



South Shore Geographic Response Plan

Ellisville Harbor SS-14



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




A total of 1 State Response Trailer is 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
SS-14-01 	Mouth of Ellisville Harbor Lat. 41°50'24.35"N Lon. 70°31'59.73"W	Divert & Collect Divert incoming oil to the beach near Salt Marsh Lane.	Deploy 300ft boom from the shore on the northern entrance to Ellisville Harbor in a westerly direction. Shoreside recovery tactics should be deployed on the eastern shore near Salt Marsh Lane. Tend boom throughout the tidal cycle.
SS-14-02 	Ellisville Road Lat. 41°50'37.98"N Lon. 70°32'26.20"W	Culvert Blocking Exclude the flow of oil through the culvert.	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. This tactic would only be used where astronomical high tides or storm surges create the risk of marine waters flowing upriver.
SS-14-03 	Offshore of Ellisville Harbor	Free-Oil Recovery Maximize free-oil recovery in the offshore & nearshore environment of Ellisville 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
<p>SS-14-01</p> 	<p>Deployment Equipment 300 ft 18” boom 2 anchor systems 2 anchor stakes 1 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)</p>	<p>From Rt 3A/State Rd, turn on to Ellisville Rd and then take a left on Salt Marsh Lane.</p> <p>NOAA Chart 13246</p>	<p>Marine Mammals – Whales, Harbor Seals</p> <p>Fish – Finfish</p> <p>Invertebrates – Lobster, Crab, Shrimp, Shellfish</p> <p>Birds – Shorebirds, Seabirds, Nesting Areas</p> <p>Threatened Species – Fin Whale, Humpback Whale, Piping Plover, Least Tern, Common Tern</p> <p>Land Management – Area of Critical Environmental Concern, State Management Area</p> <p>Habitat - Beach, Marsh</p>	<p>Vessel master should have local knowledge.</p> <p>Mid October – Mid May areas around Ellisville Harbor are seal haulouts</p> <p>April – August are nesting times for Least Tern, Common Tern and Piping Plover</p> <p>Salt Marsh Lane is very narrow and will be difficult for navigation.</p> <p>The gate located at the end of Salt Marsh Lane is only open from May – Sept. Contact the Wildlands Trust of Southeastern Massachusetts to open the gate.</p> <p>Ellisville Harbor is an Area of Critical Environmental Concern.</p> <p>Tested: not yet</p>
<p>SS-14-02</p> 	<p>Deployment Transport 1 Truck Equipment 2 sheets of plywood 100-200 sandbags 2 Polyethylene Sheeting Vessels/Personnel/Shift & Tending Same as SS-14-01</p>	<p>The culvert is located near Ellisville Road, about 100ft from the road.</p>	<p>Same as SS-14-01</p>	<p>Responders implementing this strategy should immediately consult with UC and appropriate local officials knowledgeable in the operation and limitations of culvert. If this strategy is implemented, the culvert block system must be monitored throughout the tidal cycle. Special considerations include potential localized flooding and personnel injury.</p>
<p>SS-14-03</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-14-01</p>	<p>Same as SS-14-01</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 southwest into Ellisville. (DV-01)



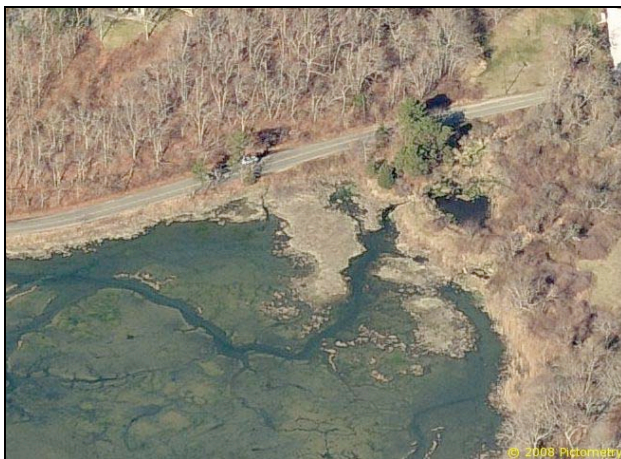
View looking east back towards the entrance to Ellisville Harbor.



View looking west into Ellisville Harbor from the entrance.



Culvert located near Ellisville Road. (CB-02)



View looking southwest towards the culvert near Ellisville Road. (CB-02)

Contacts:

Department of Conservation & Recreation, Areas of Critical Environmental Concern (ACEC) Program: 617-626-1394
Department of Conservation & Recreation, Ellisville Harbor State Park: 508-866-2580
Mass. Dept of Environmental Protection (24 Hours): 888-304-1133
Plymouth Conservation Commission: 508-747-1620
Plymouth Dept of Emergency Management: 508-833-5801
Plymouth Fire Dept: 508-830-4213
Plymouth Harbormaster: 508-830-4182
U.S. Coast Guard (24 Hours): 617-223-5750
Wildlands Trust of Southeastern Massachusetts: 781-934-9018

