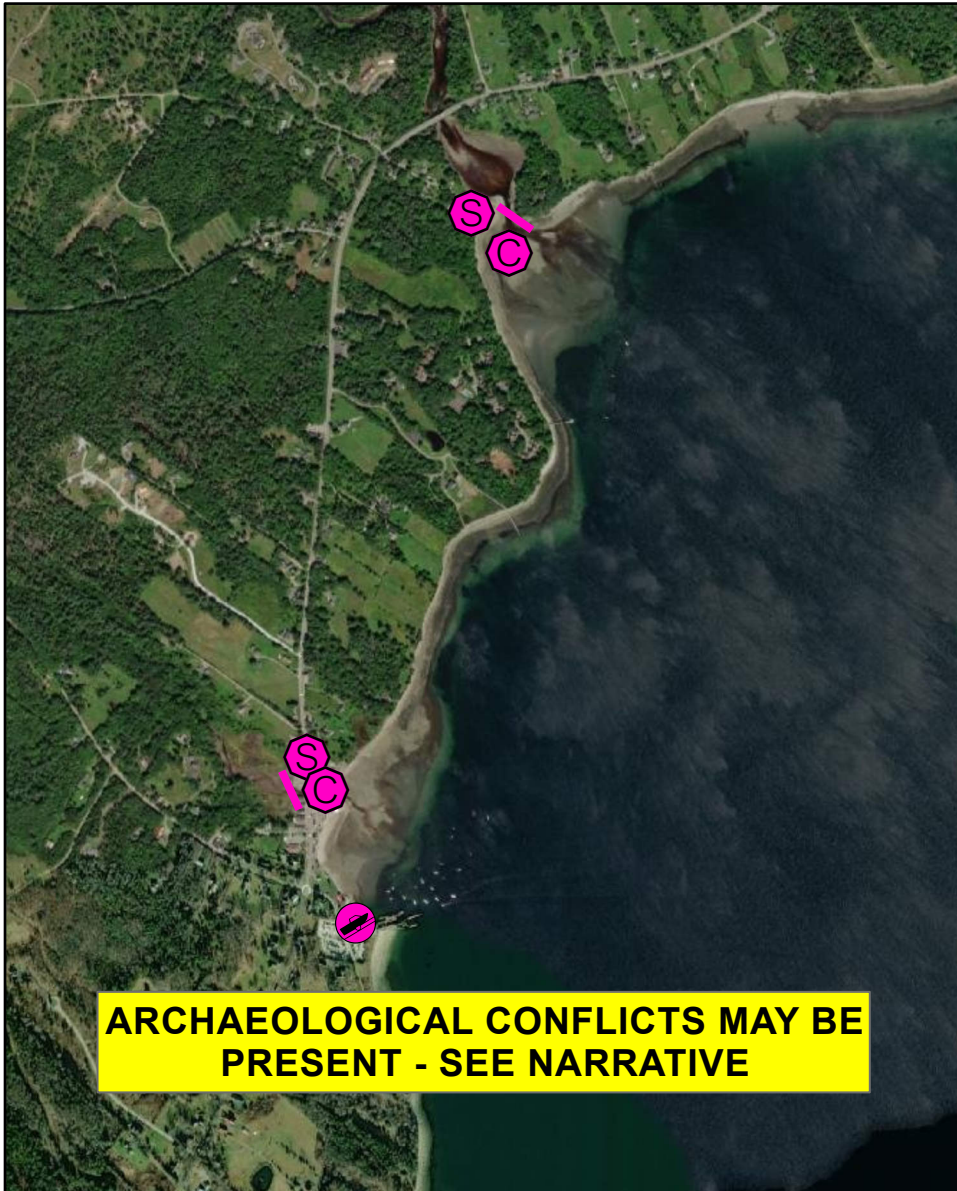


Date printed: 9/10/2022 7:52 PM



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

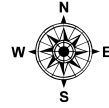
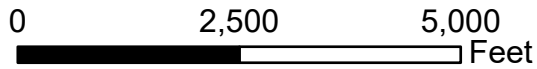
Last Field Visit 7/14/2011

Last Field Test:

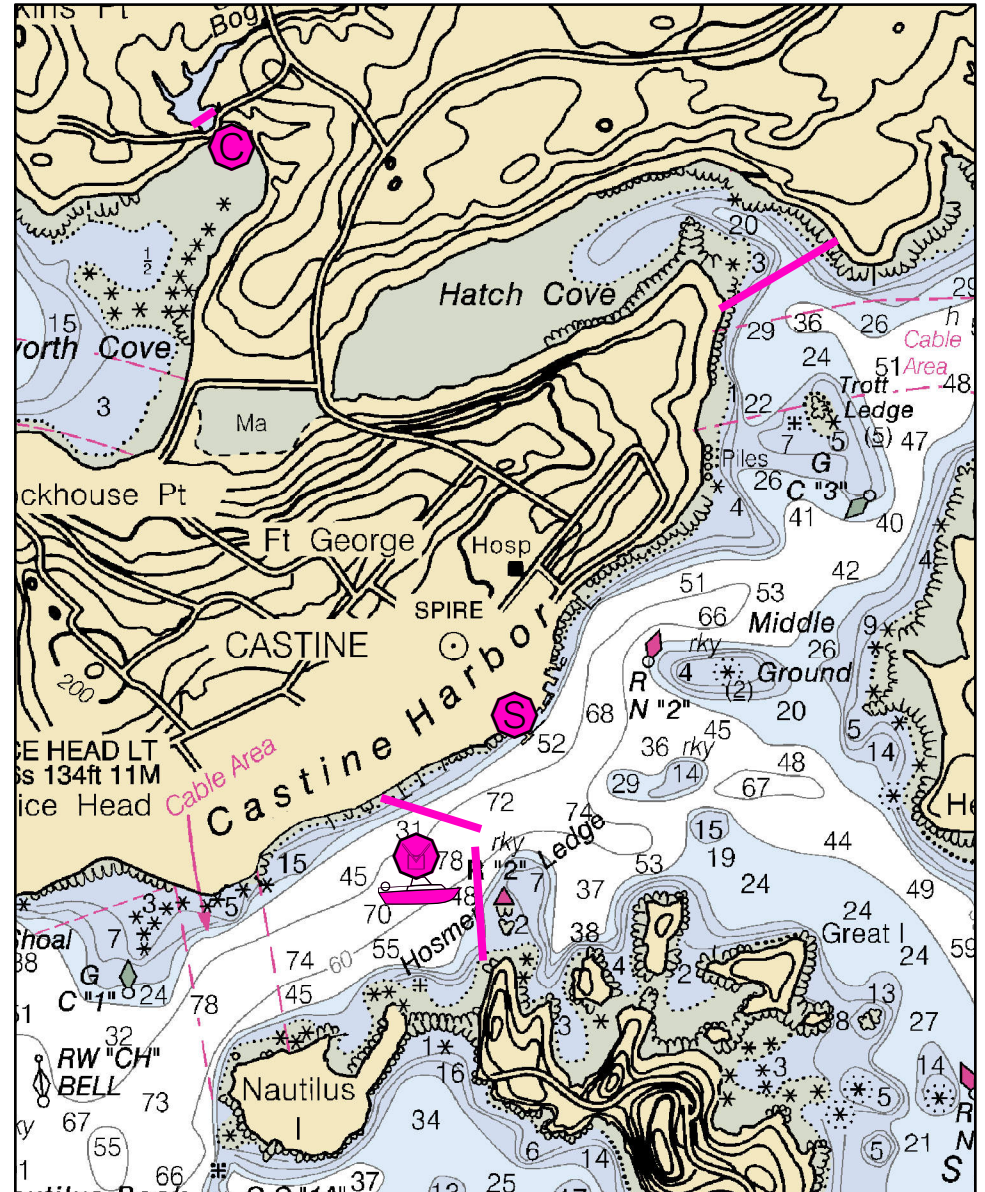
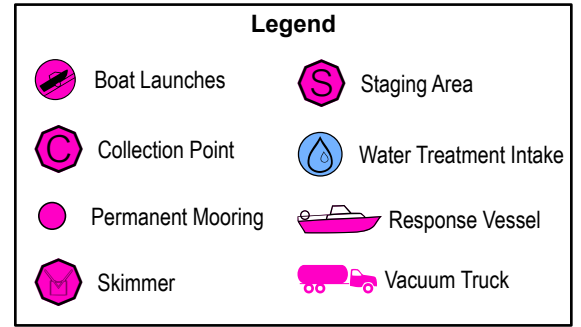
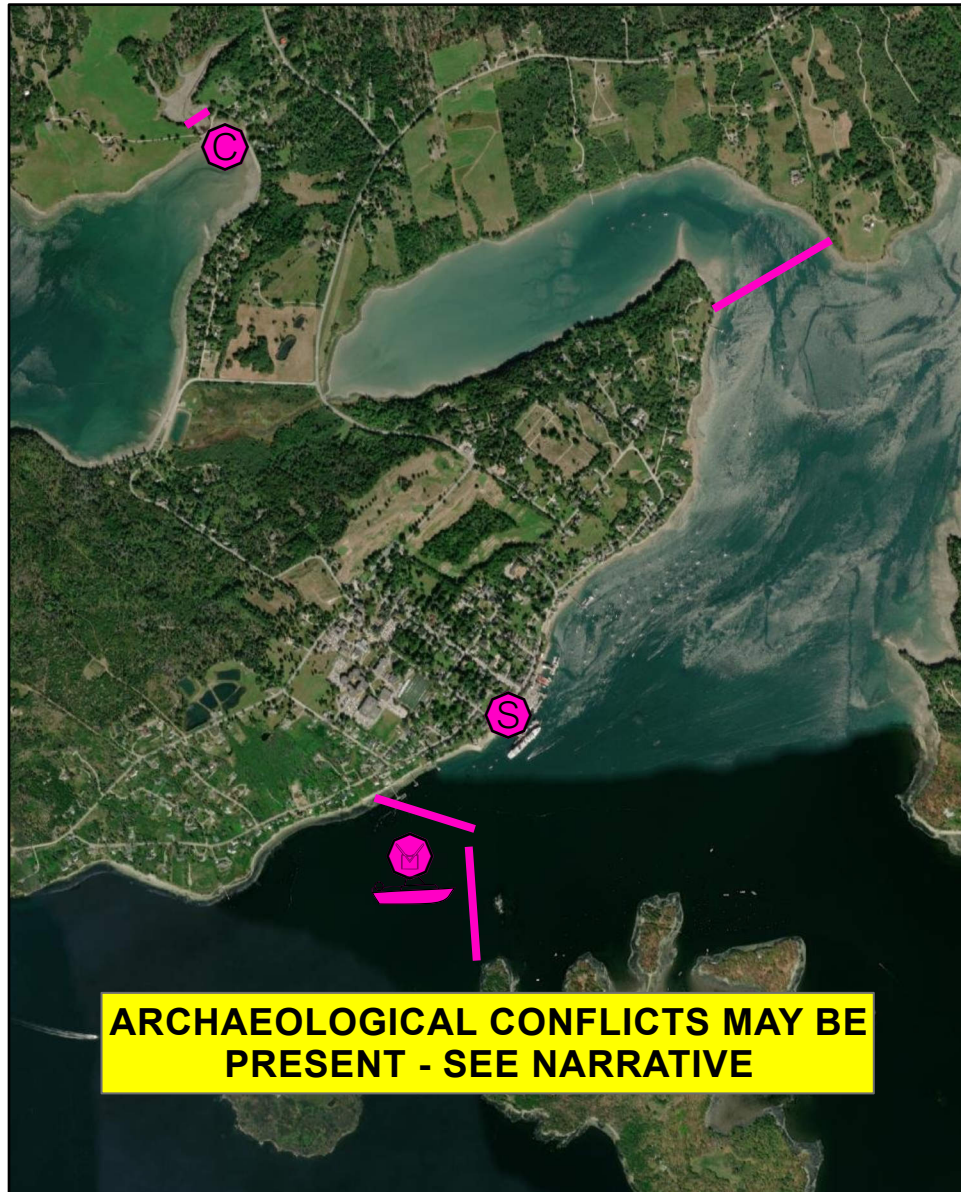
C-15-1

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.

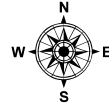
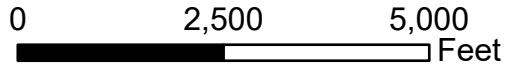
Last Desktop Validation: 9/27/2018

Last Field Visit: 7/14/2011

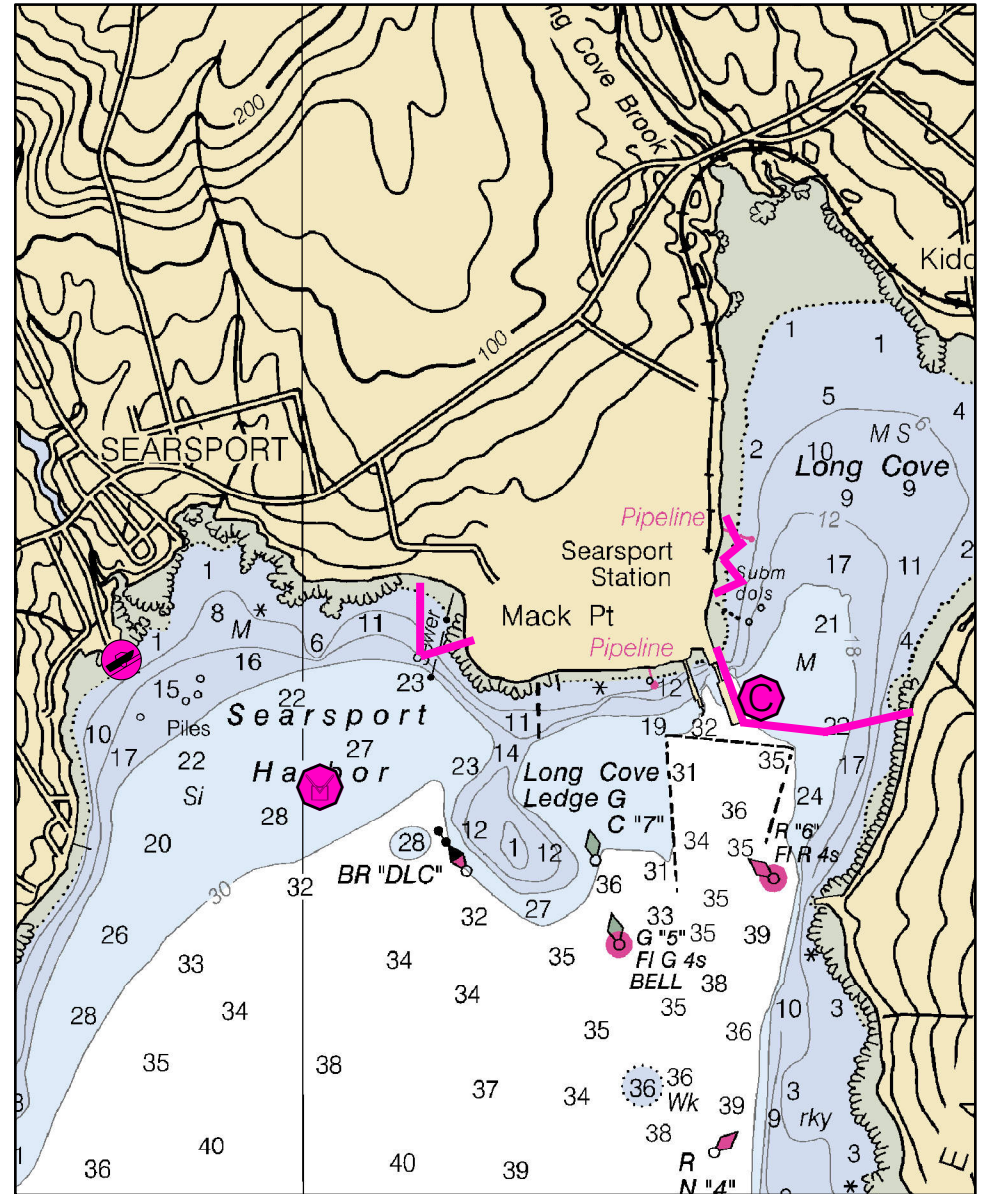
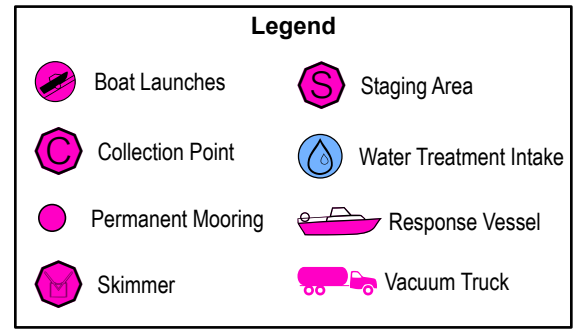
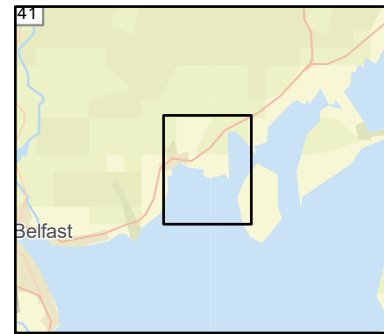
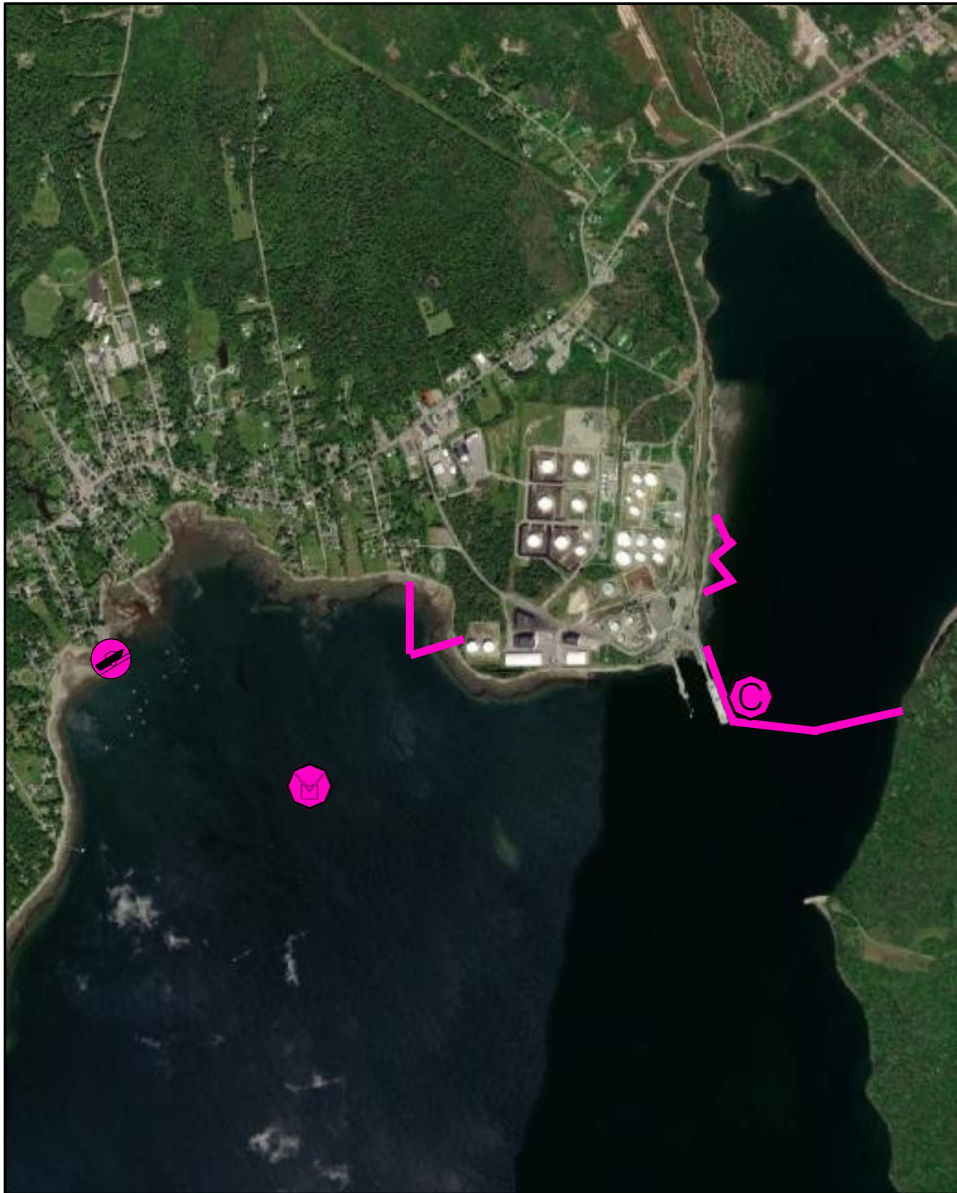
Last Field Test:

C-16-1

Mack Point / Long Cove Searsport, ME



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



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		EVI Map #	64
		DeLorme Map # (2019)	15 A1

Resources At Risk

ESI Primary Shoreline Type	Mixed sand and gravel beaches (5)
ESI Secondary Shoreline Type	Exposed, solid man-made structures (1B)

Environmental Concerns Large shellfish bed in eastern arm of Penobscot River. Shellfish beds and eelgrass along shore.

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

Strategy Information

Strategy Purpose	To contain oil in Long Cove or contain oil discharge from storm drains
Staging Areas	Mack Point Marine Terminal (Sprague/Irving)
Site Access	Access terminal from Route 1, Searsport. Nearest address: 73 Trundy Rd., Searsport, ME
Nearest Boat Ramp	Searsport Harbor or Stockton Springs
Collection Points	Long Cove, or containment at stormwater outfalls
Special Instructions	Sprague's terminal has spooled boom; the boom's availability for response cannot be counted upon especially if the release is related to their operations. Tidal strength may make keeping belly out of boom difficult.
Work Assignment	<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)	Primary (at pier): 2 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys. 2 - shoreside connections. 1 - vacuum truck or skimmer and storage 2 - workboats with minimum 90 hp 2 - boat operators 4 - laborers	Secondaries (stormwater outfalls): 3 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag line with buoys. 5 - shoreside connections 1 - vacuum truck or skimmer and storage 1 - boat operator 4 - laborers	

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

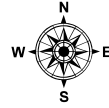
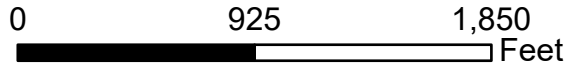
Last Desktop Validation: 10/23/2018

Last Field Visit: 8/22/2005

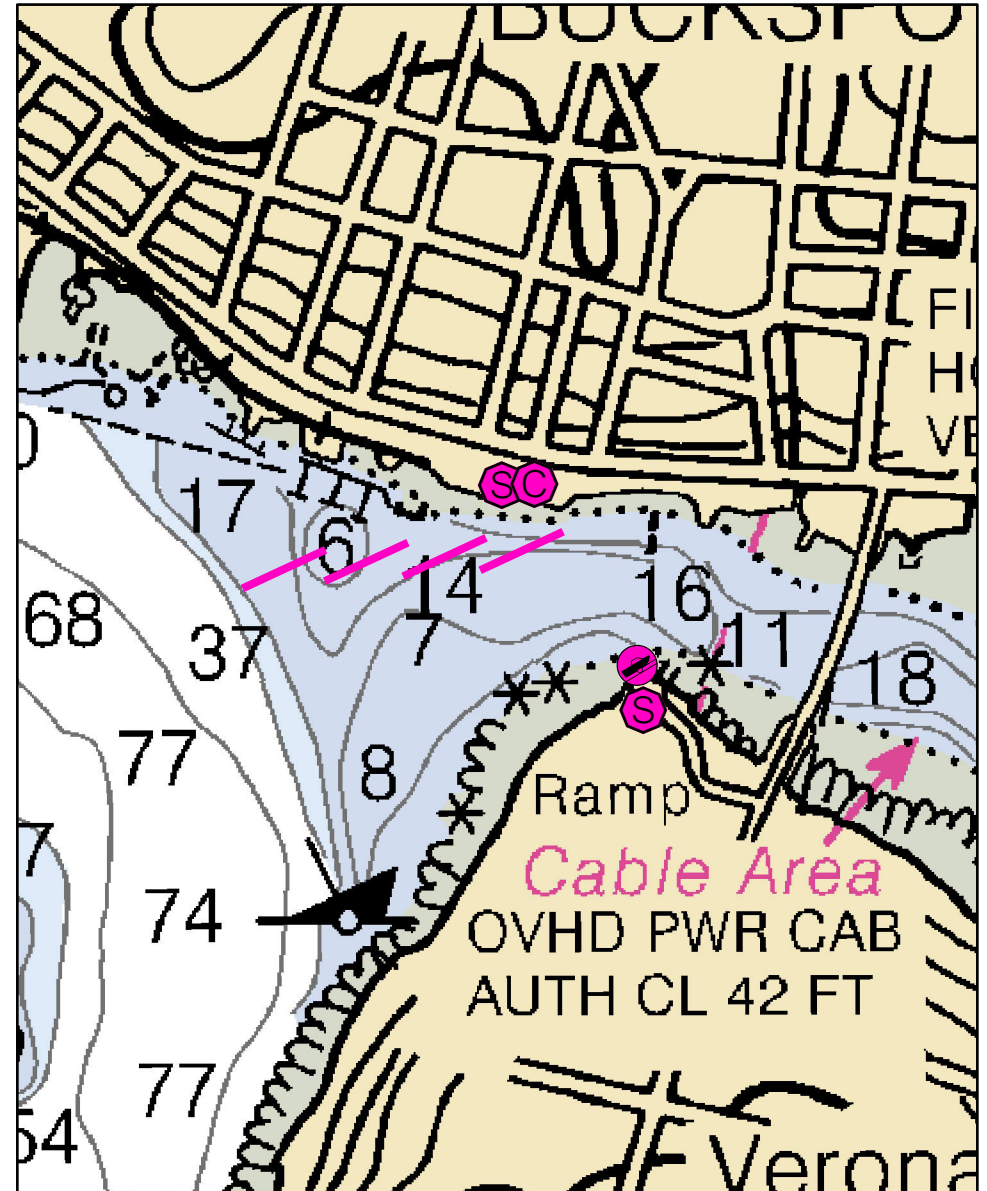
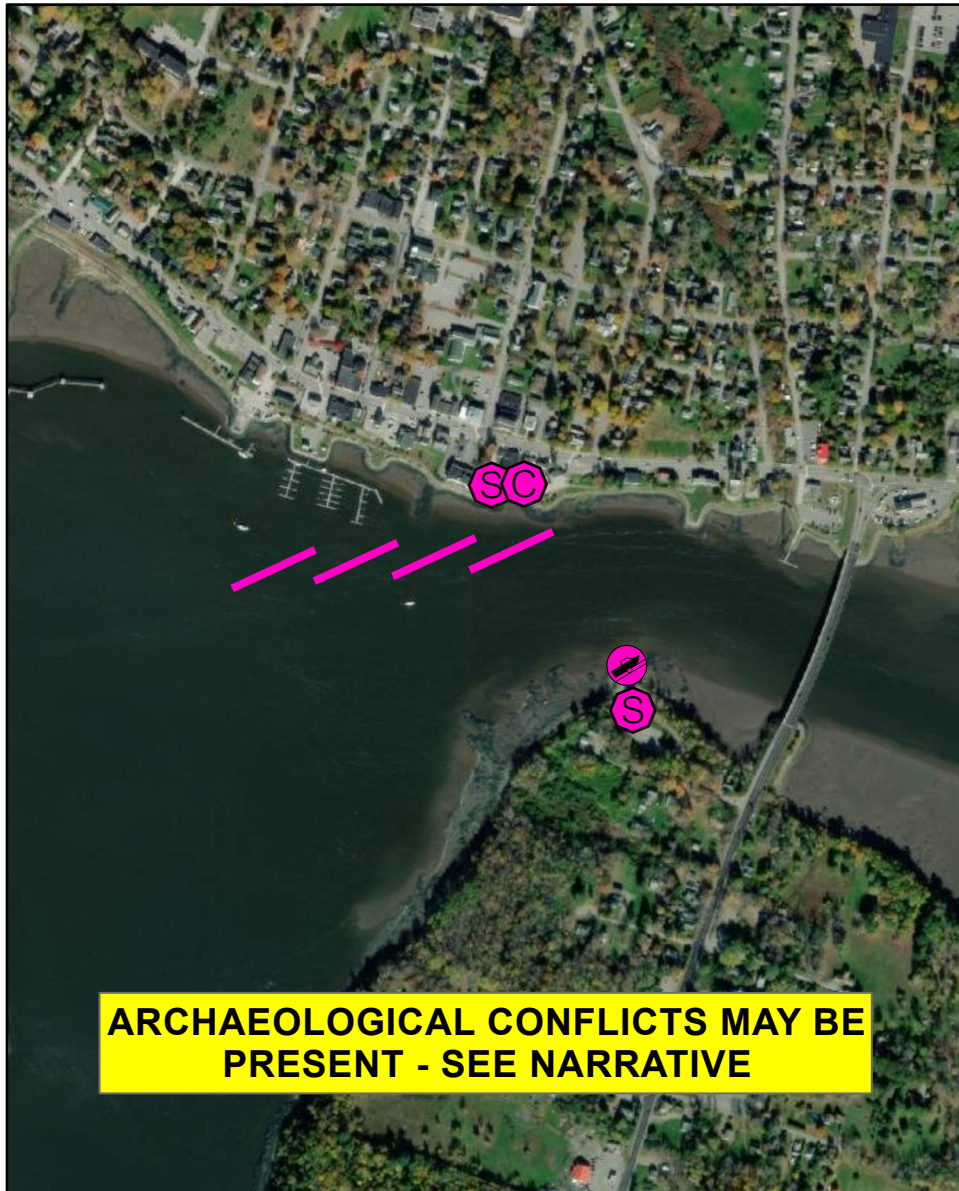
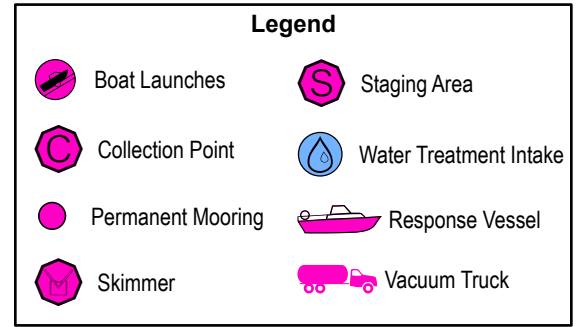
Last Field Test: 9/22/2021

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.

