

INLET SUMMARY SHEET

INLET: **Allen Harbor (#24)**

DATE AND TIME SURVEYED AND TIDE STAGE: 19 March 1999, 12:30-12:50. High at 08:59 (+4.5), Low at 14:28 (-0.9), at Wickford Station #1183.

INLET CLASS: **C**

GEOMORPHOLOGY: Natural cove with dredged entrance channel (through shallow flats) and dredged boat basin. Some riprap shoreline.

PRINCIPAL RESOURCES AT RISK: The southern part of Allen Harbor has a somewhat modified shoreline with riprap, seawalls, boat berths, and piers. The northern part has fringing marshes and some tidal flats. Birds, including waterfowl (black ducks, mergansers, Canada geese, diving ducks), raptors (osprey), and gulls utilize the area. Winter flounder may be in the harbor from May to July. Alewife (*Alosa pseudoharengus*) runs may occur in this area. Clams, oysters, and quahogs (*Mercenaria*) are present in the area. Recreational clamming and fishing occurs in the area, especially the northern part of Allen Harbor (Fishing Cove and Mill Creek). The U.S. Construction Battalion Naval Reservation Center occupies much of Allen Harbor. Some commercial fishing and recreational boats use Allen Harbor.

PRELIMINARY PROTECTION STRATEGY: Objective is to trap the majority of the incoming oil before it enters the main body of Allen Harbor. CP-1 to CP-4 are shore-based Collection Points. CP-1 to CP-3 are located in the southern part of Allen Harbor, and CP-4 in the northern part.

From an anchor point SE of the inlet, deploy deflection boom in a NW direction to the exterior sand beach at the base of the riprap on the southern side of the inlet (CP-1). From an anchor point in the navigation channel approximately 70 yards east of the inlet, deploy deflection boom in a Christmas tree configuration to the west side of the boat basin (CP-2) just inside the mouth of the inlet, and to the SE corner of the sand and gravel spit (CP-4) on the northern side of the inlet. Just inside the boat basin on the southern side of the inlet deploy protection boom (west to east) near the northern side of the basin (CP-2) to prevent oil from entering.

From an anchor point on the SW corner of the sand and gravel spit on the northern side of the inlet, deploy deflection boom in a westerly direction to the sand beach across the inlet on the southern side (CP-4).

Collection Point	Description	Access	Proposed Equipment

CP-1	Sand beach	From Hwy. 1 at Quonset Point, turn east on Newcomb Rd. and then follow road to through Naval Construction Battalion Center to Spink Neck. Access point on east side of boat basin	Approx. 150 ft. deflection boom, 2 sets of anchors.
CP-2	Seawall/boat basin/protection boom	Same as CP-1, boat basin on west side or road.	Approx. 250 ft. deflection boom, 100 ft. protection boom, 5 sets of anchors.
CP-3	Sand beach	Same as CP-1, access point west of CP-3.	Approx. 200 ft. deflection boom, 2 sets of anchors.
CP-4	Sand and gravel (mostly sand) beach	From Hwy. 1, turn on Newcomb Rd. Stay on Newcomb Rd. heading north until the north side of Allen Harbor, then turn east on dirt road towards point. Access to CP-4 difficult. May consider boat access from across channel (from CP-2).	Approx. 200 ft. deflection boom, 2 sets of anchors.

RESOURCES REQUIRED (if full strategy is implemented): Approximately 800 ft. of deflection boom; 100 ft. protection boom; 11 anchor sets minimum. Vacuum trucks (2,000-5,000 gal. capacity) with skimmer heads, additional storage capacity, and other equipment as needed.

CONTACT INFORMATION:

Rhode Island Dept. of Env. Mgmt. Emergency Response: (401) 222-3070
U.S. Fish and Wildlife: (401) 364-9124
U.S. Coast Guard: (401) 435-2300
Coastal Resources Management Council: (401) 783-3370
North Kingstown EMA Director: (401) 294-3311

OTHER COMMENTS:

24 - ALLEN HARBOR



From USGS 7.5' topographic quads: Wickford, RI, published: 1995; and East Greenwich, RI published: 1957, photorevised 1970 and 1975

