



South Shore Geographic Response Plan

South River SS-07



Map Legend			
BB Beach Berm	DF Deflection Booming	TG Tide Gate	
CB Culvert Block	EX Exclusion Booming	Boat Ramp	
DV Diversion Booming	Shoreside Recovery	Beach Berm Material	Protected-water Boom (Flood Tide)
PR Passive Recovery	Free-oil Recovery	GRP Trailer Locations	Snare or Sorbent Boom




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>SS-07-01</p> 	<p>a.) Webster Street Lat. 42° 8'21.27"N Lon. 70°41'40.50"W</p> <p>b.) Revere Street Lat. 42° 8'9.04"N Lon. 70°41'33.68"W</p> <p>c.) Garfield Street Lat. 42° 7'47.60"N Lon. 70°41'13.30"W</p>	<p>Divert & Collect Prevent oil released in the South River from migrating in the event that a spill originates from a vessel, fuel storage, or a vehicle on the bridges that span the South River.</p> <p>For a spill originating in the South River, it would be important to deploy booming tactics north and south of the spill. The exact booming locations should be based on the spill source.</p>	<p>a.) Deploy 650ft of boom across the river at the South River Yacht Yard at the end of Webster Street.</p> <p>b.) Deploy 500ft of boom across the river at Revere Street.</p> <p>c.) Deploy 550ft of boom across the river at the Garfield Street.</p> <p>Shoreside recovery should be set up at the nearest boat ramp or closest shoreside location.</p> <p>If needed, deploy double legs of boom as backup.</p> <p>Deploy anchors every 200ft and tend boom throughout tidal cycle.</p>
<p>SS-07-02</p> 	<p>Entrance to Broad Creek Lat. 42° 8'43.00"N Lon. 70°42'13.04"W</p> <p>Entrance to Littles Creek Lat. 42° 8'35.70"N Lon. 70°42'9.43"W</p>	<p>Exclusion Booming Prevent oil from entering the marsh systems.</p>	<p>Deploy 400ft of boom across the entrance to Broad Creek and 300ft of boom across the entrance to Littles Creek. Both of these locations have exposed tidal flats at low tide, therefore the hard boom should be lined with sorbent material on each side.</p> <p>Deploy anchors every 200ft and tend throughout the tidal cycle.</p> <p>During astronomically high tides, the entire marsh system may be submerged. Anchoring the boom during these high tides would be difficult.</p>
<p>SS-07-03</p> 	<p>Offshore of Humarock</p>	<p>Free-Oil Recovery Maximize free-oil recovery in the offshore & nearshore environment 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>





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ID	Response Resources	Staging Area Site Access	Resources Protected	Special Considerations
<p>SS-07-01</p> 	<p>Deployment Equipment 1700 ft 18” boom 4 anchor systems 6 anchor stakes 3 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)</p>	<p>General directions to the site: From Rt 3A, turn onto Pleasant St. Take a right on Summer St and then left on Elm St, then left on Sea St. For the ramp on Webster St: Continue on Sea St and cross over South River. Take a left on Central Ave and then a left on Webster St. For the ramp at Marshfield Yacht Club: From Sea St, turn right on Ferry St and then bear left on Ridge Rd. NOAA Chart 13267</p>	<p>Fish – Anadromous Fish, Finfish Invertebrates – Lobster, crab, shrimp Birds – Shorebirds, Seabirds Human Use – Marina Habitat - Beach, Marsh, Tidal Flats</p>	<p>Vessel master should have local knowledge. 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. Tested: not yet</p>
<p>SS-07-02</p> 	<p>Deployment Equipment 700 ft 18” boom 2 anchor systems 4 anchor stakes 1400 ft of sorbent material Vessels 2 skiffs Personnel/Shift 6-8 total (1 vessel operator + 1 responder per vessel, 4 shoreside responders) Tending Same as SS-07-01</p>	<p>Same as SS-07-01</p>	<p>Same as SS-07-01</p>	<p>There is a great deal of shellfishing that exists in South River.</p>
<p>SS-07-03</p> 	<p>Deploy multiple free-oil recovery strike teams as required to maximize interception of oil before it impacts sensitive areas.</p>	<p>Same as SS-07-01</p>	<p>Same as SS-07-01</p>	<p>Vessel master should have local knowledge. Free-oil recovery should only be attempted if conditions permit and by experienced responders.</p>





Site Photographs and Contact Information



View looking north towards DV-01a and the boat ramp.



View looking north towards DV-01b

Contacts:

Marshfield Conservation Commission: 781-834-5573
Marshfield Emergency Management Agency: 781-837-7100
Marshfield Fire Dept: 781-837-1315
Marshfield Harbormaster: 781-834-5541
Mass. Dept of Environmental Protection (24 Hours):
888-304-1133
North and South Rivers Watershed Association: 781-659-8168
U.S. Coast Guard (24 Hours): 617-223-5750