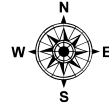
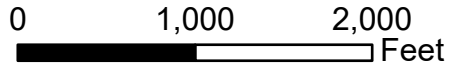
Last Desktop Validation: 10/26/2018

Last Field Visit: 10/25/2011

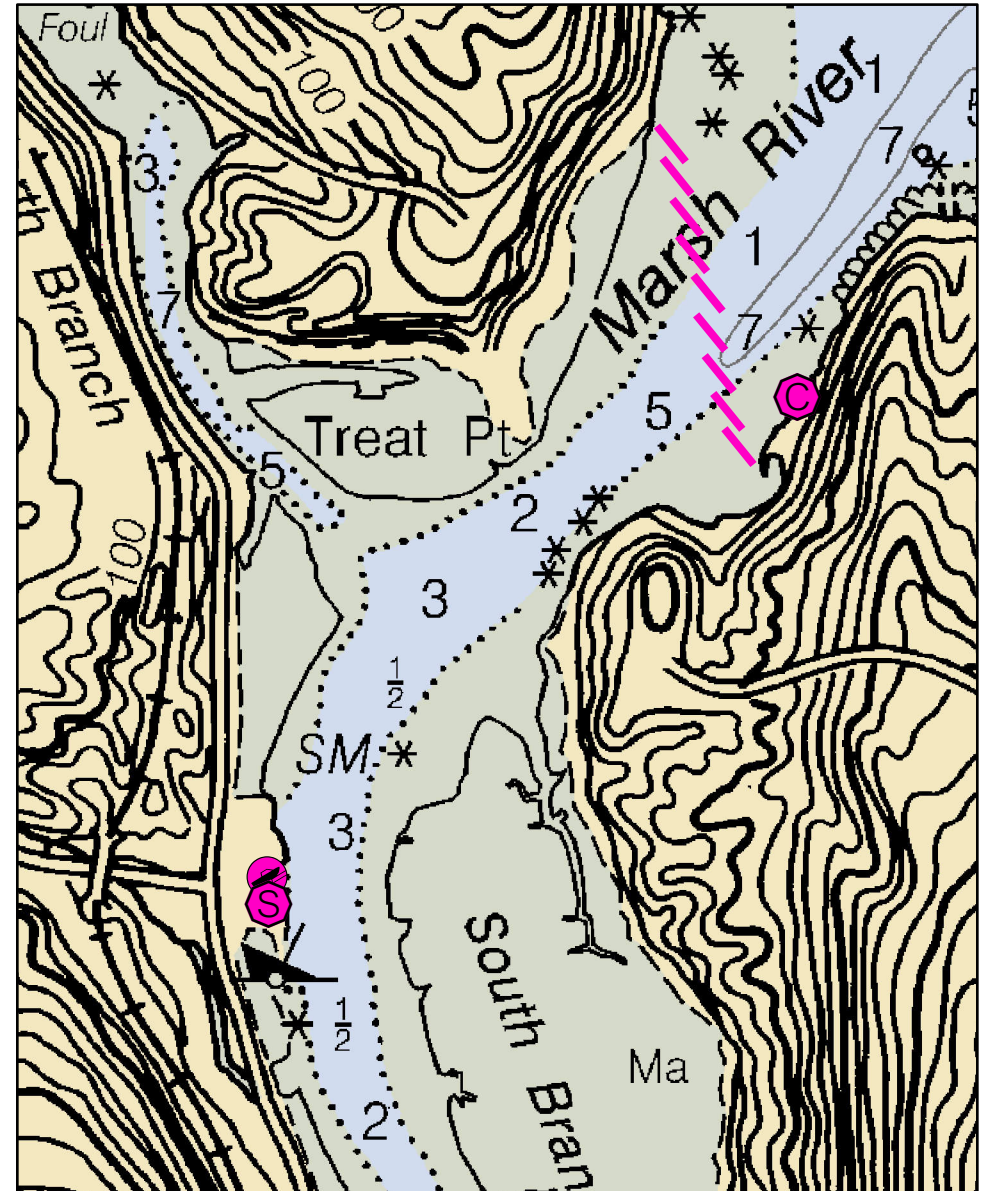
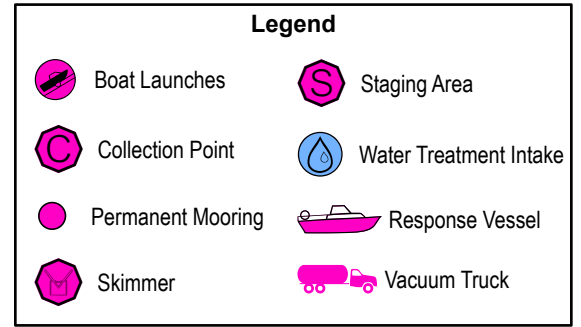
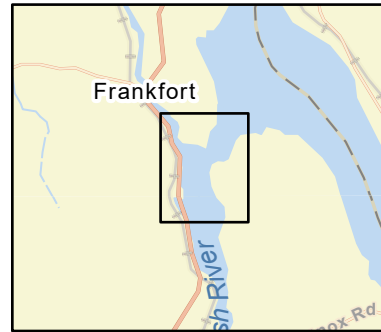
Last Field Test: 10/25/2011

C-18-1

Frankfort / Marsh River Frankfort / Marsh River, ME



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



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.

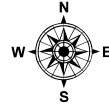
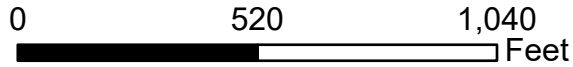
Last Desktop Validation: 7/15/2014

Last Field Visit: 8/24/2005

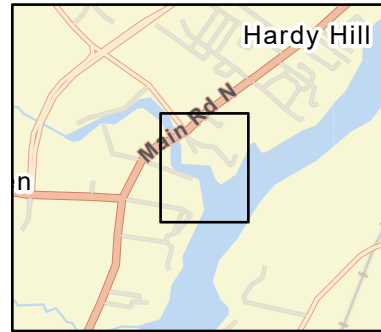
Last Field Test: 7/16/2008

C-19-1

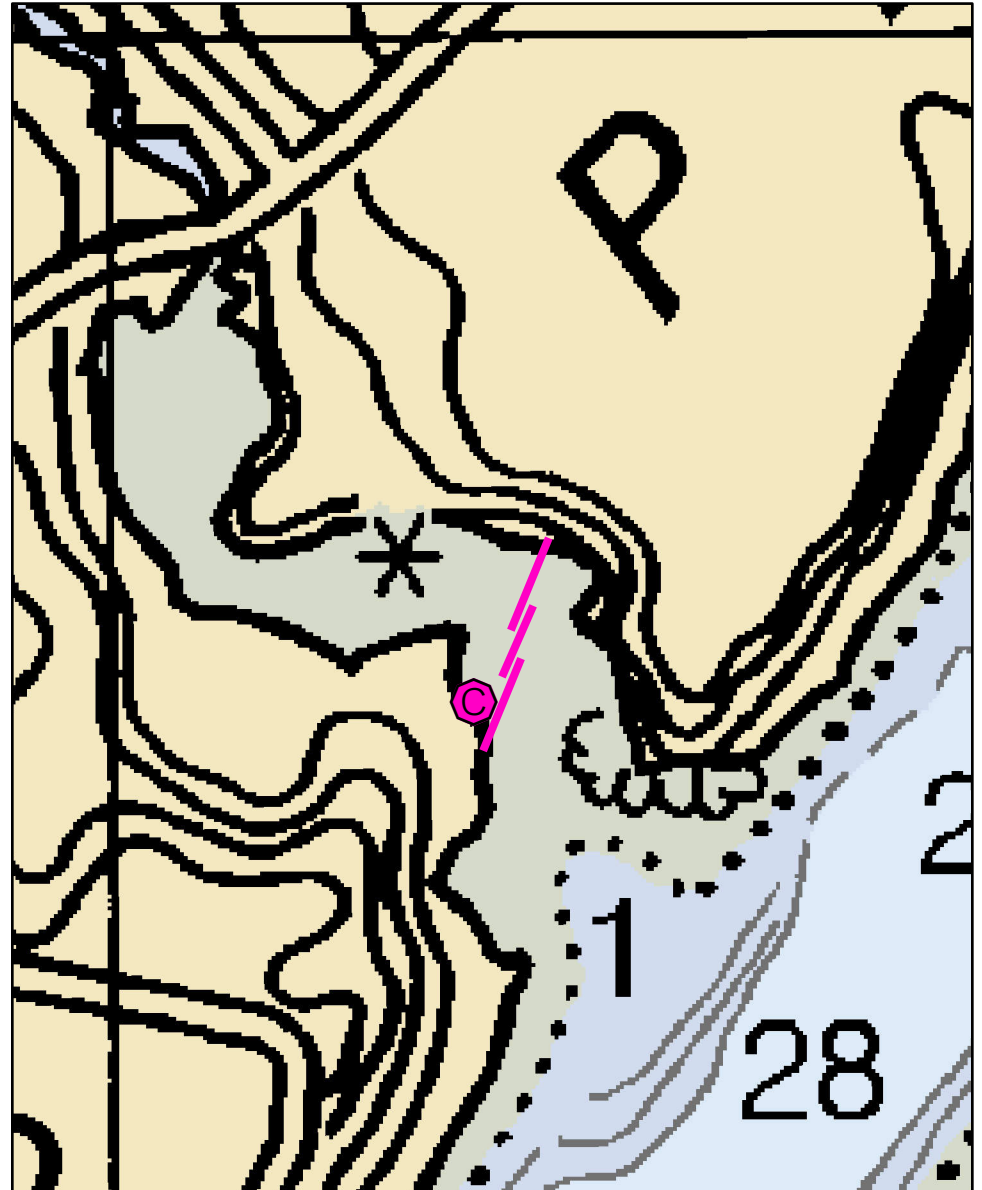
Souadabscook Stream Hampden, ME



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



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.

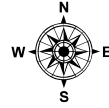
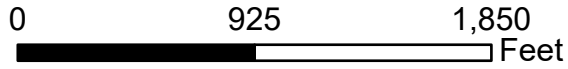
Last Desktop Validation: 10/26/2018

Last Field Visit

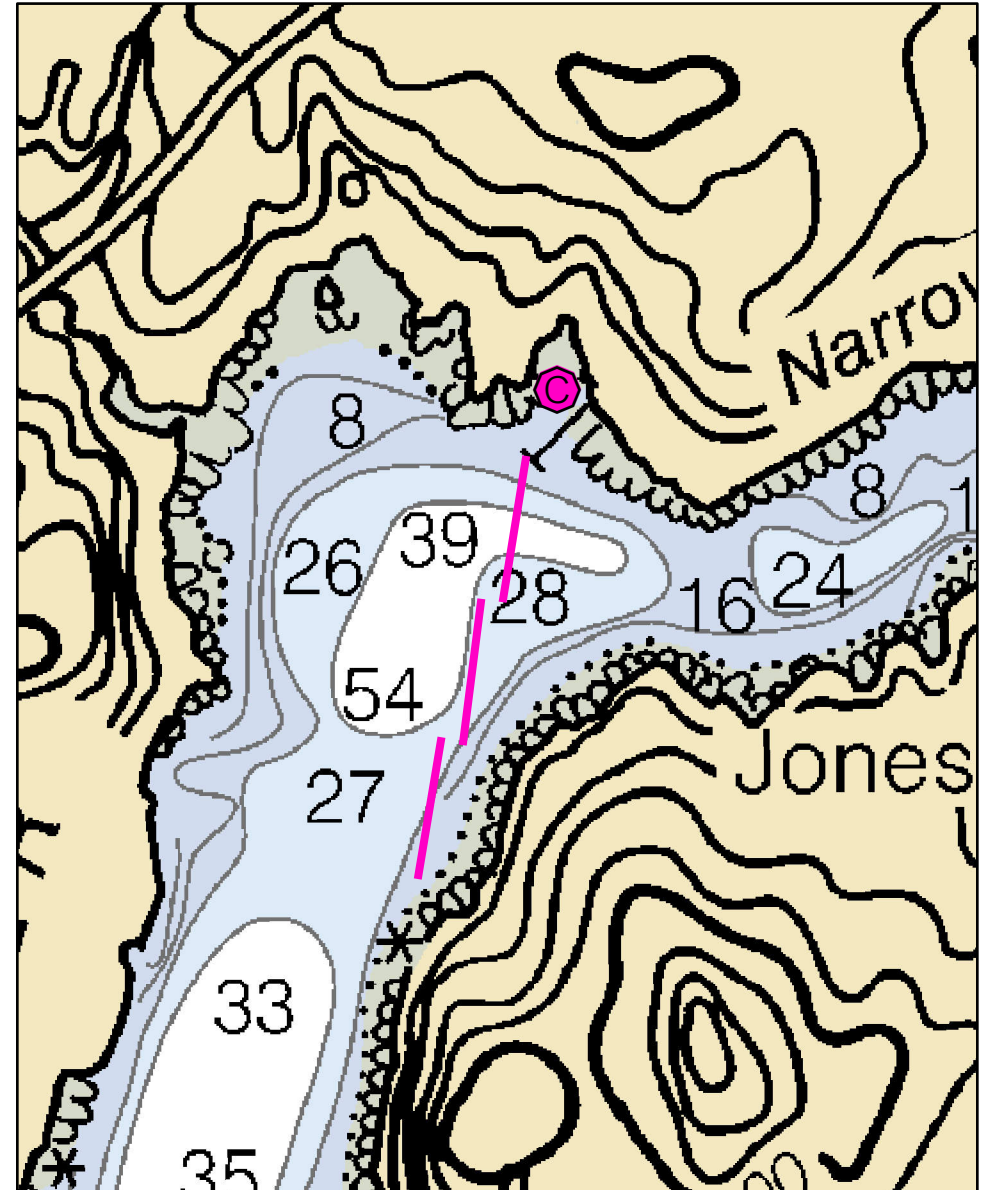
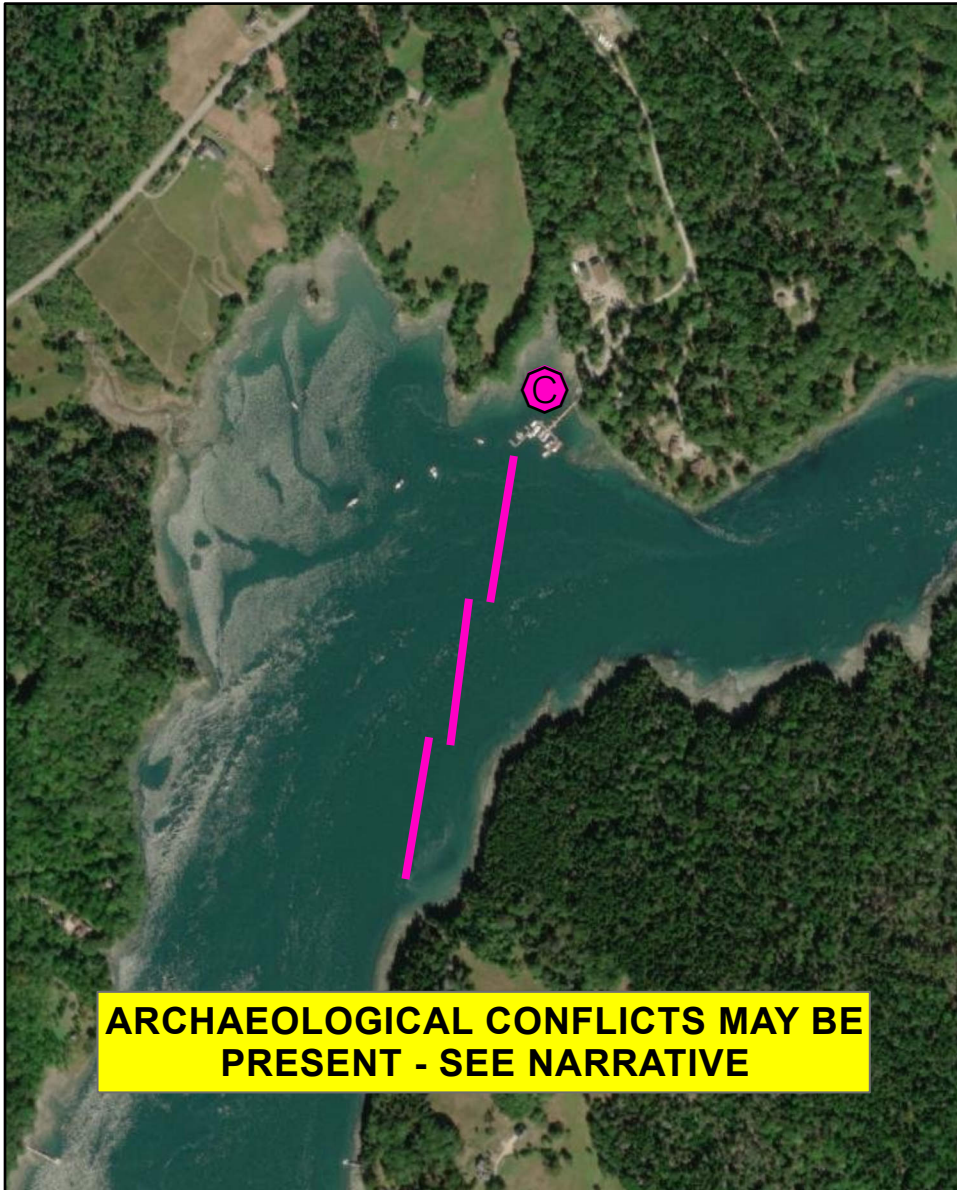
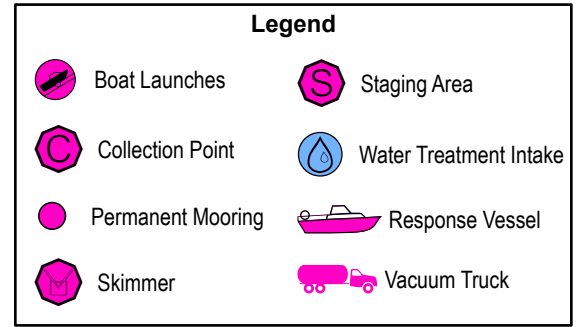
Last Field Test: 8/25/2016

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.

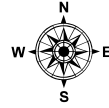
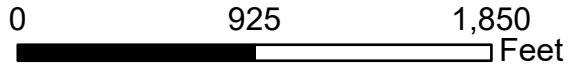
Last Desktop Validation: 1/5/2012

Last Field Visit 7/15/2011

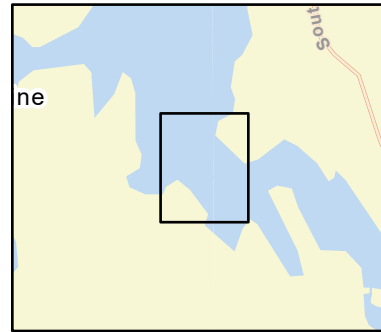
Last Field Test:

C-21-1

Upper Bagaduce River Penobscot / Brooksville, ME

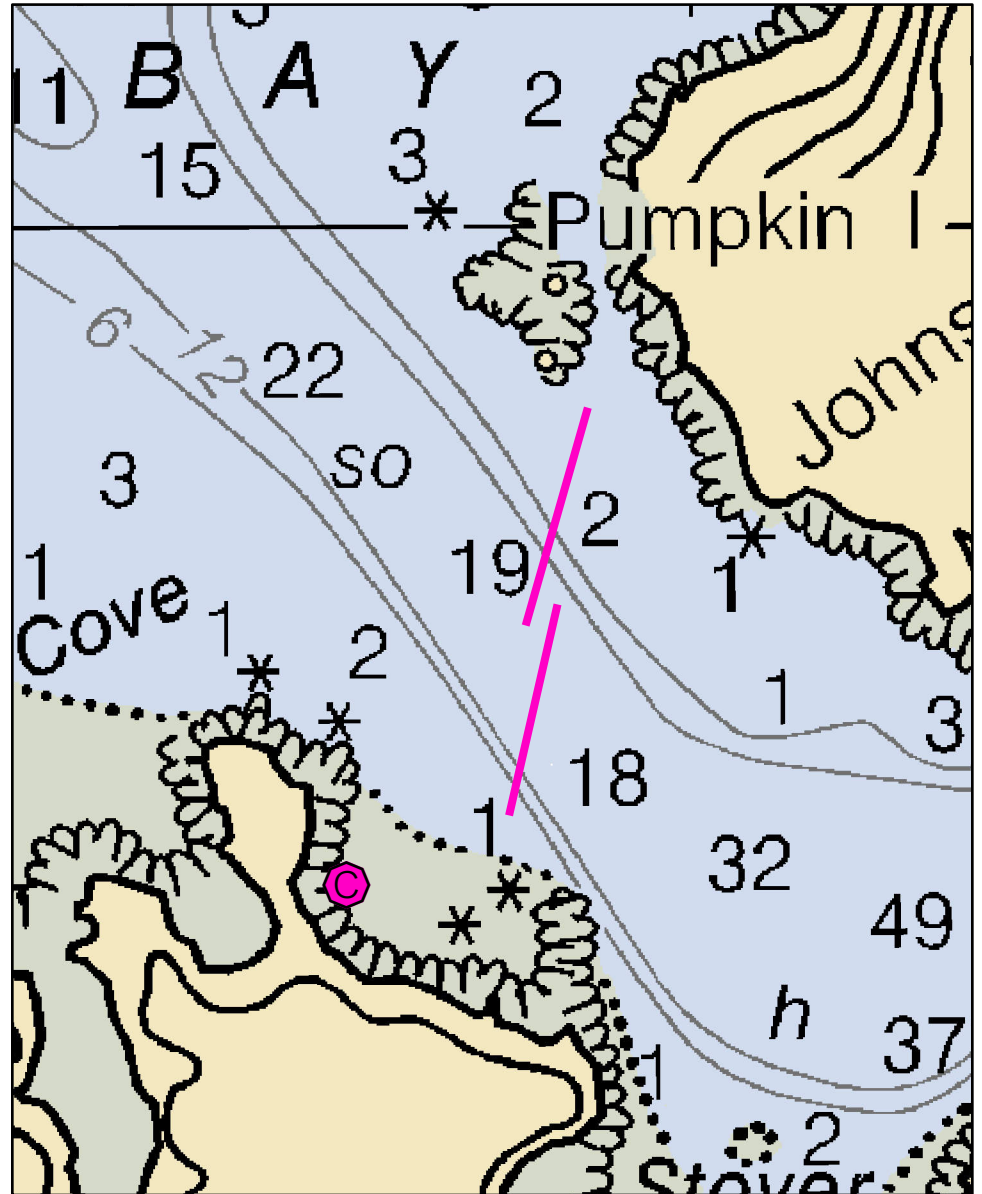


Date printed: 9/10/2022 7:52 PM



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.

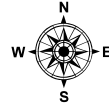
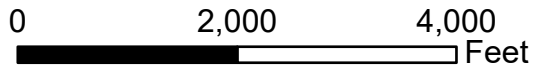
Last Desktop Validation: 1/5/2012

Last Field Visit 7/15/2011

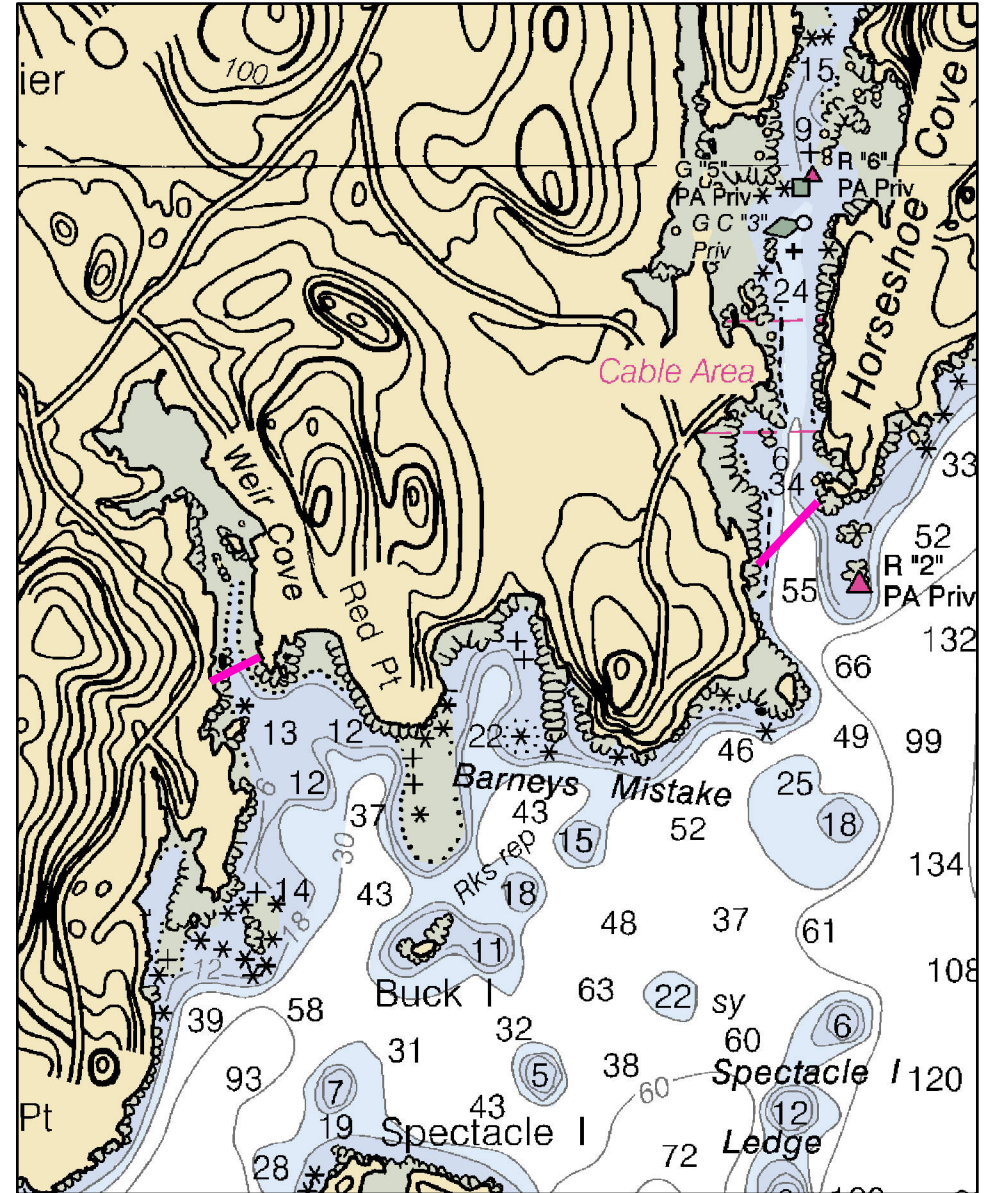
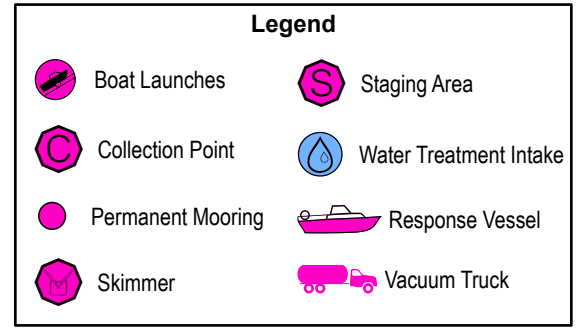
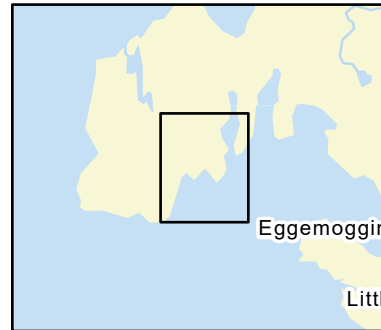
Last Field Test:

C-22-1

Weir Cove / Horseshoe Cove Brooksville, ME



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



C-22-1 Weir Cove / Horseshoe Cove

Town Brooksville

Latitude 44° 19.037' N **Longitude** 68° 46.354' W

Approx. Tidal Range (feet) 9

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

Source estimated

Port Region Penobscot Bay

NOAA Chart # 13309_1

ESI Map # 23C

EVI Map # 58

DeLorme Map # (2019) 15 C2

Resources At Risk

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

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

Environmental Concerns Shellfish and marine worm habitat in upper reaches of both coves. Eelgrass and salt marsh in upper Horseshoe Cove

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

Strategy Information

Strategy Purpose To exclude oil from upper reaches of Weir and Horseshoe Coves

Staging Areas Betsy's Cove Town Landing, Brooksville

Site Access By water

Nearest Boat Ramp Small ramp with limited parking at Betsy's Cove Town Landing at Buck Harbor in Brooksville. Nearest street address: 757 Coastal Road, Brooksville (off Rte. 176) Nearest large boat ramp is Castine Town Dock.

Collection Points Primary strategy is exclusion.

Special Instructions Both coves have residences with fields adjacent to the water, but shoreline and nearshore are rocky. Horseshoe Cove uses one length of boom, as mid-point is deep for anchoring.

Work Assignment Place 450 feet of boom across mouth of Weir Cove and 750 feet of boom across mouth of Horseshoe Cove. Horseshoe Cove is the larger priority.

