



Boston Harbor Geographic Response Plan

Quincy Bay BH-7



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 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>BH-07-01</p> 	<p>Squantum Marshes Off of Crabtree Road Lat. 42°17'24.54"N Lon. 71° 0'57.13"W</p> <p>Alt.) Off of Quincy Shore Drive at Ocean Street Lat. 42°17'8.37"N Lon. 71° 1'13.81"W</p>	<p>Diversion Booming Divert oil away from Squantum Marshes and towards shoreside recovery locations.</p>	<p>Deploy 1000ft of boom to divert oil away from Squantum Marshes and towards shoreside recovery locations on the opposing shoreline. The direction of the boom should be anchored according to the current, tidal stage and trajectory of the incoming oil.</p> <p>There are multiple shoreside recovery locations located along Quincy Shore Drive.</p> <p>Anchors should be placed every 200ft and tend the boom throughout the tidal cycle.</p>
<p>BH-07-02</p>  	<p>Blacks Creek Lat. 42°16'2.26"N Lon. 70°59'35.51"W</p>	<p>Exclusion Boom Prevent oil from reaching the tide gate at the entrance to Blacks Creek. This tactic will act as secondary containment to the tide gate.</p> <p>Tide Gate There is a tide gate located under Quincy Shore Drive at Blacks Creek. Contact the Department of Public Works to close the gate.</p>	<p>Deploy 1600ft of boom in a closed chevron from Quincy Shore Drive to Shore Avenue. The boom should be placed far enough from the entrance to the tide gate in order to withstand the strong current. Attach anchors every 200ft and tend throughout the tidal cycle.</p>
<p>BH-07-03</p> 	<p>Squantum Marsh Lat. 42°17'26.02"N Lon. 71° 1'6.44"W</p>	<p>Passive Recovery Place passive recovery tactics to recover oil and prevent it from entering sensitive areas.</p>	<p>Place snare or sorbent boom along marsh front to minimize damage and facilitate recovery. Replace as necessary to maximize the 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.</p>
<p>BH-07-04</p> 	<p>Offshore in Quincy Bay</p>	<p>Free-Oil Recovery Maximize free-oil recovery in the offshore & nearshore environment of Quincy Bay depending on spill location and trajectory.</p>	<p>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.</p>
<p>BH-07</p> 	<p>Various Locations Along Quincy Shore Drive: Lat. 42°16'36.29"N Lon. 71° 0'30.06"W</p>	<p>Shoreside Recovery Deploy shoreside recovery tactics to areas with shoreline access.</p>	<p>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.</p>





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ID	Response Resources	Staging Area Site Access	Resources Protected	Special Considerations
BH-07-01 	Deployment <i>Equipment (All sites)</i> 1000 ft 18" boom 5 anchor systems 1 anchor stakes 3 shoreside recovery system 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 are boat ramps located at the end of Crabtree Road and along Quincy Shore Drive from 3A. NOAA Chart 13270	Marine Mammals – Harbor Porpoise, Harbor Seals Fish – Anadromous, Finfish Birds – Seabirds, Shorebirds, Nesting Areas Invertebrates – Lobster, crab, shrimp, shellfish Human Use – Beach, Marina, Boat Ramp, Recreational Fishing Habitat - Beach, Marsh/Swamp, Rocky, Riprap, Tidal Flats	Vessel master must have local knowledge to safely navigate through the Squantum Marshes. Not Tested 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.
BH-07-02  	Deployment Equipment 1600 ft 18" boom 7 anchor systems 2 anchor stakes Vessels 2 skiffs Personnel/Shift Same as BH-07-01 Tending Vessels Same as BH-07-01 Personnel/Shift Same as BH-07-01	Same as BH-07-01	Same as BH-07-01	Contact Public Works to close the tide gate. 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-07-03 	Deployment Equipment 3000 ft. of snare or sorbent boom 30 anchor stakes Personnel/Shift 8 shoreside responders	Same as BH-07-01	Same as BH-07-01	Use snare boom for persistent oils and sorbent boom for non-persistent oils. Responders should determine if attempting to deploy the boom would do more harm to the marsh.
BH-07-04 	Deploy multiple free-oil recovery strike teams as required to maximize interception of oil before it impacts sensitive areas.	Same as BH-07-01	Same as BH-07-01	Vessel master should have local knowledge. Free-oil recovery should only be attempted if conditions permit and by experienced responders.
BH-07 	Deployment Equipment (All sites) Vac Truck or shoreside recovery system.	Same as BH-07-01	Same as BH-07-01	Same as BH-07-01





Photographs and Contact Information



Boat Ramp at the end of Crabtree Road



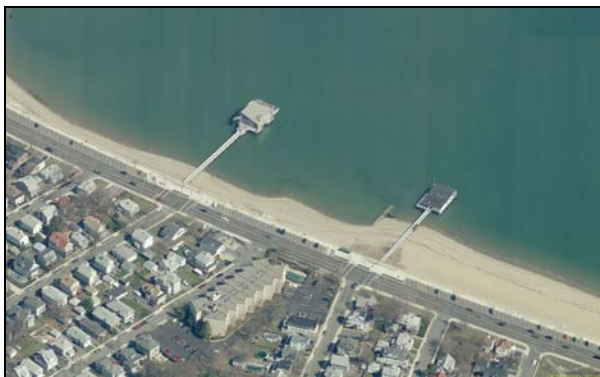
Entrance to Squantum Marsh.



Boat Ramp along Quincy Shore Drive



Tide Gate at Blacks Creek



Shoreline access along Quincy Shore Drive

Contact Information

City of Quincy – Public Works: 617-376-1910
 Dept of Conservation & Recreation Rangers (24 Hour): 617-722-1188
 Mass. Dept of Environmental Protection (24 Hours): 888-304-1133
 Quincy Police: 617-479-1212
 Quincy Fire (24 Hour): 617-376-1011
 Squantum Yacht Club: 617-770-4811
 US Coast Guard (24 Hour): 617-223-5757

