

# INLET SUMMARY SHEET

INLET: Winnapaug Pond; Weekapaug Breachway (#2)

DATE AND TIME SURVEYED AND TIDE STAGE: 18 March 1999, 08:45-10:00. High at 08:44 (+3.2), Low at 14:59 (-0.9), at Watch Hill Point, Outer Coast, Station #1193.

INLET CLASS: B

GEOMORPHOLOGY: Classic tidal inlet stabilized with jetties. No conspicuous ebb- or flood- tidal deltas. Expect flood currents up to 3 knots between jetties, and large waves in entrance during stormy conditions. Long, developed man-maintained channel.

PRINCIPAL RESOURCES AT RISK: Extensive salt marshes, notably the South side of the pond just inside the channel, are associated with Winnapaug Pond. Numerous waterbirds, including wading birds, waterfowl (diving ducks, mergansers, brants, canada geese, black ducks, puddle ducks, seaducks), shorebirds, and gulls utilize the area. River otters and diamond back terrapins are also known to be in the area. Winter flounder, alewife (both juveniles and adults), bluefish, eels, and striped bass may be found in the pond. Seasonal migrants to the area include jacks, triggers, butterfly fish, and northern baracuda. Lobsters, blue and green crabs, horseshoe crabs, clams, quahogs (*Mercenaria*), soft shell clams, oysters, and scallops are present. Some aquaculture is reported in the western end of the pond. Recreational and some commercial harvesting of clams, quahogs, and scallops occurs in the pond. There are a number of piers and boat berths throughout the pond, including the entrance channel. A number of private residences are distributed around the pond.

PRELIMINARY PROTECTION STRATEGY: Objective is to trap the majority of the incoming oil in the channel before it enters Winnapaug Pond. CP-1 and CP-2 are shore-based Collection Points located on the western side of the inlet. CP-3 and CP-4 are also shore-based Collection Points, but are located on the eastern side of the inlet.

From near/or at the western support of the Weekapaug Bridge, deploy deflection boom approximately 100 ft. to an anchor point on the northern side of the cut (CP-1) on the west side of the inlet. This is a natural back eddy area. Deploy approximately 200 ft. of protection boom in front of the riprap lining this area, and to also prevent oil from going under the small concrete foot bridge in the cut. From an anchor point in the channel, approximately 200 yards north of Weekapaug Bridge, deploy deflection boom to the east side of the channel, just north of the boat slips located adjacent to the road (CP-3). From CP-1, deploy approximately 1,200 ft. of protection boom along the western side of the channel. From the same primary anchor point in the channel used for CP-3, deploy deflection boom to the west side of the channel to the fourth pier on this side (CP-2). This pier is the one that has no house in front of it.

On the east side of the inlet, approximately 600 yards north of Weekapaug Bridge, deploy protection boom for approximately 400 ft. to a primary anchor point approximately 50 yards SSE of the bridge that crosses over the pond on the northern side of the inlet. From this anchor point, deploy approximately 500 ft. of deflection boom in a westerly direction to an anchor point in front of the seawall/riprap (CP-4). From the western bank of the inlet at the point where the inlet turns west, deploy approximately 300 ft. of deflection boom to an anchor point in front of the seawall/riprap (CP-4). From anchor point west of CP-4, deploy protection boom for approximately 500 ft. (in front of the tidal flats and salt marshes as needed).

From anchor point south of CP-4, and on the other side of the channel, deploy protection boom in front of the tidal flats and salt marshes as needed.

Collection Point	Description	Access	Proposed Equipment
CP-1	Riprap	From Hwy. 1, at Dunn's Corner, turn south on Longworthy Rd. Turn west to cross Weekapaug Breachway Bridge. Immediately after bridge turn right (north) to access parking area.	Approx. 100 ft. deflection boom, 200 ft. protection boom, 5 sets of anchors.
CP-2	Seawall/riprap, some sand and gravel	After crossing Weekapaug Breachway Bridge, turn north on the first paved street. CP-2 located approximately 400 yards on the right.	Approx. 700 ft. deflection boom, 1,200 ft. protection boom, 19 sets of anchors.
CP-3	Seawall/riprap, wooden boat slips	On Longworthy Rd., approximately 300 yards before Weekapaug Breachway Bridge on the right.	Approx. 500 ft. deflection boom, 5 sets of anchors.
CP-4	Seawall/riprap, small sand beach	From Longworthy Rd., turn west on paved road approximately 600 yards after the intersection with Shore Rd. Turn South on the first street.	Approx. 800 ft. deflection boom, 500 ft. protection boom, 13 sets of anchors.

