

INLET SUMMARY SHEET

INLET: Occupessatuxet Cove (#28)

DATE AND TIME SURVEYED AND TIDE STAGE: 19 March 1999, 15:45-16:15. Low at 14:24 (-1.1), High at 21:21 (+5.9), at Nayatt Point Station #1175.

INLET CLASS: C

GEOMORPHOLOGY: Natural cove with an eroding small island (Greene Island) on northeast side of entrance. Island is connected to the north shore by a 1,200 ft.-long, linear tidal flat.

PRINCIPAL RESOURCES AT RISK: Salt marshes and large tidal flats are associated with Occupessatuxet Cove. Dune grasses cover the sand dunes around the cove, above the high tide mark. Birds, including waterfowl (black ducks, puddle ducks, scaup, brants, Canada geese, mergansers, and diving ducks), raptors (osprey), and gulls utilize the area. Otters are present. Blue crabs and horseshoe crabs, as well as blue mussels, clams, oysters, and quahogs (*Mercenaria*) are present in the area. Winter flounder spawn in this area. Other fish present include tautog, alewife, and striped bass. Recreational hunting, clamming, and fishing occurs in the area. Private residences are located around most of the cove.

PRELIMINARY PROTECTION STRATEGY: Due to lack of adequate natural collection points, the objective is to deploy two skimmers to trap the majority of the incoming oil near the mouth of the cove.

Deploy protection boom in a SSE direction from the SW point on the northern side of the cove to Greene Island (on the landward side of the tidal flat). From the anchor point on Greene Island, deploy deflection boom in a NW direction to a skimmer (CP-1). From an anchor point on the southern side of the cove, deploy deflection boom in a NEE direction to the skimmer at CP-1. From the anchor point at the SW point on the northern side of the cove, deploy deflection boom in a SWW direction to a skimmer (CP-2). From an anchor point on the southern end of the cove, deploy deflection boom in a NW direction to the skimmer at CP-2.

Collection Point	Description	Access	Proposed Equipment
	Tidal flat - protection boom	From Rte. 117 (Warwick Ave.) go east on Spring Green Rd. (Private). Continue east to the point on the north end of the cove.	Approx. 1,700 ft. protection boom, 17 sets of anchors.
CP-1	Skimmer	Deploy skimmer from one of the private residence piers, or from a nearby boat ramp.	Approx. 2,700 ft. deflection boom, 27 sets of anchors, skimmer.
CP-2	Skimmer	Same as CP-1.	Approx. 2,000 ft. deflection boom, 20 sets of anchors, skimmer.

RESOURCES REQUIRED (if full strategy is implemented): Approximately 4,700 ft. of deflection boom; 1,700 ft. protection boom; 64 anchor sets minimum; 2 skimmers. Two JBF 420 Skimmer Systems 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
Warrick EMA Director:	(401) 737-2244

OTHER COMMENTS:

28 - OCCUPESSATUXET COVE

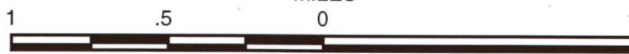


From USGS 7.5' topographic quads: East Greenwich, and Providence, RI published: 1957, photorevised 1970 and 1975; Bristol, RI-Mass published: 1955, photorevised 1970 and 1975; East Providence, RI-Mass published: 1971, photorevised 1979

