

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)	1400
Marine anchors	8
Shore anchors	3
Sorbent Boom(ft)	1400
FO Recovery Sys	1
Shore Responders	2
Boat Responders	3
Boats	2

Version

10/13/2022



Response Trailer, Tactics Deployment, and Responder Safety Information








A total of **2** 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°42'16" N
Longitude: 70°47'13" W
NOAA Chart # 13282

Geographic Response Strategy

Plum Island Sound Entrance NS10

Tactic #	Purpose	Response Equipment	Deployment Resources	Deployment Notes
DV-01a 	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 2 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.
		6/8/2010	Testing Date	
DV-01alt 	Redirect spilled oil from one location or direction of travel to a specific site for recovery.	300 ft protected water boom 2 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 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	
DV-01b 	Redirect spilled oil from one location or direction of travel to a specific site for recovery.	300 ft protected water boom 2 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 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	
PR-02 	Remove spilled oil by collecting it in a sorbent material	1400 ft sorbent boom 1400 ft sorbent pom-poms 40 anchor stakes	2 shore responders	Place and stake snare or sorbent boom in areas that are likely to pool and collect oil and across the mouths of the streams and intertidal areas. Use snare boom for persistent oils and sorbent boom for non-persistent oils. Approach the streams and intertidal areas on rising tide. Replace as necessary to maximize oil recovery.
		N/A	Testing Date	
CB-03 	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	
FO-04 	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	
SR-05 	Remove spilled oil that has been diverted to a designated recovery site accessible from shore	3 skimming system 3 storage tank or bladder 3 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

Ipswich Fire Department	978-356-6630
Ipswich Harbormaster	508-356-4343
Ipswich DPW	978-356-6612
Mass Bays Estuary Assn	978-374-0519
U.S.C.G. Station Merrimack	978-462-3428
Mass Division of Marine Fisheries	617-626-1520
Environmental Police	800-632-8075
Mass Dept of Fish and Game	617-626-1500



Stage Island and site of DV-01a (08 April 2008 photo)

Resources Protected

Marine Mammals	None identified
Fish	Anadromous, finfish
Invertebrates	Shellfish, Lobster, Crab, Shrimp
Birds	Bald Eagle, Seabirds, Plover, Roseate Tern, Least Tern, Nesting Areas
Threat/End. Species	None identified
Cultural	None identified
Subsistence	None identified
Human Use	Boat Ramps, Marinas
Commercial Fishing	None identified
Land Management	None identified
Coastal Habitat	Marsh/Swamp, Tidal Flats, Riprap



Little Neck and site of DV-01b (08 April 2008 photo)

Special Considerations & Navigational Hazards

Vessel operators should take notice of mooring fields and consider loading boom onto vessel. Sandy Point (the southeastern most point in the diagram) is a shorebird nesting area and should be avoided from April 1 to August 31. Tide range 7-9 ft. Extensive tidal flats exposed during low tides. Tidal current Max speed of 2-3 kts in main channel. Less than 1 kt in side creeks.