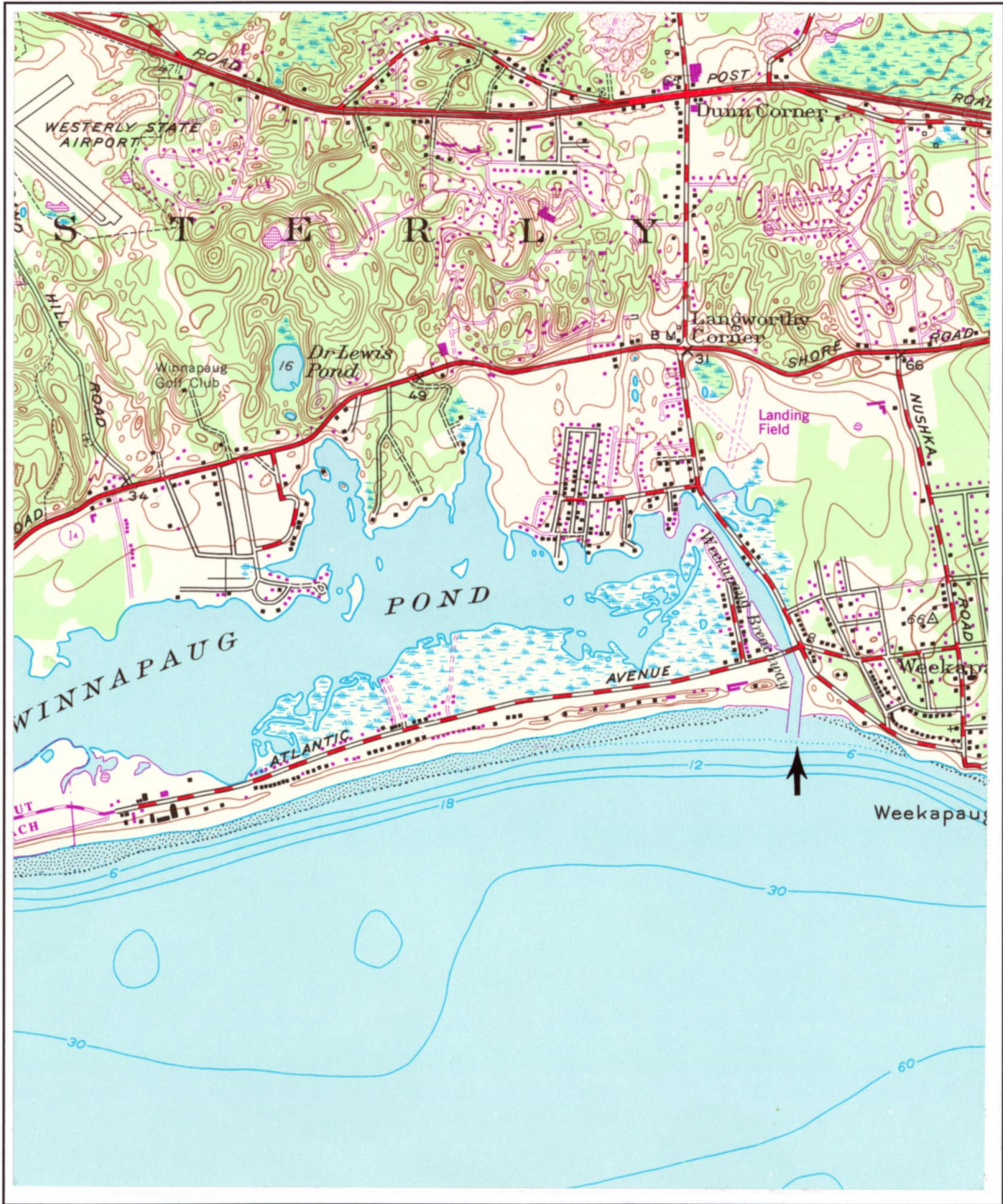
RESOURCES REQUIRED (if full strategy is implemented): Approximately 2,100 ft. of deflection boom; approximately 1,900 ft. of protection boom; 42 anchor sets minimum. Vacuum trucks (2,000-5,000 gal. capacity) with skimmer heads, additional storage capacity, and other equipment as needed.