Recommended Equipment / Resources

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

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

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

Last Desktop Validation: 1/4/2019

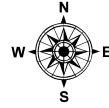
Last Field Visit

Last Field Test:

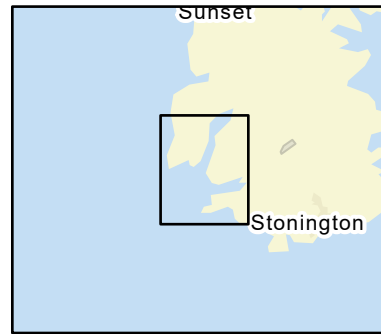
C-23-1

Crockett and Burnt Coves Deer Isle / Stonington, ME

0 1,000 2,000
Feet

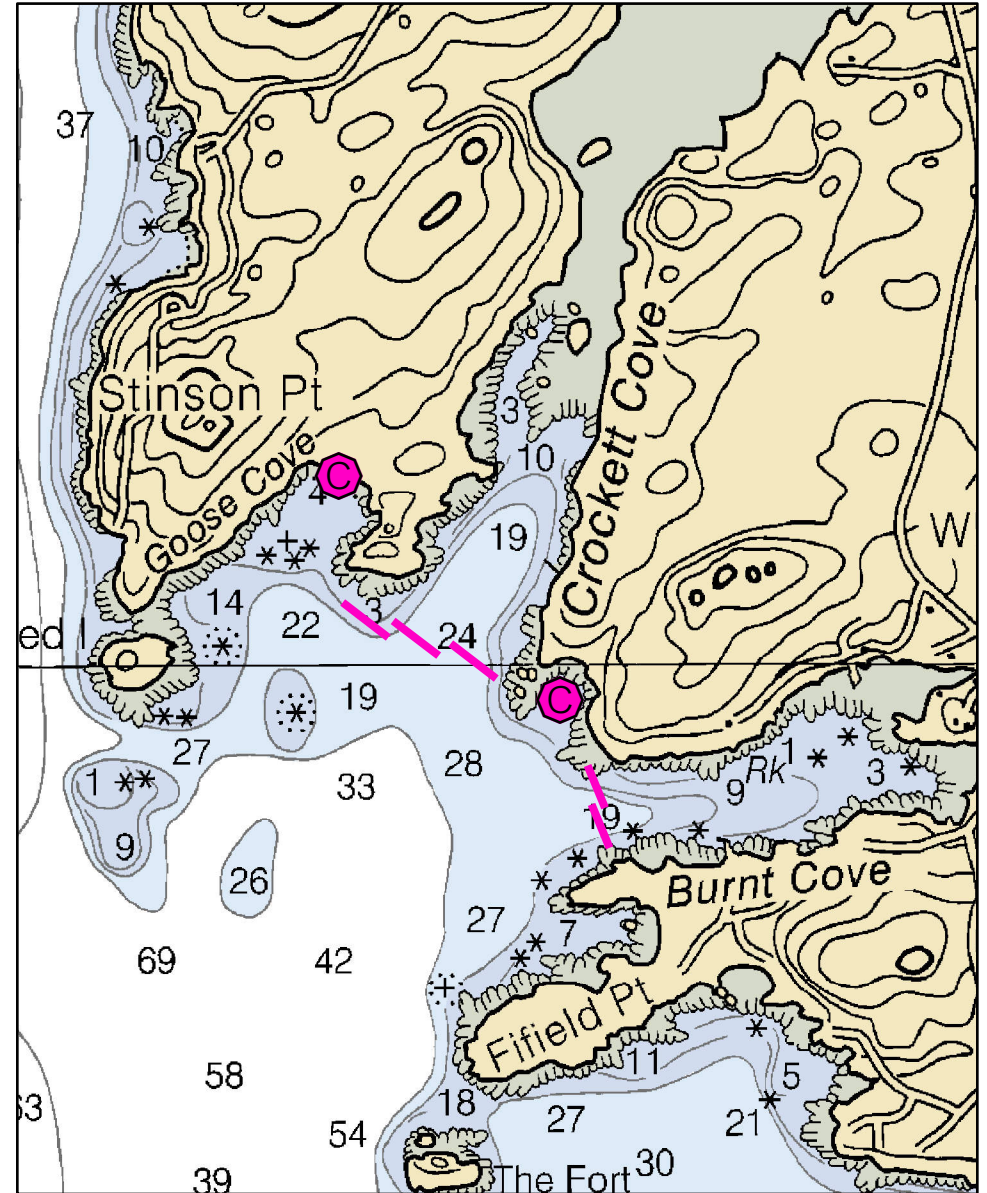
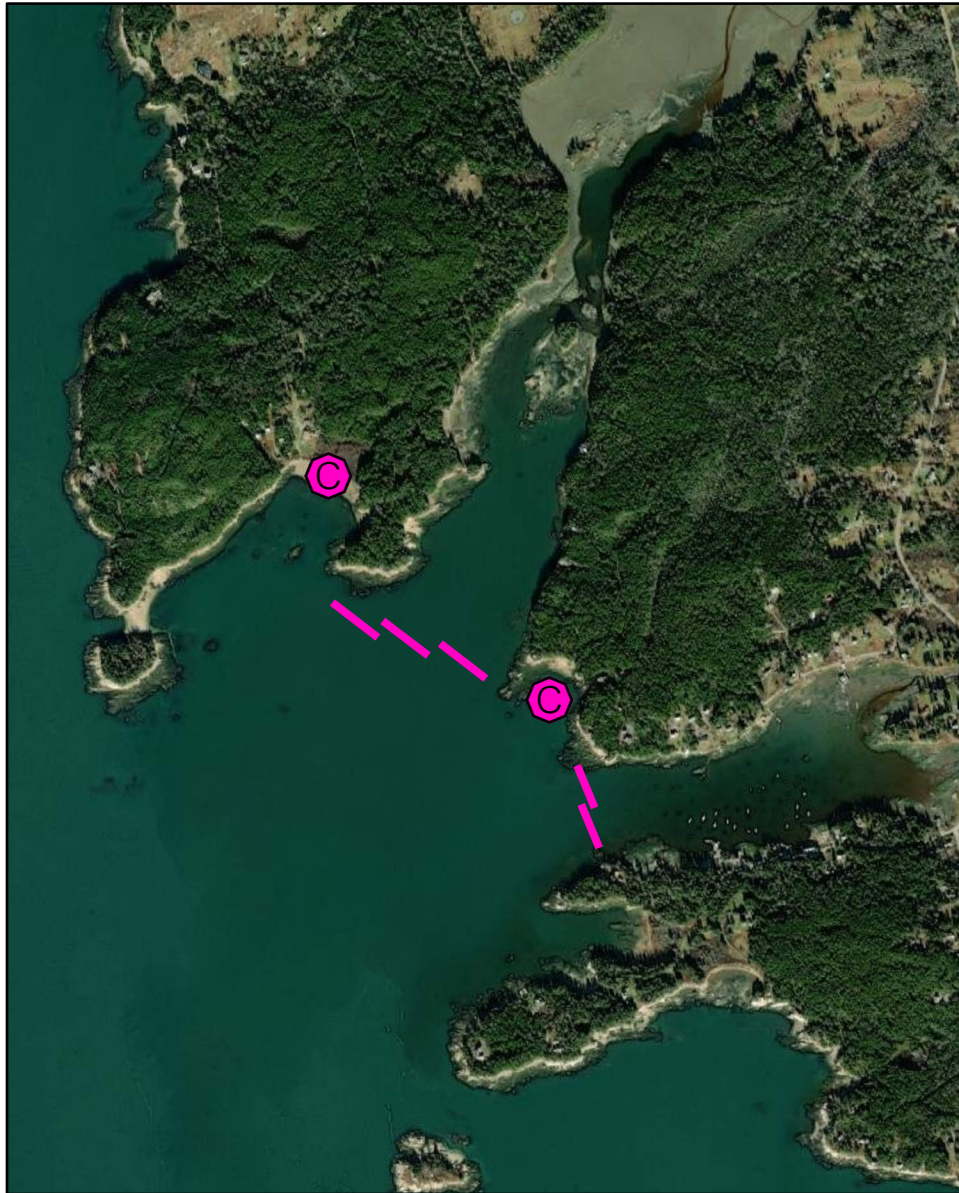


Date printed: 9/10/2022 7:53 PM



Legend

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



C-23-1 Crockett and Burnt Coves

Town Deer Isle / Stonington

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

Approx. Tidal Range (feet) 10

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

Source Local knowledge estimate

Port Region Penobscot Bay

NOAA Chart # 13305_1

ESI Map # 28C, 28D

EVI Map # 53

DeLorme Map # (2019) 15 D3, E3

Resources At Risk

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

ESI Secondary Shoreline Type

Environmental Concerns Crockett Cove: Tidal flats, shellfish beds, marine worm habitat, shorebird area and eelgrass. Burnt Cove: shellfish beds, eelgrass, shorebird area, lobster dealer.

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

Strategy Information

Strategy Purpose To exclude oil from Crockett and Burnt Coves

Staging Areas Stonington town dock, 1 High Street. May be possible to pull boom from Fifield Lobster Co., Fifield Point Road in Burnt Cove.

Site Access Rte. 1 to Rte. 15 to Stonington boat launch. Goose Cove: From Deer Isle village, right on Main St. and 3 miles to Goose Cove Road (Stinson Point)

Nearest Boat Ramp Stonington town dock

Collection Points Sand beach at Goose Cove Lodge is possible natural collection area.

Special Instructions Barred Island Preserve at mouth of Goose Cove is owned by Nature Conservancy.

Work Assignment Deploy two 500 foot lengths of boom across Burnt Cove and three 400 foot lengths of boom across Crockett Cove. Possible natural collection area at sand beach in Goose Cove (Goose Cove Lodge).

Recommended Equipment / Resources

Length of Boom (feet) 2200 **Type of Boom** 12" - 18" containment boom

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

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

Last Desktop Validation: 1/6/2019

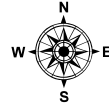
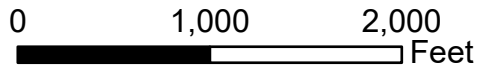
Last Field Visit: 7/14/2011

Last Field Test:

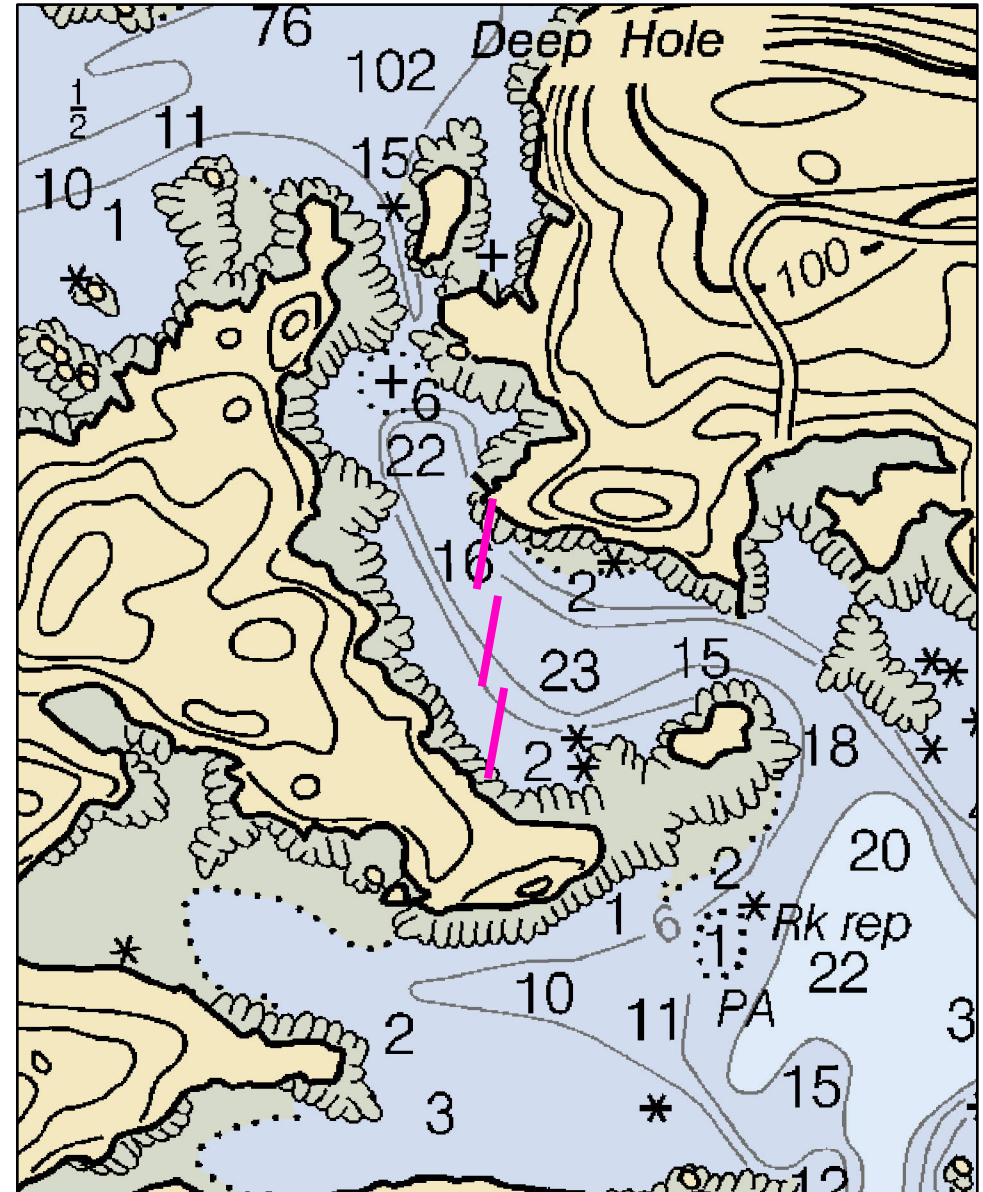
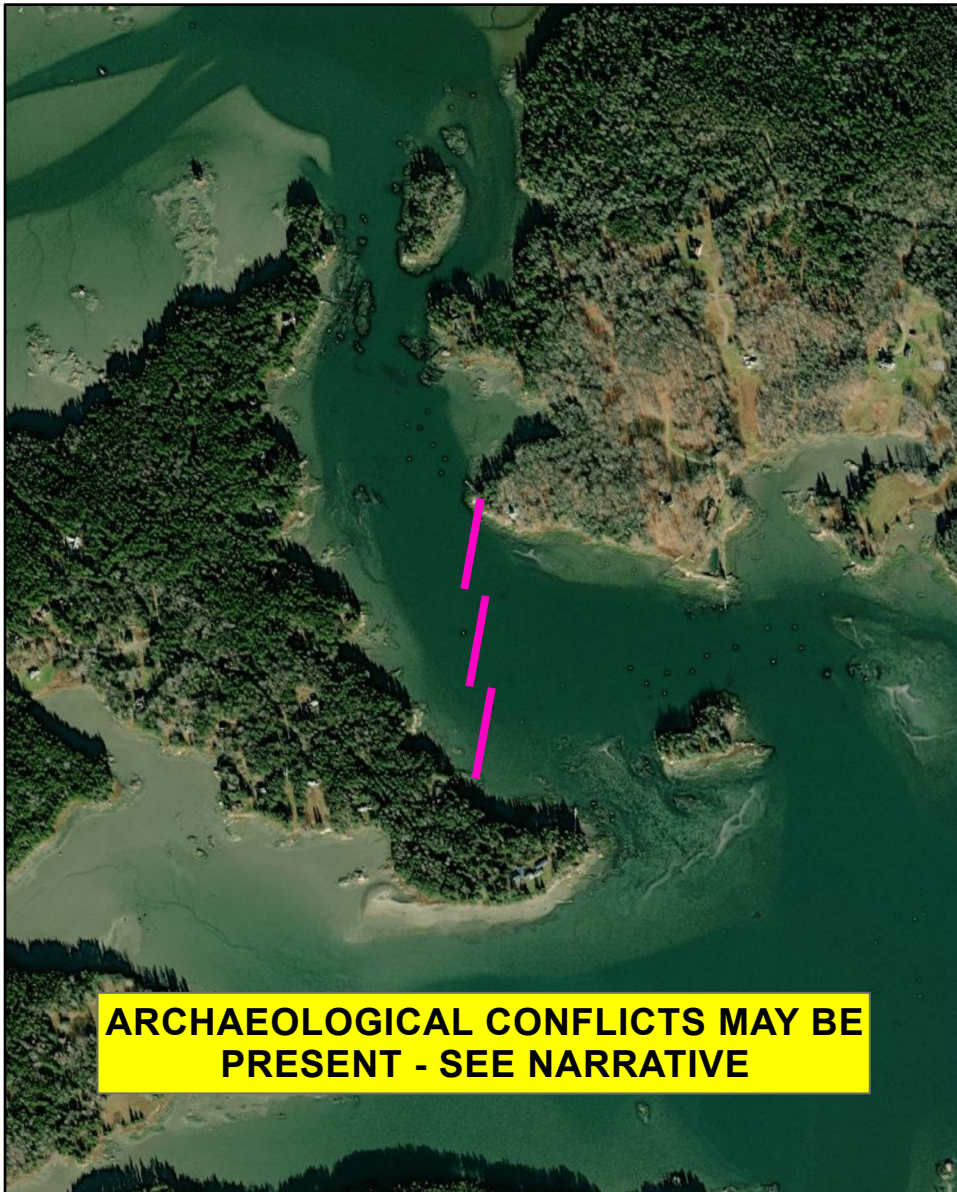
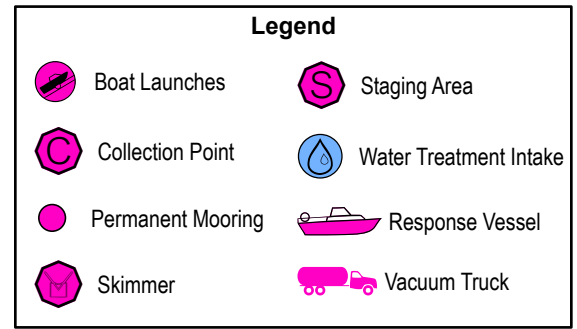
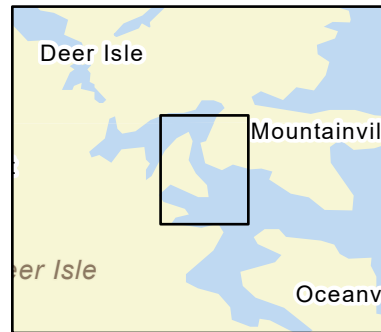
C-24-1

Eastern Deer Isle

Deer Isle / Stonington, ME



Date printed: 9/11/2022 6:51 AM



C-24-1 Eastern Deer Isle

Town Deer Isle / Stonington

Latitude 44° 12.346' N **Longitude** 68° 39.273' W

Approx. Tidal Range (feet) 10

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

Source

Port Region Penobscot Bay

NOAA Chart # 13316_1

ESI Map # 28A, 28C

EVI Map # 54

DeLorme Map # (2019) 15 D4

Resources At Risk

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

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

Environmental Concerns Shellfish beds, shorebird habitat, mudflats and eelgrass in upper Southwest Harbor

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

Strategy Information

Strategy Purpose To exclude oil from upper Southwest Harbor

Staging Areas May be able to pull boom from large private residence off Rte. 15 at 110 Osprey Point Drive, South Deer Island or from causeway on Rte. 115 at the head of Long Cove.

Site Access Same as staging above

Nearest Boat Ramp Stonington Town Dock, 1 High Street, Stonington

Collection Points Primary purpose is exclusion

Special Instructions

Work Assignment Place three 400 foot lengths of boom across channel as shown

Recommended Equipment / Resources

Length of Boom (feet) 1200

Type of Boom 12" - 18" containment boom

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

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

Last Desktop Validation: 1/4/2019

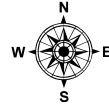
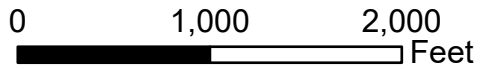
Last Field Visit

Last Field Test:

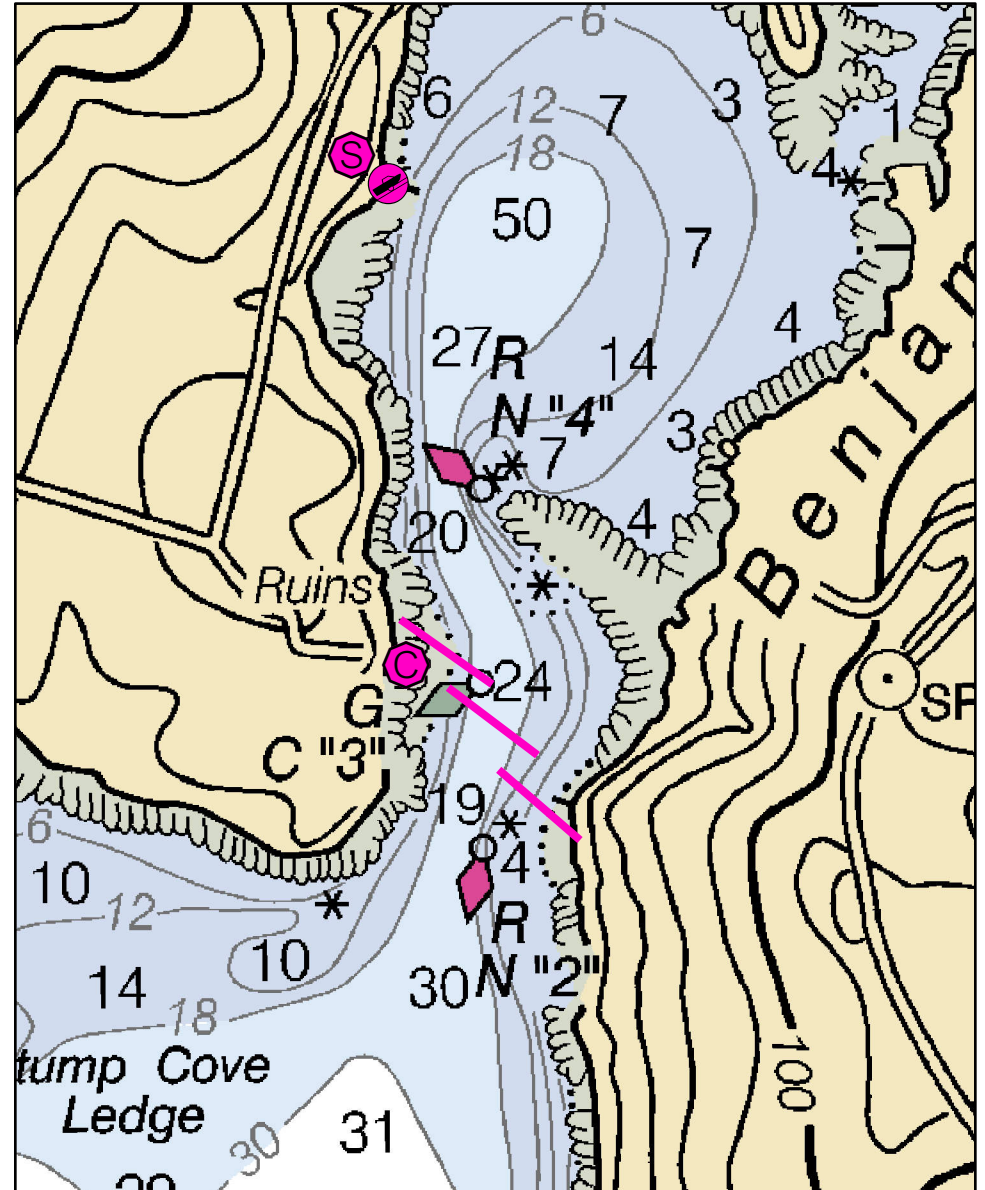
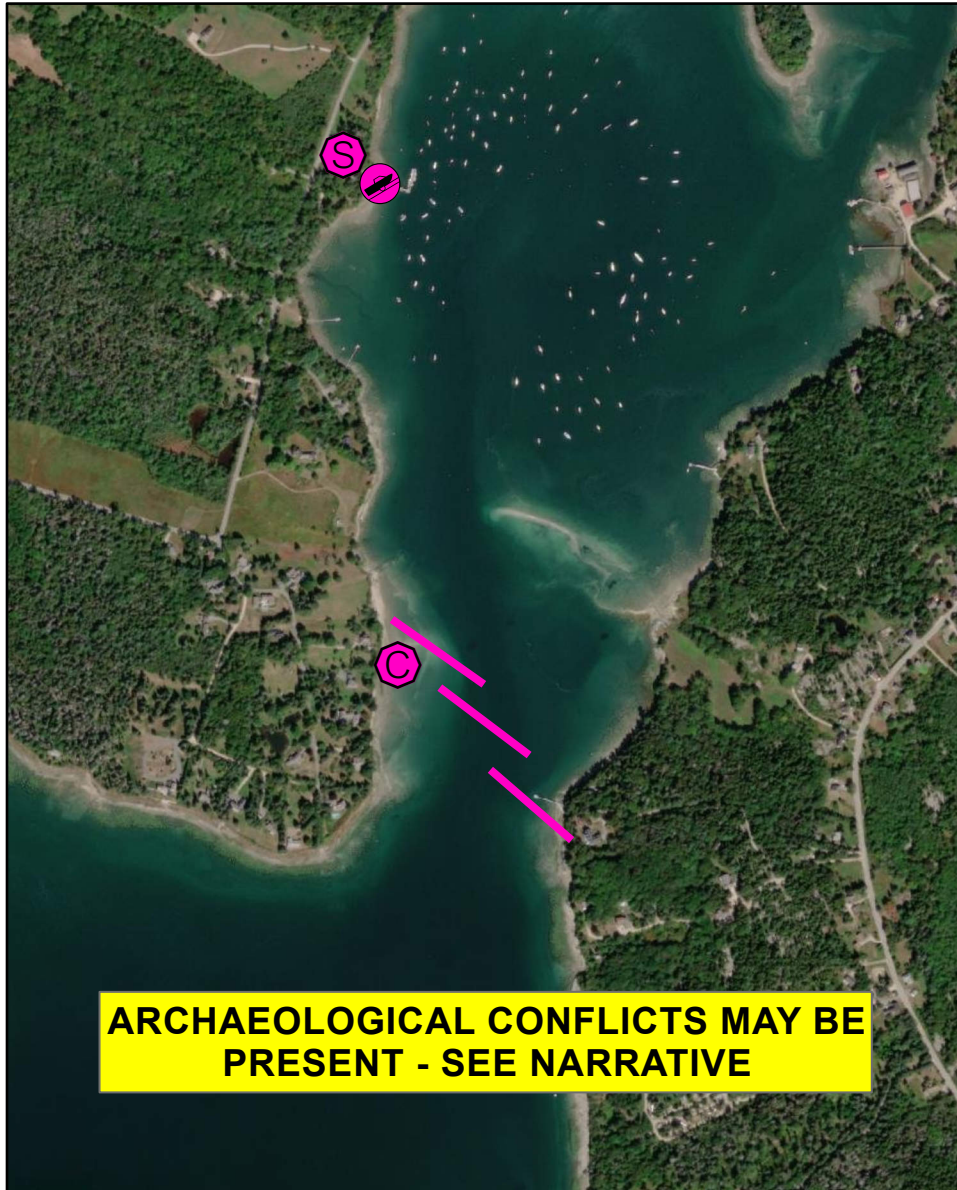
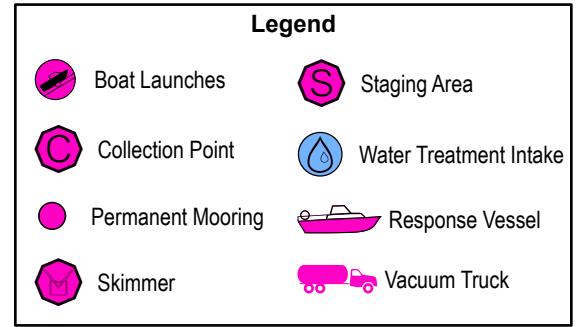
C-25-1

Benjamin River

Sedgwick / Brooklin, ME



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



C-25-1 Benjamin River

Town Sedgwick / Brooklin

Latitude 44° 17.288' N **Longitude** 68° 37.654' W

Approx. Tidal Range (feet) 10

Max Current (knots) Flood Ebb

Source

Port Region Penobscot Bay

NOAA Chart # 13316_1

ESI Map # 28A, 27B, 22C

EVI Map # 59

DeLorme Map # (2019) 15 C4

Resources At Risk

ESI Primary Shoreline Type Exposed tidal flats (7)

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

Environmental Concerns Upper part of Benjamin River contains salt marsh, eelgrass, shorebird habitat. Shellfish and marine worm habitat.

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

Strategy Information

Strategy Purpose To divert oil from Benjamin River

Staging Areas Sedgwick Town Landing at 103 Carter Point Road, Sedgwick, ME

Site Access By water from town landing

Nearest Boat Ramp Sedgwick Town Landing, 103 Carter Point Road, Sedgwick, ME

Collection Points May be possible to collect from shoreline of private residence at 238 Carter Point Road in Sedgwick.

Special Instructions Most sensitive area is above Route 175, but area near road is shallow and rocky. May be able to place a secondary strategy there.

Work Assignment Place three 500 foot sections of boom across the channel from the vicinity of Red Nun 2 to Green Can 3.

