



Boston Harbor Geographic Response Plan

Weir River BH-13



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 4 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
BH-13-01 	a.) Sunset Point Lat. 42°16'28.95"N Lon. 70°53'1.90"W b.) Between Planters Hill and Hampton Hill Lat. 42°16'8.66"N Lon. 70°52'8.13"W Alternate: Lat. 42°16'27.62"N Lon. 70°52'34.74"W	Divert and Collect Divert incoming oil to shoreside locations for recovery.	a.) Deploy 1500ft of boom as a single leg or in a cascaded formation (3x500ft) from Sunset Point to Worlds End. The current runs very high through this area. If conditions are not possible for deployment, attempt to deploy DV-01alt. b.) Deploy 1500ft of boom in a closed chevron array from the western shore of Hampton Hill to the eastern shore of Planters Hill. It is possible to set up a collection point on the western shore along Hampton Circle. Alternate strategy: Deploy 1900ft of boom in a closed chevron formation from the shore between 5th and 6th Streets to the shore on Worlds End. Set anchors every 200ft and tend throughout the tidal cycle.
BH-13-02  	Planters Hill Lat. 42°15'44.66"N Lon. 70°52'3.98" Tide located further up river near Straits Pond Lat. 42°15'37.22"N Lon. 70°50'40.92"W	Exclusion Booming Exclude oil from entering the Weir River and the sensitive marshes upstream. Tide Gate Prevent oil from entering the tide gate.	Deploy 300ft of boom in a single leg from the shore on Planters Hill to the beach near N Truro Street. This would prevent oil from moving further upstream. Set anchors every 200ft and tend throughout the tidal cycle.
BH-13-03 	Along George Washington Blvd Lat. 42°15'59.47"N Lon. 70°51'21.27"W	Culvert Blocking Exclude the flow of water through the culverts located under George Washington Blvd.	There are 2 culverts at this location. At low tide, place an inflatable culvert plug in the culvert. Note that although it is preferable to block the culvert on the ebb tide, it is most important to implement as early as possible. If the inflatable plug is not available, place plywood or similar sheeting material across the entrance of the culvert. Use plastic sheeting to ensure the seal. Stack adequate sandbags against the plywood sheeting to counter the out flow pressure from the intertidal area. Monitor the block to ensure blocking integrity.
BH-13-04 	Worlds End Lat. 42°16'15.05"N Lon. 70°52'38.80"W	Passive Recovery Attempt to recover oil along the Eastern shore of Worlds End	Deploy snare or sorbent boom along the Eastern Shore of Worlds End. Replace as necessary to maximize the recovery.
BH-13-05 	Offshore of Hingham Harbor	Free-Oil Recovery Maximize free-oil recovery in the offshore & nearshore environment of Hingham Harbor depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of the area. Use aerial surveillance to locate incoming slicks. Ensure that responders have experience with on-water free-oil recovery.





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ID	Response Resources	Staging Area Site Access	Resources Protected	Special Considerations
BH-13-01 	Deployment Equipment 3000 ft 18" boom (<i>not including alternate strategy</i>) 17 anchor systems 4 anchor stakes 2 shoreside recovery systems 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)	Hampton Hill Boat Ramps: From Nantasket Ave take a left on Bay Street, then a left on Moreland Ave to Hampton Circle. 8 th Street Boat Ramp: From Nantasket Ave take a left on Edgewater Drive. 8 th Street intersects Edgewater Drive. NOAA Chart 13270	Marine Mammals – Harbor Porpoise, Harbor Seals Fish – Anadromous, Finfish Birds – Seabirds, Shorebirds, Nesting Sites Invertebrates – Lobster, crab, shrimp, shellfish Human Use – Access, Beach, Boat Ramp, Marina, Recreational Fishing Habitat - Beach, Marsh/Swamp, Rocky, Riprap, Tidal Flats	Vessel master should have local knowledge. This area has been identified as an Area of Critical Environmental Concern. Tested: Not Tested 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-13-02  	Deployment Equipment 300 ft 18" boom 2 anchor systems 2 anchor stakes Vessels & Personnel/Shift Same as BH-13-01 Tending Vessels Same as BH-13-01	Same as BH-13-01 The tide gate is located near Nantasket Avenue & Rockland Street.	Same as BH-13-01	Same as BH-13-01 Contact the DPW to close the tide gate.
BH-13-03 	Deployment Transport 1 Truck Equipment 2 Inflatable Culvert Blockers OR 2 sheets of plywood 100-200 sandbags 2 Polyethylene Sheeting Vessels/Personnel/Shift & Tending Same as BH-13-01	Same as BH-13-01	Same as BH-13-01	Responders implementing this strategy should immediately consult with UC and appropriate local officials knowledgeable in the operation and limitations of tide gate. If this strategy is implemented the tide gate system must be monitored throughout the tidal cycle. Special considerations include potential localized flooding and personnel injury.
BH-13-04 	Deployment Equipment 1000ft of sorbent boom 10 anchor stakes Vessels & Personnel/Shift Same as BH-13-01 Tending Same as BH-13-01	Same as BH-13-01	Same as BH-13-01	Same as BH-13-01
BH-13-05 	Deploy multiple free-oil recovery strike teams as required to maximize interception of oil before it impacts sensitive areas.	Same as BH-13-01	Same as BH-13-01	Vessel master should have local knowledge. Free-oil recovery should only be attempted if conditions permit and by experienced responders.





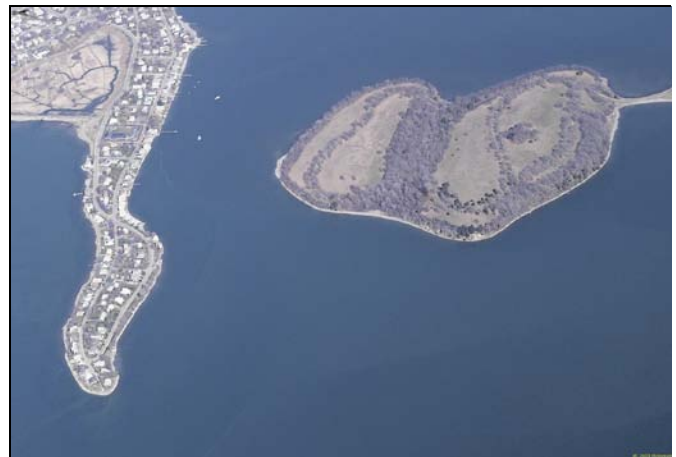
Site Photographs and Contact Information



George Washington Blvd, both culverts are located in this area.



View from the North, looking towards the location of EX01b.



Entrance to Weir River. Worlds End is shown on the right.

Contacts

Dept of Conservation & Recreation Rangers (24 Hour): 617-722-1188
Hingham Dept of Public Works: 781-741-1430
Hingham Fire: 781-749-1212
Hingham Harbormaster: 781-741-1450
Hull Fire: 781-925-8111
Hull Harbormaster: 781-925-0316
Mass. Dept of Environmental Protection (24 Hour): 888-304-1133
US Coast Guard (24 Hour): 617-223-5757
US-DOI-National Parks Boston Harbor Islands Superintendent: 617-480-4845

