



South Shore Geographic Response Plan

Duxbury SS-09





Map Legend		
BB Beach Berm	DF Deflection Booming	TG Tide Gate
CB Culvert Block	EX Exclusion Booming	Boat Ramp
DV Diversion Booming	SR Shoreside Recovery	Beach Berm Material
PR Passive Recovery	FO Free-oil Recovery	GRP Trailer Locations
		Protected-water Boom (Flood Tide)
		Snare or Sorbent Boom

A total of 3 State Response Trailers are 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. The strategies contained within this plan have been designed to mitigate a potential off-shore or off-site release that could impact the subject plan area. When responding to other types of spills these tactics will likely require significant modification.





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ID	Location and Description	Response Strategy	Implementation
<p>SS-09-01</p> <p></p>	<p>Powder Point Bridge Lat. 42 2'48.70"N Lon. 70 38'49.43"W</p>	<p>Divert and Collect Divert incoming oil to the shoreside recovery location on Powder Point.</p>	<p>Deploy 2000ft of boom (two segments of 1000ft) from the shore on each side of the Powder Point Bridge. Shoreside recovery should be set up by the boat ramp on Powder Point.</p> <p>Place sorbent material along the Southern side of the bridge.</p> <p>Deploy anchors every 200ft and tend throughout the tidal cycle.</p>
<p>SS-09-02</p> <p></p>	<p>Docks at Duxbury Bay Maritime School Lat. 42 2'19.08"N Lon. 70 40'10.00"W</p>	<p>Exclusion Booming Prevent oil from reaching the docks where aquaculture upwellers are kept from May-September. These aquacultures contain seed oysters.</p>	<p>This tactic should only be deployed when the aquaculture upwellers are in use under the docks (May-Sept).</p> <p>Deploy 350ft of boom around the dock to prevent oil from reaching the aquaculture upwellers.</p> <p>Deploy anchors at each corner of the boom and tend throughout tide.</p>





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ID	Response Resources	Staging Area Site Access	Resources Protected	Special Considerations
<p>SS-09-01</p> 	<p>Deployment Equipment 2000 ft 18” boom 10 anchor systems 2 anchor stakes 1 shoreside recovery system 2500 ft of sorbent material Vessels 2 skiffs Personnel/Shift 6-8 total (1 vessel operator + 1 responder per vessel, 4 shoreside responders) Tending Vessels 1 skiff Personnel/Shift 3-4 total (1 vessel operator + 1 responder per vessel, 2 shoreside responders)</p>	<p>For the ramp on Powder Point: From Harrison St, turn left on Washington St and then right on Powder Point Ave and a right on King Ceasar Rd. For the ramp at Duxbury Yacht Club: From Rt 3A, turn on to Harrison St and follow to the end of Mattakeset Ct. There is another boat ramp at the Bayside Marine Corp off of Washington Street. NOAA Chart 13253</p>	<p>Marine Mammals – Harbor Seal Fish – Anadromous Fish, Finfish Invertebrates – Lobster, crab, shrimp, shellfish Birds – Shorebirds, Seabirds, Nesting Areas Threatened Species – Least Tern, Piping Plover Human Use – Aquaculture, Beach, Boat Ramp, Commercial Fishing, Marina, Recreational Fishing Habitat - Beach, Marsh, Tidal Flats</p>	<p>Vessel master should have local knowledge. Consider the time of year and relative presence of recreational boats when preparing to implement these strategies. Consult with the local harbormaster to develop a plan to address the presence of recreational boaters. Consider encouraging the immediate removal of recreational boats from target areas in the event of a spill if time allows. There is fuel located at Duxbury Yacht Club. Tested: not yet</p>
<p>SS-09-02</p> 	<p>Deployment Equipment 350 ft 18” boom 3 anchor systems 4 anchor stakes Vessels 2 skiffs Personnel/Shift 6-8 total (1 vessel operator + 1 responder per vessel, 4 shoreside responders) Tending <i>Same as SS-09-01</i></p>	<p>Same as SS-09-01</p>	<p>Same as SS-09-01</p>	<p>There are numerous aquaculture plots in the area. In the event of a spill, it may be possible to boom around a few of the plots. There are aquaculture upwellers located under the docks at the Duxbury Yacht Club from May – September. Boom may be deployed around the docks in the event of a spill. In the event of a spill that might affect the aquaculture upwellers in this area during the months of May – September, contact Island Creek Oysters.</p>





Site Photographs and Contact Information



Boat Ramp at Bayside Marine Corp.



Boat Ramp at the end of Mattakeeset Ct. (by Duxbury Yacht Club)



Looking West towards the boat ramps off Washington Street.
(EX-02)



View looking northeast towards the boat ramp on Powder Point and
the shoreside collection area for DV-01

Contacts:

Duxbury Bay Maritime School: 781-934-7555
Duxbury Conservation Commission: 781-934-1100
Duxbury Fire Dept: 781-934-5693
Duxbury Harbormaster & Shellfish Constable: 781-934-2866
Island Creek Oysters (for aquaculture): 781-934-2028
Mass. Dept of Environmental Protection (24 Hours): 888-304-1133
U.S. Coast Guard (24 Hours): 617-223-5750

Mutual Aid is available from other communities within the Buzzard's Bay GRP region that have state response trailers. More information can be found on the following MassDEP web site: <http://www.mass.gov/eea/agencies/massdep/cleanup/marine/#5>

Additional information regarding State Response Trailers, including locations and inventories can be found here: <http://www.mass.gov/eea/agencies/massdep/cleanup/marine/oil-spill-training-and-equipment-resources.html>

