

INLET SUMMARY SHEET

INLET: Dutch Island Harbor–Jamestown Brook (#18)

DATE AND TIME SURVEYED AND TIDE STAGE: 24 March 1999, 11:00-12:10. Low at 06:57 (+0.1), High at 13:25 (+3.1), at Beavertail Point Station #1149.

INLET CLASS: D

GEOMORPHOLOGY: “Half inlet” configuration with a migrating spit that has forced the stream outlet far to the southeast. Small ebb-tidal delta.

PRINCIPAL RESOURCES AT RISK: Small fringing salt marsh lines the channel associated with Dutch Island Harbor–Jamestown Brook. Birds, including wading birds, waterfowl (canada geese, black ducks), raptors (osprey), and gulls utilize the area. Clams, oysters, and quahogs (*Mercenaria*) are present. Winter flounder and striped bass are reported to be in the vicinity. Dutch Island Harbor–Jamestown Brook is part of the Marsh Meadows Wildlife Preserve (managed by Audubon Society). Approximately 175 yards NW of the inlet, the Jamestown Public Water Supply Dam and pump station is located.

PRELIMINARY PROTECTION STRATEGY: The objective is to prevent oil from entering the brook by constructing a sediment dike (approximately 80 ft. long) across the small channel that connects the brook with the ocean, using sediment from the intertidal zone. Care should be taken not to disturb any birds that may be nesting on the beach nor the vegetation on top of the spit.

Collection Point	Description	Access	Proposed Equipment
	Mixed sand and gravel, some shells	From Jamestown, go north on North Main St., turn west on access road to Jamestown Public Water Supply Dam, and drive past pump station on dirt road to inlet.	Bulldozer, front-end loader

RESOURCES REQUIRED (if full strategy is implemented): Construction equipment (such as front-end loaders, bulldozers, or other similar equipment that are available). Standard beach cleaning equipment and personnel necessary for beach clean-up operations.

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

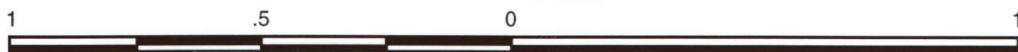
OTHER COMMENTS:

18 - DUTCH ISLAND HARBOR - JAMESTOWN BROOK

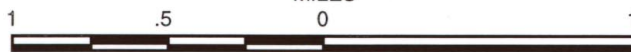


From USGS 7.5' topographic quads: Narragansett Pier published: 1957, photorevised 1970 and 1975; and Wickford, RI published: 1995; and Prudence Island, RI published: 1955, photorevised 1970 and 1975; and Newport, RI published: 1957, photorevised 1970, photoinspected 1975

