

## INLET SUMMARY SHEET

INLET: Dutch Island Harbor–Sheffield Cove (#16)

DATE AND TIME SURVEYED AND TIDE STAGE: 24 March 1999, 13:00 - 13:20. Low at 06:57 (+0.1), High at 13:25 (+3.1), at Beavertail Point Station #1149.

INLET CLASS: C

GEOMORPHOLOGY: Shallow, natural cove with no barrier spit closing off entrance. Low sediment supply. No evidence of intense wave activity.

PRINCIPAL RESOURCES AT RISK: A narrow fringing salt marsh, some tidal flats and eel grass beds are associated with Dutch Island Harbor–Sheffield Cove. Birds, including wading birds, waterfowl (diving ducks, brants, seaducks), and gulls utilize the area. Harbor seals are present in the area. Clams, oysters, razor clams, scallops, and quahogs (*Mercenaria*) are present. Winter flounder, striped bass, and a number of estuarine finfish are reported to be in the pond. Sheffield Cove has recreational fishing and clamming.

PRELIMINARY PROTECTION STRATEGY: Due to the fact that the area is somewhat protected from large waves, and since other practical alternatives would be difficult to implement, the objective is to deploy two lines of protection boom across the north side of the pond to prevent oil from entering. An open water skimmer could be deployed just outside of the protection booms to collect oil.

From the sand and gravel beaches located either side of the cove, deploy two lines of protection boom across the north side (entrance) of the cove.

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 north on unpaved private farm road which ends near the entrance of the cove.	Approx. 1,800 ft. protection boom, 18 anchor sets.

Collection Point	Description	Access	Proposed Equipment
	Skimmer	Same as above. Deploy skimmer from boat ramp at Dutch Island Harbor–Fox Hill Pond	Skimmer.

RESOURCES REQUIRED (if full strategy is implemented): Approximately 1,800 ft. of protection boom; 18 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:

# 16 - DUTCH ISLAND HARBOR - SHEFFIELD COVE

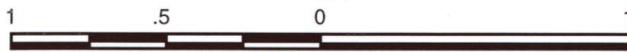


From USGS 7.5' topographic quads: Narragansett Pier published: 1957, photorevised 1970 and 1975; and Wickford, RI published: 1995; and Prudence Island, RI published: 1955, photorevised 1970 and 1975; and Newport, RI published: 1957, photorevised 1970, photoinspected 1975

SCALE 1 : 24,000



MILES



KILOMETERS





# 16 - DUTCH ISLAND HARBOR - SHEFFIELD COVE



From USGS NAPP: roll #8355, frame #218; March 1995; scale -1:40,000  
130

0 1 2 MILES



Looking SSE at low tide on 17 March 1999, Dutch Island Harbor–  
Sheffield Cove (#16).