

INLET SUMMARY SHEET

INLET: Nag Pond (Prudence Island) (#39)

DATE AND TIME SURVEYED AND TIDE STAGE: Did not ground survey.

INLET CLASS: C/D

GEOMORPHOLOGY: An oval-shaped, shallow coastal pond with a small channel outlet through a depositional bar system.

PRINCIPAL RESOURCES AT RISK: Salt marshes and tidal flats are associated with Nag Pond (Prudence Island). Birds, including diving birds (cormorants) wading birds, waterfowl (canada geese, black ducks), and gulls utilize the area. Winter flounder, eels, alewife, blue fish, black seabass, striped bass, may be in the area. Tautog are known to spawn in the area. Horseshoe crabs, as well as blue mussels, clams, oysters, and quahogs (*Mercenaria*) are present in the area. A small number of residences are located on the eastern side of the pond. This area is part of the Narragansett Bay Research Reserve and a national park (National Estuarine Research Reserve).

PRELIMINARY PROTECTION STRATEGY: The objective is to prevent oil from entering the pond by deploying protection boom across the mouth of the inlet, and by constructing a sediment dike (approximately 250 ft. long) across the small channel that connects the pond with the ocean, using sediment from the intertidal zone and the associated beach berms.

Care should be taken not to disturb any birds that may be nesting on the beach. Do not take sediment from vegetated areas.

From an anchor point on the western side of the inlet, deploy protection boom in NE and easterly directions to an anchor point on the eastern side of the channel.

Collection Point	Description	Access	Proposed Equipment
	Sediment dike	From Homestead, head north towards Northeast Pt. and Mount Tom Rock. Access inlet through private property.	Bulldozer, front-end loader
	Marsh, fronted by sand and gravel beach	As above.	Approx. 2,200 ft. protection boom, 22 anchor sets.

RESOURCES REQUIRED (if full strategy is implemented):

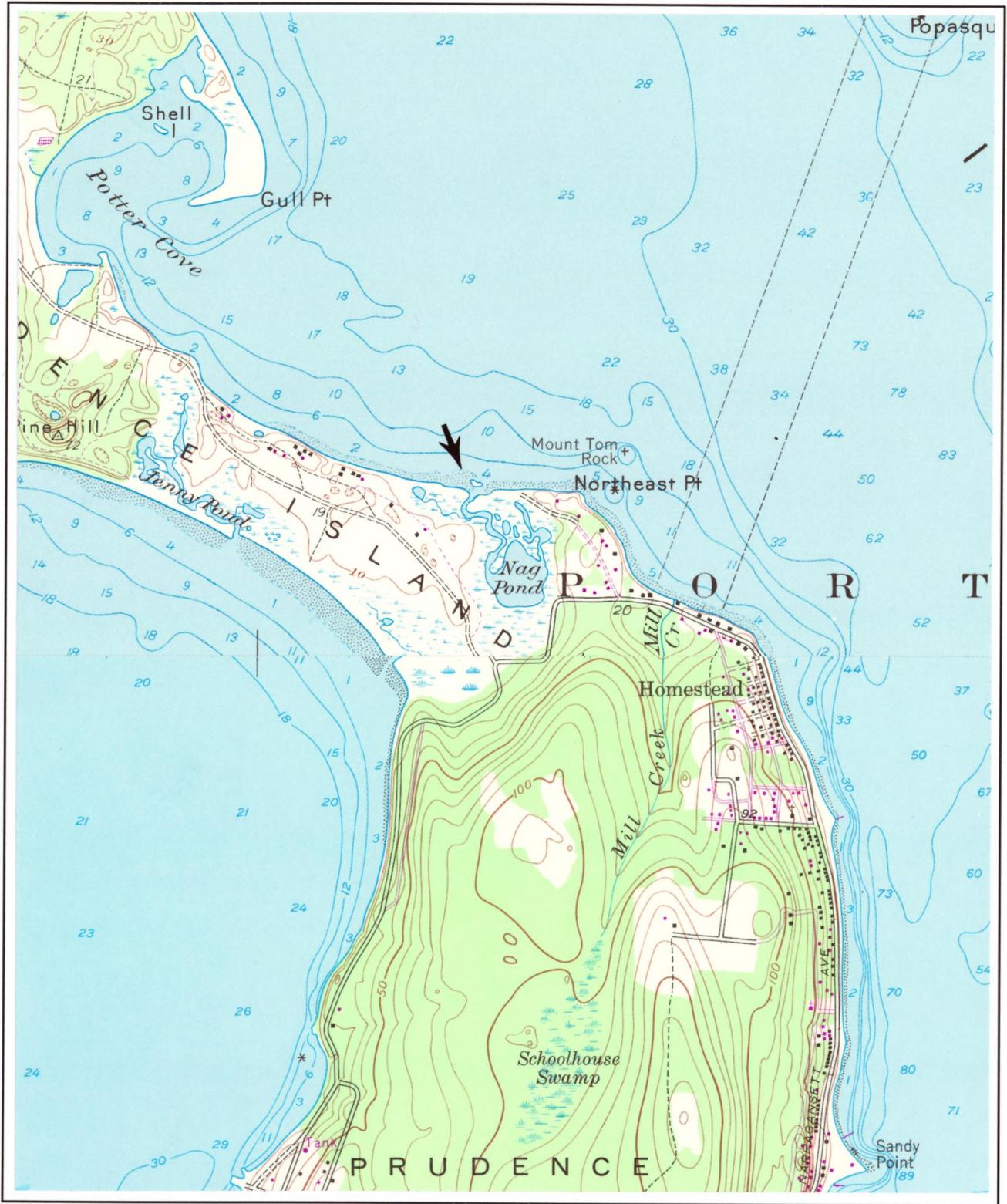
Approximately 2,200 ft. protection boom; 22 anchor sets minimum. Construction equipment (such as front-end loaders, bulldozers, or other similar equipment that are available) for construction of the sediment dike. Standard beach cleaning equipment and personnel necessary for beach clean-up operations.

