

INLET SUMMARY SHEET

INLET: Dutch Island Harbor–Fox Hill Pond (#15)

DATE AND TIME SURVEYED AND TIDE STAGE: 24 March 1999, 12:45-13:00. Low at 06:57 (+0.1), High at 13:25 (+3.1), at Beavertail Point Station #1149.

INLET CLASS: C

GEOMORPHOLOGY: “Half inlet” configuration as result of west-building sand and gravel spit forcing inlet channel against west side of cove. Ebb dominant, sediment supply low as evidenced by eroding marsh peat in intertidal zone.

PRINCIPAL RESOURCES AT RISK: Extensive salt marsh and tidal flats are associated with Fox Hill Pond. Birds, including wading birds, waterfowl (puddle ducks, mergansers, seaducks), raptors (osprey) and diving birds (loons) utilize the area. Clams and quahogs (*Mercenaria*) are present. Winter flounder, striped bass and a number of estuarine finfish and small bait fish are present in the area. The Dutch Island Harbor–Fox Hill Pond area is a recreational fishing area. Fox Hill Wildlife Preserve encompasses the pond, and Fort Getty State Park borders the west side of the pond.

PRELIMINARY PROTECTION STRATEGY: Due to the fact that the area is somewhat protected from large waves, the primary objective is to deploy protection boom across the north side of the pond to prevent oil from entering it. As a backup, CP-1 is an open water skimmer deployed just inside the pond.

Utilizing the concrete anchor points on the west side of the inlet and north of the boat ramp, deploy protection boom in an easterly direction to an anchor point on the headland to the east.

From an anchor point approximately 35 yards SE of the boat ramp, deploy protection boom for approximately 400 ft. in an easterly direction to a primary anchor point, and from there deploy deflection boom in a SSE direction to the skimmer at CP-1. From an anchor point near the end of the high sand and gravel spit on the eastern side of the inlet, deploy approximately 400 ft. of protection boom in a westerly direction to another primary anchor point, from which deflection boom should be deployed in a southerly direction to the skimmer at CP-1.

Collection Point	Description	Access	Proposed Equipment
	Protection boom	From Jamestown go south towards Mackerel Cove Beach. On the west side of Mackerel Cove Beach, go west to Fox Hill Pond boat ramp.	Approx. 1,800 ft. protection boom, 18 anchor sets.
CP-1	Skimmer	Same as above. Deploy skimmer from boat ramp at high tide.	Approx. 700 ft. deflection boom, 800 ft. protection boom, 15 anchor sets, skimmer.

RESOURCES REQUIRED (if full strategy is implemented): Approximately 700 ft. of deflection boom; 2,600 ft. of protection boom; 33 anchor sets minimum. One JBF 420 Skimmer System with skimming capacity of 225 bbl/hr, and onboard storage capacity of 1,320 gals. 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
Jamestown EMA Director:	(401) 423-0062

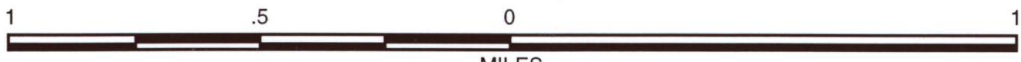
OTHER COMMENTS:

15 - DUTCH ISLAND HARBOR - FOX HILL POND

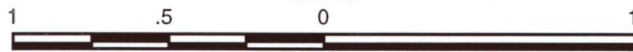


From USGS 7.5' topographic quads: Narragansett Pier published: 1957, photorevised 1970 and 1975; and Wickford, RI published: 1995; and Prudence Island, RI published: 1955, photorevised 1970 and 1975; and Newport, RI published: 1957, photorevised 1970, photoinspected 1975

SCALE 1 : 24,000



MILES



KILOMETERS



INLET SKETCH MAP

Inlet Name FOX HILL POND

Inlet Number 15

Recorder(s) MOH/LC/SM

Date/Time 24 MARCH 1999; 1300

Tide Stage NEAR HIGH

Inlet Classification C

POTENTIAL PROTECTION STRATEGY (FLOOD TIDE)

- +++ Protection Boom
- Deflection Boom
- ◆ Anchor Point
- ▲ Collection Point
- Skimmer