Recommended Equipment / Resources

Length of Boom (feet) 1500

Type of Boom 12" - 18" containment boom

Recommended Equipment (Minimum)

- 4 - anchor systems: 40 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
- 2 - shoreside connection
- 1 - vacuum truck or skimmer and storage
- 2 - workboats with minimum 90 hp
- 2 - boat operators
- 4 - laborers

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

Last Desktop Validation: 1/10/2019

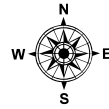
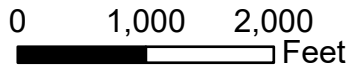
Last Field Visit

Last Field Test:

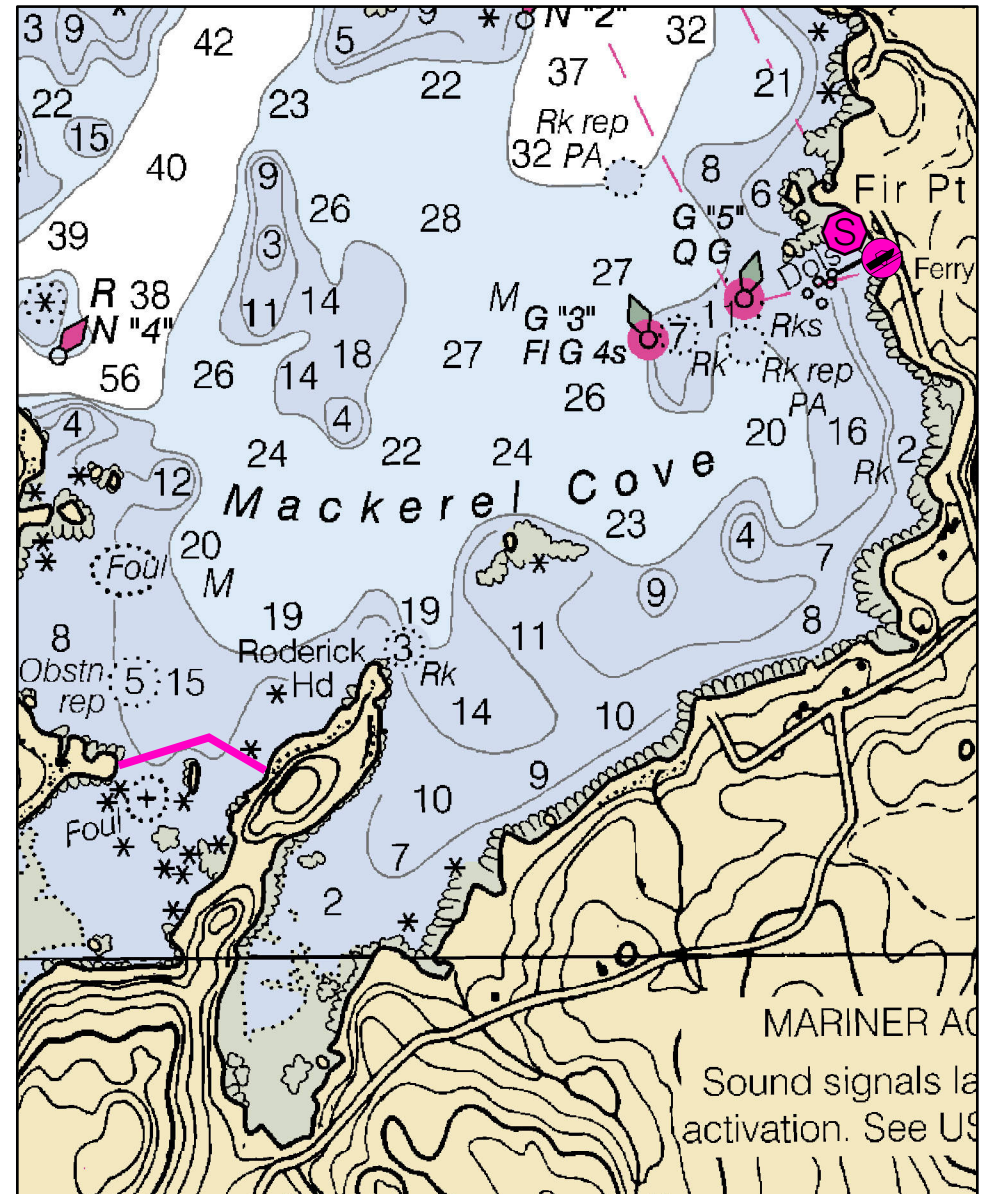
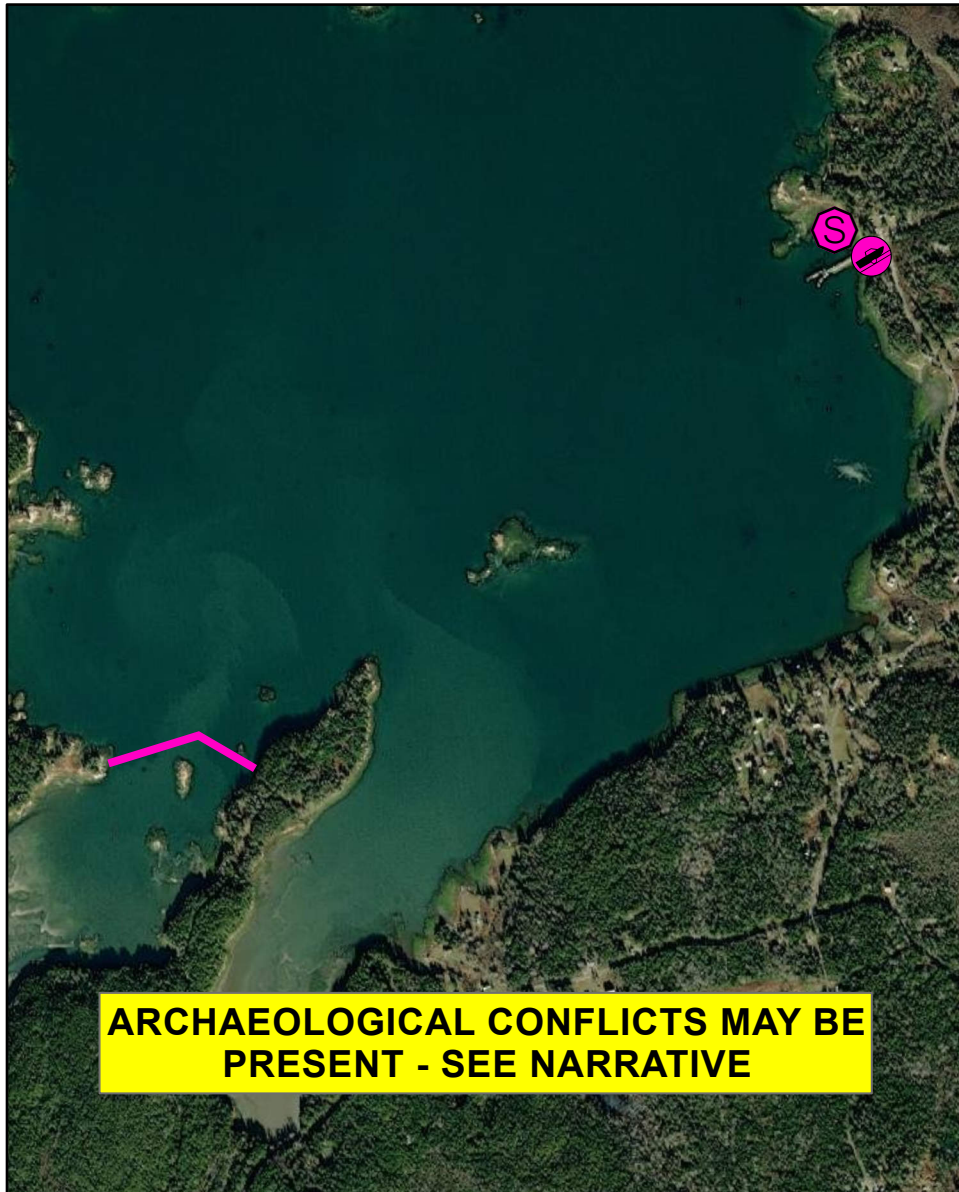
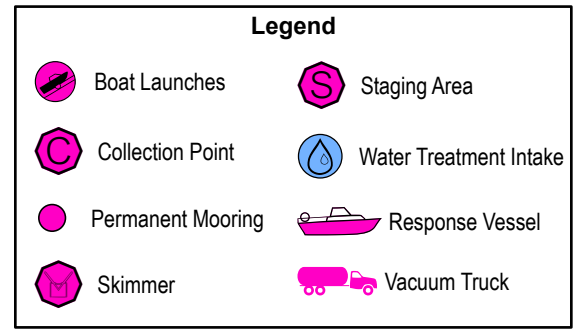
C-26-1

Mackerel Cove

Swans Island, ME



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



C-26-1 Mackerel Cove

Town Swans Island

Port Region Penobscot Bay

Latitude 44° 10.279' N **Longitude** 68° 26.554' W

NOAA Chart # 13313_1

Approx. Tidal Range (feet) 10

ESI Map # 27C

Max Current (knots) Flood Ebb

EVI Map # 55

Source **DeLorme Map # (2019)** 16 D1, E1

Resources At Risk

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

ESI Secondary Shoreline Type

Environmental Concerns Mudflats, shellfish and marine worm habitat

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

Strategy Information

Strategy Purpose To exclude oil from Mackerel Cove

Staging Areas Boat ramp at ferry landing, Ferry Road in Mackerel Cove

Site Access By water from ferry landing

Nearest Boat Ramp Ferry Road, Swans Island

Collection Points N/A. Meant to exclude oil from sheltered flats

Special Instructions Area is rocky -- use caution

Work Assignment Place 700 feet of boom from west shore to channel center, and 500 feet of boom from east shore to channel center.

Recommended Equipment / Resources

Length of Boom (feet) 1200

Type of Boom 12" - 18" containment boom

Recommended Equipment (Minimum)
1 - anchor system: 40 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
2 - shoreside connections
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

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

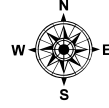
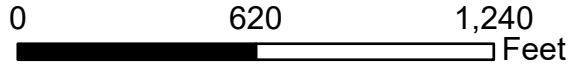
Last Desktop Validation: 1/10/2019

Last Field Visit

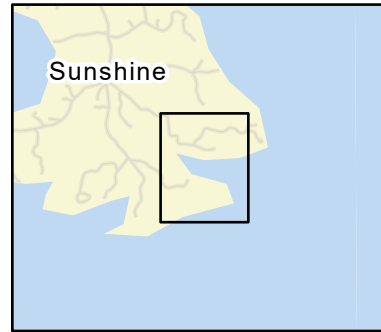
Last Field Test:

C-27-1

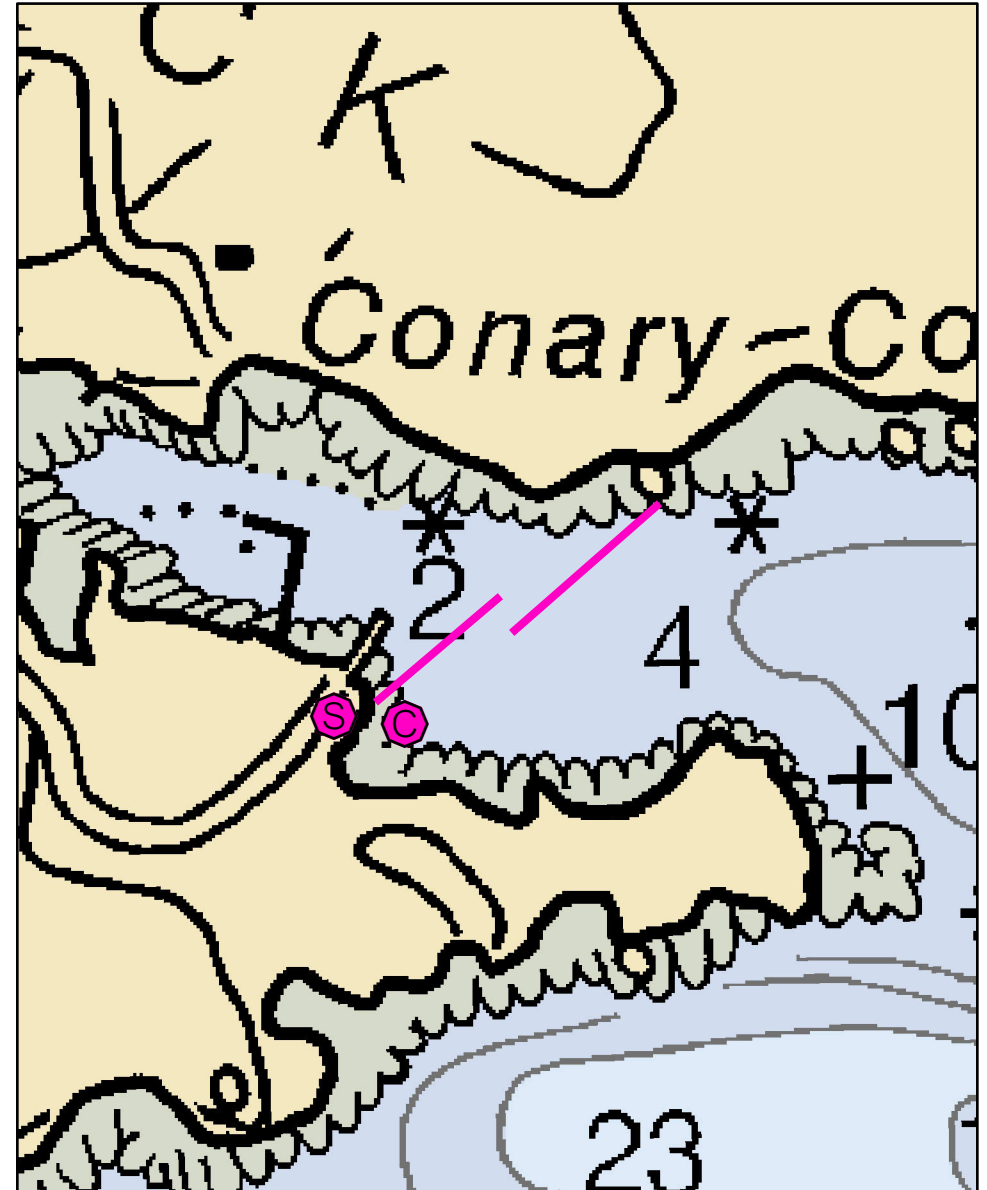
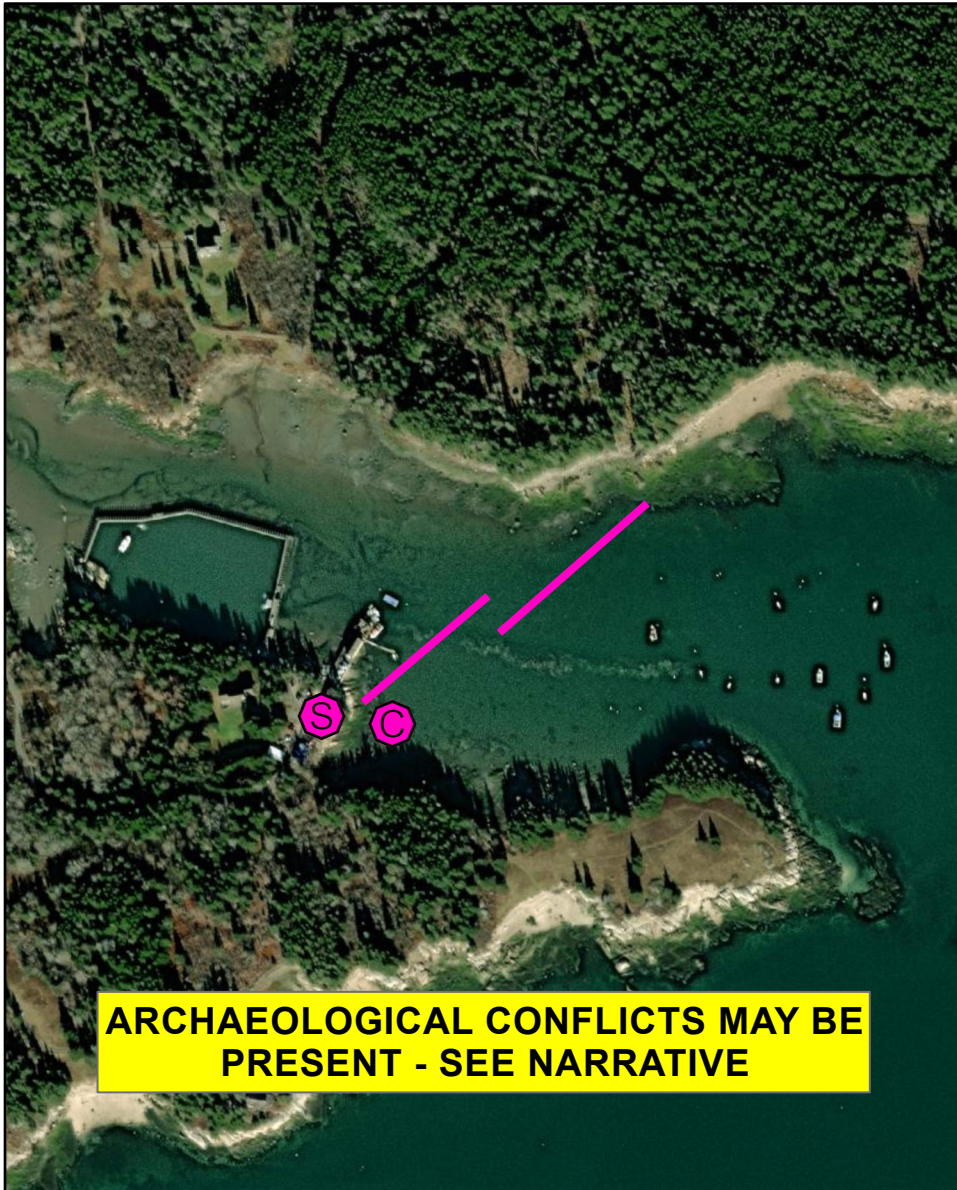
Conary Cove / Stinson Neck Deer Isle, ME



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



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



C-27-1 Canary Cove / Stinson Neck

Town	Deer Isle	Port Region	Penobscot Bay
Latitude	44° 11.456' N	Longitude	68° 34.274' W
Approx. Tidal Range (feet)	10	NOAA Chart #	13316_1
Max Current (knots)		ESI Map #	28D
Source	Flood	EVI Map #	54
	Ebb	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

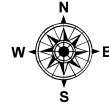
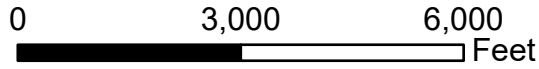
Last Field Visit

Last Field Test:

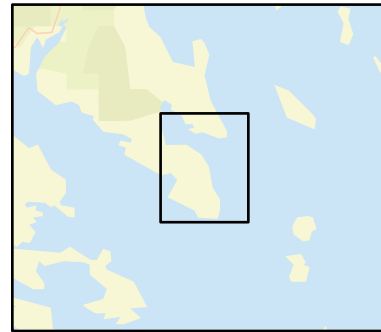
C-28-1

Herrick Bay

Brooklin, ME

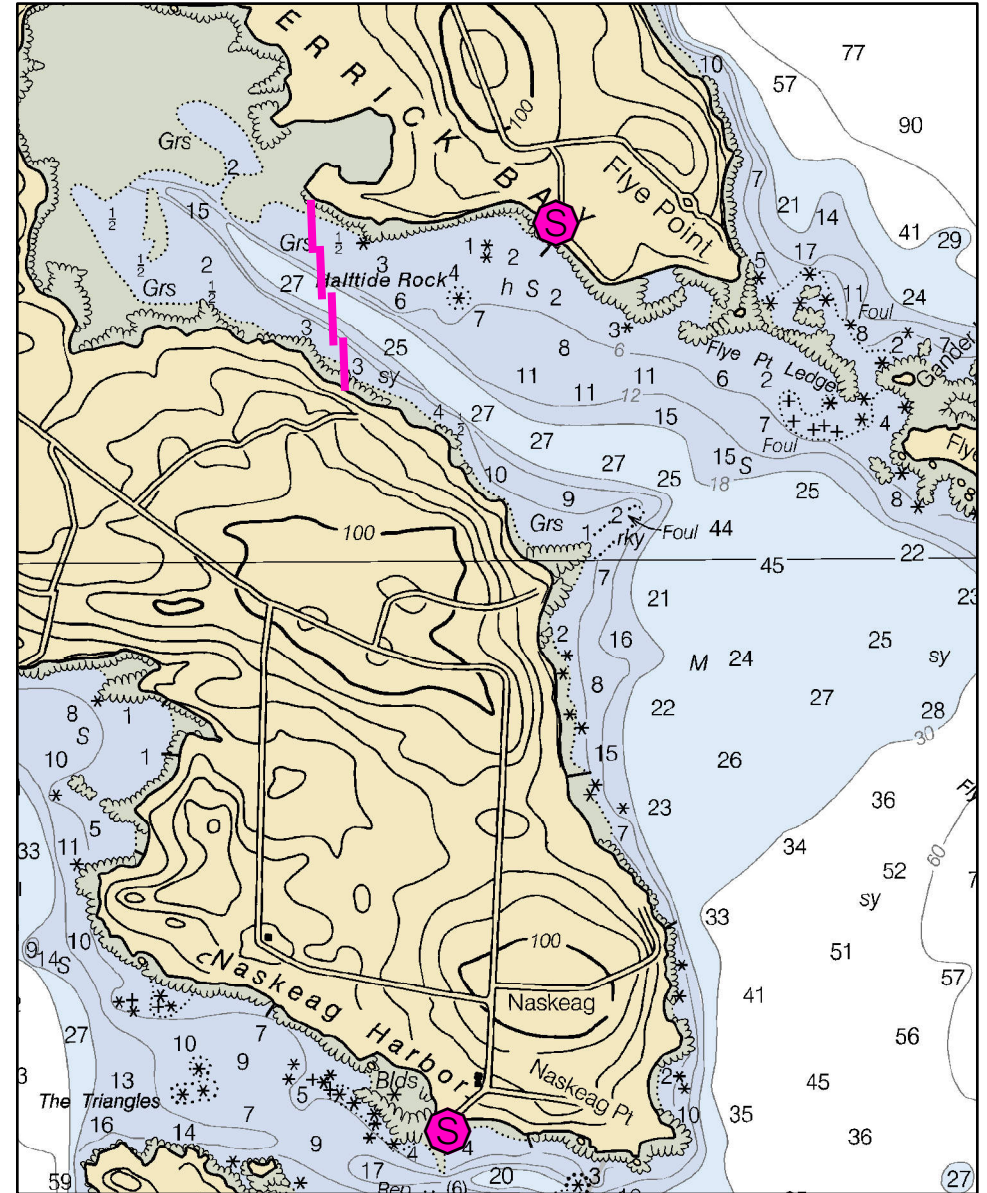


Date printed: 9/10/2022 7:53 PM



Legend

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



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.

Last Desktop Validation: 1/10/2019

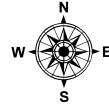
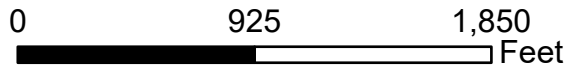
Last Field Visit

Last Field Test:

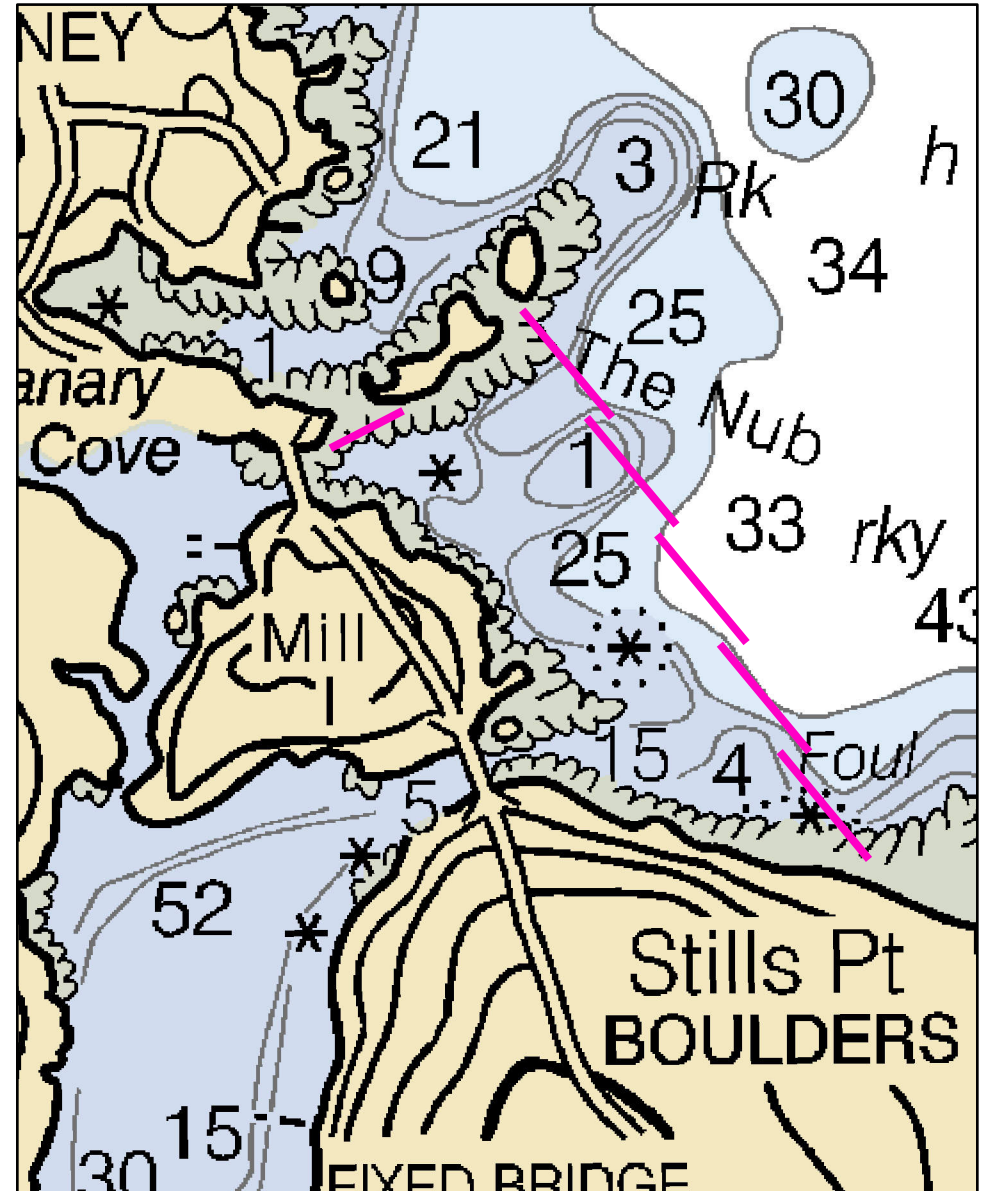
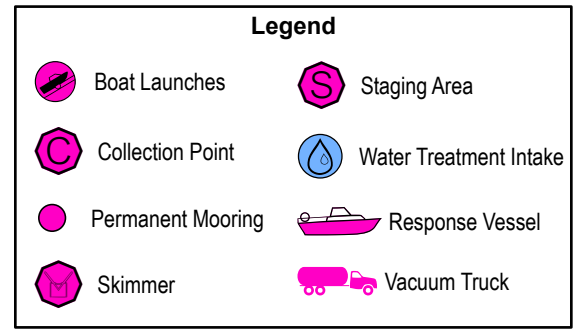
C-29-1

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.

Last Desktop Validation: 1/11/2019

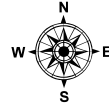
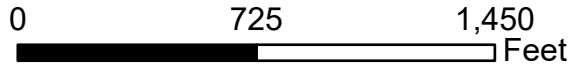
Last Field Visit

Last Field Test:

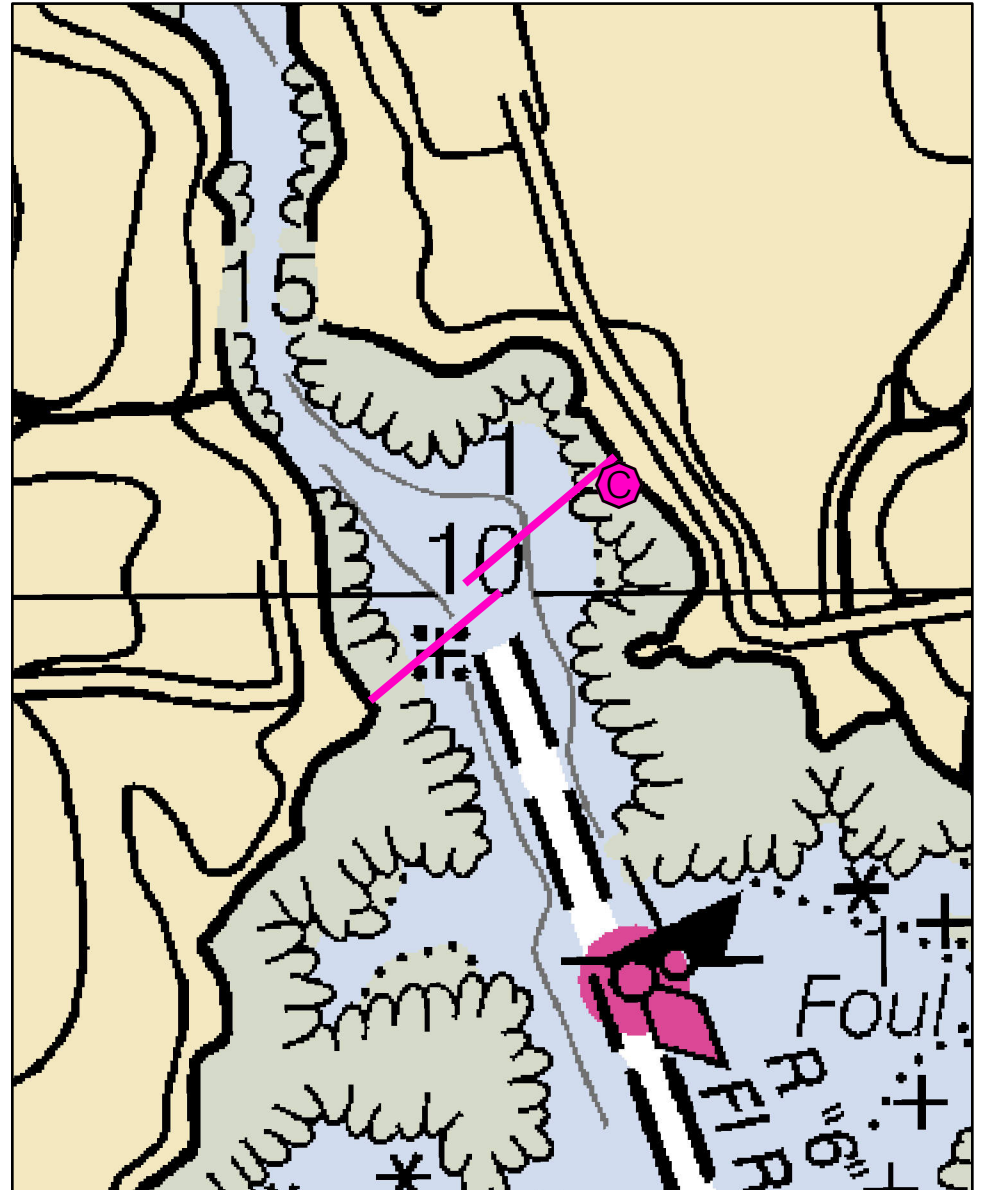
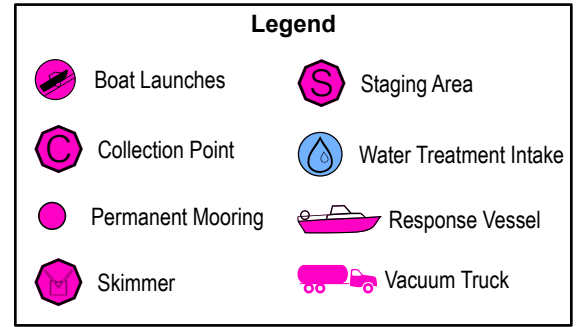
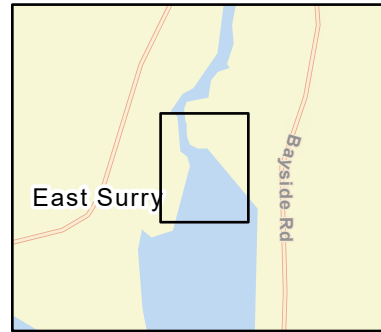
C-30-1

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.

