



Boston Harbor Geographic Response Plan

Thompson Island BH-16





Map Legend			
BB Beach Berm	DF Deflection Booming	TG Tide Gate	Protected-water Boom (Flood Tide)
CB Culvert Block	EX Exclusion Booming	L Lock	Protected-water Boom (Ebb Tide)
DV Diversion Booming	SR Shoreside Recovery	Boat Ramp	Snare or Sorbent Boom
PR Passive Recovery	FO Free-oil Recovery	Beach Berm Material	Booming Strategy Developed by Other Agency
		● Outfall	

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. 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
BH-16-01 	Southern shore Lat. 42°18'34.94"N Lon. 71° 0'45.85"W	Exclusion Booming Prevent oil from entering the interior marsh on the Southern shore of Thompson Island.	Deploy 700ft of boom in a closed chevron array. The boom must be placed far enough from the entrance of the marsh to be able to withstand the current. The entrance may shift periodically; therefore tactics may need to be adjusted. Deploy anchors every 200ft and tend throughout tidal cycle.
BH-16-02 	a.) Western shore Lat. 42°18'44.18"N Lon. 71° 1'0.47"W b.) Eastern shore Lat. 42°18'50.47"N Lon. 71° 0'27.22"W	Beach Berm Prevent oil from entering the interior marshes on Thompson Island.	Permits for earth-moving to construct beach berms are required from state and federal agencies (MADEP, Army Corp) and concurrence from Natural Resource Trustee Agencies may also be required. Beach berms should not be constructed without explicit direction from the Unified Command. For each site, build a beach berm approximately 300 ft long. Use local beach and inter-tidal bar sediments. Do not destroy any part of foredune. If the dike is expected to remain in place for more than a few days, place one or more 20' x 12" pipe in the channel and build the dike on top of the pipe. Use culvert plugs to control water flow through the pipe.





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ID	Response Resources	Staging Area Site Access	Resources Protected	Special Considerations
BH-16-01 	Deployment Equipment 700 ft 18" boom 3 anchor systems 2 anchor stakes 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)	There is possible site access at the dock on the Western shore of Thompson Island. NOAA Chart 13270	Marine Mammals –Harbor Porpoise, Harbor Seals Fish – Anadromous, Finfish Birds – Shorebirds, Seabirds, Nesting Sites Invertebrates – Lobster, crab, shrimp, shellfish Threatened Species – Rare Plants Human Use – Access, Beach, Boat Ramp, Ferry, Marina, Mooring Field, Recreational Fishing Habitat - Beach, Marsh/Swamp, Rocky, Riprap, Tidal Flats	Vessel master should have local knowledge. Tested: not yet 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.
BH-16-02 	Deployment Equipment (per site) Local beach material 1 tractor with front end loader 2 pipe (20' x 12") 2 culvert plugs 24 sand bags 2 spade shovels 1 air pump Personnel/Shift 3-4 shoreside responders	Same as BH-16-01	Same as BH-16-01	Coordinate with DCR Monitor for incoming oil.





Site Photographs and Contact Information



Possible site access at the dock on the Northwestern side of the island.



Entrance to marsh on the Western side of the island. (BB02b)



Entrance to marsh at EX01.



Entrance to marsh on the Eastern side of the island. (BB02a)

Contact Information

Army Corps of Engineers: 978-318-8111
Dept of Conservation & Recreation Rangers (24 Hours): 617-722-1188
Mass. Dept of Environmental Protection (24 Hours): 888-304-1133
Outward Bound – Thompson Island: 617-328-3900
U.S. Coast Guard (24 Hours): 617-223-5757
US-DOI-National Parks Boston Harbor Islands Superintendent: 617-480-4845

