

INLET SUMMARY SHEET

INLET: **Mussachuck Creek (#35)**

DATE AND TIME SURVEYED AND TIDE STAGE: 20 March 1999, 11:00-11:20. High at 09:47 (+5.3), Low 15:10 (-1.0), at Nayatt Point Station #1175.

INLET CLASS: **D**

GEOMORPHOLOGY: Minor delta/headland system composed of gravel and shell berms at the mouth of a small tidal creek.

PRINCIPAL RESOURCES AT RISK: Salt marshes are associated with the creek. Numerous birds, including waterfowl (diving ducks, brants, geese, mergansers, puddle ducks), and gulls utilize the area. Alewife runs may occur in the creek. Quahogs and oysters are present in the vicinity. Echo Lake (dammed) and Brickyard Pond drain into the creek. A number of private residences and the Rhode Island Country Club and Golf Course border at least part of the creek.

PRELIMINARY PROTECTION STRATEGY: The objective is to prevent oil from entering the pond by constructing a sediment dike (approximately 60 ft. long) across the small channel that connects the creek with the ocean. Use sediment from the intertidal zone, the ebb-tidal delta, and the high gravel/shell berms to construct the dike. The dike will be oriented in a north-south direction. Care should be taken not to disturb any birds that may be nesting on the beach. Sediment from vegetated areas should not be used in constructing the dike.

Collection Point	Description	Access	Proposed Equipment
	Mixed sand, gravel, and shell (mostly limpet and mussel shells) beach with shell & gravel berms	From Nayatt Rd., continue west on Nayatt Pt. Rd. towards Nayatt Pt. Nayatt Pt. Rd. curves north and ends at a small bridge crossing Mussachuck Creek. There is a small parking area at this point. Access to the inlet is over a packed sand/grass foot path.	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:

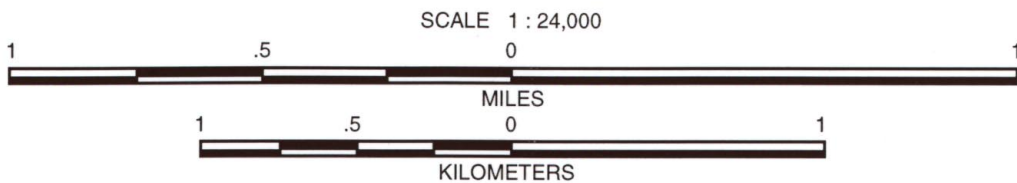
Rhode Island Dept. of Env. Mgmt. Emergency Response:	(401) 222-3070
U.S. Fish and Wildlife:	(401) 364-9124
U.S. Coast Guard:	(401) 435-2300
Coastal Resources Management Council:	(401) 783-3370
Barrington EMA Director:	(401) 247-1900

OTHER COMMENTS:

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



INLET SKETCH MAP

Inlet Name MUSSACHUCK CREEK

Inlet Number 35


Recorder(s) MOH/LC

Date/Time 20 MARCH 1999; 1120

Tide Stage HIGH

Inlet Classification D

POTENTIAL PROTECTION STRATEGY (FLOOD TIDE)








 Sediment Dike

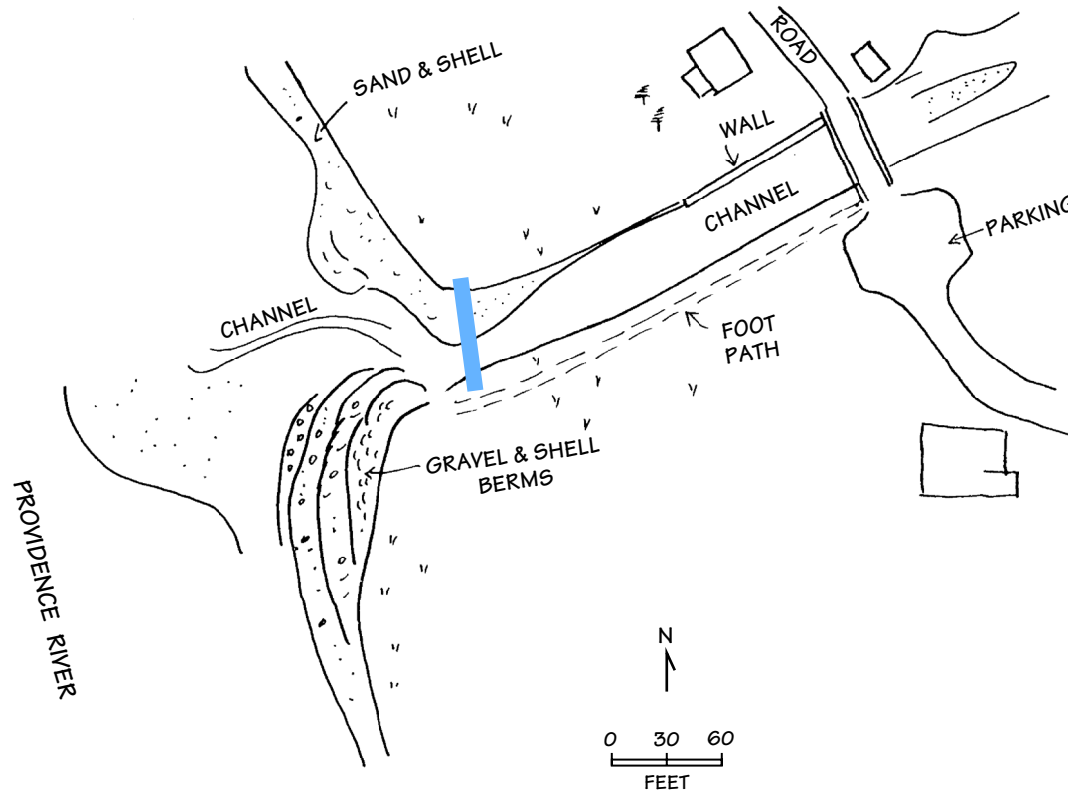
CHECKLIST

- North Arrow
- Scale
- Substrate Type

248

LEGEND

-  Red Channel Marker Buoy
-  Green Channel Marker Buoy
-  Marsh
-  Riprap
-  Sand
-  Sand & Gravel
-  Gravel



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From USGS NAPP: roll #8355, frame #232; March 1995; scale -1:40,000
249

0 1 2 MILES



Looking NEE up channel from beach at near high tide on 20 March 1999, Mussachuck Creek (#35).



Looking NE at low tide on 17 March 1999, Mussachuck Creek (#35).