

INLET SUMMARY SHEET

INLET: Card Ponds (#6)

DATE AND TIME SURVEYED AND TIDE STAGE: 18 March 1999, 12:55-13:20. High tide at 07:53 (+3.8), Low at 14:00 (-0.7) at Point Judith Pond, Outer Coast, Station #1193.

INLET CLASS: D

GEOMORPHOLOGY: A temporary washover channel through the barrier beach that is activated during major storms and exceptionally high tides. Artificially breached 8 to 10 times per year.

PRINCIPAL RESOURCES AT RISK: Limited marshes are associated with Card Ponds. Numerous birds, including wading birds (great blue heron), waterfowl (diving ducks, greater scaup, canada geese, puddle ducks, black ducks), diving birds (common loon), and gulls utilize the area. Black ducks are known to winter in the pond. Nesting of least terns (April to August) and piping plovers (May - August) occurs in the dunes on the beach (Browning Beach) in front of Card Ponds. Recreational crabbing and clamming is permitted in the pond. Duck hunting is also permitted. Black bass and white perch are occasionally found in the area. The beach associated with Card Ponds is a popular recreational (swimming) beach. Some private residences are located on the eastern and southern parts of the ponds.

PRELIMINARY PROTECTION STRATEGY: Since Card Ponds is effectively closed to the ocean, the objective is to prevent oil from entering the pond in the area where the washover area is and the channel runs (between the dunes). Washover may occur during certain adverse conditions (such as a high spring tide with strong onshore winds). The protection strategy would be to construct a sediment dike (approximately 450 ft. long) in the area where the channel is created by using sediment (sand) from the intertidal zone along the barrier beach. Care should be taken not to disturb any birds that may be nesting on the beach. Dune sand and vegetation should not be disturbed during this process.

| Collection Point | Description | Access | Proposed Equipment |
|------------------|-------------|--------|--------------------|
|------------------|-------------|--------|--------------------|

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|--|--------------------------------------|--|------------------------------|
| | Sand Beach, some pebbles and cobbles | From Hwy. 1, turn south on Moonstone Beach Rd. Access by driving on the beach. | Bulldozer, front-end loader. |
|--|--------------------------------------|--|------------------------------|

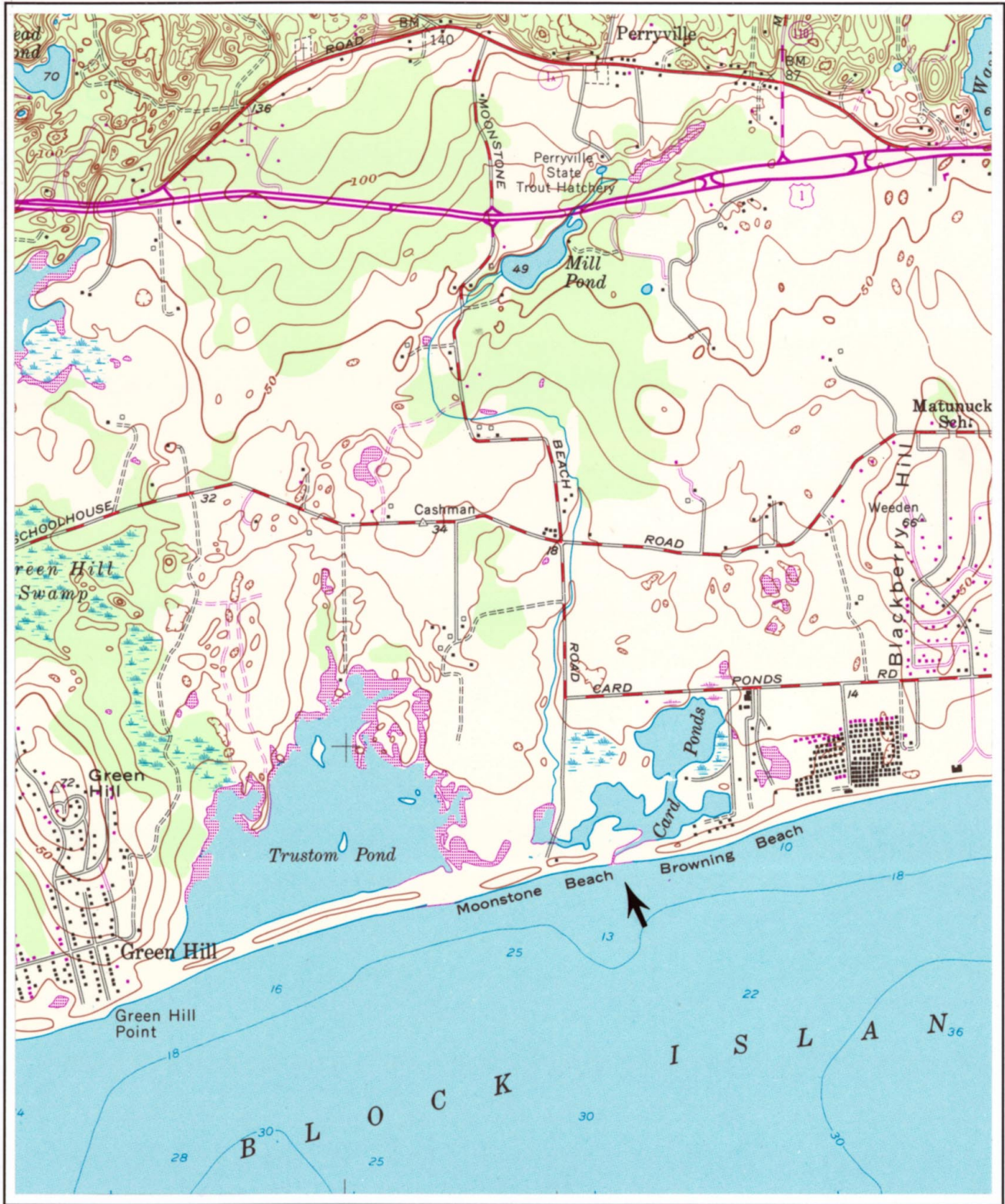
RESOURCES REQUIRED (if full strategy is implemented): Construction equipment (such as front-end loaders, bulldozers, or other similar equipment that are available). Standard beach cleaning equipment and personnel necessary for beach clean-up operations.

