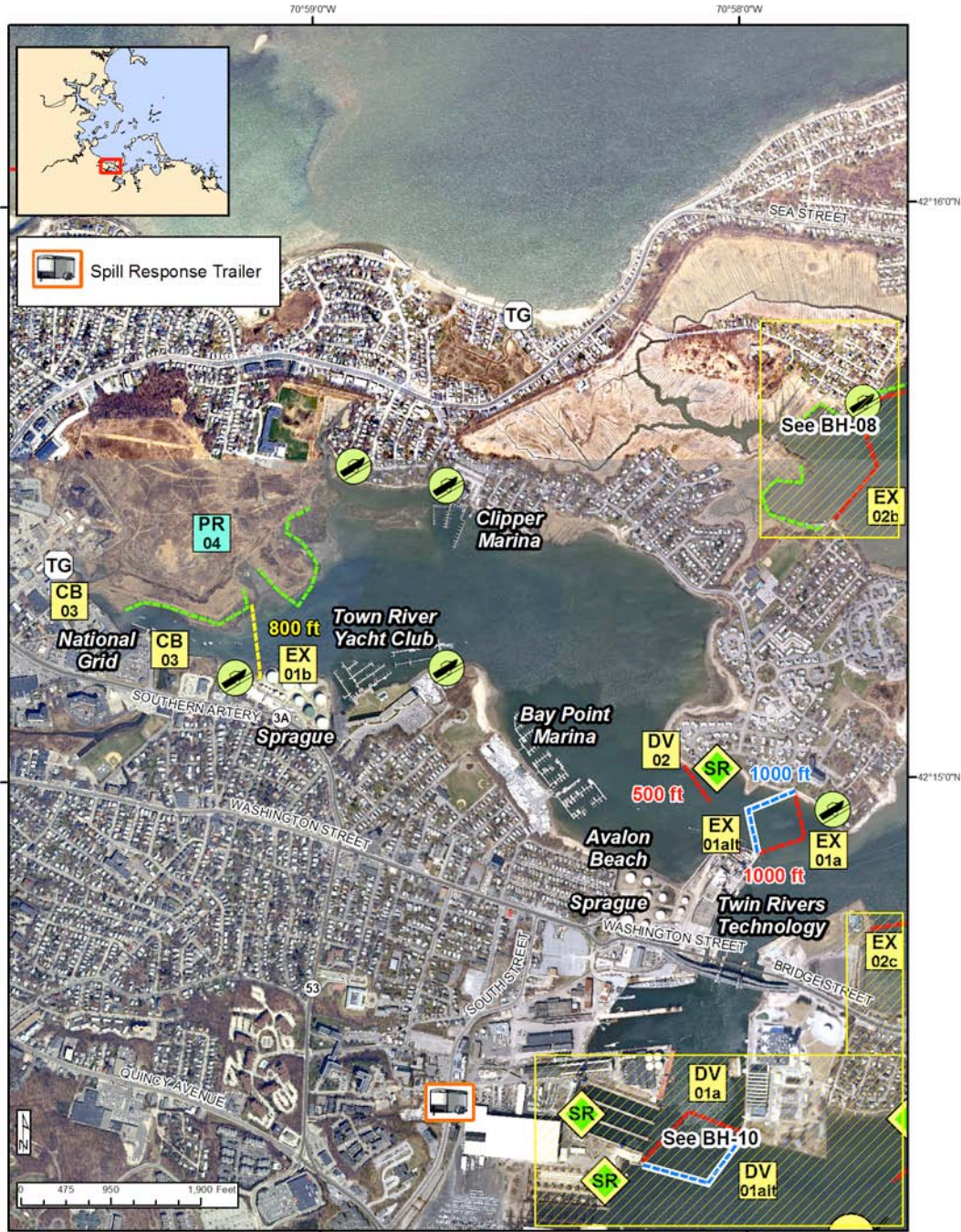




Boston Harbor Geographic Response Plan

Town River BH-9



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	Shoreside Recovery	Boat Ramp	Snare or Sorbent Boom
PR Passive Recovery	Free-oil Recovery	Beach Berm Material	Booming Strategy Developed by Other Agency
		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.