SCALE 1 : 24,000



MILES



KILOMETERS



INLET SKETCH MAP

Inlet Name JAMESTOWN BROOK

Inlet Number 18


Recorder(s) MOH/LC/SM

Date/Time 24 MARCH 1999; 1200

Tide Stage FLOOD

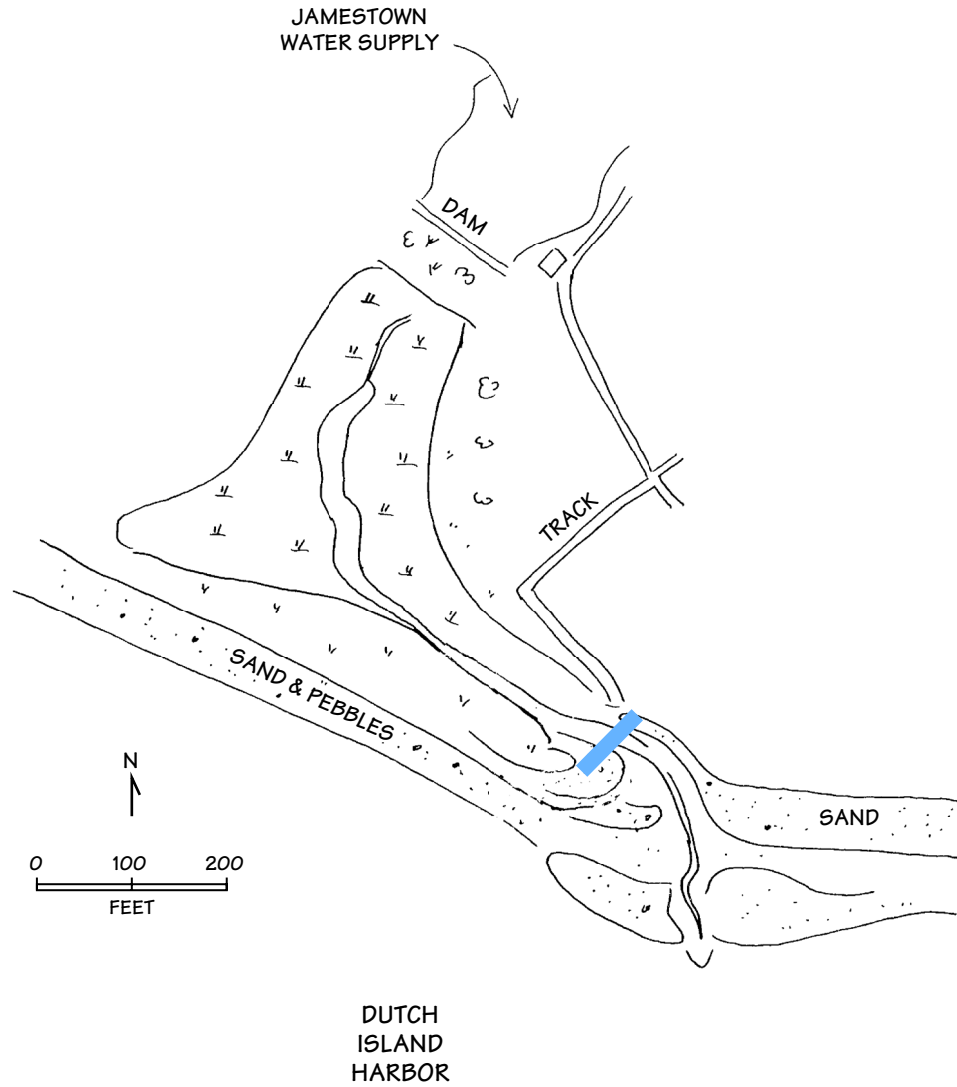
Inlet Classification D

POTENTIAL PROTECTION STRATEGY (FLOOD TIDE)

 Sediment Dike


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

18 - DUTCH ISLAND HARBOR - JAMESTOWN BROOK

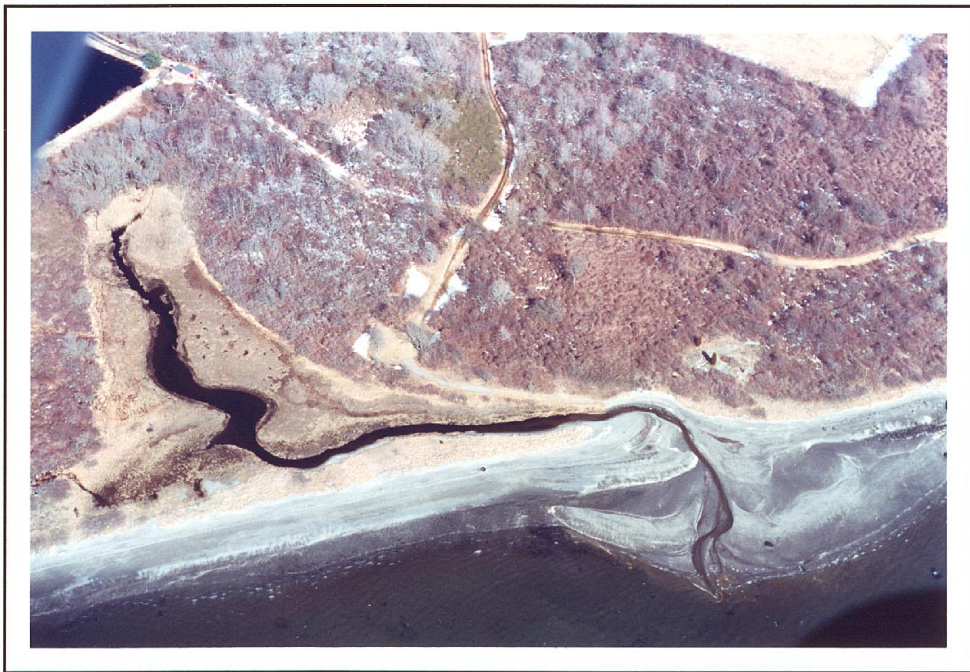


From USGS NAPP: roll #8355, frame #218; March 1995; scale -1:40,000

0 1 2 MILES



Looking NW at channel at proposed location of sediment dike at flood tide on 24 March 1999, Dutch Island Harbor–Jamestown Brook (#18).



Looking north at low tide on 17 March 1999, Dutch Island Harbor–Jamestown Brook (#18).