

SUMMARY SHEET

LOCATION: **Ram Island (#14A)**

DATE, TIME, AND TIDE STAGE AT TIME SURVEYED: Not surveyed in the field. Strategy based on interpretation of color vertical aerial photograph taken in 2001.

CLASS: B/C - Because, although this strategy is relatively simple, large waves may completely disrupt it.

GEOMORPHOLOGY: Isolated island off Mattapoisett Neck that is exposed to waves of the open waters of Buzzards Bay.

PRINCIPAL RESOURCES AT RISK: Tidal flats and a large eelgrass bed surround Ram Island, a State Wildlife Sanctuary and Massachusetts Audubon Important Bird Area. Large numbers of common terns and roseate terns (state/federally endangered) are present and nest on the island between May and September. Large rafts of foraging roseate terns occur south and east of Ram Island during the nesting season. Fish and invertebrate species of commercial and recreational interest are present in Buzzards Bay, including: bluefish, scup, striped bass, flounder, lobster, and blue crab. Moderate concentrations of bay scallops, and moderate to high concentrations of northern quahogs occur in nearshore waters. A shellfish lease area occurs within a half mile of the island.

PRELIMINARY PROTECTION STRATEGY: Surround the entire island with protection boom. Erect a Christmas tree configuration of deflection boom off the southeastern end of the island in order to deflect away from the island any oil coming from that direction. There are no collection points in this strategy. Presumably, open water skimmers would be used to collect oil from the water surface where possible. If oil is approaching the island from a direction other than southeast, the lines of deflection boom could be positioned elsewhere to deflect that oil away from the island.

RESOURCES REQUIRED (if full strategy is implemented): Approximately 1,560 ft. of deflection boom; 3,700 ft. of protection boom; 53 anchor sets minimum.

STRATEGY IMPLEMENTATION TABLE:

Strategy	Description	Primary or Back-up	Local or Unified Response
1	Deflection boom on windward side of island.	Primary Strategy.	Will require resources provided by Unified Command due to amount of boom.
2	Protection boom around islands.	Primary Strategy; set if additional protection is required.	Will require resources provided by Unified Command due to amount of boom.

CONTACT INFORMATION:

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