CONTACT INFORMATION:

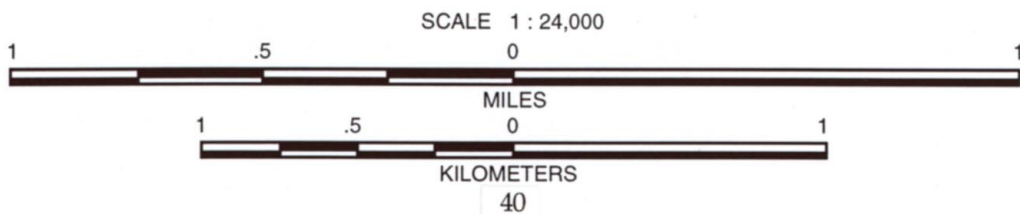
Rhode Island Dept. of Env. Mgmt. Emergency Response:	(401) 222-3070
U.S. Fish and Wildlife:	(401) 364-9124
U.S. Coast Guard:	(401) 435-2300
Coastal Resources Management Council:	(401) 783-3370
Westerly EMA Director:	(401) 348-2030

OTHER COMMENTS:

## 2 - WINNAPAUG POND; WEEKAPAUG BREACHWAY



From USGS 7.5' topographic quad: Watch Hill, Rhode Island, Connecticut, published: 1953, photorevised 1984



# INLET SKETCH MAP








Inlet Name WINNAPaug POND;  
WEEKAPaug BREACHWAY  
 Inlet Number 2  
 Recorder(s) MOH/LC/SM/WH  
 Date/Time 18 MARCH 1999; 0930  
 Tide Stage HIGH  
 Inlet Classification B

## CHECKLIST






- North Arrow
- Scale
- Substrate Type

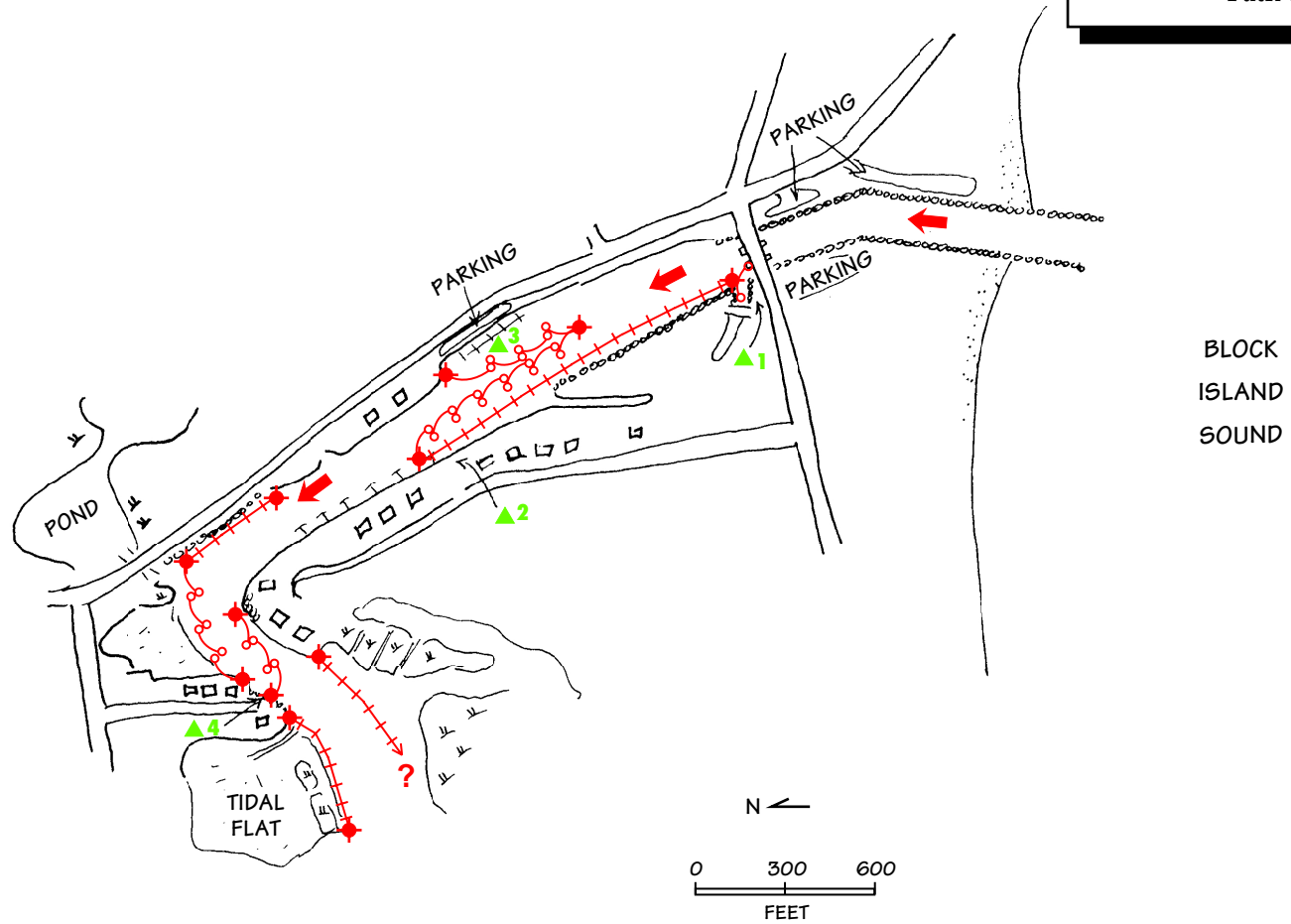
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## LEGEND