Last Desktop Validation: 1/11/2019

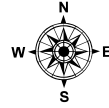
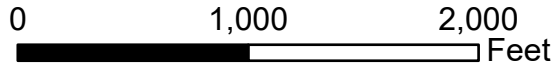
Last Field Visit

Last Field Test:

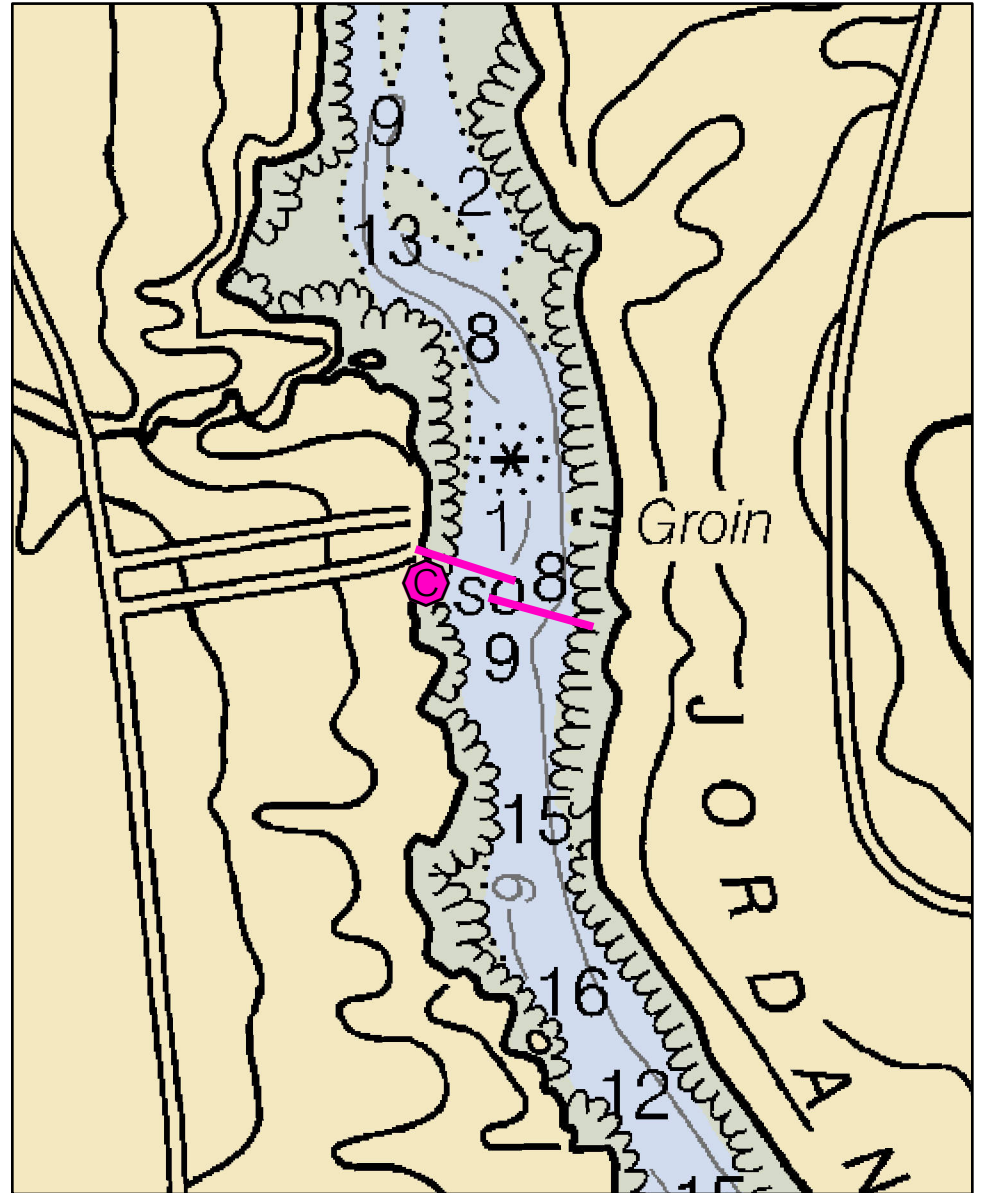
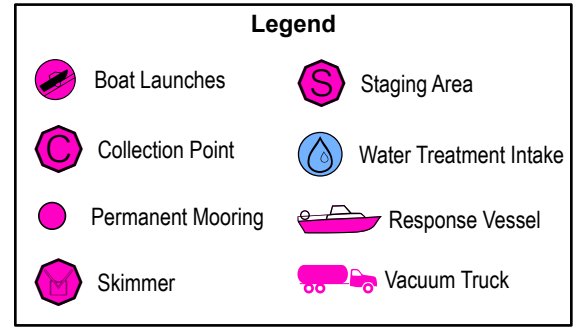
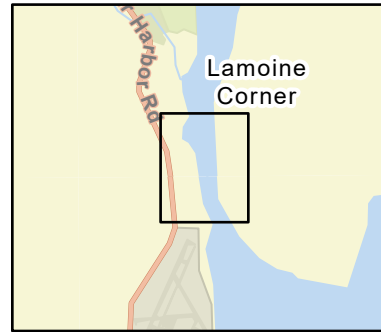
C-31-1

Jordan River

Trenton / Lamoine, ME



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



C-31-1 Jordan River

Town	Trenton / Lamoine	Port Region	Penobscot Bay
Latitude	44° 28.007 N	Longitude	68° 21.347 W
Approx. Tidal Range (feet)	10	NOAA Chart #	13318_1
Max Current (knots)	Flood < 1 knot	ESI Map #	21A
	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.

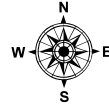
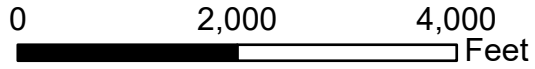
Last Desktop Validation:

Last Field Visit

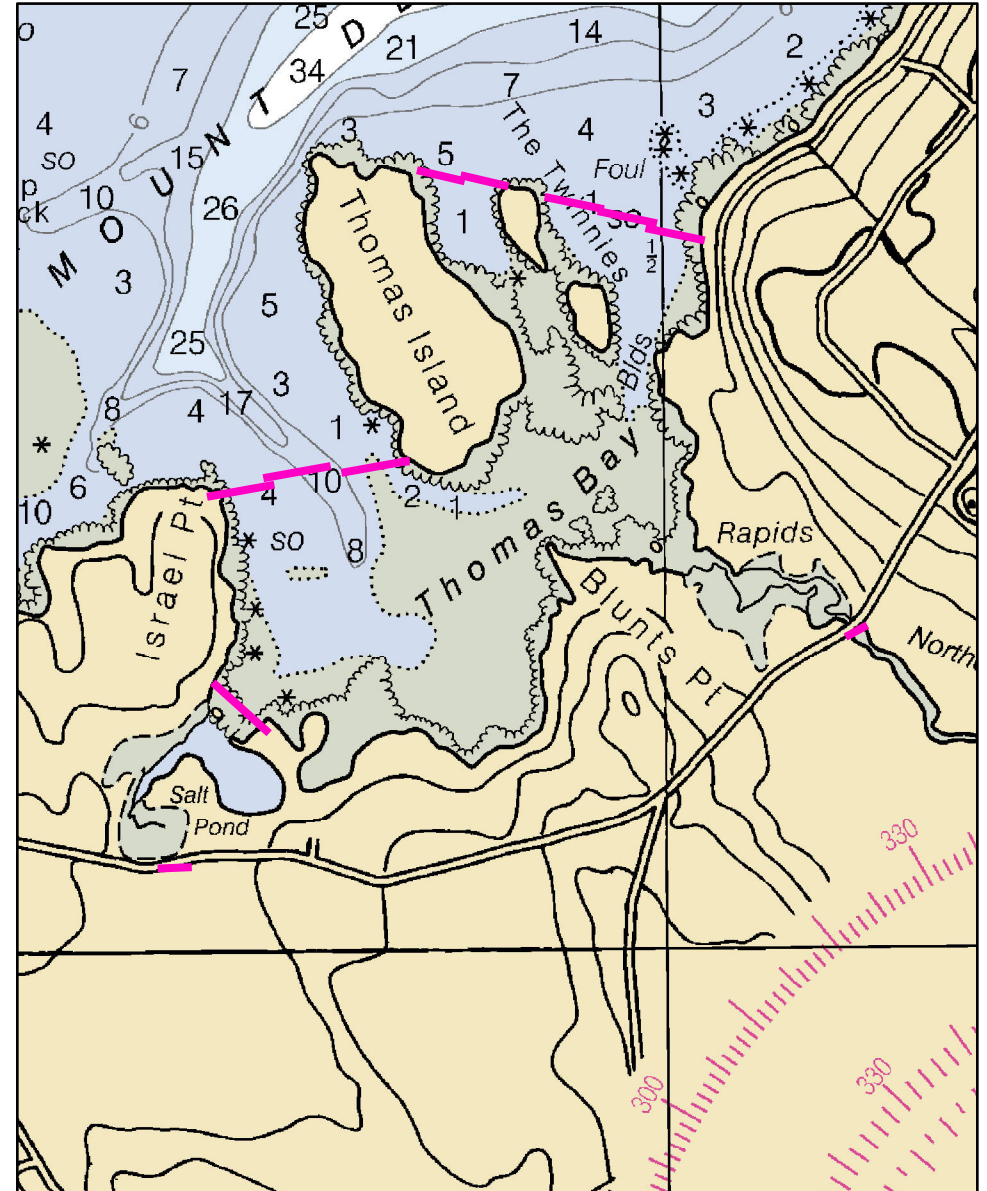
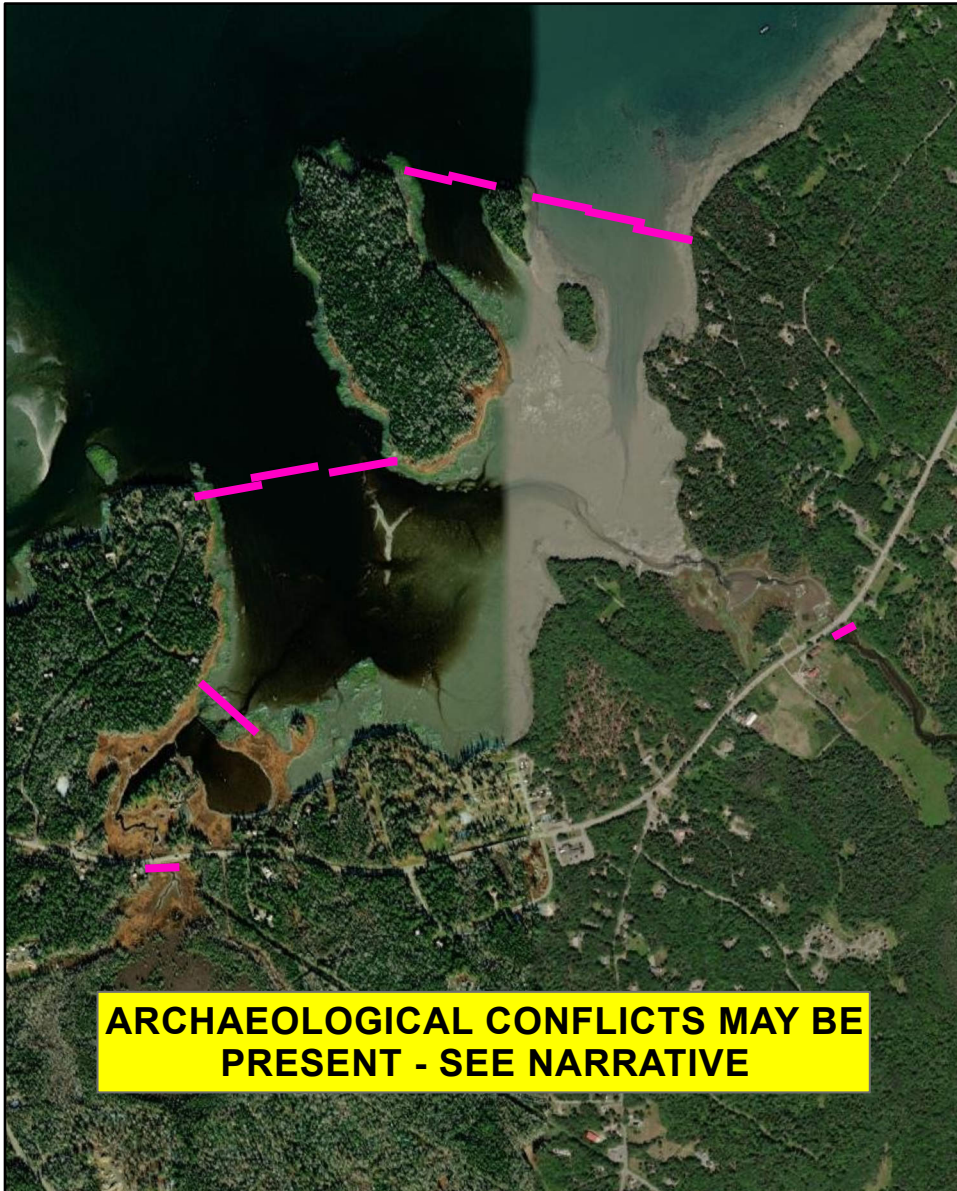
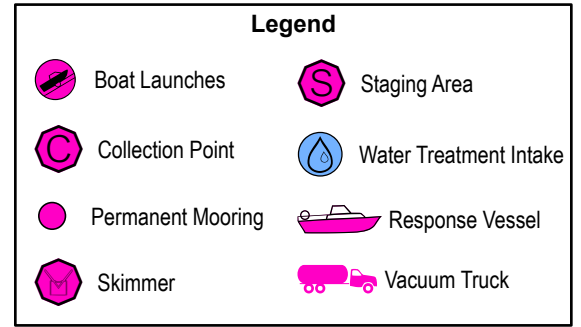
Last Field Test:

C-32-1

Mount Desert Narrows / Thomas Bay Bar Harbor, ME



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



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.

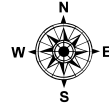
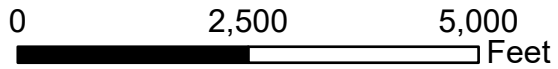
Last Desktop Validation: 1/11/2019

Last Field Visit

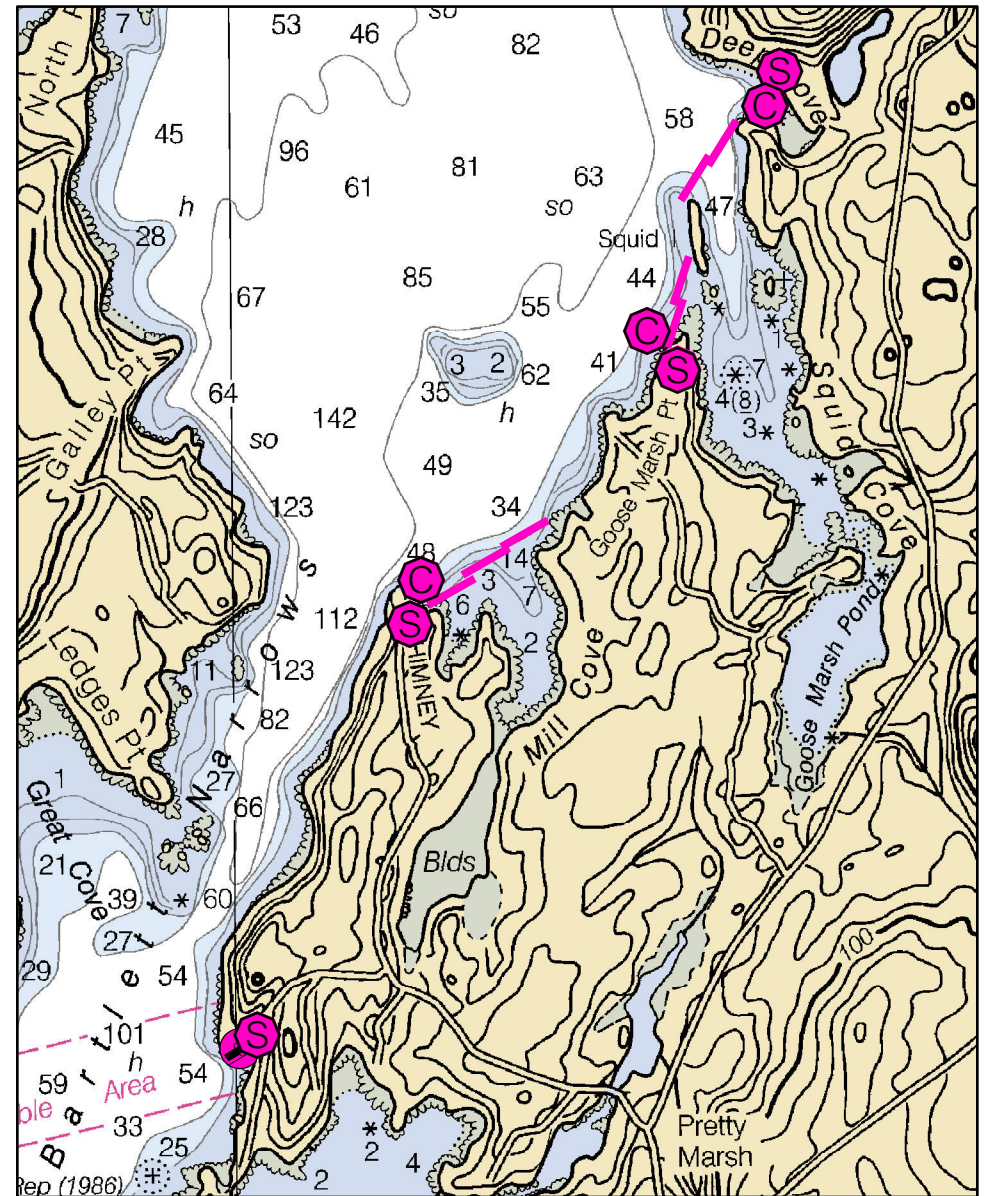
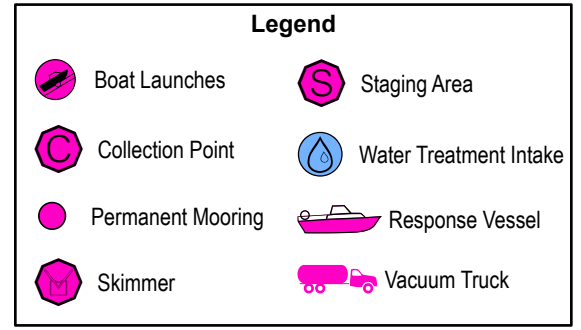
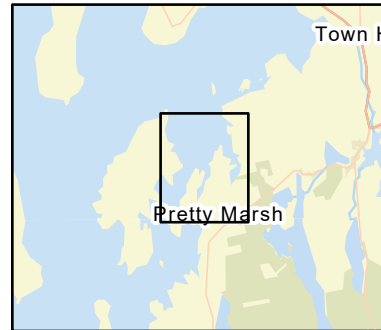
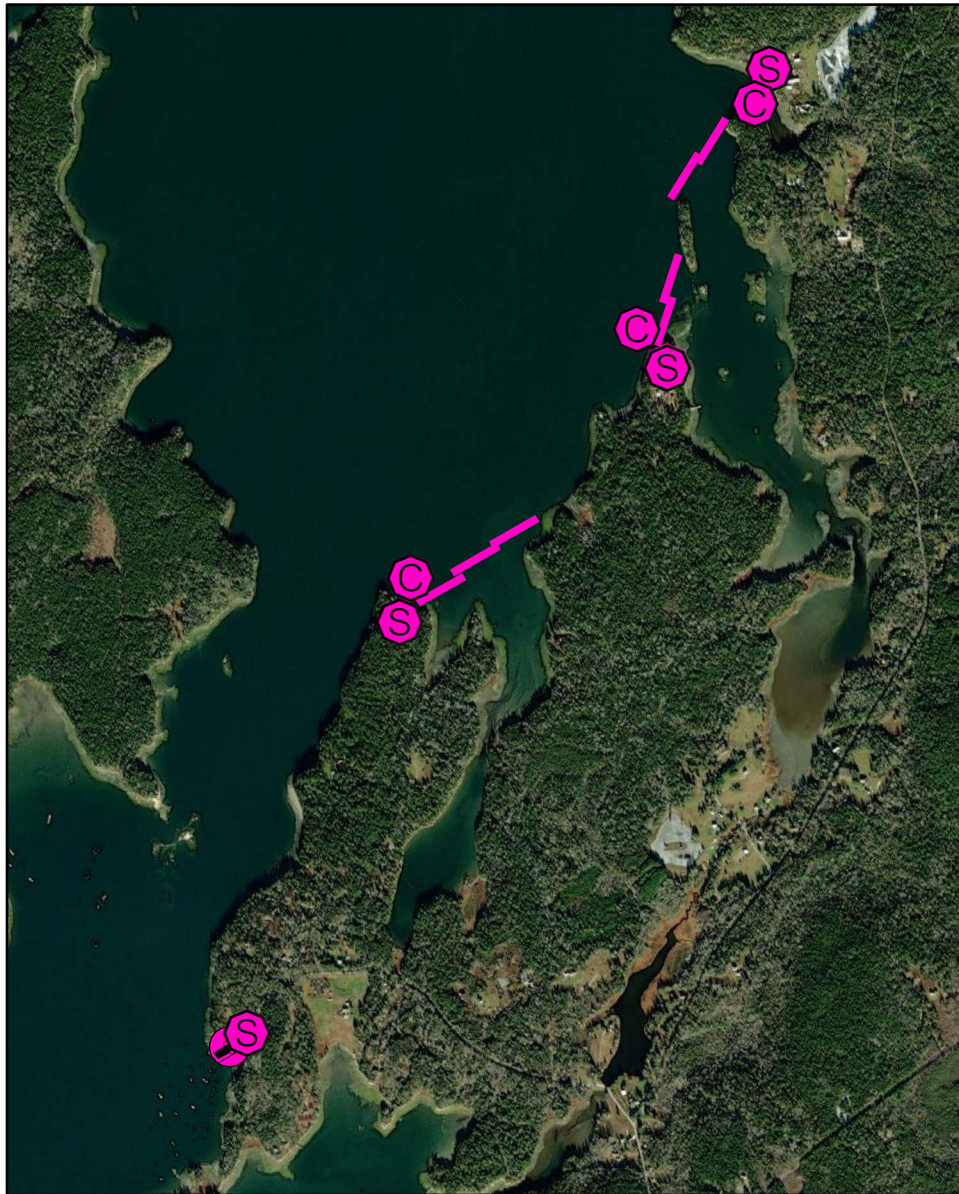
Last Field Test:

C-33-1

Bartlett Narrows: Squid & Mill Coves Mount Desert, ME



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



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
Approx. Tidal Range (feet)	11	NOAA Chart #	13316_1
Max Current (knots)	Flood < 1 knot	ESI Map #	21D
	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: 4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys. 4 - shoreside connections / 4 laborers 1 - vacuum truck or skimmer and storage 2 - workboats with minimum 90 hp/2 op	Mill Cove: 4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys. 2 - shoreside connections / 4 laborers 1 - vacuum truck or skimmer and storage 2 - workboats with minimum 90 hp/2 op
--	---	--

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

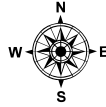
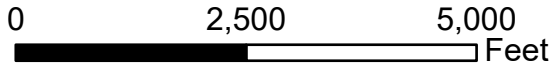
Last Desktop Validation: 1/16/2019

Last Field Visit

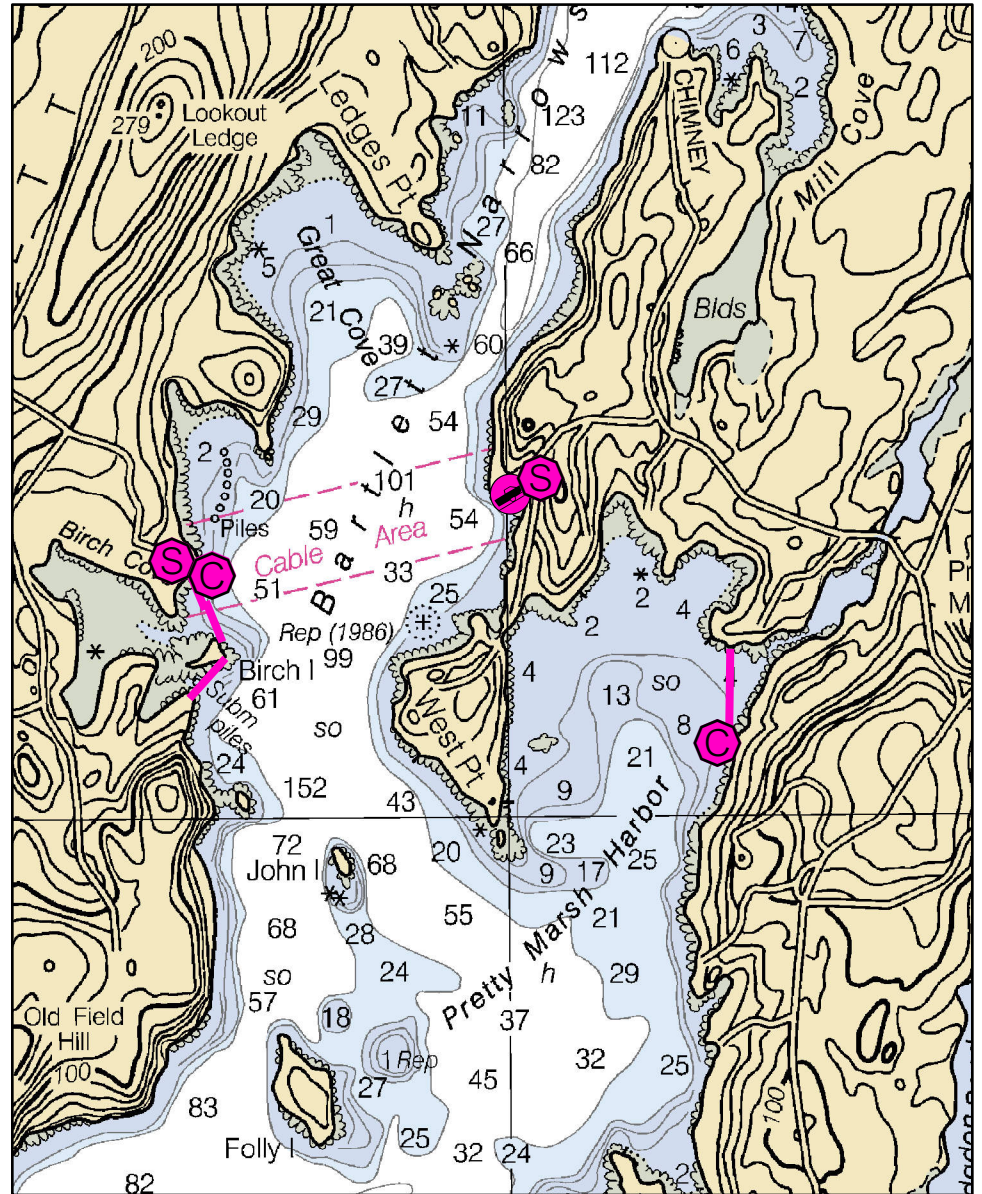
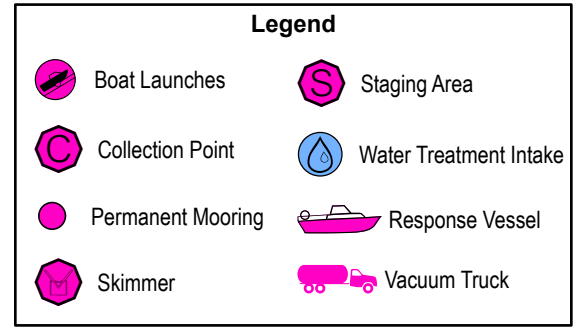
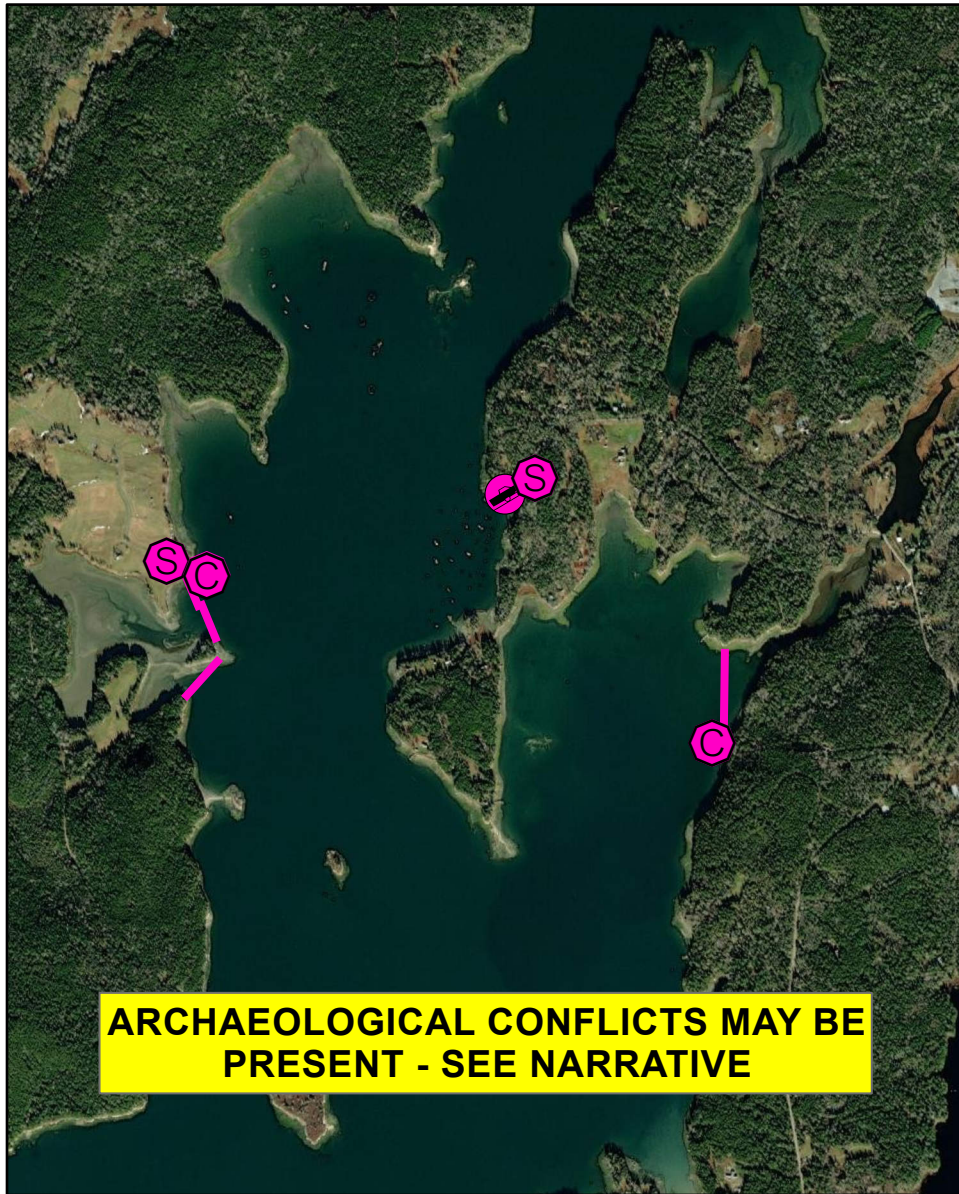
Last Field Test:

C-33-2

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



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



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.

