



North Shore Geographic Response Plan

Good Harbor Beach NS-16



Map Legend			
BB Beach Berm	DF Deflection Booming	MD Mosquito Ditch	Protected-water Boom (Flood Tide)
CB Culvert Block	EX Exclusion Booming	U.S. Coast Guard Station	Protected-water Boom (Ebb Tide)
DV Diversion Booming	Shoreside Recovery	Boat Ramp	Beach Berm Material
PR Passive Recovery	FO Free-oil Recovery	Snare or Sorbent Boom	




A total of 1 State Response Trailer is required to implement all of the tactics in this GRP. Responders should always consider on-scene conditions before deploying GRP tactics. Tactics may not be safe or effective under certain conditions. Responder safety should always be the first priority.





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ID	Location and Description	Response Strategy	Implementation
NS-16-01 	Good Harbor Creek Lat. 42°37'05"N Lon. 70°38'08"W	Diversion Set boom at an angle to divert incoming oil to the shoreside recovery location.	Boom can be deployed by skiff and from shore. Set 200 ft of 18" boom at location shown in diagram. Use anchor stakes on shore and one anchor set mid stream. Set up shoreside recovery system to capture incoming oil. Tend throughout the tide. After periods of heavy rainfall or drainage, Good Harbor Creek may have a predominantly downstream flow. In such cases, booming may not be necessary unless wind or other factors have the potential to move oil upriver.
NS-16-02 	Various Locations	Passive Recovery Implement with NS-16-01, Place passive recovery along front of marshes to prevent oil from entering sensitive areas.	Place snare or sorbent boom along marsh front to minimize damage and facilitate recovery. Replace as necessary to maximize recovery. If oil threatens to enter mosquito ditches, use available materials to close off the ditch channel to prevent oil from migrating further into the area. Line with sorbent or snare boom to absorb any oil that migrates into the mosquito ditch. Replace as necessary to maximize the recovery.
NS-16-03 	Good Harbor Beach	Free-oil Recovery Maximize free-oil recovery in the offshore & nearshore environment of Good Harbor Beach depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of the Harbor. Use aerial surveillance to locate incoming slicks.





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ID	Response Resources	Staging Area Site Access	Resources Protected	Special Considerations
NS-16-01 	Deployment Equipment 200 ft. 18" boom 1 anchor system 2 anchor stakes 1 shoreside recovery system Vessels 1 skiff Personnel/Shift 4 total (1 vessel operator + 1 responder per vessel, 2 shoreside responders) Tending Vessels 1 skiff Personnel/Shift 3 total (1 vessel operator + 1 responder per vessel, 1 shoreside responders)	Staging Area: Gloucester Fire Station, 8 School St; RT 128, to Washington St, to Pine St, to School St. Site Access: From Rt 127A to Nautilus Rd. or from Rt 127A to Good Harbor Beach Parking lot. Chart 13279-01	Birds - Seabirds Invertebrates - Shellfish, Urchins Habitat – Beach, Marsh, Rocky Shore, Tidal Flats	Tidal range 7 – 10 ft Current less than 2 kts. Vessel master should have local knowledge. Entire site surveyed: 06/26/09. Tested: not yet.
NS-16-02 	Deployment Equipment 1200 ft of snare or sorbent boom 12 anchor stakes Personnel/Shift 4 shoreside responders	Site Access: Same as NS-16-01.	Same as NS-16-01.	Use snare boom for persistent oils and sorbent boom for non-persistent oils.
NS-16-03 	Deploy multiple free-oil recovery strike teams as required to maximize interception of oil before it impacts sensitive areas.	Site Access: Vessel Platform Via marine waters. Chart 13279-1	Same as NS-16-01.	Vessel master should have local knowledge.





Site Photographs and Contact Information



Good Harbor Beach Inlet at low tide on 26 June 2009.
View looks northwest.



Good Harbor Beach Inlet at low tide on 26 June 2009.
View looks north.



Good Harbor Beach. MassDEP, 09 April 2008.

Contact Information:

Gloucester Fire Department: 978-281-9760
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Mass Division of Marine Fisheries: 617-626-1520
Environmental Police: 800-632-8075

