

## INLET SUMMARY SHEET

INLET: Sapowet Creek (#50)

DATE AND TIME SURVEYED AND TIDE STAGE: 23 March 1999, 14:50-15:20. High at 12:32 (+3.6), Low at 17:48 (-0.1), at Anthony Point, Sakonnet River Station #1147.

INLET CLASS: B/C

GEOMORPHOLOGY: "Half inlet" stabilized by roadway bridge. Ebb-dominated with large ebb-tidal delta.

PRINCIPAL RESOURCES AT RISK: Extensive salt marshes and tidal flats are associated with Sapowet Creek. Birds, including waterfowl (black ducks, mergansers, puddle ducks, buffleheads, diving ducks), wading birds, and gulls utilize the area. This is a major finfish nursery area, with numerous species present, including winter flounder, striped bass, alewife, eels, and weakfish. Horseshoe and blue crabs, as well as oysters, clams and quahogs (*Mercenaria*) are also found in the area. Sapowet Creek is part of the Sapowet Marsh Wildlife Preserve and Management Area. Recreational fishing (including striped bass) and clamming occurs in the area.

PRELIMINARY PROTECTION STRATEGY: The objective is to trap the majority of the incoming oil and prevent it from entering the eastern part of the pond that has extensive marshes. CP-1 to CP-4 are shore-based Collection Points. CP-5 is an open water skimmer, deployed as a back-up. CP-2 and CP-4 are located on the southern side, with CP-1 and CP-3 located on the northern side.

From an anchor point on the ebb-tidal delta west of the inlet, deploy deflection boom in a NEE direction to an anchor point (CP-1) on the NW side of the bridge. From an anchor point on the SE end of a large bar on the south side of the ebb-tidal delta, deploy deflection boom in a NNE direction to an anchor point (CP-2) on the SW side of the bridge.

From an anchor point on the SE side of the bridge, deploy deflection boom in a NE direction to an anchor point (CP-3) on the northern bank of the inlet on the east side of the bridge.

From CP-3, deploy protection boom in an easterly and then SE direction to an anchor point in front of the small creek, and continue from this point with protection boom in a SE direction to the SW edge of the shoal. From the anchor point in front of the small creek, deploy deflection boom in a SE direction to an anchor point (CP-4) at the small sand beach adjacent to the road. From the anchor point at the SW edge of the shoal, deploy deflection boom in a SE direction to the skimmer at CP-5. From CP-4, deploy

deflection boom in an easterly direction to the skimmer at CP-5. Deploy protection boom along the channel from the flat at SE side of the bridge to CP-4.

| <b>Collection Point</b> | <b>Description</b>           | <b>Access</b>  | <b>Proposed Equipment</b>  |
|-------------------------|------------------------------|--|--|
| CP-1                    | Riprap/sand and gravel beach | From Hwy. 77 (Main St.), turn west on Neck Rd., then north on Puncatest Rd. to bridge at Sapowet Creek.  | Approx. 250 ft. deflection boom, 3 sets of anchors.                                    |
| CP-2                    | Riprap/sand and gravel beach | Same as CP-1.  | Approx. 250 ft. deflection boom, 3 sets of anchors.                                    |
| CP-3                    | Sand and gravel beach        | Same as CP-1, then continue north on Puncatest Rd. and take the first road to the east.  | Approx. 250 ft. deflection boom, 3 sets of anchors.                                    |
| CP-4                    | Sand and gravel beach        | From Hwy. 77 (Main St.), turn west on Neck Rd., then north on Puncatest Rd. Access point is located on the east side of road before the bridge at Sapowet Creek. | Approx. 800 ft. deflection boom, 500 ft. protection boom, 8 sets of anchors.           |
| CP-5                    | Skimmer                      | Deploy from one of the access points in the vicinity of the bridge.  | Approx. 900 ft. deflection boom, 700 ft. protection boom, 16 sets of anchors, skimmer. |

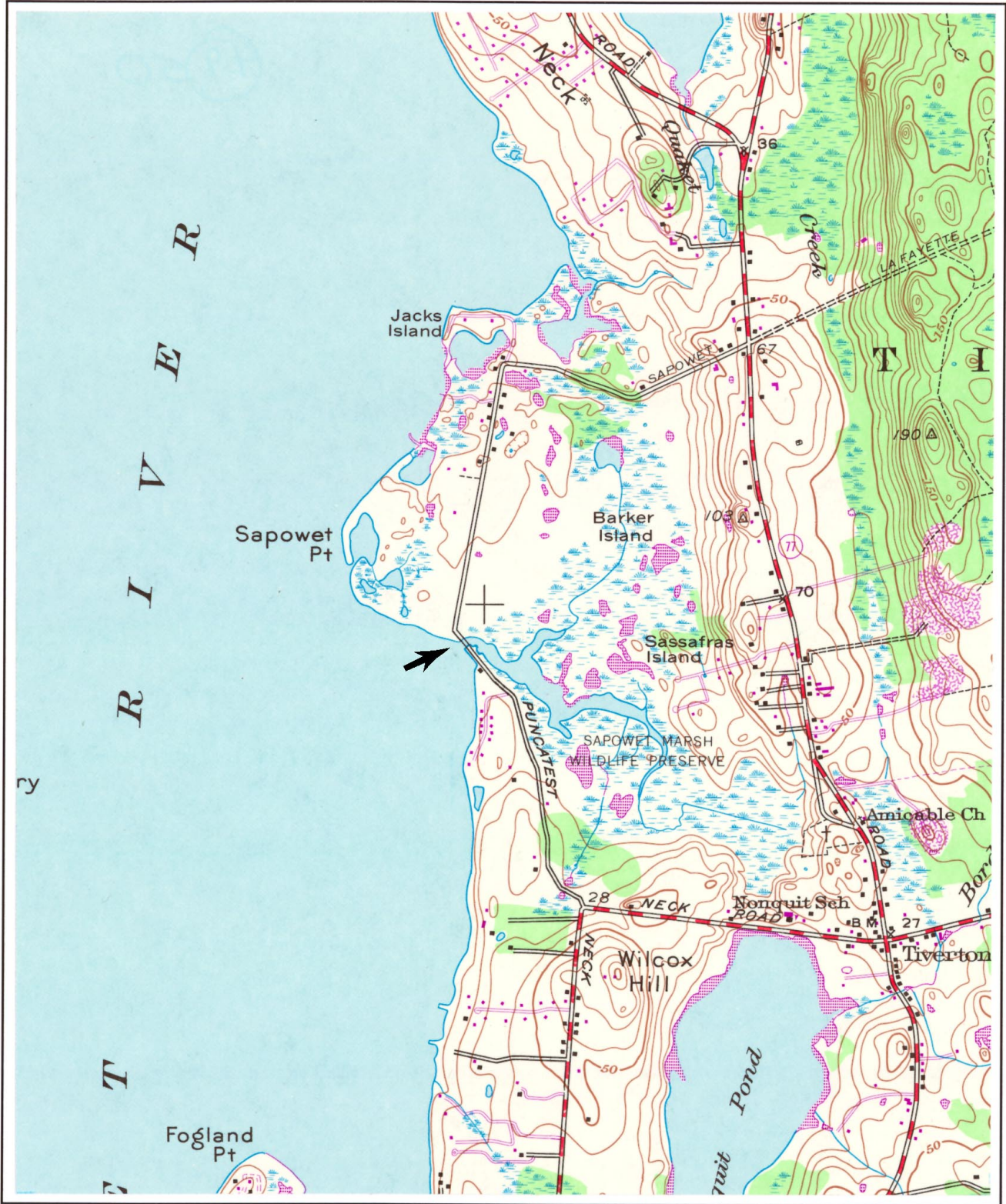
RESOURCES REQUIRED (if full strategy is implemented): Approximately 2,450 ft. of deflection boom; 1,200 ft. protection boom; 33 anchor sets minimum. One JBF 420 Skimmer System with skimming capacity of 225 bbl/hr, and onboard storage capacity of 1,320 gals. Vacuum trucks (2,000-5,000 gal. capacity) with skimmer heads, additional storage capacity, and other equipment as needed.

CONTACT INFORMATION:

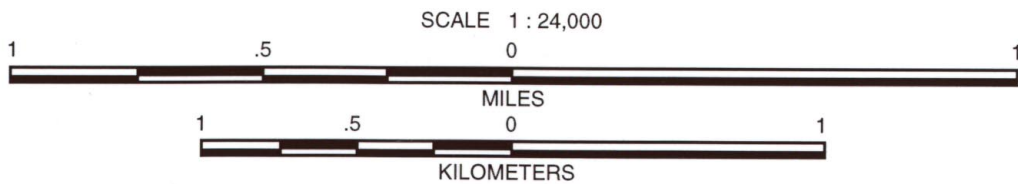
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|--|----------------|
| Rhode Island Dept. of Env. Mgmt. Emergency Response: | (401) 222-3070 |
| U.S. Fish and Wildlife:                              | (401) 364-9124 |
| U.S. Coast Guard:                                    | (401) 435-2300 |
| Coastal Resources Management Council:                | (401) 783-3370 |
| Tiverton EMA Director:                               | (401) 625-6741 |

OTHER COMMENTS:

# 50 - SAPOWET CREEK



From USGS 7.5' topographic quad: Tiverton, RI-Mass published: 1949, photorevised 1970 and 1975