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 |
| South Kingstown EMA Director: | (401) 798-9331 |

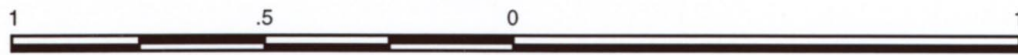
OTHER COMMENTS:

6 - CARD PONDS



From USGS 7.5' topographic quad: Kingston, Rhode Island, published: 1957, photorevised 1970 and 1975

SCALE 1 : 24,000



MILES



KILOMETERS

65



INLET SKETCH MAP

Inlet Name CARD PONDS

Inlet Number 6

Recorder(s) MOH/LC/SM/CH

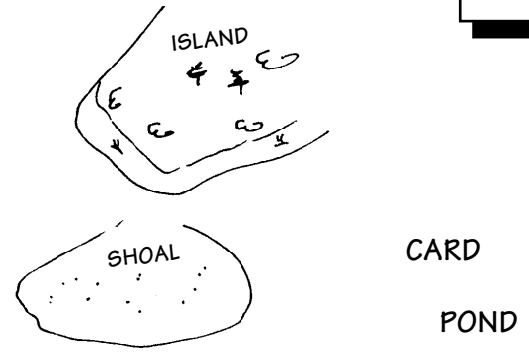
Date/Time 18 MARCH 1999; 1314

Tide Stage LOW

Inlet Classification D

POTENTIAL PROTECTION STRATEGY (FLOOD TIDE)

Sediment Dike




CHECKLIST


- North Arrow
- Scale
- Substrate Type

99

LEGEND

 Red Channel Marker Buoy

 Green Channel Marker Buoy

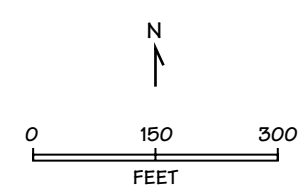
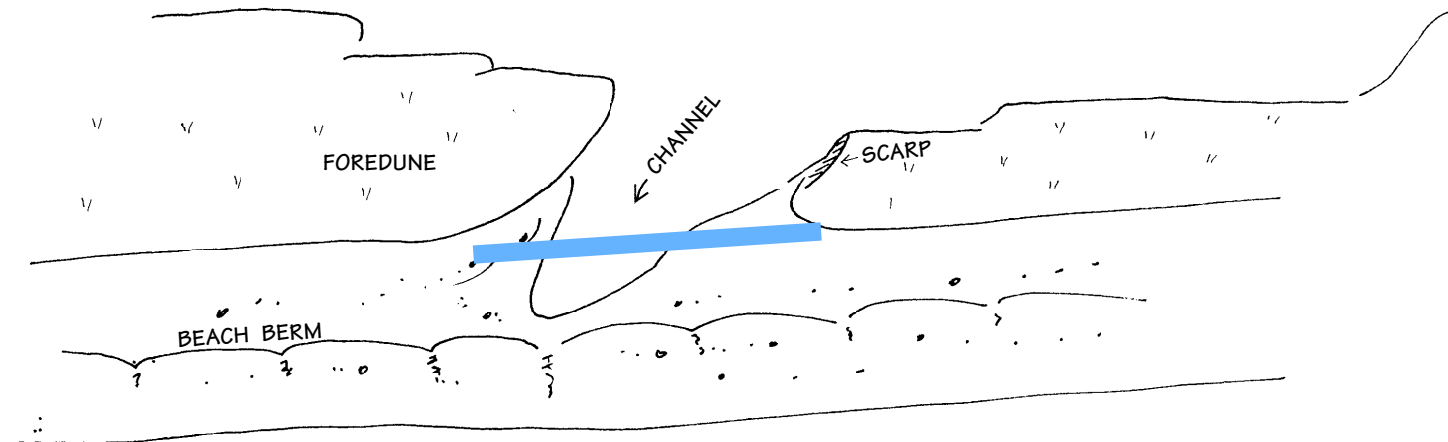
 Marsh

 Riprap

 Sand

 Sand & Gravel

 Gravel



6 - CARD PONDS



NAPP

8355-34

3-29-95

0 5 2

From USGS NAPP: roll #8355, frame #34; March 1995; scale -1:40,000

0 1 2 MILES



Looking west at low tide on 18 March 1999, Card Ponds (#6).



Looking north at low tide on 17 March 1999, Card Ponds (#6).