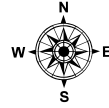
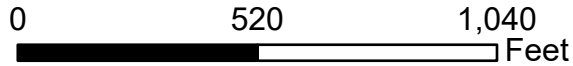
Last Desktop Validation: 1/16/2019

Last Field Visit

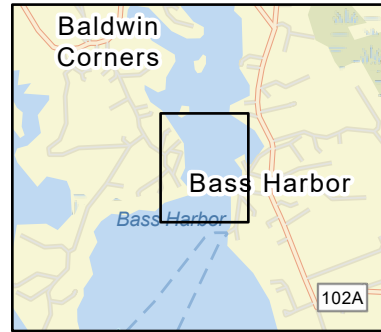
Last Field Test:

C-34-1

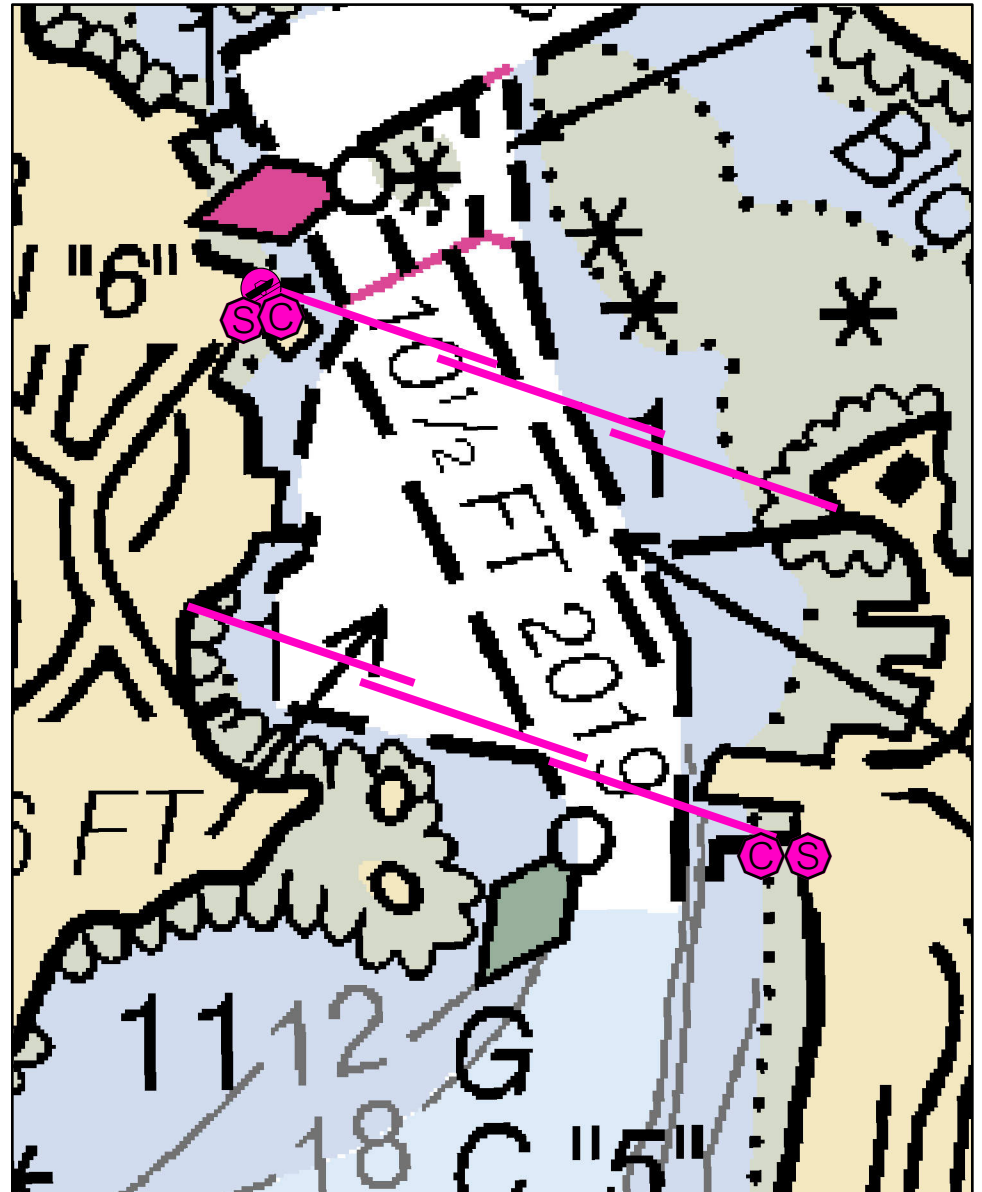
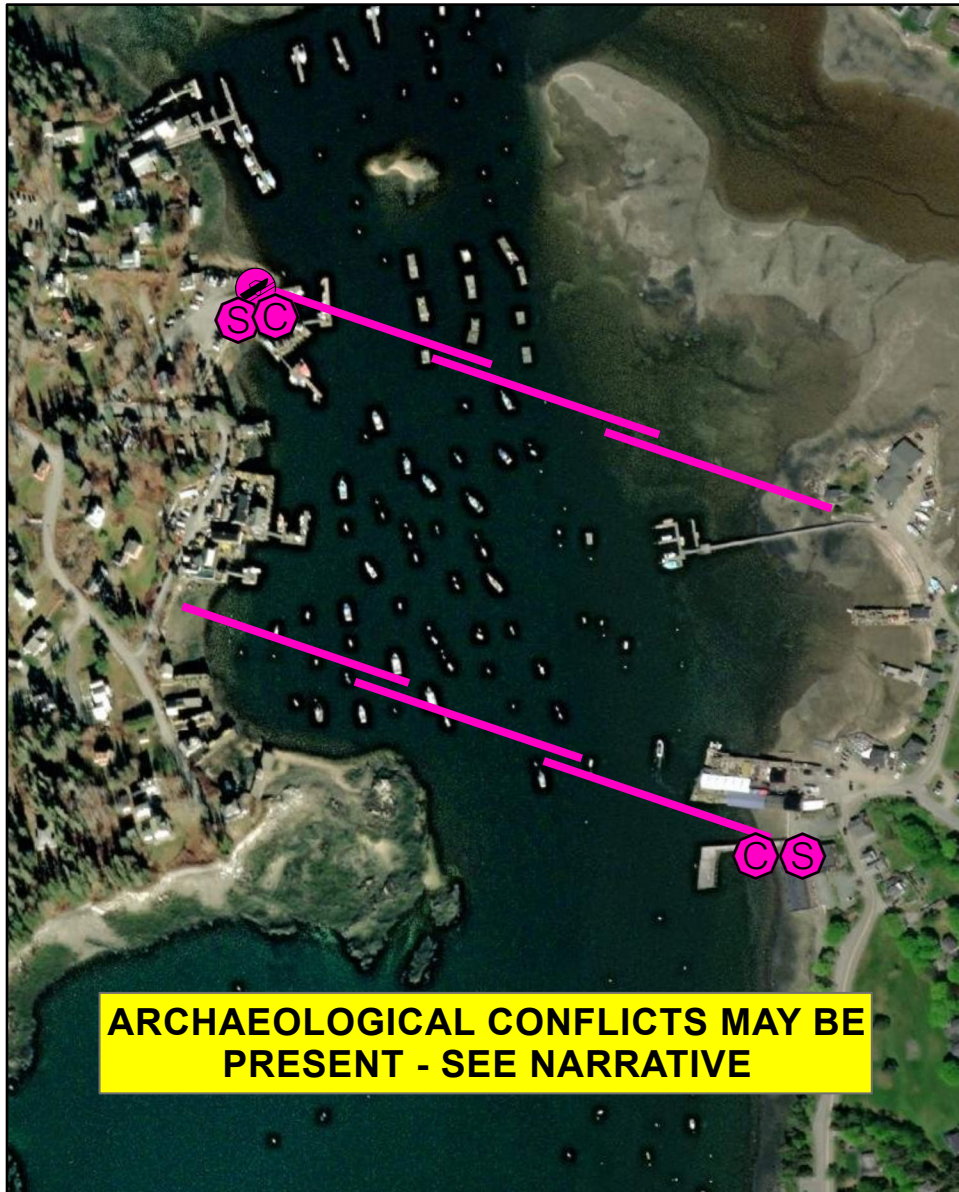
Bass Harbor
Tremont, ME



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



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

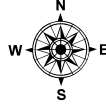
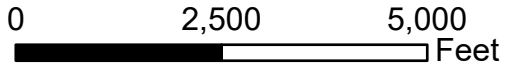
Last Desktop Validation: 1/17/2019

Last Field Visit: 8/18/2008

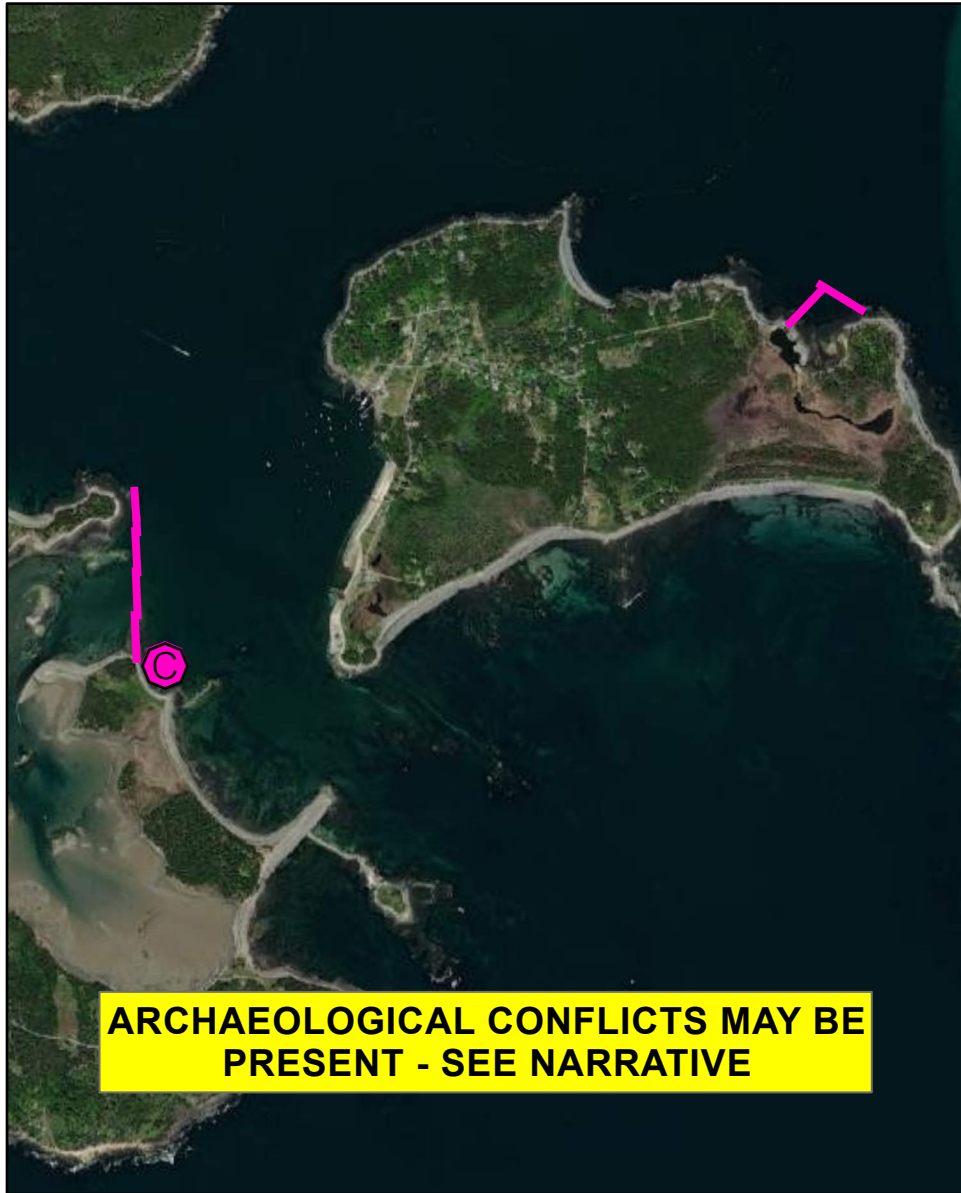
Last Field Test:

C-35-1

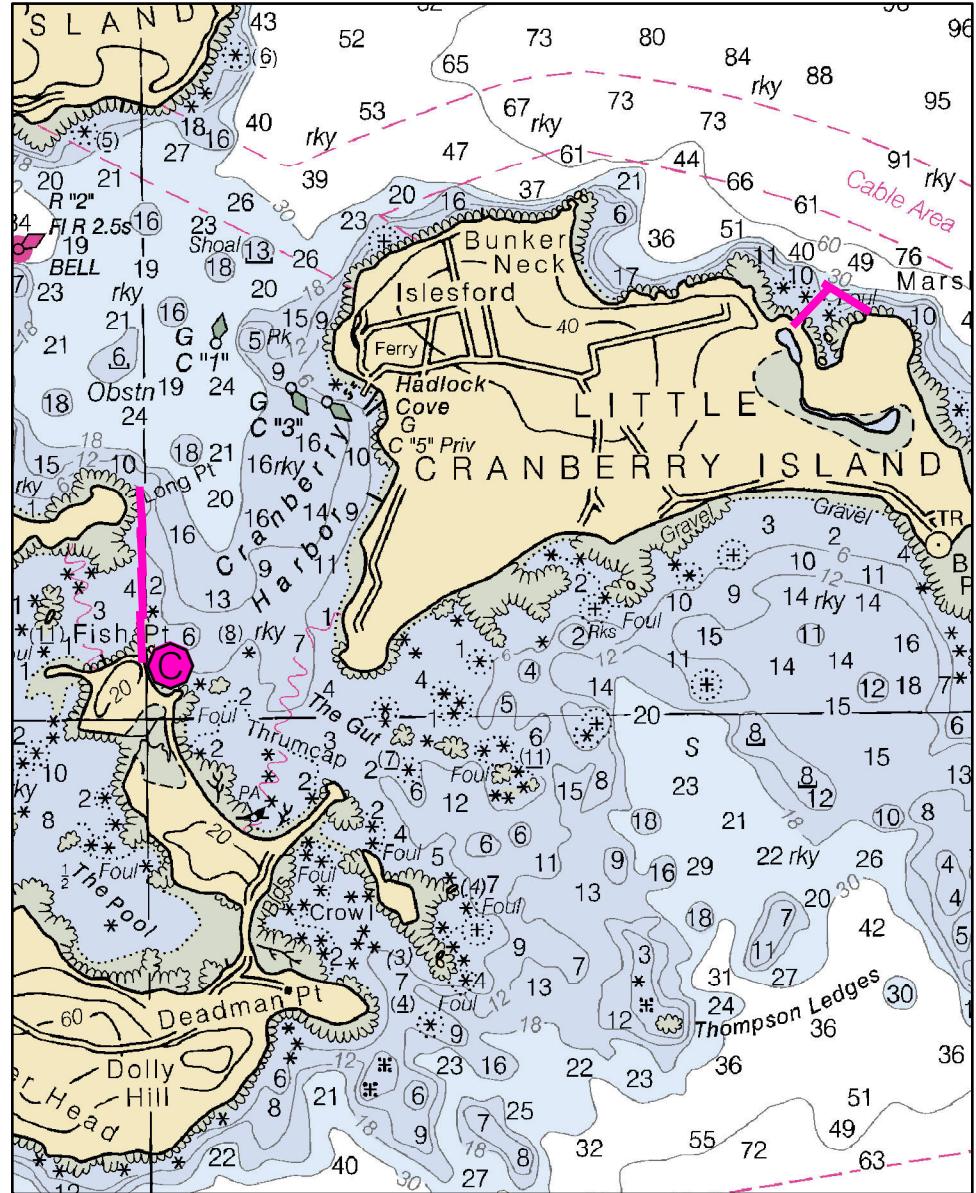
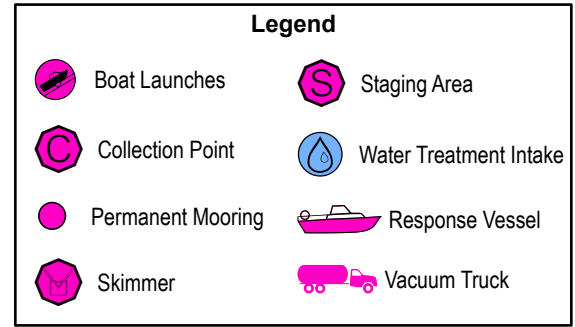
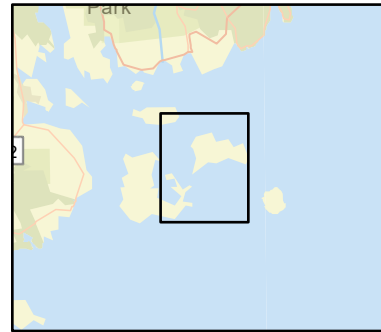
Cranberry Islands Cranberry Isles, ME



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



ARCHAEOLOGICAL CONFLICTS MAY BE PRESENT - SEE NARRATIVE



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
--	---	--

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

Last Desktop Validation: 1/17/2019

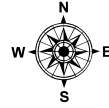
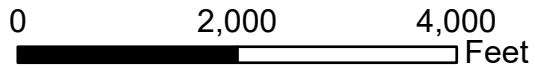
Last Field Visit: 8/18/2008

Last Field Test:

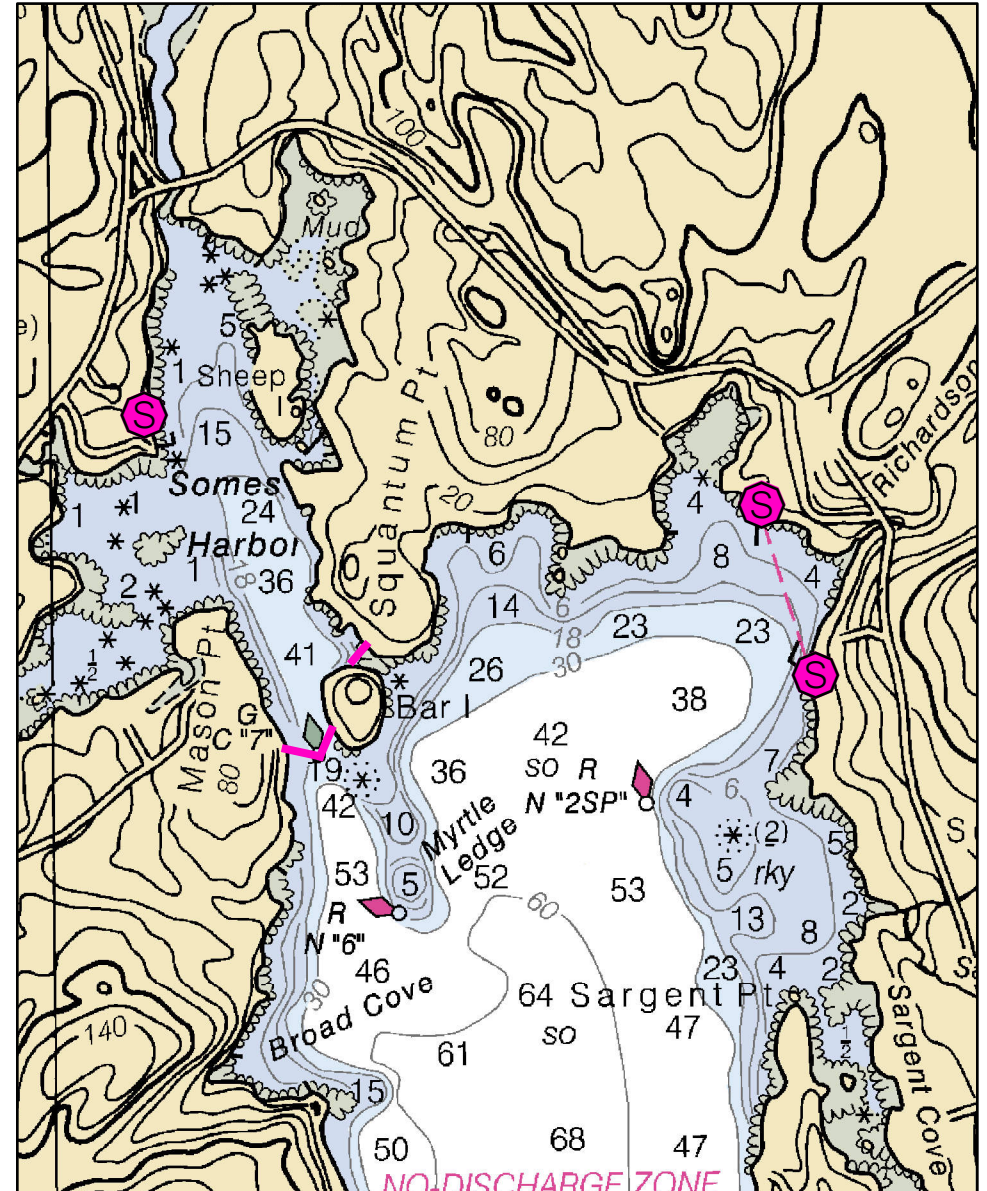
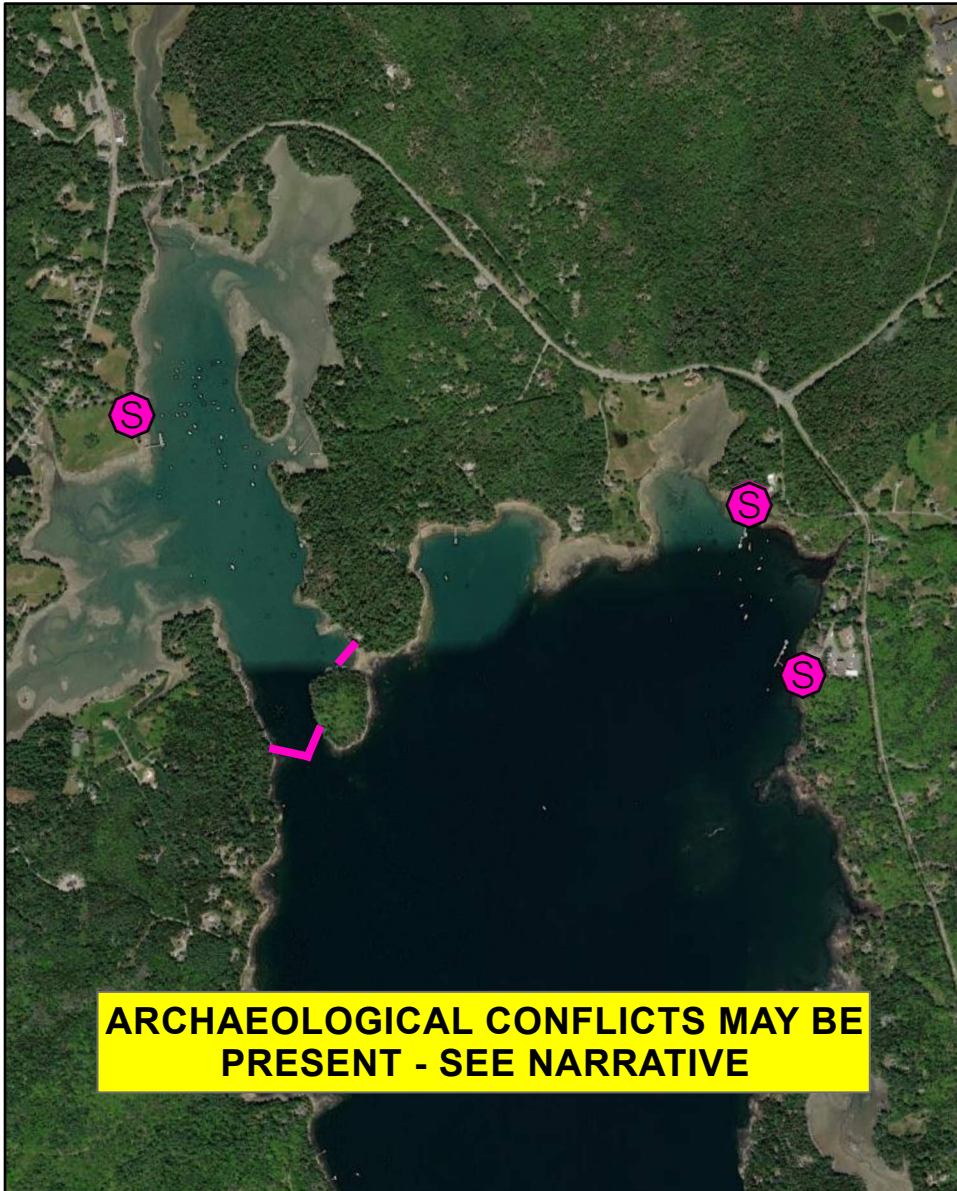
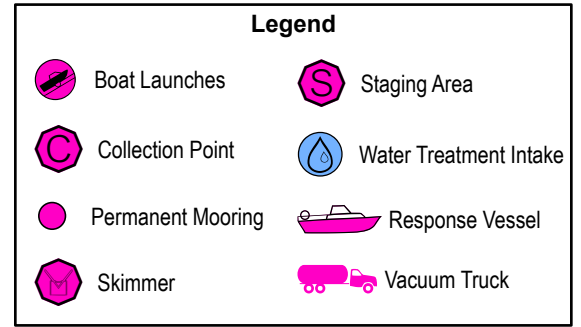
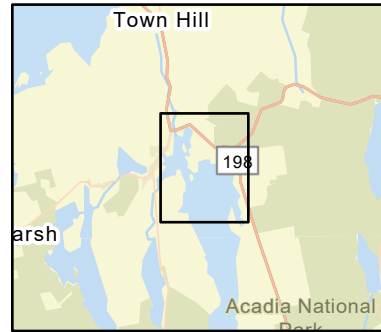
C-36-1

Somes Harbor

Mount Desert, ME



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



C-36-1 Somes Harbor

Town Mount Desert

Port Region Penobscot Bay

Latitude 44° 21.285' N **Longitude** 68° 19.449' W

NOAA Chart # 13318_1

Approx. Tidal Range (feet) 11

ESI Map # 21C

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

EVI Map # 61

Source **DeLorme Map # (2019)** 16 B3

Resources At Risk

ESI Primary Shoreline Type Vegetated low banks (9B)

ESI Secondary Shoreline Type

Environmental Concerns Diadromous fish runs, elver runs and shellfish beds. Sheltered tidal flats and marsh. Eagle nest at Bar Island.

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

Strategy Information

Strategy Purpose To exclude oil from Somes Harbor. Reverse direction for spill in harbor.

Staging Areas May be able to pull boom from Somesville town landing, Main Street, Somesville in harbor or from Abel's Lobster Pound, 20 Abel's Lane Mount Desert or Mount Desert Yacht Yard, 20 Butler Road, Mt. Desert.

Site Access See staging areas

Nearest Boat Ramp All tide launch at Southwest Harbor

Collection Points Exclusion. Possible on water skimming

Special Instructions Fishways at Somes Stream leading to Somes Pond maintained by Somes-Meynell Wildlife Sanctuary, 244-4027. Contact: David Lamon. Active restoration project for alewives here.

Contact Acadia National Park: Bob Bechtold, Park Environmental and Safety Program Coordinator: 207-888-8752 or 207-664-8814 after hours. National Park Service numbers: 888-614-0672 or 888-809-7095.

Work Assignment Place two 350 foot lengths of boom in chevron across Somes Harbor entrance with anchor in the vicinity of Green Can "7". Place 200 feet of boom inside the bar from Bar Island to Squantum Point.