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
Portsmouth EMA Director:	(401) 683-5510

OTHER COMMENTS:

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From USGS 7.5' topographic quad: Bristol, RI-Mass, published: 1955, photorevised 1970 and 1975; Prudence Island, RI published: 1955, photorevised 1970 and 1975

SCALE 1 : 24,000



MILES



KILOMETERS

271



INLET SKETCH MAP

Inlet Name NAG POND
 Inlet Number 39
 Recorder(s) MOH/LC
 Date/Time 24 MARCH 1999
 Tide Stage -
 Inlet Classification C/D

CHECKLIST

- North Arrow
- Scale
- Substrate Type

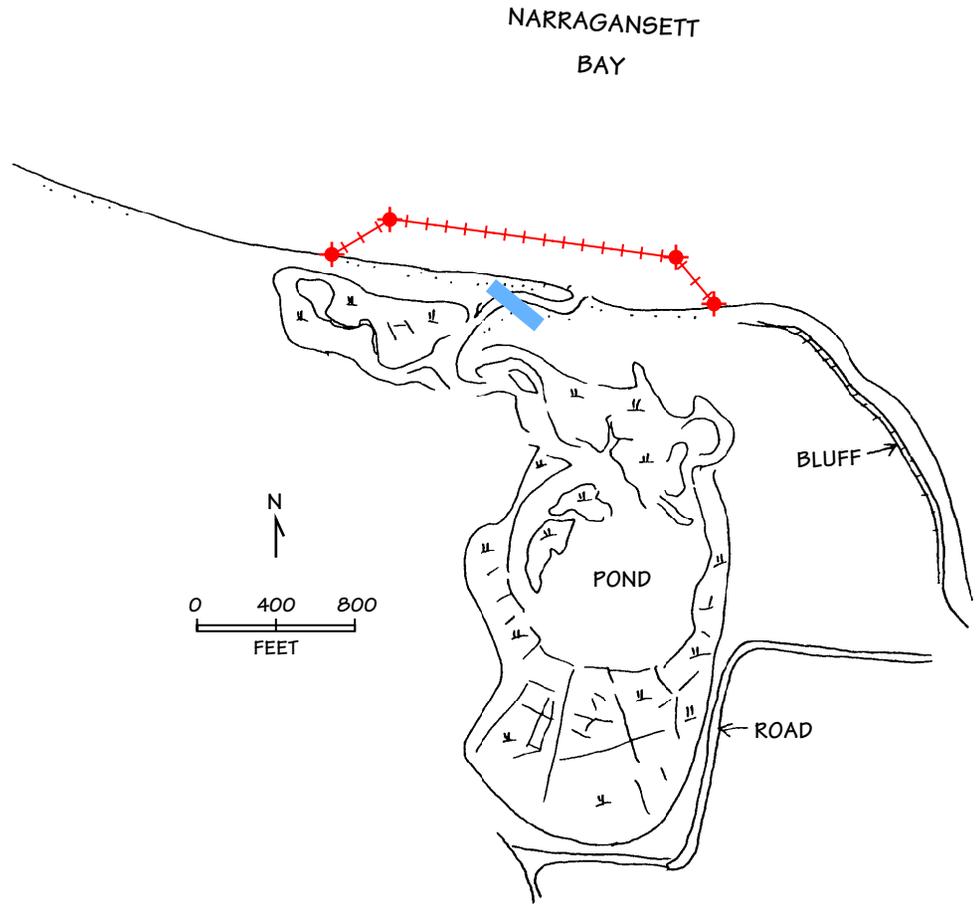
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LEGEND