-  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

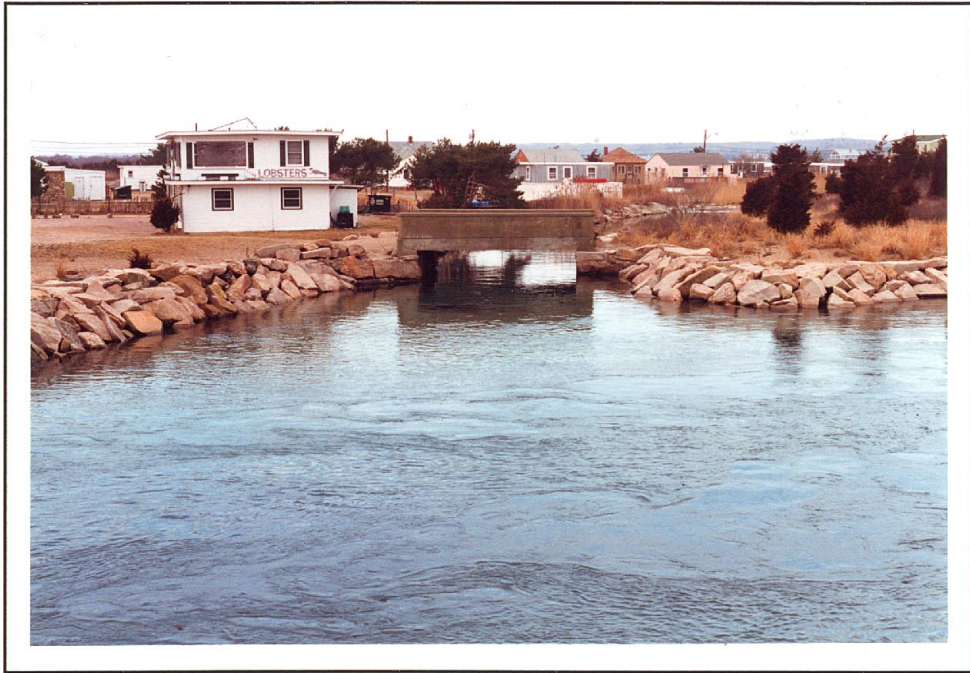


# 2 - WINNAPAUG POND; WEEKAPAUG BREACHWAY



From USGS NAPP: roll #8796, frame #65; May 1996; scale -1:40,000

0 1 2 MILES



Looking west at CP-1 at high tide on 18 March 1999, Winnapaug Pond; Weekapaug Breachway (#2).



Looking south at low tide on 18 March 1999, Winnapaug Pond; Weekapaug Breachway (#2).