Recommended Equipment / Resources

Length of Boom (feet) 900

Type of Boom 12" - 18" containment boom

Recommended Equipment (Minimum)
1 - anchor systems: 40 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys.
4 - shoreside connections
2 - workboats with minimum 90 hp
2 - boat operators
4 - laborers

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

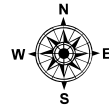
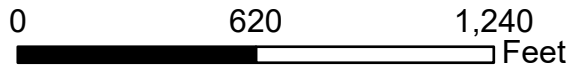
Last Desktop Validation: 1/17/2019

Last Field Visit: 7/2/2007

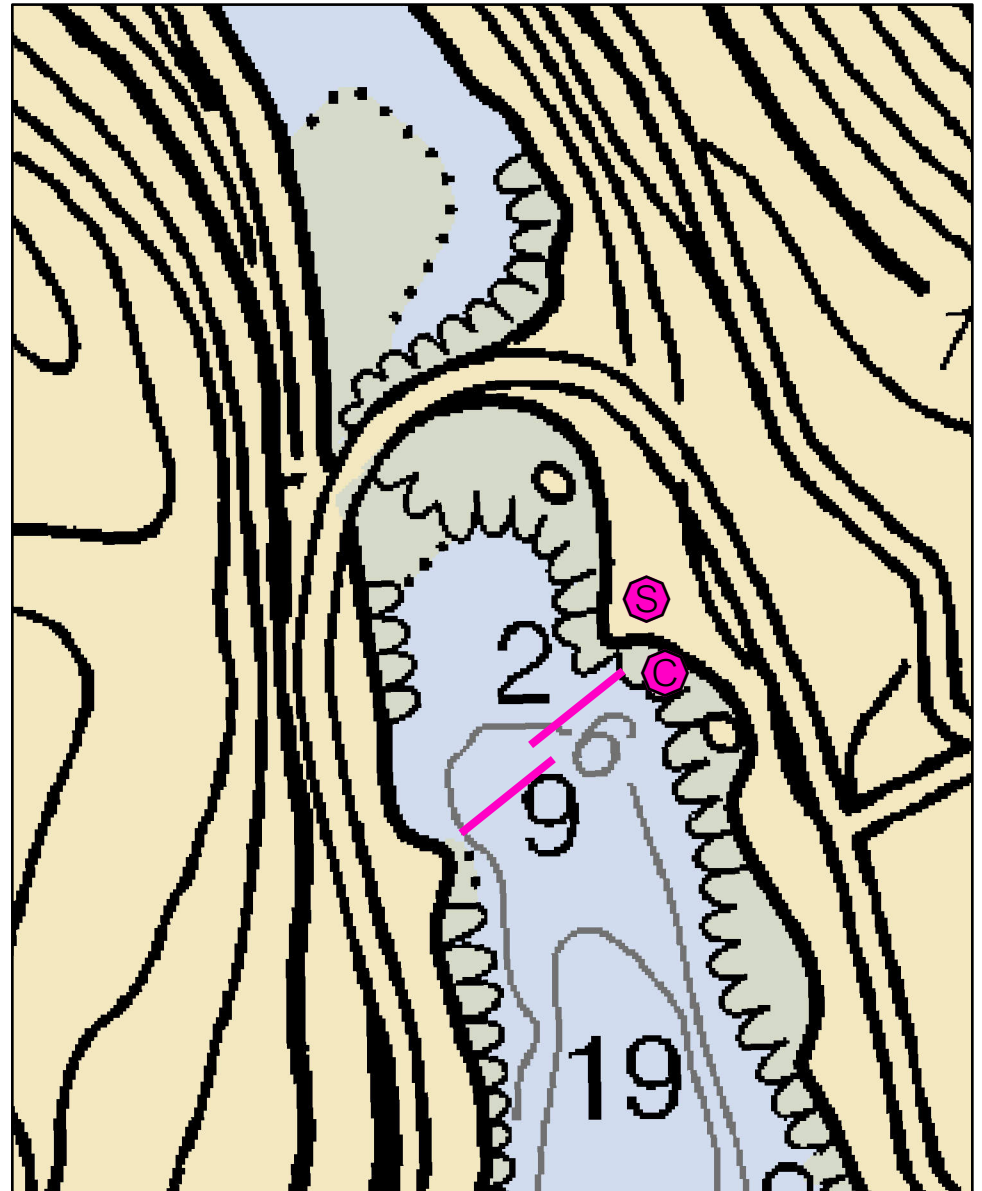
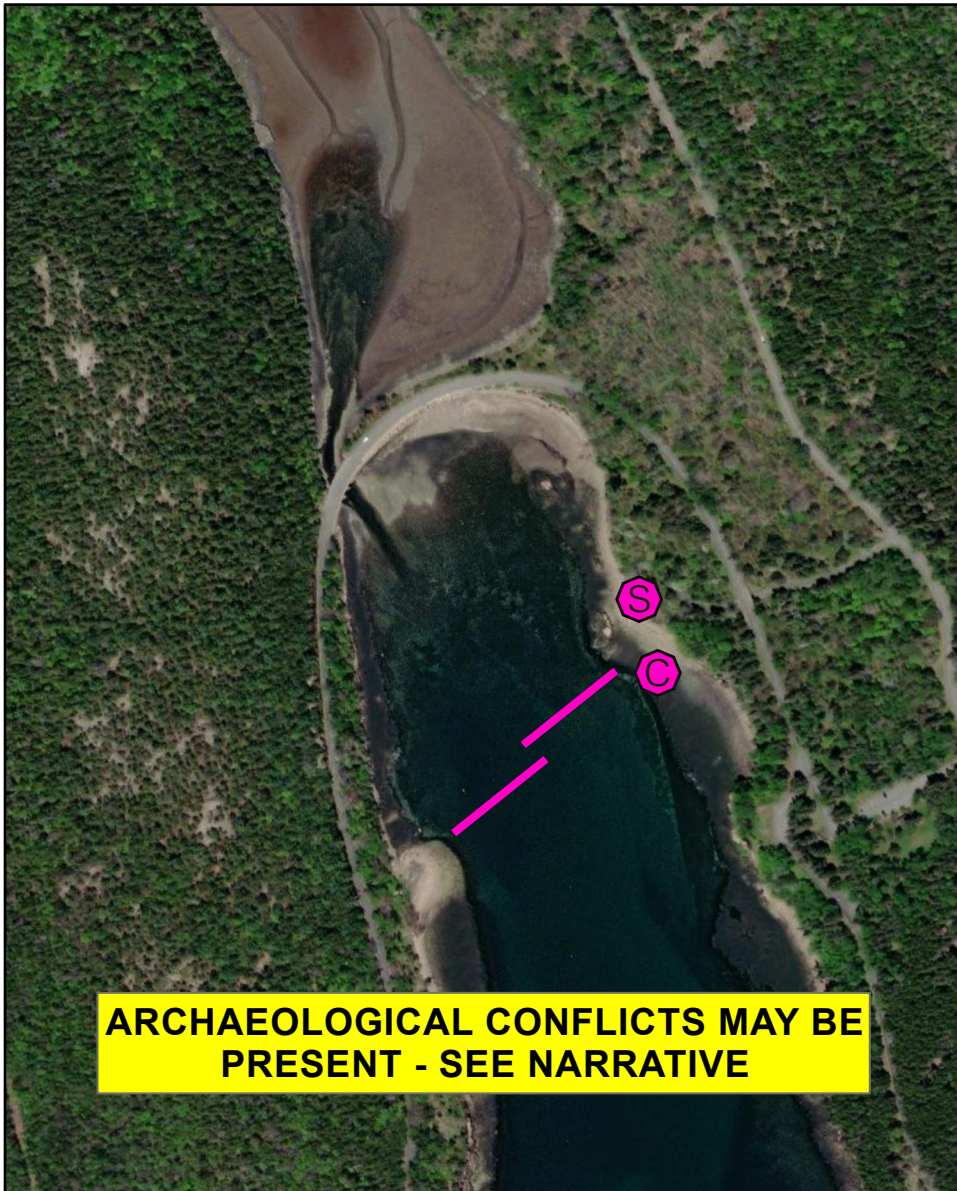
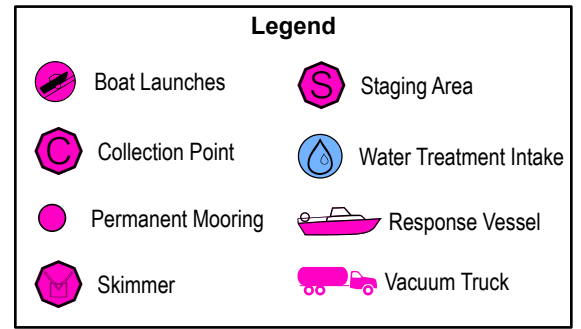
Last Field Test:

C-37-1

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



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



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.

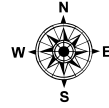
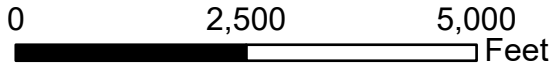
Last Desktop Validation: 2/13/2019

Last Field Visit: 7/2/2007

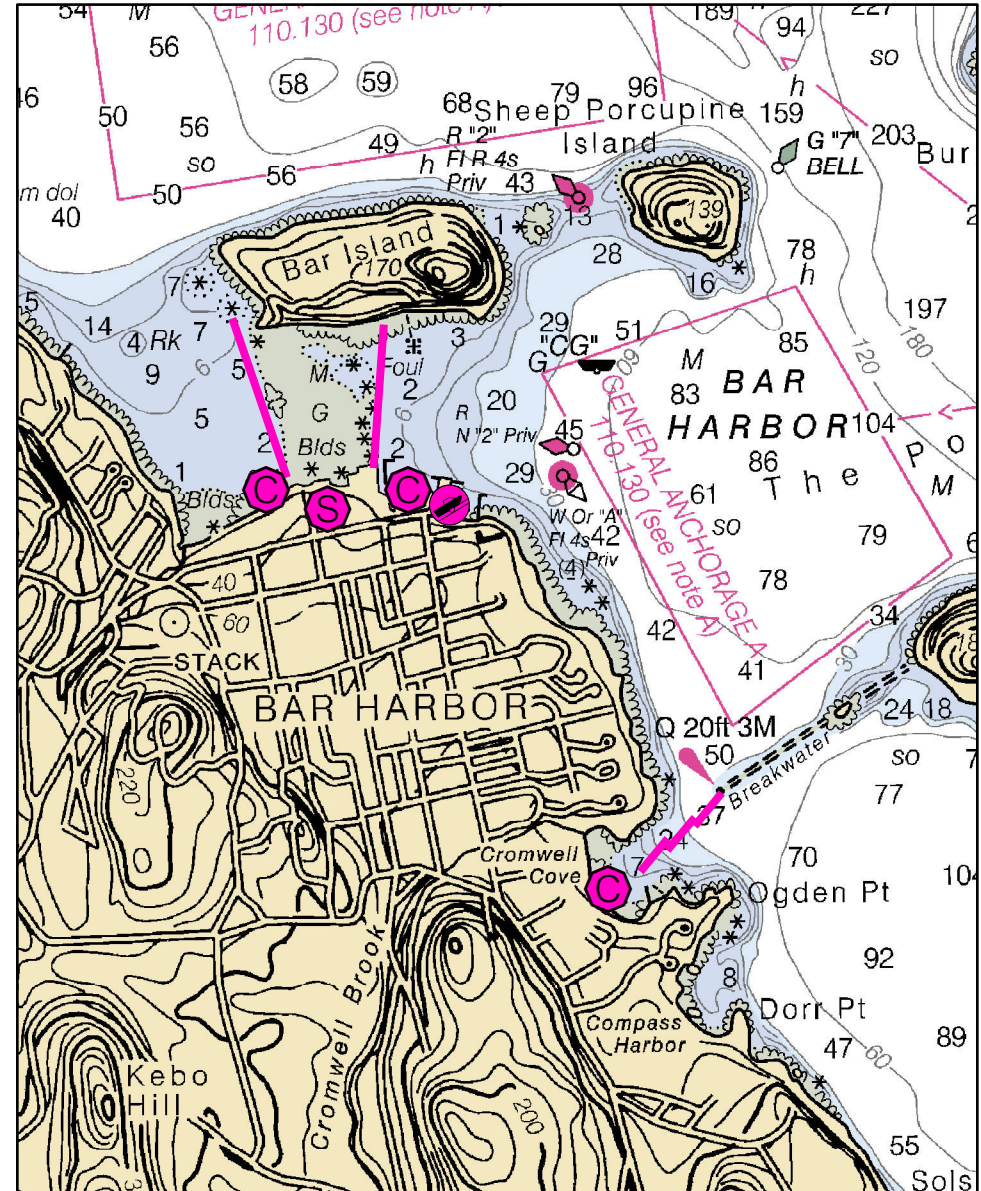
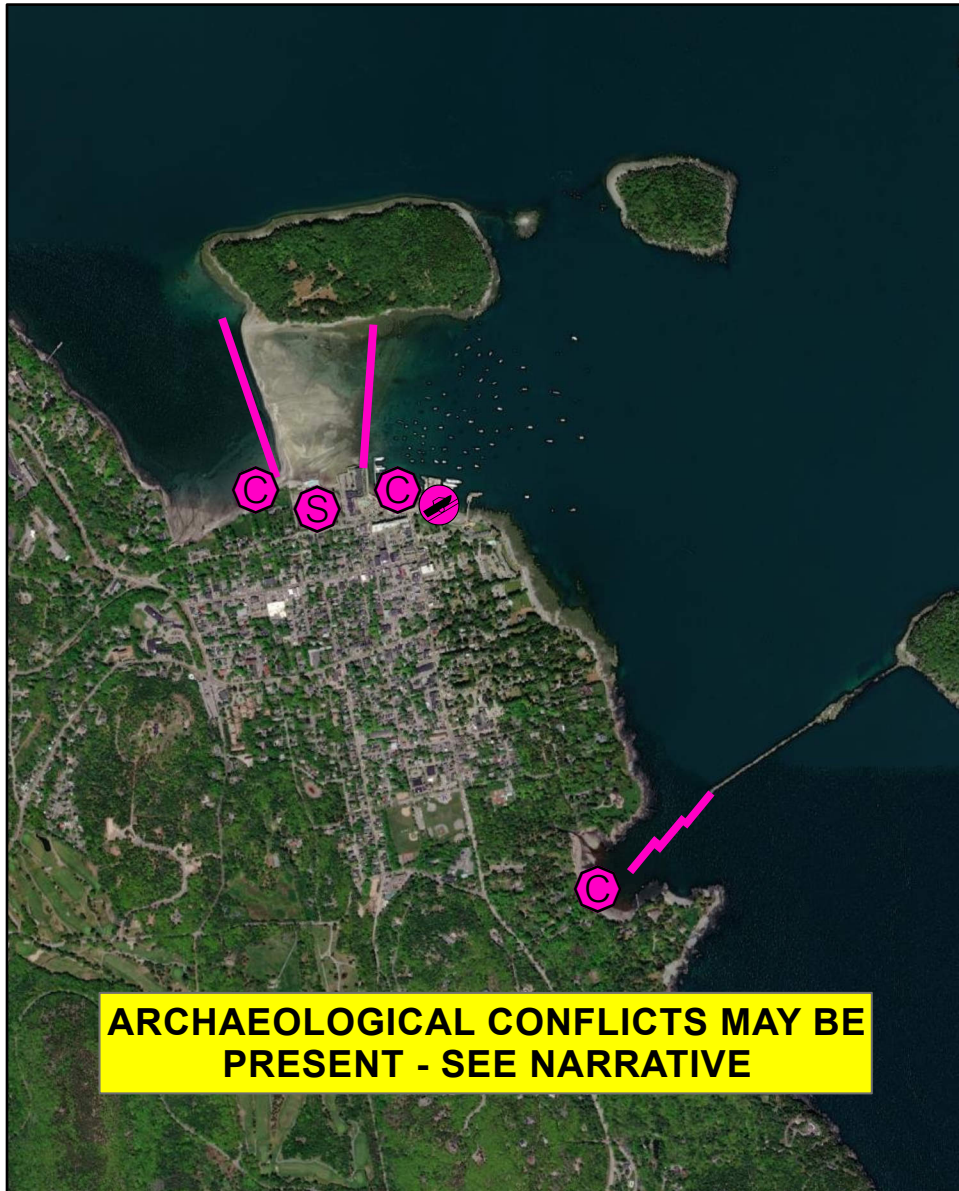
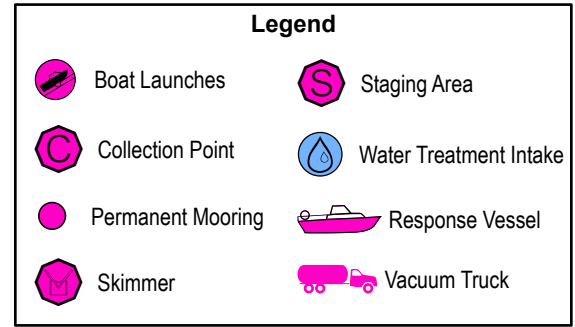
Last Field Test:

C-38-1

Frenchman Bay / Bar Harbor Bar Harbor / Gouldsboro, 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-38-1 Frenchman Bay / Bar Harbor

Town Bar Harbor / Gouldsboro

Latitude 44° 23.796' N **Longitude** 68° 12.570' W

Approx. Tidal Range (feet) 11

Max Current (knots) Flood Ebb

Source

Port Region Penobscot Bay

NOAA Chart # 13318_1

ESI Map # 20D, 20B

EVI Map # 62, 69

DeLorme Map # (2019) 16 B4

Resources At Risk

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

ESI Secondary Shoreline Type Exposed, solid man-made structures (1B)

Environmental Concerns Shorebirds use Bar Island. Habitat is not particularly valuable at Bar Island, but is a heavily visited area of Acadia National Park.

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

Strategy Information

Strategy Purpose Southernmost strategy near breakwater is meant to deflect oil from moving southward from the harbor. Strategy near Bar Island is to protect the intertidal bar at request of ANP.

Staging Areas Bar Harbor town boat launch

Site Access Bar Harbor boat launch. For Cromwell Cove, nearest street address is 374 Main Street, Bar Harbor

Nearest Boat Ramp Trailerable boat launch at Bar Harbor

Collection Points Either side of intertidal bar for Bar Island. For southern strategy, from private residence / beach near 374 Main Street, Bar Harbor

Special Instructions Intertidal bar is a heavily visited area of Acadia National Park. Not particularly valuable habitat. Contact Acadia National Park: Bob Bechtold, Park Environmental and Safety Program Coordinator: 207-888-8752 or 207-664-8814 after hours. National Park Service numbers: 888-614-0672 or 888-809-7095.

Work Assignment For oil moving south from harbor area, deploy three 400 foot sections of boom from edge of breakwater to Cromwell Cove. Deploy 1,500 feet of boom on each side of intertidal bar for oil near Bar Island.

Recommended Equipment / Resources

Length of Boom (feet) 4200

Type of Boom 12" to 18" containment boom

Recommended Equipment (Minimum)

Breakwater area:

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

1 - shoreside connections

1 - vacuum truck or skimmer and storage

2 - workboats with minimum 90 hp

2 - boat operators

4 - laborers

Bar Island area:

4 - anchor systems: 35 lb. Danforth or equivalent and line for 3:1 scope plus tag lines and buoys. Set anchors every 500 feet

4 - shoreside connections

1 - vacuum truck or skimmer and storage

2 - workboats with minimum 90 hp

2 - boat operators

4 - laborers

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

Last Desktop Validation: 2/14/2019

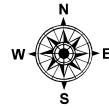
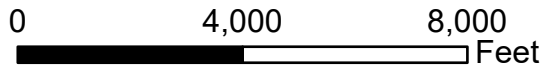
Last Field Visit 7/2/2007

Last Field Test:

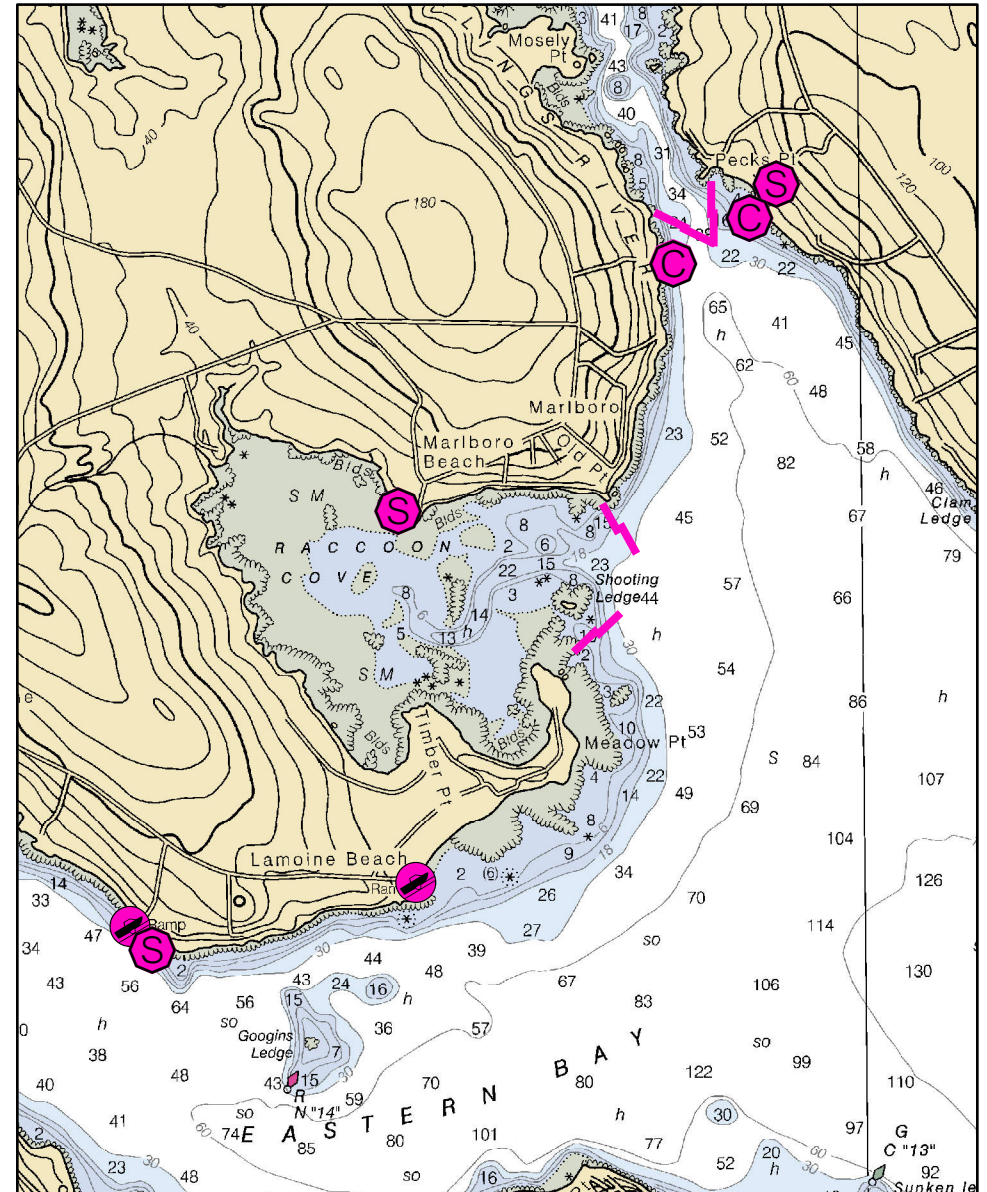
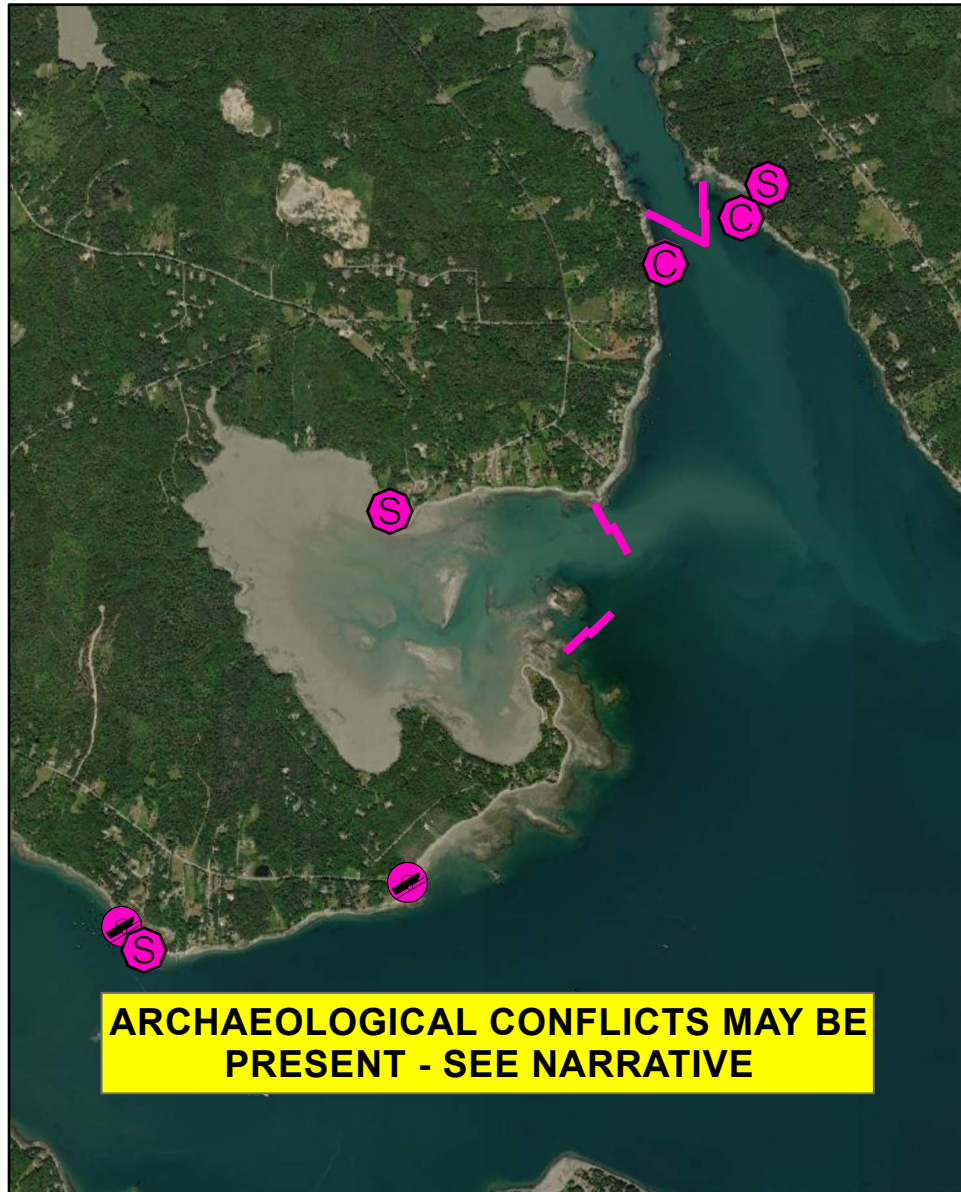
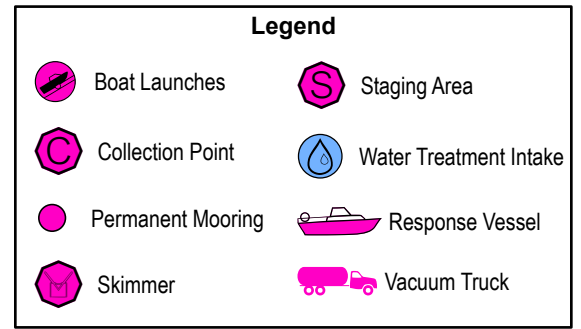
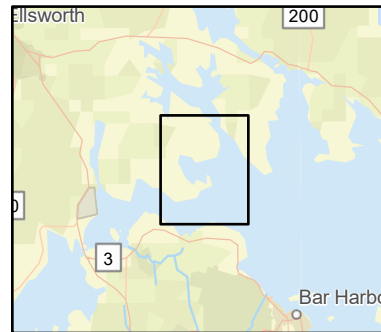
C-39-1

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.

