

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	11
Shore anchors	6
Sorbent Boom(ft)	0
FO Recovery Sys	1
Shore Responders	2
Boat Responders	6
Boats	2

Version

1/31/2024



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: 41°44'35" N
Longitude: 70°37'43" W
NOAA Chart # 13236

Geographic Response Strategy

Buttermilk Bay System BB27

Tactic #	Purpose	Response Equipment	Deployment Resources	Deployment Notes
DV-01 	Redirect spilled oil from one location or direction of travel to a specific site for recovery.	1200 ft protected water boom 6 marine anchor system 2 shoreline anchor system	2 shore responders 2 response boats 6 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	
EX-02a 	Prohibit oil slicks from entering a sensitive area	700 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 exclude oil from sensitive areas. Anchor every 200-300'. Not tide dependent. Deploy shoreside anchor first.
			Testing Date	
EX-02b 	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.
		10/03/19	Testing Date	
BB-03 	Exclude spilled oil from impacting sensitive areas by constructing a barrier from natural materials	Build a beach berm. Use local beach & inter-tidal bar sediments. Don't destroy any part of foredune. If berm is expected to remain in place for more than a few days, place one or more 20' x 12" pipe in the channel & build berm on top of pipe. Use culvert plugs to control water flow through the pipe. Permitting may be required.		Construction of beach berms typically require the use of heavy equipment and should only be attempted by professional responders. Beach berms should not be constructed without explicit direction from the UC. Permits for earth-moving to construct beach berms are required from state and federal agencies (MADEP, Army Corp. of Eng) and concurrence from Natural Resource Trustee Agencies may also be required.
		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	1 skimming system 1 storage tank or bladder 1 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

Bourne Fire Department	(508) 759-4412
Bourne DNR	(508) 759-0600
Wareham Harbor Master	(508) 291-3100 x 3186
Massachusetts Dept. of Fish and Wildlife	(508) 792-7270
The Coalition for Buzzards Bay	(508) 999-6363



View of Buttermilk Bay entrance looking east at low tide on 29 May 2004. (RPI photo)

Resources Protected

Marine Mammals	None identified
Fish	Shellfish, finfish
Invertebrates	None identified
Birds	Waterfowl concentration, Roseate Tern (federal/state endangered)
Threat/End. Species	None identified
Cultural	None identified
Subsistence	None identified
Human Use	Private docks, marinas, state college, and private and public beaches
Commercial Fishing	None identified
Land Management	None identified
Coastal Habitat	Marsh sheltered tidal-flats, barrier beach, eel grass beds, sand and cobble beaches, shoreline armament



Cohasset Narrows at the entrance to Buttermilk Bay looking east on 29 May 2008. (RPI photo)

Special Considerations & Navigational Hazards

Currents in center channel at DV-01 may exceed 3 kts. Currents can exceed 6 kts in nearby Cape Cod Canal.