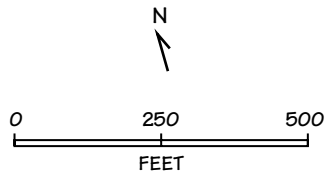
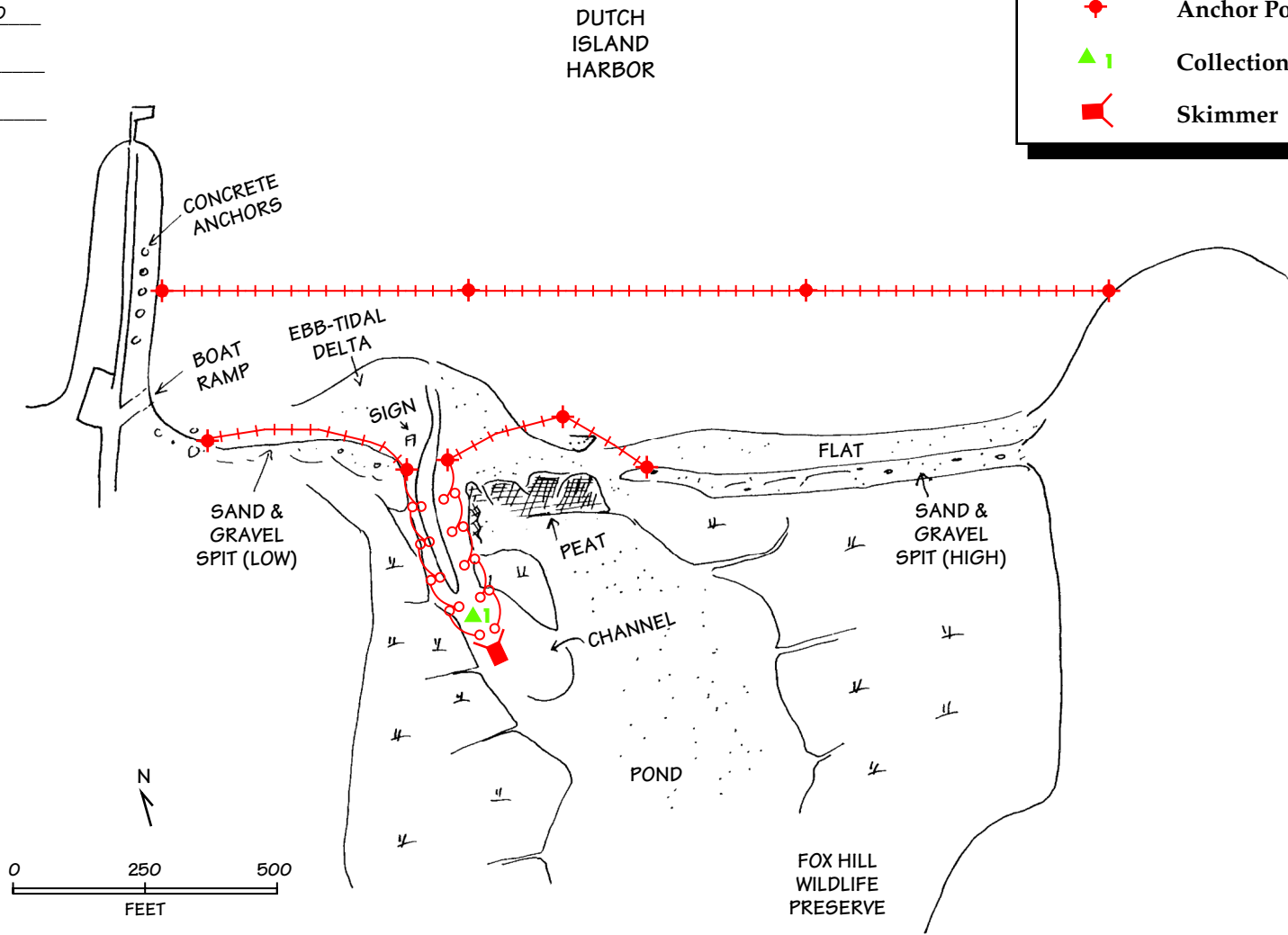
CHECKLIST

- ✓ North Arrow
- ✓ Scale
- ✓ Substrate Type

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LEGEND

- ^R Red Channel Marker Buoy
- ^G Green Channel Marker Buoy
- ∟ ∟ Marsh
- Riprap
- Sand
- Sand & Gravel
- Gravel



15 - DUTCH ISLAND HARBOR - FOX HILL POND



From USGS NAPP: roll #8355, frame #218; March 1995; scale -1:40,000

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0 1 2 MILES



Looking SSE at high tide on 24 March 1999, Dutch Island Harbor-Fox Hill Pond (#15).



Looking east at low tide on 17 March 1999, Dutch Island Harbor-Fox Hill Pond (#15).