



# Boston Harbor Geographic Response Plan

## Hingham Harbor BH-12



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

A total of 2 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
<b>BH-12-01</b>  	a.) Walton Cove Lat. 42°15'23.45"N Lon. 70°53'47.37"W  b.) Martins Well Lat. 42°15'28.95"N Lon. 70°52'27.58"W	<b>Exclusion Booming</b> Prevent oil from entering the culverts and sensitive marshes.	a.) Deploy 800ft of boom in a semicircle formation from the shore near Causeway Road to the shore near Otis Street. This tactic would block oil from entering the small cove near Downer Avenue.  b.) Deploy 600ft of boom in a closed chevron formation from the shore near Martins Lane. This would block oil from reaching the culvert that drains from the marsh in Planters Hill.  Anchors should be placed every 200ft and the boom should be tended throughout the tidal cycle.
<b>BH-12-02</b>    	a.) Under Otis Street/3A Lat. 42°15'2.33"N Lon. 70°53'28.96"W  b.) At intersection of Otis Street and North Street Culvert & Tide Gate Lat. 42°14'42.93"N Lon. 70°53'3.68"W  c.) Planters Hill Lat. 42°15'31.45"N Lon. 70°52'27.05"W	<b>Culvert Blocking</b>  Exclude the flow of oil through the culverts.  <b>Tide Gate</b> Prevent oil from entering the tide gate.	At low tide, 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.  For b.) This culvert is very large and should be lined with snare or sorbent boom.  Monitor the block to ensure blocking integrity.
<b>BH-12-03</b>  	<b>Hingham Harbor</b>	<b>Free-Oil Recovery</b> 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.
<b>BH-12</b>  	<b>Bathing Beach</b> Lat. 42°14'48.25"N Lon. 70°53'12.83"W	<b>Shoreside Recovery</b> Deploy shoreside recovery tactics in areas with shoreline access.	Set up shoreside recovery tactics on beaches and along bulk heads. An ideal location for shoreside recovery would be along a road, where a Vac Truck would have easy access to the shore.





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ID	Response Resources	Staging Area Site Access	Resources Protected	Special Considerations
<b>BH-12-01</b> 	<b>Deployment</b> <i>Equipment (All sites)</i> 1400 ft 18" boom 6 anchor systems 4 anchor stakes <i>Vessels</i> 2 skiffs <i>Personnel/Shift</i> 6-8 total (1 vessel operator + 1 responder per vessel, 4 shoreside responders) <b>Tending</b> <i>Vessels</i> 1 skiff <i>Personnel/Shift</i> 3-4 total (1 vessel operator + 1 responder per vessel, 2 shoreside responders)	There is a boat ramp located at Bathing Beach off of Otis Street/1A.  NOAA Chart 13270	<b>Marine Mammals</b> – Harbor Porpoise, Harbor Seals  <b>Fish</b> – Anadromous, Finfish  <b>Birds</b> – Seabirds, Shorebirds, Nesting Sites  <b>Invertebrates</b> – Lobster, crab, shrimp, shellfish  <b>Human Use</b> – Access, Beach, Boat Ramp, Marina, Recreational Fishing  <b>Habitat</b> - Beach, Marsh/Swamp, Rocky, Riprap, Tidal Flats	This area is an Area of Critical Environmental Concern.  Vessel master should have local knowledge.  There is fuel available at the Hingham Yacht Club.  Tested: not yet  Consider the time of year and relative presence of recreational boats when preparing to implement these strategies. Consult with the local harbor master 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.
<b>BH-12-02</b>  	<b>Deployment</b> <i>Transport (per site)</i> 1 Truck <i>Equipment (per site)</i> 2 sheets of plywood 100-200 sandbags 2 Polyethylene Sheeting <i>Vessels/Personnel/Shift &amp; Tending</i> Same as BH-12-01	Same as BH-12-01  Town Brook Hingham tidegate is in a vault in a parking lot across from the harbor.	Same as BH-12-01	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.  This tidegate is opened for fish passage and may need to be closed in spills. To close the gate, contact DPW.
<b>BH-12-03</b> 	Deploy multiple free-oil recovery strike teams as required to maximize interception of oil before it impacts sensitive areas.	Same as BH-12-01	Same as BH-12-01	Vessel master should have local knowledge. Free-oil recovery should only be attempted if conditions permit and by experienced responders.
<b>BH-12</b> 	<b>Deployment</b> <i>Equipment (All sites)</i> Vac Truck or shoreside recovery system	Same as BH-12-01	Same as BH-12-01	Same as BH-12-01





### Site Photographs and Contact Information



Shoreside recovery location and CB02b



Culvert at CB02c



Culvert at CB02a

#### **Contacts**

Dept of Conservation & Recreation Rangers (24 Hour): 617-722-1188  
Hingham Fire: 781-749-1212  
Hingham Dept of Public Works: 781-741-1430  
Hingham Harbormaster: 781-741-1450  
Mass. Dept of Environmental Protection (24 Hours): 888-304-1133  
US Coast Guard (24 Hour): 617-223-5757