SCALE 1 : 24,000



MILES



KILOMETERS

177



INLET SKETCH MAP

Inlet Name ALLEN HARBOR

Inlet Number 24

Recorder(s) MOH/LC

Date/Time 19 MARCH 1999; 1247

Tide Stage EBB

Inlet Classification C

CHECKLIST

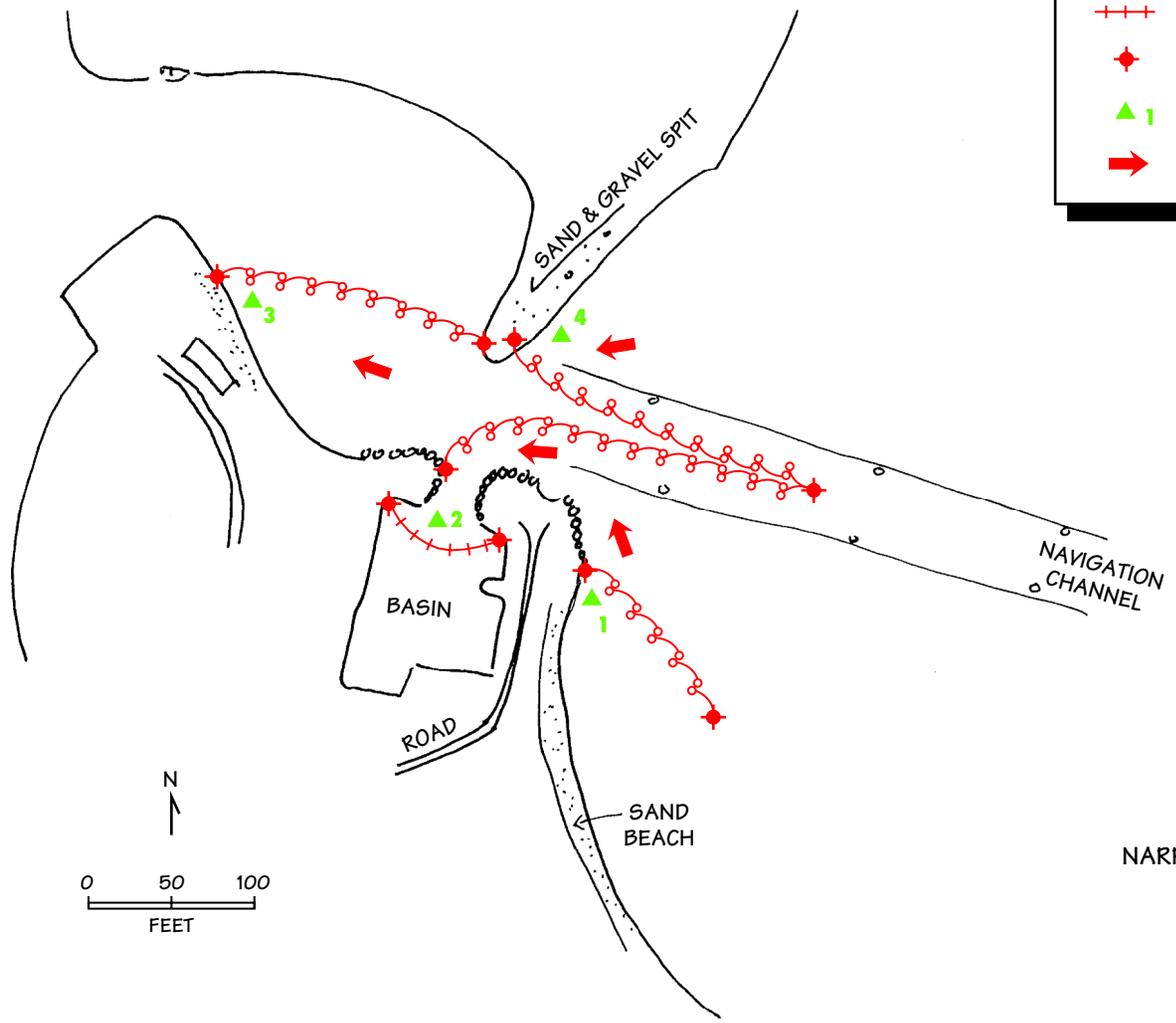
- North Arrow
- Scale
- Substrate Type

178

LEGEND

-  Red Channel Marker Buoy
-  Green Channel Marker Buoy
-  Marsh
-  Riprap
-  Sand
-  Sand & Gravel
-  Gravel

POTENTIAL PROTECTION STRATEGY (FLOOD TIDE)	
	Deflection Boom
	Protection Boom
	Anchor Point
	Collection Point
	Path of Oil



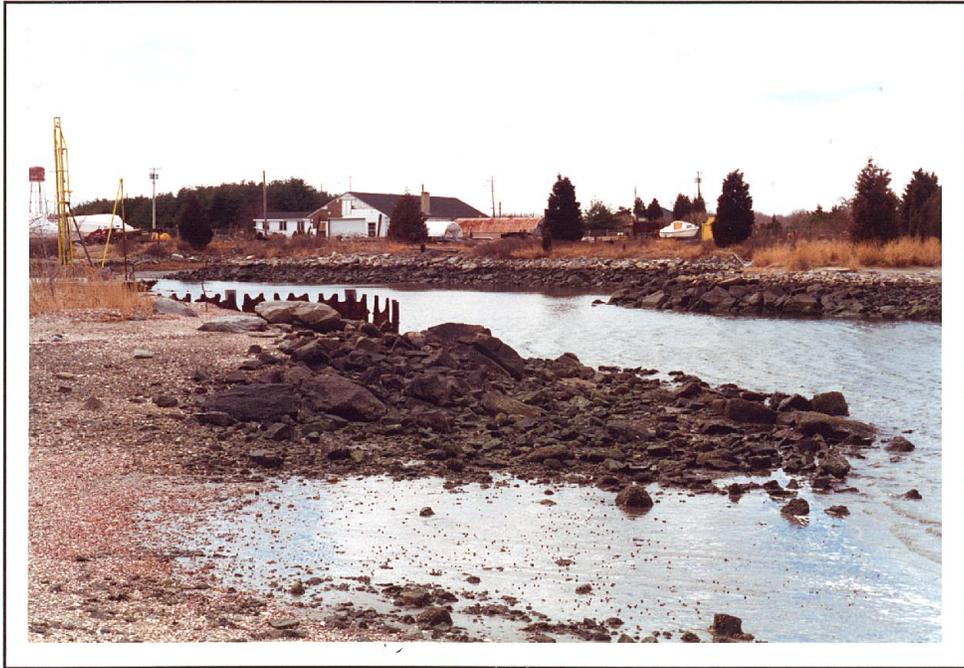
NARRAGANSETT BAY

24 - ALLEN HARBOR



From USGS NAPP: roll #8355, frame #214; March 1995; scale -1:40,000
179

0 1 2 MILES



Looking SSW at CP-2 during ebb-tide on 19 March 1999, Allen Harbor (#24).



Looking west at low tide on 17 March 1999, Allen Harbor (#24).