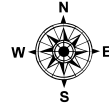
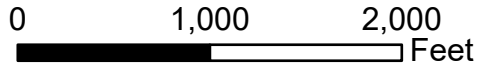
Last Desktop Validation: 2/14/2019

Last Field Visit 7/2/2007

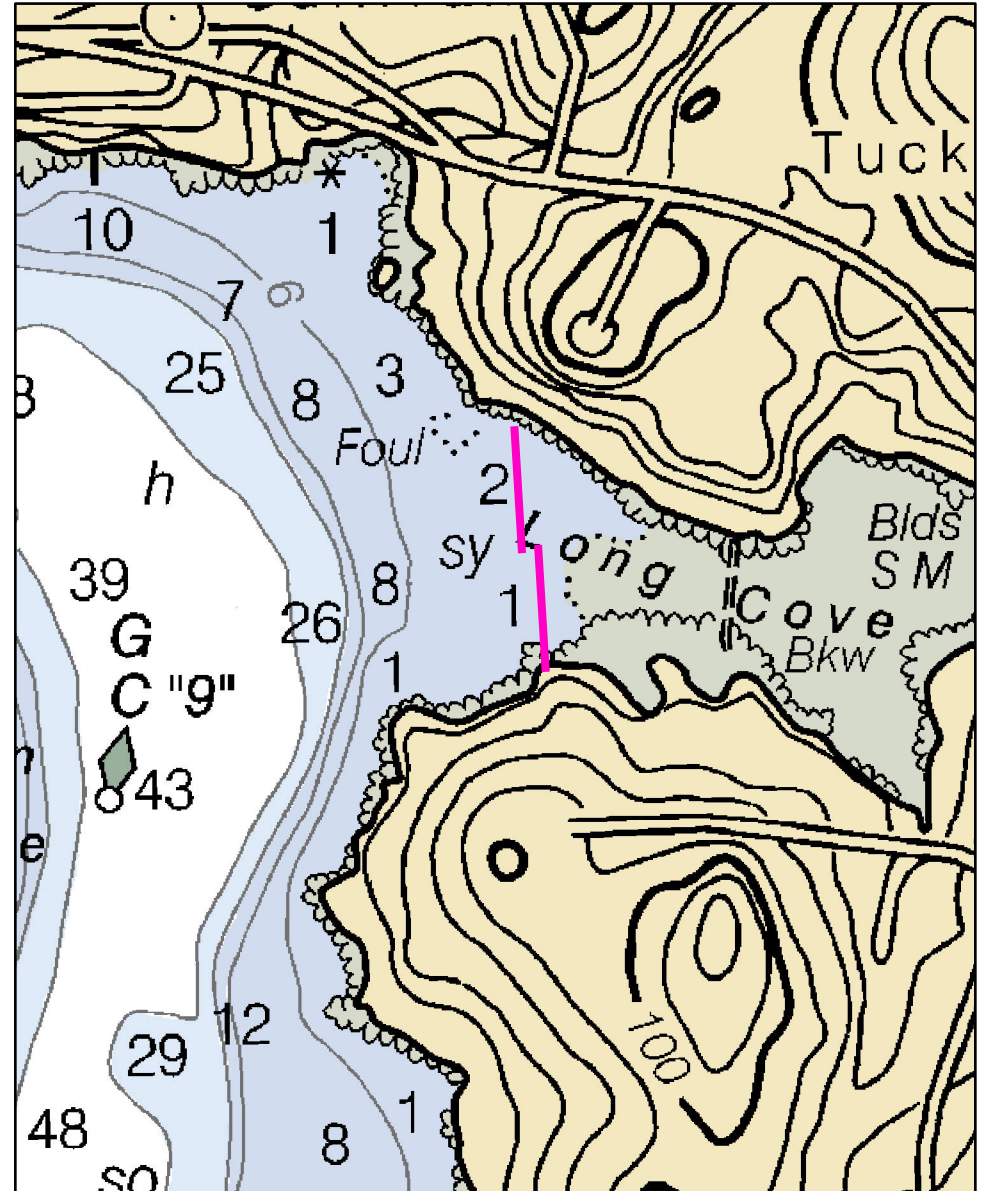
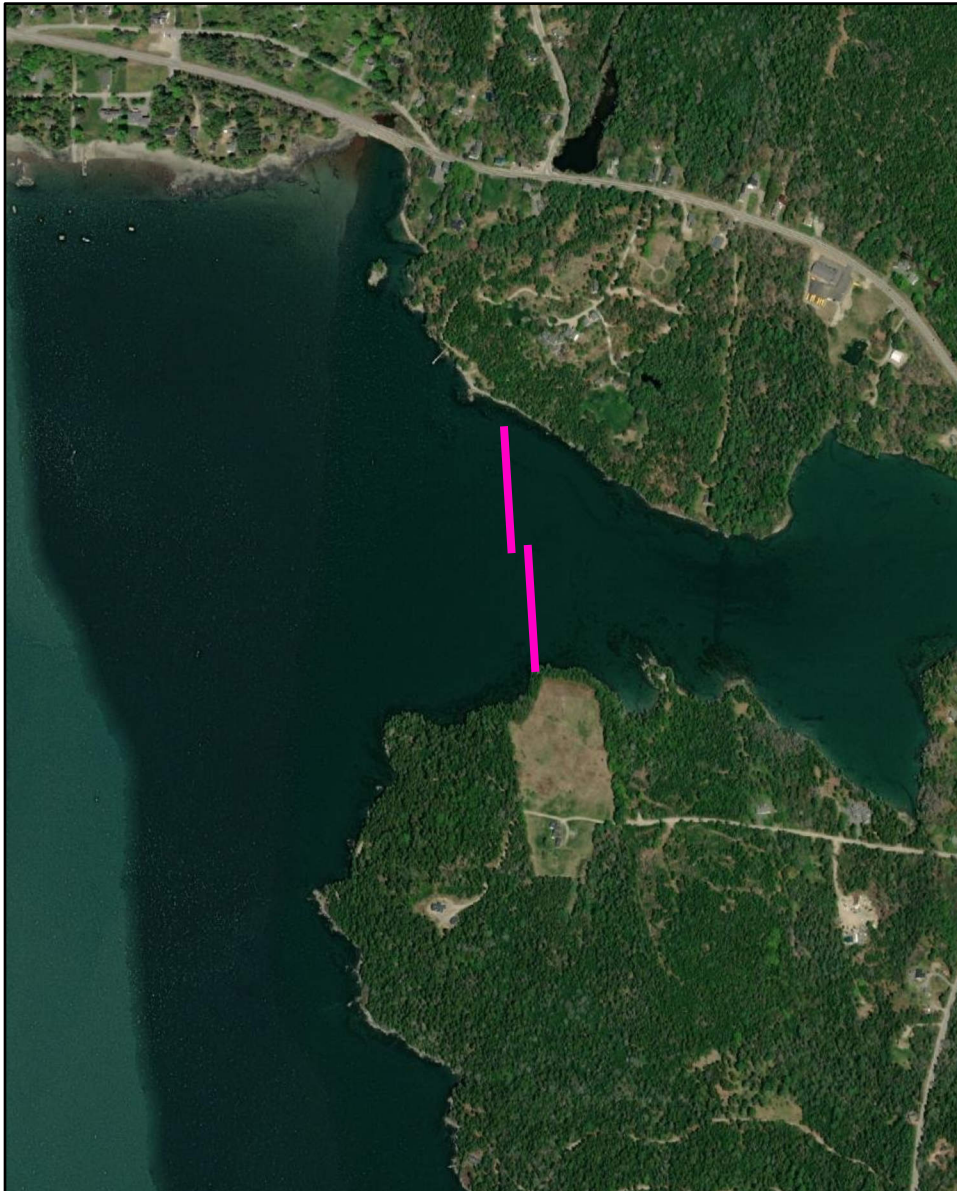
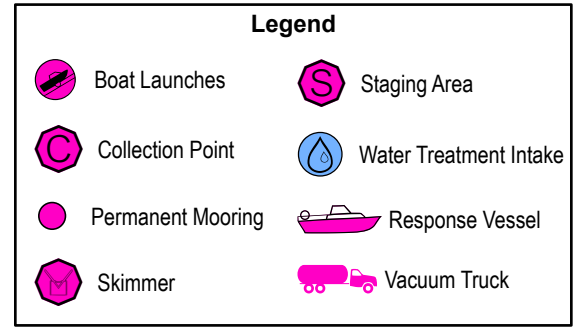
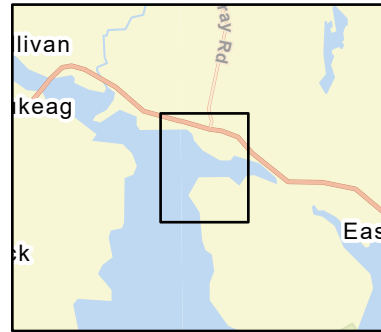
Last Field Test:

C-40-1

Sullivan Harbor / Long Cove
Sorrento / Sullivan, ME



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.

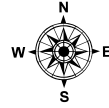
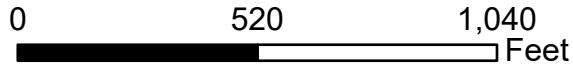
Last Desktop Validation: 2/14/2019

Last Field Visit:

Last Field Test:

C-40-2

Sullivan Harbor / Carrying Place Inlet Hancock, ME



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

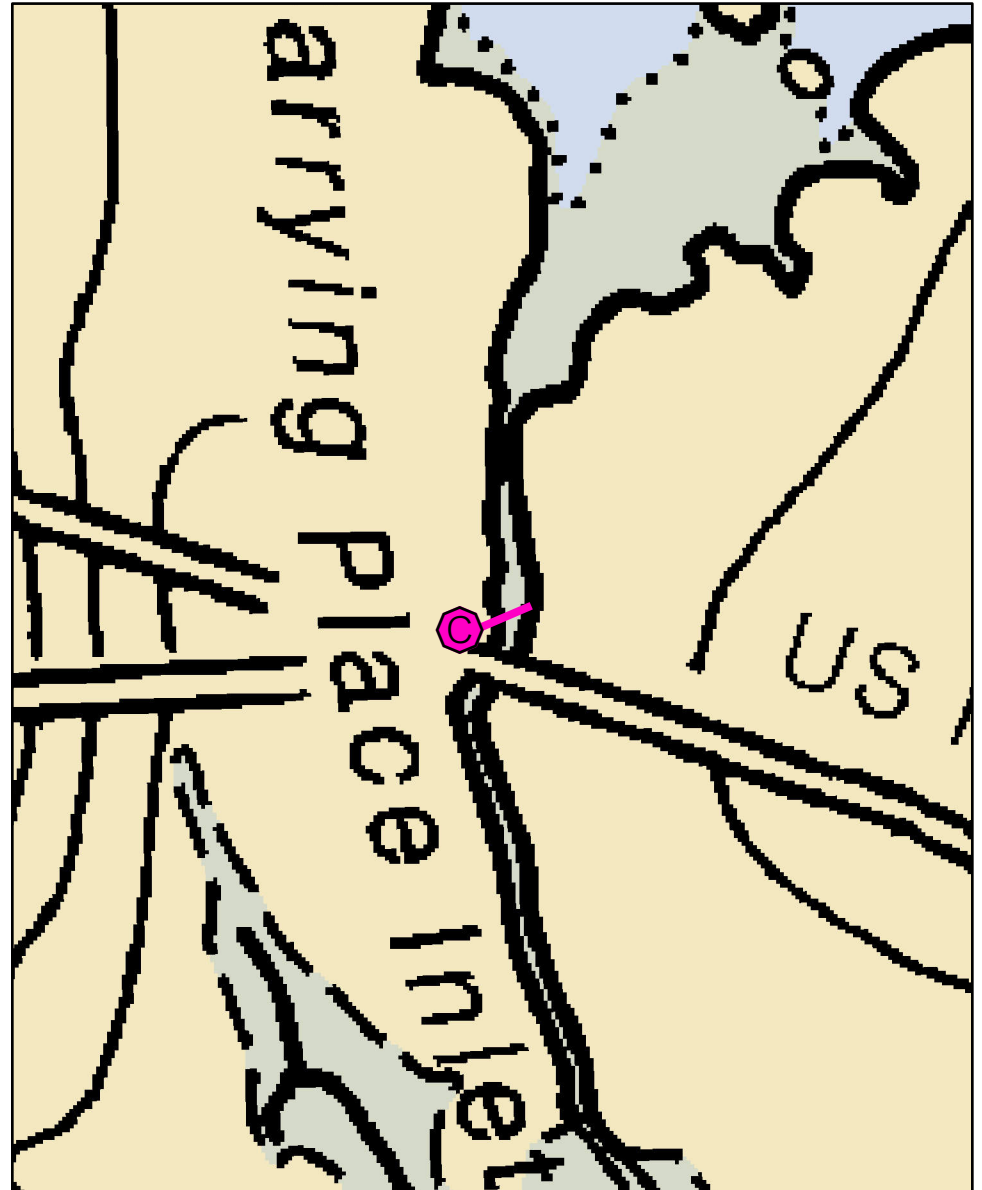


Legend

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



ARCHAEOLOGICAL CONFLICTS MAY BE PRESENT - SEE NARRATIVE



C-40-2 Sullivan Harbor / Carrying Place Inlet

Town Hancock

Port Region Penobscot Bay

Latitude 44° 32.004' N **Longitude** 68° 16.099' W

NOAA Chart # 13318_1

Approx. Tidal Range (feet) 11

ESI Map # 14B

Max Current (knots) Flood Ebb

EVI Map # 69

Source DeLorme Map # (2019) 24 E3

Resources At Risk

ESI Primary Shoreline Type Vegetated low banks (9B)

ESI Secondary Shoreline Type Sheltered rocky shores (8A)

Environmental Concerns Extensive marsh upstream of Route 1. Eelgrass, shellfish beds, marine worm habitat

Archaeological Conflicts Keep downstream anchors on bank top out of channel. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

Strategy Information

Strategy Purpose To deflect oil from large marsh upstream of inlet ("Old Pond")

Staging Areas Route 1 bridge, Hancock. There is a turnout at west side of bridge.

Site Access Route 1, Hancock.

Nearest Boat Ramp N/A. Deploy by hand.

Collection Points West side of Route 1 bridge, Hancock

Special Instructions Marsh is quite sensitive. Consider doubling boom to increase protection. If current prohibits boom placement, may need to go further out toward Taunton Bay

Work Assignment Deploy 100 - 125 feet of boom from Route 1 bridge crossing inlet to eastern shoreline.

Recommended Equipment / Resources

Length of Boom (feet) 125 **Type of Boom** 12" to 18" containment boom

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

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

Last Desktop Validation: 2/14/2019

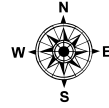
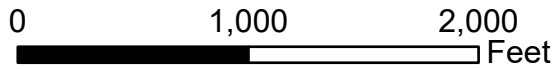
Last Field Visit

Last Field Test:

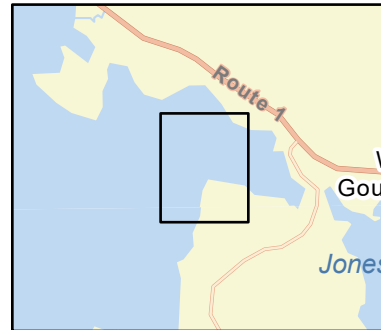
C-41-1

Flanders Bay

Gouldsboro, ME

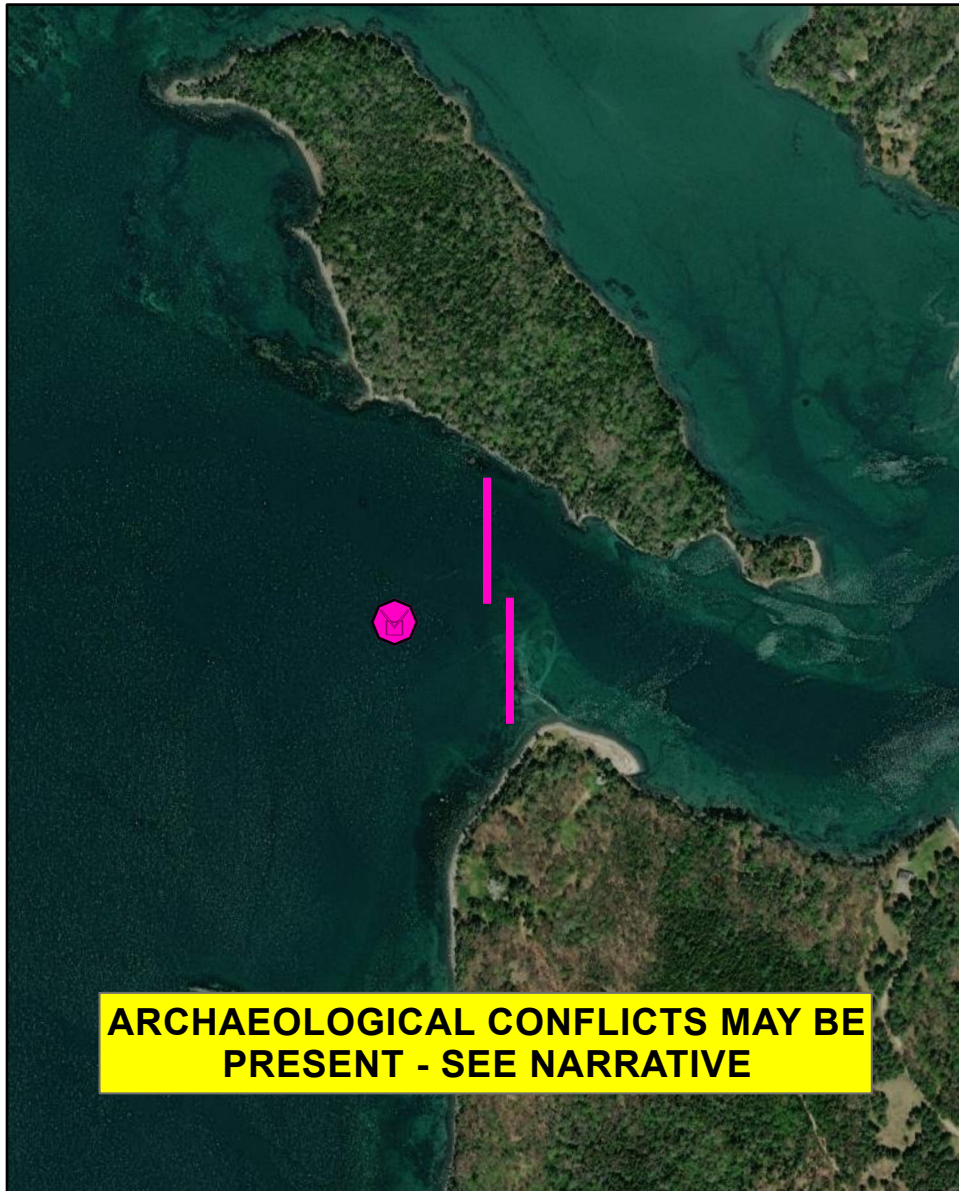


Date printed: 9/13/2022 8:36 AM

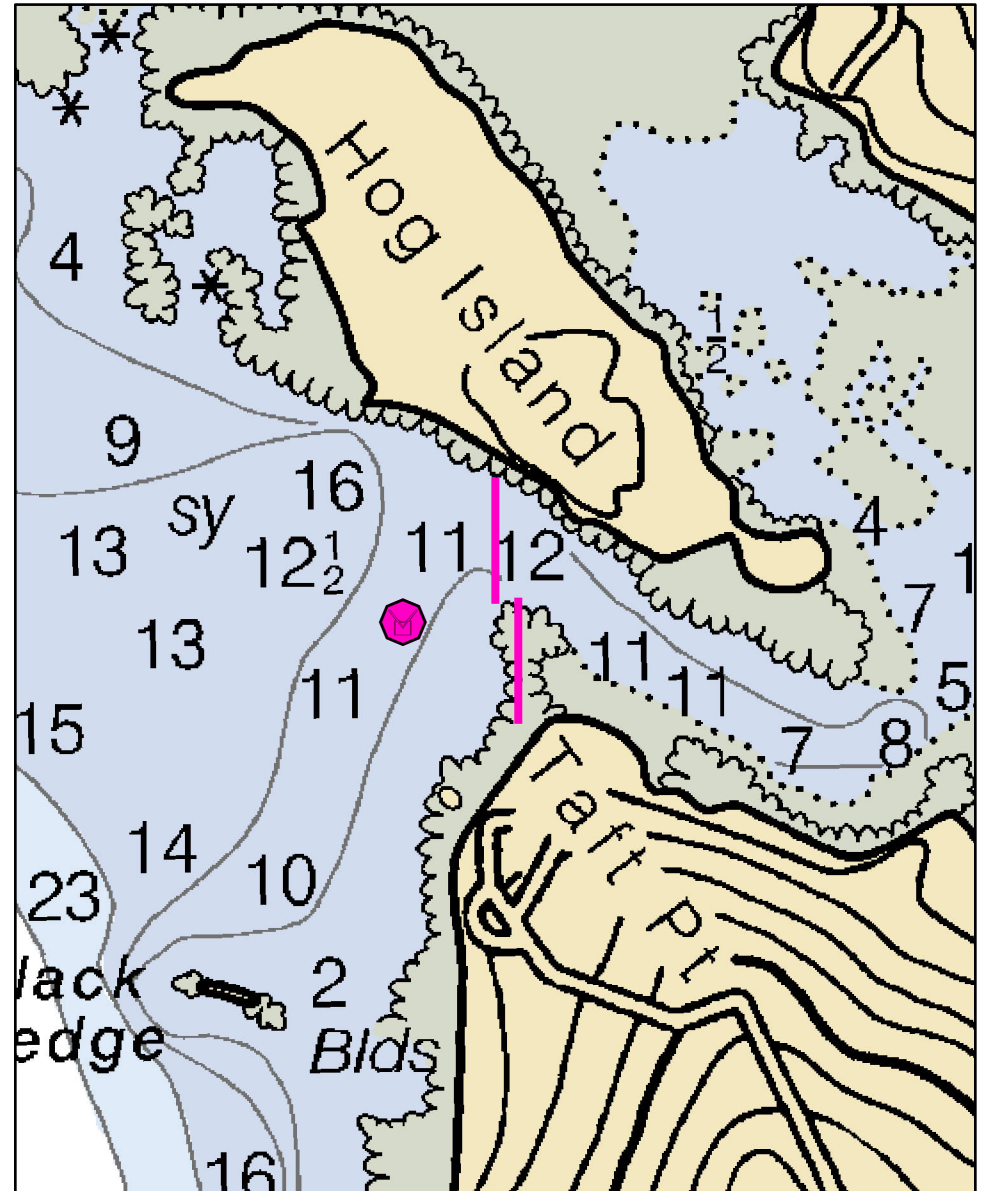


Legend

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



ARCHAEOLOGICAL CONFLICTS MAY BE PRESENT - SEE NARRATIVE



C-41-1 Flanders Bay

Town	Gouldsboro	Port Region	Penobscot Bay
Latitude	44° 27.799' N	Longitude	68° 7.276' W
Approx. Tidal Range (feet)	11	NOAA Chart #	13318_1
Max Current (knots)	Flood	ESI Map #	20A
Source	Ebb	EVI Map #	69
		DeLorme Map # (2019)	16 A5

Resources At Risk

ESI Primary Shoreline Type	Sheltered rocky shores (8A)
ESI Secondary Shoreline Type	Mixed sand and gravel beaches (5)

Environmental Concerns Jones Cove has shorebird habitat, shellfish beds, eelgrass, marine worm habitat and diadromous fish. Other coves in bay are smaller but have similar habitats.

Archaeological Conflicts Use boulder or tree anchors on Hogs Island. Deviations from GRS design will require MHPC review. Contact MHPC at (207) 287-2132.

Strategy Information

Strategy Purpose	To exclude oil from the main channel into Jones Cove, and use JBF skimmer to attempt to collect product in areas where there may be eddies in the quieter areas of the channel.
Staging Areas	Bunker Cove boat ramp, Shore Road, Gouldsboro or Sorrento Harbor and town dock, intersection of Main St. and Ocean Ave., Sorrento
Site Access	By water from Gouldsboro or Sorrento Harbor (see below)
Nearest Boat Ramp	Bunker Cove ramp in Gouldsboro has an all-tide public ramp (end of Shore Road, Gouldsboro). Sorrento Harbor has a small part-tide ramp. Both are about 3 miles from site.
Collection Points	N/A
Special Instructions	Difficult access and limited collection other than skimmer
Work Assignment	Deploy two 500 foot sections of boom between Hog Island southerly toward Taft Point. Deploy JBF skimmer in bay.

Recommended Equipment / Resources

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

Recommended Equipment (Minimum)

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

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

Last Desktop Validation: 2/14/2019

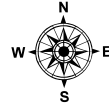
Last Field Visit

Last Field Test:

C-42-1

Winter Harbor / Mosquito Harbor Winter Harbor, ME

0 1,000 2,000
Feet

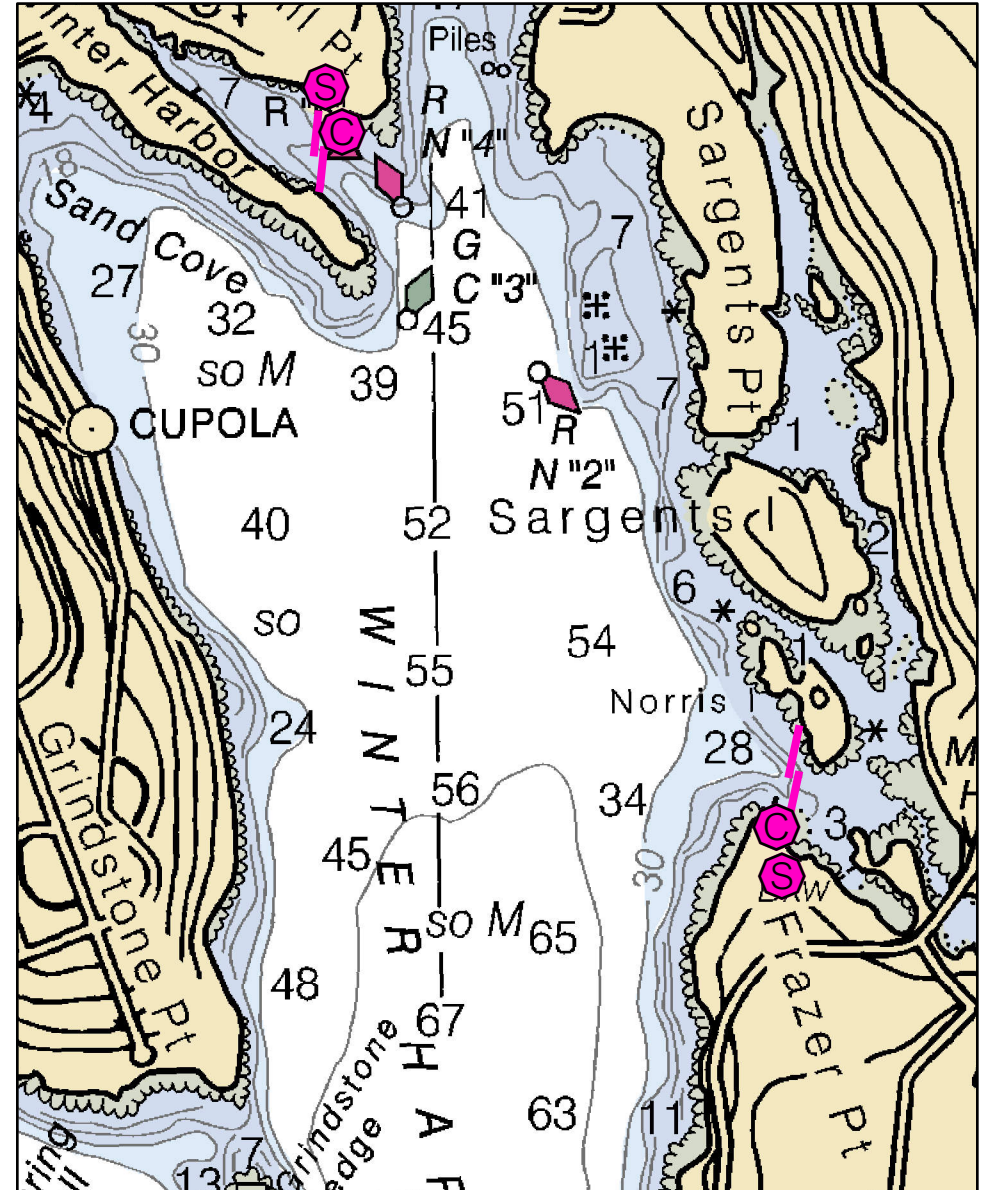
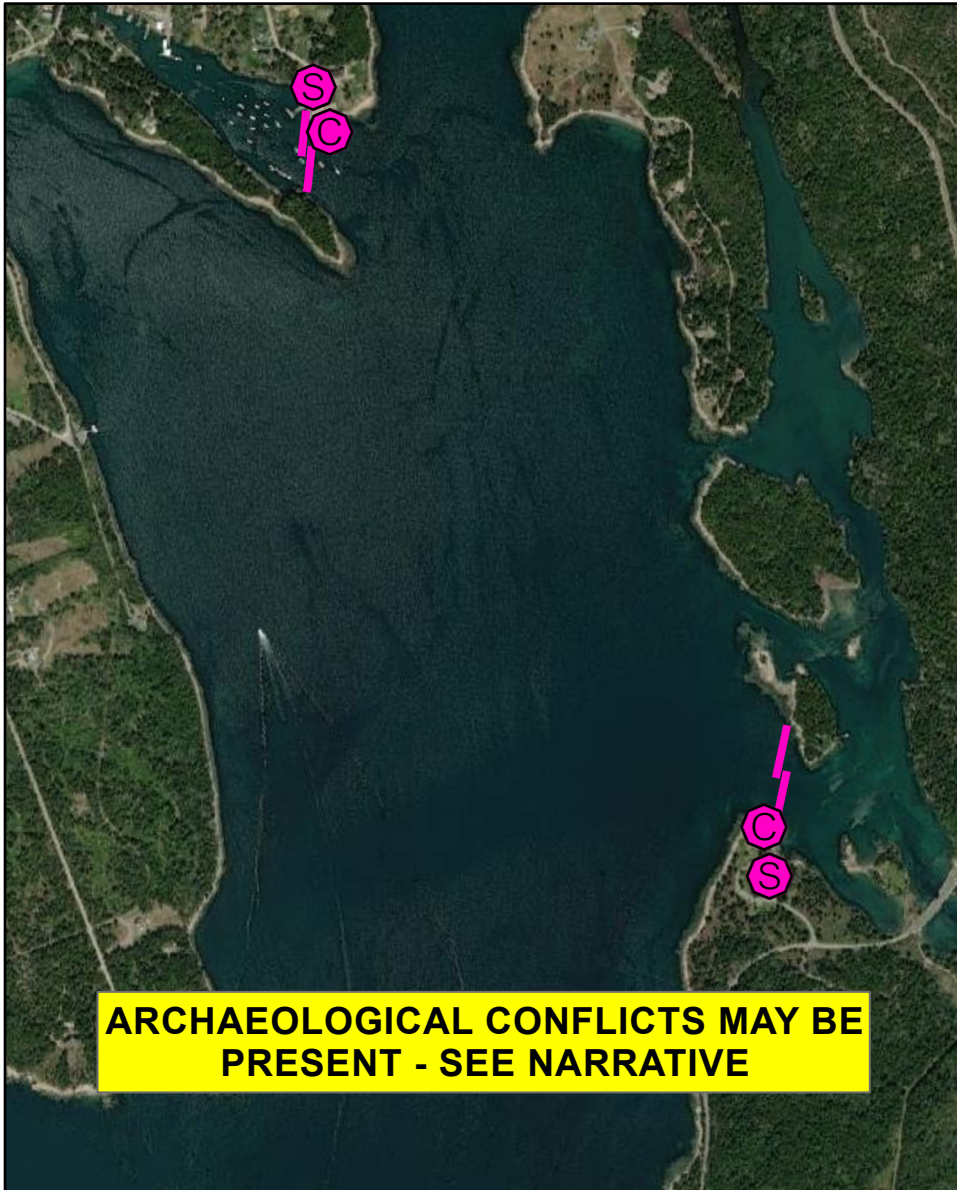


Date printed: 9/10/2022 7:53 PM



Legend

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



Maxar, Province of New Brunswick, Esri Canada, Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, NRCan, Parks Canada, NOAA

C-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

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

Last Desktop Validation: 4/23/2019

Last Field Visit

Last Field Test: