

INLET SUMMARY SHEET

INLET: **Bullock Cove (#32)**

DATE AND TIME SURVEYED AND TIDE STAGE: 20 March 1999, 09:50-10:30. High at 09:47 (+5.3), Low 15:10 (-1.0), at Nayatt Point Station #1175.

INLET CLASS: C

GEOMORPHOLOGY: Natural cove area modified extensively to form harbor. Navigation channel has been dredged across wide sand flat to entrance. Jetty along west side of entrance. No tidal deltas.

PRINCIPAL RESOURCES AT RISK: Salt marshes are associated predominantly with the northern part of the cove. Numerous birds, including waterfowl (mergansers, scaups, buffleheads, widgeons, canvasbacks, mallards, geese, puddle and diving ducks), raptors (osprey), wading birds, and gulls utilize the area. Striped bass, winter flounder, alewife, large mouth bass, weakfish, menhaden, and blue fish are reported to be in the area. Horseshoe and blue crabs, as well as clams, oysters, blue mussels, and quahogs (*Mercenaria*) are present in the vicinity. The area is a rich nursery area and numerous species of juvenile fish can be found here. Bullock Cove is heavily used for recreational boating, and there are a number of marinas and boat berths throughout the cove, especially the southern side near the inlet. A considerable number of private residences and private piers are distributed around the cove.

PRELIMINARY PROTECTION STRATEGY: Objective is to trap the majority of the incoming oil before it enters at the entrance of Bullock Cove. CP-1 and CP-2 are shore-based Collection Points. CP-3 is an open water skimmer. CP-1 is located on the eastern side of the inlet. CP-2 is located on the western side of the inlet.

From near/or at the third wood stake channel marker from the mouth of the inlet and at the west side of the dredged channel, deploy deflection boom to/or near the wood stake channel marker on the east side of the dredged channel. From this point, deploy deflection boom (in a northerly direction) to an anchor point (CP-1) at the base of the riprap on the eastern side of the channel.

From near/or at the third wood stake channel marker from the mouth of the inlet and at the west side of the dredged channel, deploy deflection boom in a northerly direction to a primary anchor point adjacent to the tidal flat just inside the inlet. From this anchor point, deploy deflection boom in a westerly direction to an anchor point (CP-2) located in front of the boat ramp just inside the inlet on the western side. Deploy protection boom from an anchor point at the SE point of the wooden pier (located just inside the inlet on the western side) to the anchor point (CP-2) at the boat ramp.

From the anchor point for CP-1, deploy deflection boom in a NNW direction for approximately 350 ft. to a skimmer positioned roughly 110 yards north of the inlet. From the primary anchor point used to attach the protection boom in front of the wooden boat pier, deploy deflection boom (in a NE direction) to the same skimmer.

Collection Point	Description	Access	Proposed Equipment
CP-1	Mixed sand and gravel beach (mostly sand), riprap	From Washington Rd. in Barrington, go west towards Allen Neck to the parking lot adjacent to, and south of, the marina on east side of the inlet.	Approx. 450 ft. deflection boom, 5 sets of anchors.
CP-2	Sand beach	From Willett Ave. near Providence/Bristol County line, go west on Crescent View Ave. and then south on Bullock Point Ave. towards Bullock Neck. Boat ramp is east side of road at the end of Bullock Point Ave.	Approx. 650 ft. deflection boom, 100 ft. protection boom, 8 sets of anchors.
CP-3	Open water skimmer	Can be deployed from either side of cove.	Approx. 650 ft. deflection boom, 7 sets of anchors, skimmer.

RESOURCES REQUIRED (if full strategy is implemented): Approximately 1,750 ft. of deflection boom; 100 ft. of protection boom; 20 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:

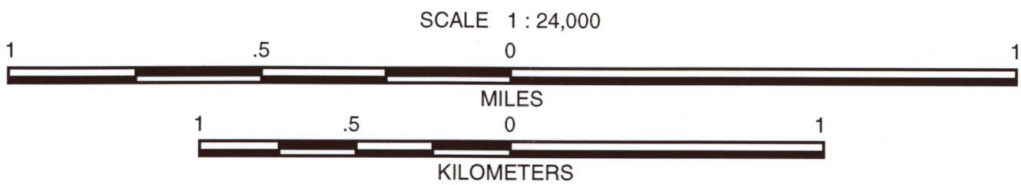
Rhode Island Dept. of Env. Mgmt. Emergency Response:	(401) 222-3070
U.S. Fish and Wildlife:	(401) 364-9124
U.S. Coast Guard:	(401) 435-2300
Coastal Resources Management Council:	(401) 783-3370
East Providence EMA Director:	(401) 435-7677
Barrington EMA Director:	(401) 247-1900

OTHER COMMENTS:

32 - BULLOCK COVE



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 BULLOCK COVE

Inlet Number 32

Recorder(s) MOH/LC

Date/Time 20 MARCH 1999; 1030

Tide Stage HIGH








Inlet Classification C

CHECKLIST







- North Arrow
- Scale
- Substrate Type

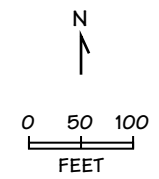
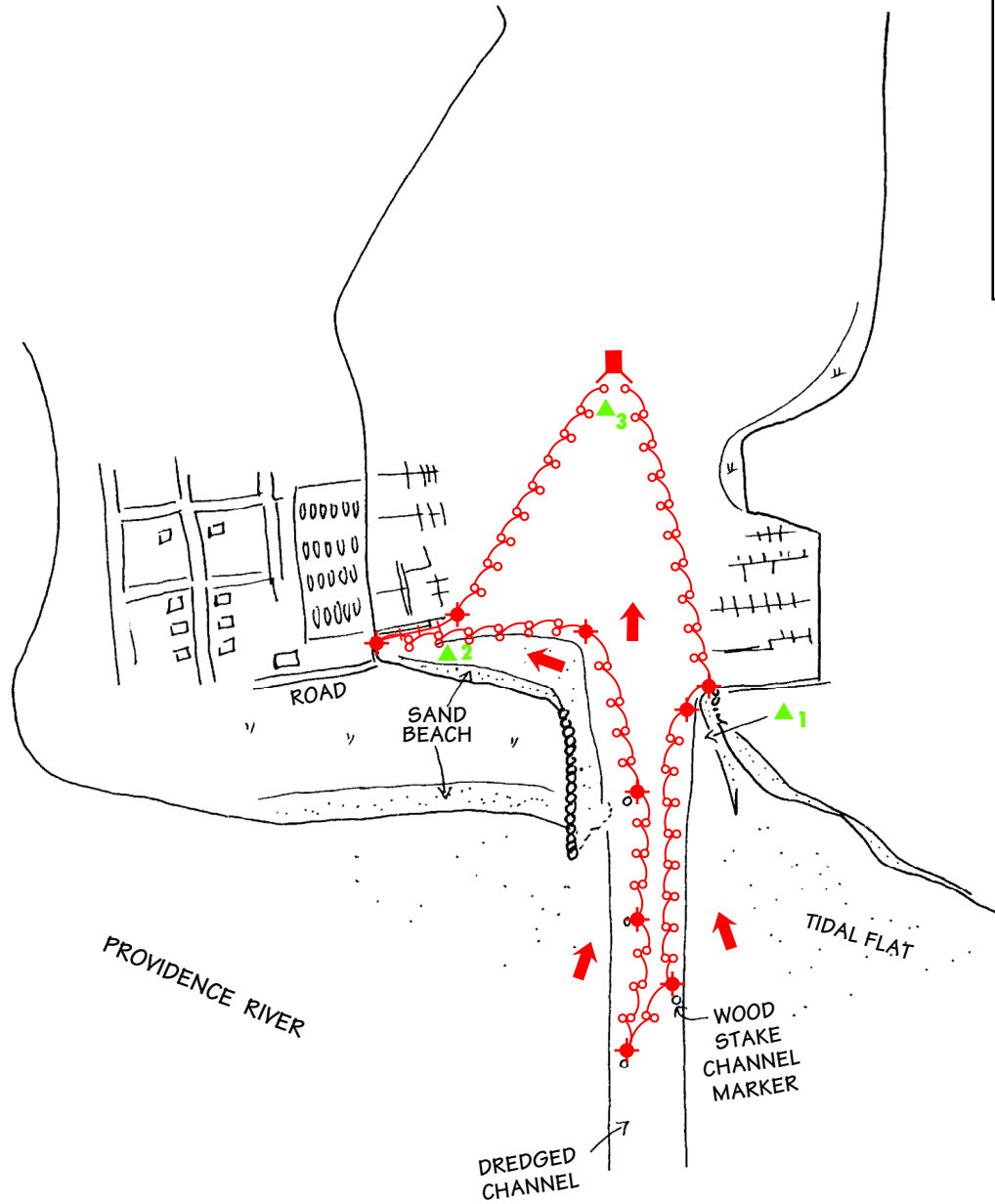
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LEGEND

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

POTENTIAL PROTECTION STRATEGY (FLOOD TIDE)

-  Deflection Boom
-  Protection Boom
-  Anchor Point
-  Collection Point
-  Path of Oil
-  Skimmer



32 - BULLOCK COVE



From USGS NAPP: roll #8355, frame #232; March 1995; scale -1:40,000
231

0 1 2 MILES



Looking east across inlet entrance toward CP-2 at high tide on 20 March 1999, Bullock Cove (#32).



Looking NNW at low tide on 17 March 1999, Bullock Cove (#32).