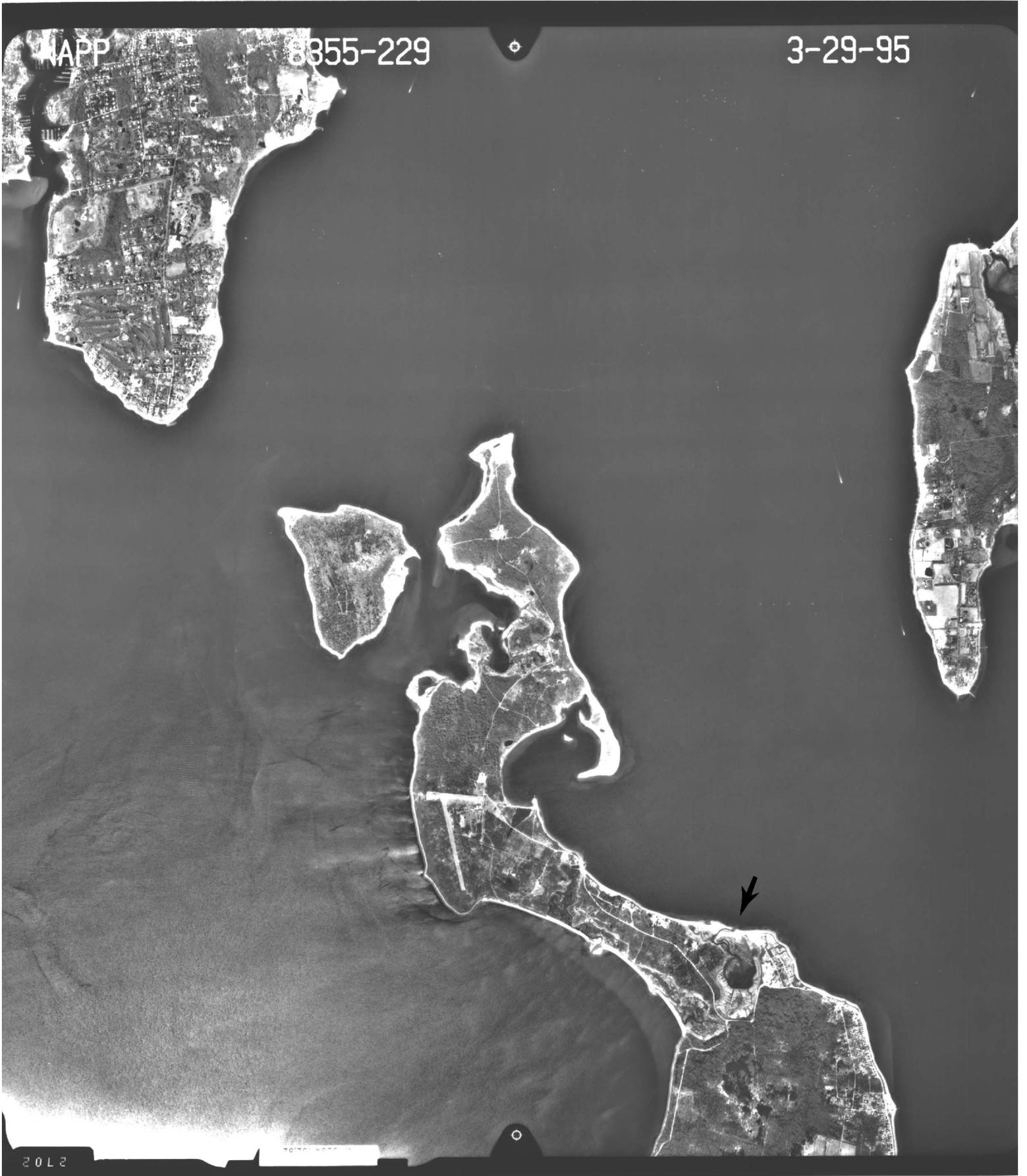
-  Red Channel Marker Buoy
-  Green Channel Marker Buoy
-  Marsh
-  Riprap
-  Sand
-  Sand & Gravel
-  Gravel

POTENTIAL PROTECTION STRATEGY (FLOOD TIDE)

-  Sediment Dike
-  Protection Boom
-  Anchor Point



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From USGS NAPP: roll #8355, frame #229; March 1995; scale -1:40,000
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0 1 2 MILES



Looking west at low tide on 17 March 1999, Nag Pond (Prudence Island) (#39).