

Tactics Legend

- DF** Deflection Booming
- DV** Diversion Booming
- EX** Exclusion Booming
- FO** Free Oil Recovery
- PR** Passive Recovery
- SR** Shoreside Recovery
- S** Staging Area
-  Boat Ramp
- BB** Beach Berm
- TG** Tide Gate
-  Protected-Water Boom
-  Open-Water Boom
-  Snare/ Sorbent Boom

Equipment - All Tactics

Boom(ft)	2100
Marine anchors	14
Shore anchors	5
Sorbent Boom(ft)	0
FO Recovery Sys	1
Shore Responders	2
Boat Responders	6
Boats	2

Version

2/15/2023



Response Trailer, Tactics Deployment, and Responder Safety Information








A total of **3** state response trailers are required to implement all the tactics in this GRS. 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.

Location

**Latitude:** 42°30'19" N  
**Longitude:** 70°50'38" W  
**NOAA Chart #** 13275

**Geographic Response Strategy**

**Marblehead Harbor NS27**

Tactic #	Purpose	Response Equipment	Deployment Resources	Deployment Notes
<b>DV-01a</b> 	Redirect spilled oil from one location or direction of travel to a specific site for recovery.	800 ft protected water boom 7 marine anchor system 1 shoreline anchor system	2 shore responders 1 response boats 3 boat responders	Tend through tidal changes. Deploy boom as depicted to divert incoming oil to the collection site. Anchor every 200-300'. Adjust angle as necessary to reduce entrainment. Set up shoreside recovery and tend throughout tide. Deploy shoreside anchor first.
		5/25/2016	Testing Date	
<b>DV-01a-alt</b> 	Redirect spilled oil from one location or direction of travel to a specific site for recovery.	800 ft protected water boom 4 marine anchor system 1 shoreline anchor system	2 shore responders 1 response boats 3 boat responders	Tend through tidal changes. Deploy boom as depicted to divert incoming oil to the collection site. Anchor every 200-300'. Adjust angle as necessary to reduce entrainment. Set up shoreside recovery and tend throughout tide. Deploy shoreside anchor first.
			Testing Date	
<b>DF-02</b> 	Direct spilled oil away from a location to be protected or to change the course of the slick.	300 ft protected water boom 2 marine anchor system 1 shoreline anchor system	2 shore responders 2 response boats 6 boat responders	Tend through tidal changes. Deploy boom as depicted to deflect incoming oil away from sensitive areas. Anchor every 200-300'. Deploy shoreside anchor first.
			Testing Date	
<b>EX-03</b> 	Prohibit oil slicks from entering a sensitive area	200 ft protected water boom 1 marine anchor system 2 shoreline anchor system	2 shore responders 1 response boats 3 boat responders	Tend through tidal changes. Deploy boom as depicted to exclude oil from sensitive areas. Anchor every 200-300'. Not tide dependent. Deploy shoreside anchor first.
			Testing Date	
<b>CB-04</b> 	Prevent oil that has entered drainage systems from impacting waterways and sensitive areas	1 inflatable plug, sand bag, or plywood	2 shore responders	At low tide deploy appropriate size inflatable culvert plug in the culvert. Monitor to ensure blocking integrity. Without culvert plug, place plywood or similar sheeting material across the culvert. Use plastic sheeting to ensure the seal. Stack sandbags against plywood to counter outflow pressure.
		N/A	Testing Date	
<b>FO-05</b> 	Contain and recover spilled oil on the water in the offshore & nearshore environment	1 or more onwater skimming systems		Deploy on-water recovery task force(s) in configuration suitable for types of vessels used and sea conditions, with skimming system(s) and temporary storage for recovered oil and water. Location not exact, will move to chase oil.
		N/A	Testing Date	
<b>SR-06</b> 	Remove spilled oil that has been diverted to a designated recovery site accessible from shore	2 skimming system 2 storage tank or bladder 2 hoses, pumps, fittings	2 shore responders	Set up shoreside recovery tactic at general location depicted on map. Some access points located at private residences. Access may be difficult.
		N/A	Testing Date	

Local contacts

Marblehead Fire Department	<a href="tel:978-631-0142">978-631-0142</a>
Marblehead Harbormaster	<a href="tel:978-631-2386">978-631-2386</a>
Marblehead DPW	<a href="tel:781-631-1750">781-631-1750</a>
Salem Sound Coastwatch	<a href="tel:978-741-7900">978-741-7900</a>
U.S.C.G. Station Gloucester	<a href="tel:978-283-0705">978-283-0705</a>
Mass Division of Marine Fisheries	<a href="tel:617-626-1520">617-626-1520</a>
Environmental Police	<a href="tel:800-632-8075">800-632-8075</a>



Marblehead Neck DV-01a shoreside recovery location (beach at middle right) at low tide on 02 June 2009. View looks northeast.

Resources Protected

Marine Mammals	None identified
Fish	None identified
Invertebrates	Shellfish, Urchins
Birds	Nesting Sites, Seabirds, Shorebirds
Threat/End. Species	None identified
Cultural	None identified
Subsistence	None identified
Human Use	Marina, Boat Ramp, Port/Harbor
Commercial Fishing	None identified
Land Management	None identified
Coastal Habitat	Beach, Rocky Shore, Tidal Flats



Front St DV-01b(al) shoreside recovery location at low tide on 02 June 2009. View looks southwest.

Special Considerations & Navigational Hazards

Developed shoreline with riprap, pier pilings, dock, and floats. For the 2 culverts at Riverhead Beach one culvert drains from the town and the other drains from Goldthwait Marsh. Tidal range 7-11ft. Vessel operators should have local knowledge.