Boston Harbor Geographic Response Plan

Town River BH-9






ID	Location and Description	Response Strategy	Implementation
BH-09-01 	a.) Mouth of Town River Lat. 42°14'54.96"N Lon. 70°57'55.44"W The following strategy was developed by Sprague. In the event of a spill by Sprague, this tactic would be deployed using their equipment. b.) Sprague Facility Lat. 42°15'13.74"N Lon. 70°59'7.42"W	Exclusion Set boom across the mouth of Town River to prevent oil from entering and moving towards the marsh.	Deploy anchors and boom with skiffs. Extend at least 1000ft of boom across the mouth of the Town River in a closed chevron formation. The boom should extend from the shore near the end of St Germain Street to the edge of the Twin Rivers Technology facility. On ebb tide, deploy the alternate strategy. The shoreside anchors will still be place at the same locations, but the apex of the chevron will be inverted. b.) This strategy was designed by Sprague. Deploy 800ft of boom in a single leg from the Sprague facility towards the marsh. Set anchors every 200ft and tend throughout the tidal cycle.
BH-09-02 	Shoreline located near the entrance to Town River Lat. 42°15'0.75"N Lon. 70°58'5.47"W	Divert and Collect – Shoreside Deploy protected water boom to divert oil to collection point.	Deploy anchors and boom with skiffs. Extend 500ft of boom in a Southeasterly direction from the shore located near Taffrail Road. Set up recovery tactics on the beach. Set anchors every 200ft and tend throughout the tidal cycle.
BH-09-03  	Culverts located near: Lat. 42°15'9.55"N Lon. 70°59'22.52"W and Lat. 42°15'22.39"N Lon. 70°59'37.53"W	Culvert Blocking Exclude the flow of oil through the culverts. Tide Gate Prevent oil from entering the tide gate.	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. Contact Public Works to close the tide gate.
BH-09-04 	Marshes located at the Western end of Town River Lat. 42°15'21.13"N Lon. 70°59'2.47"W	Passive Recovery Place passive recovery tactics to recover oil and prevent it from entering sensitive areas.	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.





Boston Harbor Geographic Response Plan

Town River BH-9

ID	Response Resources	Staging Area Site Access	Resources Protected	Special Considerations
BH-09-01 	Deployment Equipment (for a) 1000 ft 18" boom 4 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)	Site Access: There are boat ramps located at Town River Marina (off of 3A), Town River Yacht Club (off of Cove Way) and Clippers Marina (off of Palmer Street). There are smaller ramps located at the end of Delano Avenue and St Germain Street. NOAA Chart 13270	Marine Mammals – Harbor Porpoise, Harbor Seals Fish – Anadromous, Finfish Birds – Shorebirds Invertebrates – Lobster, crab, shrimp, shellfish Human Use – Beach, Marina, Boat Ramp, 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-09-02 	Deployment Equipment 500 ft 18" boom 3 anchor systems 1 anchor stakes 1 shoreside recovery system Vessels 2 skiffs Personnel/Shift Same as BH-09-01 Tending Same as BH-09-01	Same as BH-09-01	Same as BH-09-01	Same as BH-09-01
BH-09-03  	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-09-01	Same as BH-09-01	Same as BH-09-01	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 culvert system. If this strategy is implemented the culvert system must be monitored throughout the tidal cycle. Special considerations include potential localized flooding and personnel injury.
BH-09-04 	Deployment Equipment 3000 ft. of snare or sorbent boom 30 anchor stakes Personnel/Shift 8 shoreside responders	Same as BH-09-01	Same as BH-09-01	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.





Site Photographs and Contact Information



Sprague Tanks, Town River Marina and Town River Yacht Club



Boat Ramp located at Town River Yacht Club



Culvert located near National Grid



Marshes located at the Western end of Town River



View of Twin Rivers Technology from the North

Contact Information

City of Quincy – Public Works: 617-376-1910
Dept of Conservation & Recreation Rangers (24 Hour): 617-722-1188
US Coast Guard – Sector Boston (24 Hour): 617-223-5757
Mass. Dept of Environmental Protection (24 Hours): 888-304-1133
Quincy Police: 617-479-1212
Quincy Fire (24 Hour): 617-376-1011
Braintree Fire Department: 781-843-3600
Weymouth Fire Department: 781-337-5151
Weymouth Harbormaster (781) 682-6109
Twin Rivers Technology: 617-472-9200
Sprague: 617-847-0994
Bay Point Marina: 617-471-1777
Town River Yacht Club: 617-471-2716