# INLET SKETCH MAP

Inlet Name SAPOWET CREEK

Inlet Number 50






Recorder(s) MOH/LC/SM/TH

Date/Time 23 MARCH 1999; 1520

Tide Stage EBB

Inlet Classification B/C

**POTENTIAL PROTECTION STRATEGY (FLOOD TIDE)**








-  Deflection Boom
-  Protection Boom
-  Anchor Point
-  Collection Point
-  Skimmer

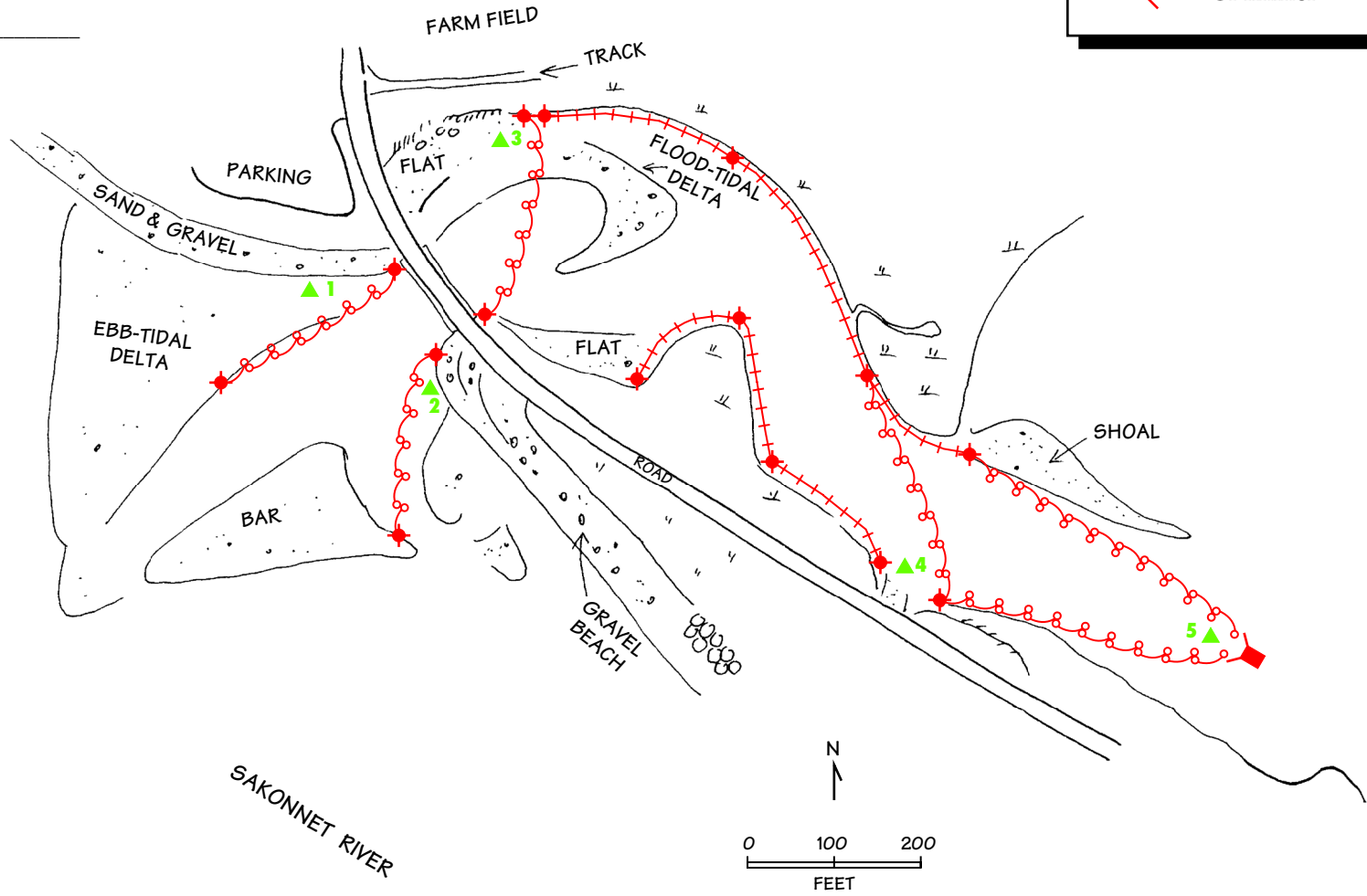
## CHECKLIST

- North Arrow
- Scale
- Substrate Type

345

## LEGEND

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



# 50 - SAPOWET CREEK



From USGS NAPP: roll #8358, frame #75; March 1995; scale -1:40,000  
346

0 1 2 MILES



Looking SW from CP-3 at low tide on 23 March 1999, Sapowet Creek (#50).



Looking NE at low tide on 17 March 1999, Sapowet Creek (#50).