

## INLET SUMMARY SHEET

INLET: Wickford Harbor (#23)

DATE AND TIME SURVEYED AND TIDE STAGE: 19 March 1999, 10:20-11:20. High at 08:59 (+4.5), Low at 14:28 (-0.9), at Wickford Station #1183.

INLET CLASS: B

GEOMORPHOLOGY: Large natural cove closed off by breakwaters and modified along shoreline to create harbor area.

PRINCIPAL RESOURCES AT RISK: The southern part of Wickford Harbor has a highly modified shoreline with seawalls, port/harbor facilities, marinas and piers. The northern part has fringing marshes and numerous tidal flats. Birds, including waterfowl (black ducks, mergansers, geese, puddle ducks, diving ducks), common and least terns, and gulls utilize the area. Otters are known to be present. Winter flounder may be present and alewife (*Alosa pseudoharengus*) runs may occur in this area. Other fish present include summer flounder, striped bass, blue fish, and menhaden. Blue crabs, horseshoe crabs, clams, oysters, bay scallops, and quahogs (*Mercenaria*) are present in the area. Recreational clamming and fishing occurs in the area, especially the northern part of Wickford Harbor (Fishing Cove and Mill Creek). Hunting also occurs in parts of the area. Wickford Harbor is a very important commercial (including fishing boats) and recreational harbor with a very large number of piers, boat berths, boat landings, and marinas distributed throughout the area. A large number of private residences, and commercial buildings are distributed around Wickford Harbor.

PRELIMINARY PROTECTION STRATEGY: Objective is to trap the majority of the incoming oil before it enters Wickford Cove, which is lined with boat berths, piers, etc., or the northern part of Wickford Harbor that has extensive flats and marshes. CP-1, CP-2, CP-3, and CP-6 are shore-based Collection Points. CP-4 and CP-5 are open water skimmers. CP-1 to CP-3 are located in the southern part of Wickford Harbor, and CP-6 in the NW part.

From an anchor point at the base of the northern riprap breakwater, deploy protection boom on the western side of the riprap. Also deploy protection boom on the western side of the riprap which makes up the southern breakwater. From the anchor points either side of the entrance to the harbor, deploy deflection boom in a westerly direction to a skimmer (CP-4). This may prove to be ineffective during stormy conditions.

From an anchor point in the southern part of Wickford Harbor, approximately 120 yards NW of Poplar Pt., deploy deflection boom in a SE direction to an anchor point (CP-1) on the sandy beach. From an anchor point NW of Big Rock Pt., deploy deflection boom in a Christmas tree configuration in a SSW orientation to the west side

of the boat basin (CP-2) on Big Rock Pt., and in a NW direction to or at/near the green marker buoy located approximately 100 yards North of Big Rock Pt. From or at/near this green marker buoy, deploy deflection boom in a SW direction to the first boat basin (CP-3) on the north side of Wickford Cove. From CP-2, deploy deflection boom in a SW direction to the south side of the first boat basin (CP-3) on the north side of Wickford Cove.

From an anchor point near/or at the green marker buoy described above, deploy deflection boom in a NW direction to a skimmer (CP-5) positioned south of Three Sisters. From the northern anchor point at the base of the northern riprap breakwater, deploy deflection boom in a SWW direction to or at/near the red marker buoy. From or at/near this red marker buoy, deploy deflection boom in a NW direction to the skimmer at CP-5.

From or at/near the red marker buoy located SE of Cornelius Island, deploy deflection boom in a westerly direction to an anchor point (CP-6) at the first boat ramp on the point at the entrance of Mill Cove. From an anchor point in the channel, near the SE tip of Cornelius Island, deploy deflection boom in a SW direction to CP-6.

<b>Collection Point</b>	<b>Description</b>	<b>Access</b>	<b>Proposed Equipment</b>
CP-1	Sand beach	From Hwy. 1A (Boston Neck Rd.) south of Wickford, turn east on Prospect Ave. Follow road towards Big Rock Pt., access point is SE of Big Rock Pt.	Approx. 400 ft. deflection boom, 4 sets of anchors.
CP-2	Seawall/boat basin	Same as CP-1, then follow road to Big Rock Pt.	Approx. 400 ft. deflection boom, 4 sets of anchors.
CP-3	Seawall/boat basin	Follow Hwy. 1A (Boston Neck Rd.) to Wickford. At the "Tee" junction in Wickford, turn east and follow road to access point.	Approx. 1,050 ft. deflection boom, 11 sets of anchors.

<b>Collection Point</b>	<b>Description</b>	<b>Access</b>	<b>Proposed Equipment</b>
CP-4	Skimmer	Several access points and boat ramps within Wickford Harbor to deploy skimmer from.	Approx. 1,100 ft. deflection boom, 1,500 ft. protection boom, 26 sets of anchors, skimmer.
CP-5	Skimmer	Same as CP-4.	Approx. 3,150 ft. deflection boom, 32 sets of anchors, skimmer.
CP-6	Boat ramp	Same as CP-3, then turn north to boat ramp.	Approx. 800 ft. deflection boom, 8 sets of anchors.