SCALE 1 : 24,000



MILES



KILOMETERS



INLET SKETCH MAP

Inlet Name OCCUPESSATUXET COVE

Inlet Number 28

Recorder(s) MOH/LC

Date/Time 19 MARCH 1999; 1605

Tide Stage LOW








Inlet Classification C






CHECKLIST

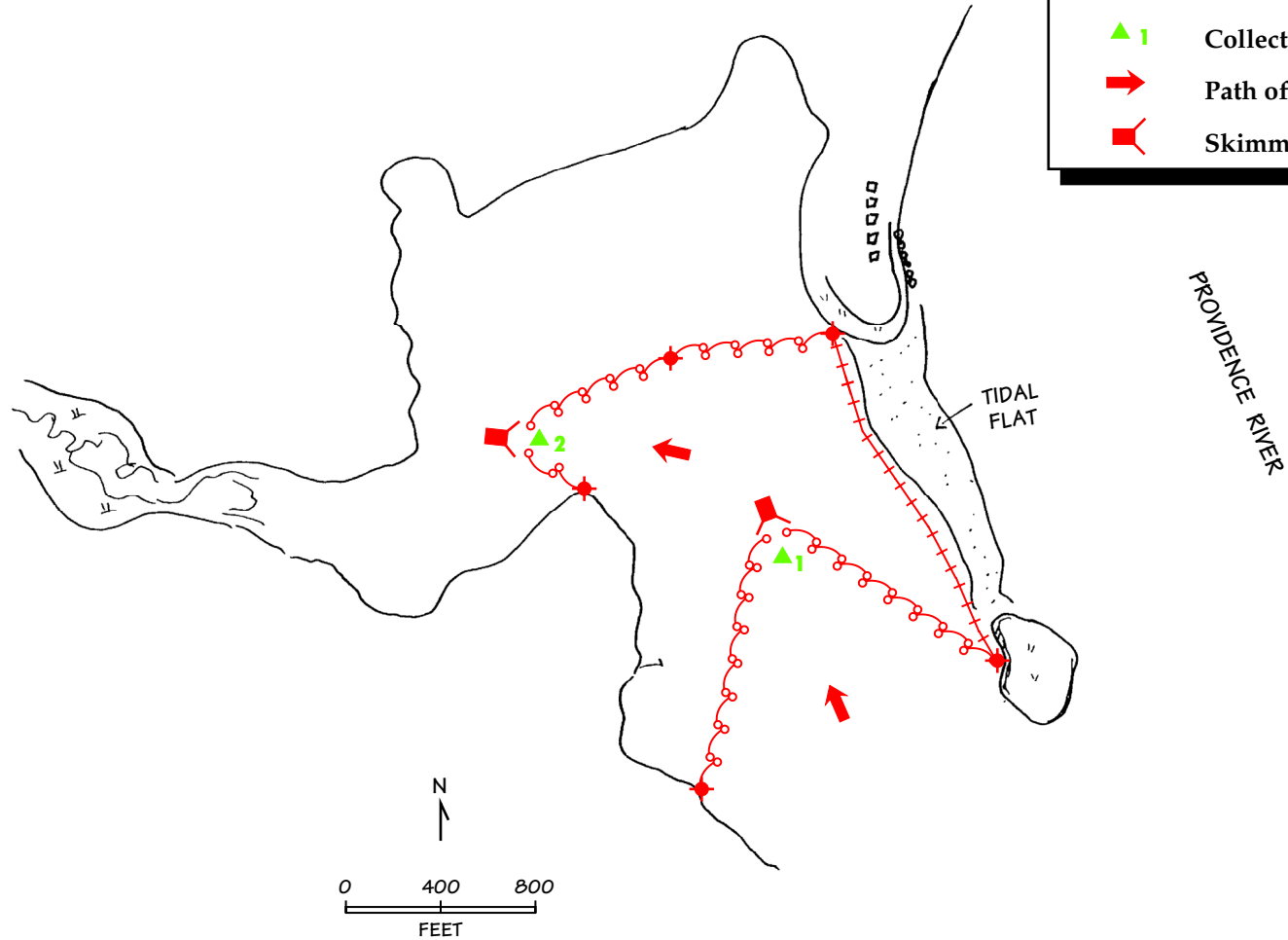
- North Arrow
- Scale
- Substrate Type

202

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
	Skimmer



28 - OCCUPESSATUXET COVE



From USGS NAPP: roll #8355, frame #232; March 1995; scale -1:40,000
203

0 1 2 MILES



Looking SSE across tidal flat on north side of the cove at low tide on 19 March 1999, Occupessatuxet Cove (#28).