RESOURCES REQUIRED (if full strategy is implemented): Approximately 6,900 ft. of deflection boom; 1,500 ft. protection boom; 85 anchor sets minimum. Two JBF 420 Skimmer Systems 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
North Kingstown EMA Director:	(401) 294-3311

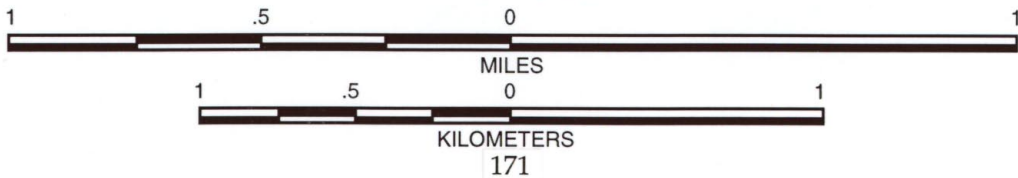
OTHER COMMENTS:

# 23 - WICKFORD HARBOR



From USGS 7.5' topographic quad: Wickford, RI, published: 1995

SCALE 1 : 24,000



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# INLET SKETCH MAP








Inlet Name WICKFORD HARBOR  
 Inlet Number 23  
 Recorder(s) MOH/LC/KD  
 Date/Time 19 MARCH 1999; 1115  
 Tide Stage EBB  
 Inlet Classification B

## CHECKLIST


- North Arrow
- Scale
- Substrate Type

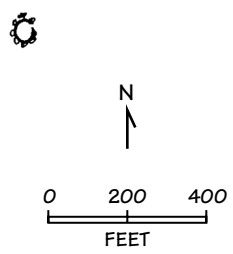
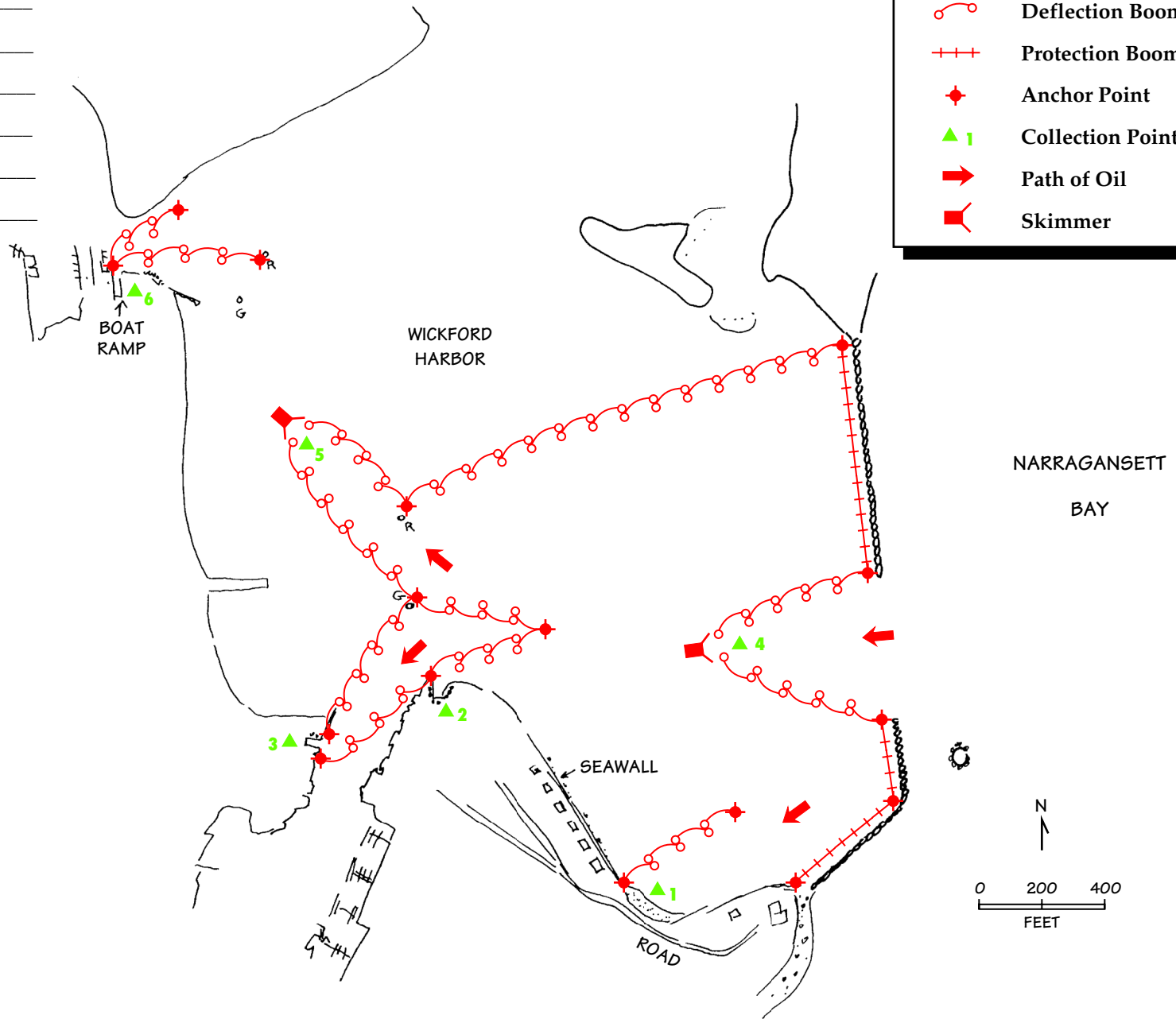
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## LEGEND

-  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



# 23 - WICKFORD HARBOR



From USGS NAPP: roll #8355, frame #216; March 1995; scale -1:40,000  
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0 1 2 MILES



Looking NWW during ebb-tide at CP-1 on 19 March 1999, Wickford Harbor (#23).



Looking west at low tide on 17 March 1999, Wickford Harbor (#23).