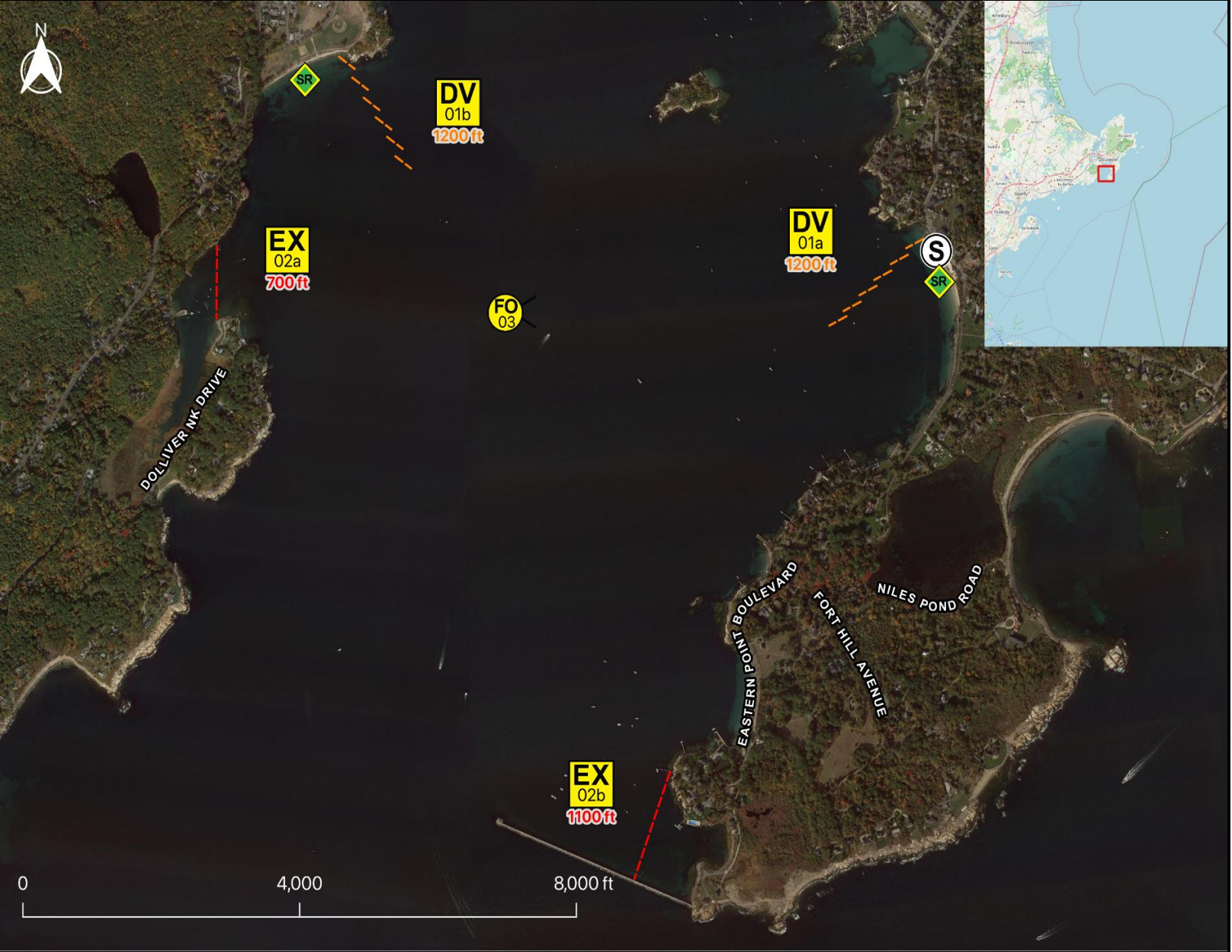


Tactics Legend

- 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)	4200
Marine anchors	17
Shore anchors	6
Sorbent Boom(ft)	0
FO Recovery Sys	1
Shore Responders	2
Boat Responders	9
Boats	3

Response Trailer, Tactics Deployment, and Responder Safety Information

A total of 5 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°35'30" N
Longitude: 70°40'4" W
NOAA Chart # 13281

Version
 2/22/2022

Geographic Response Strategy

Gloucester Outer Harbor NS19

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.	1200 ft open 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. 36" boom staged in New Bedford and MMA. 42" boom staged at USCG Base Cape Cod. Contact MassDEP to access.
		N/A	Testing Date	
DV-01b 	Redirect spilled oil from one location or direction of travel to a specific site for recovery.	1200 ft open water boom 1 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. 36" boom staged in New Bedford and MMA. 42" boom staged at USCG Base Cape Cod. Contact MassDEP to access.
		N/A	Testing Date	
EX-02a 	Prohibit oil slicks from entering a sensitive area	700 ft protected water boom 4 marine anchor system 4 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.
		N/A	Testing Date	
EX-02b 	Prohibit oil slicks from entering a sensitive area	1100 ft protected water boom 6 marine anchor system 4 shoreline anchor system	2 shore responders 2 response boats 6 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.
		N/A	Testing Date	
FO-03 	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-04 	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

Gloucester Fire Department	978-281-9760
Gloucester Harbormaster	978-282-3012
Gloucester Shellfish Constable	978-281-9781
Mass Bays Estuary Assn	978-374-0519
U.S.C.G. Station Gloucester	978-283-0705
Mass Division of Marine Fisheries	617-626-1520
Environmental Police	800-632-8075



Site of DV-01a at Niles Beach looking northwest (26 June 2009 photo)

Resources Protected

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



Site access at Flat Cove Landing at low tide looking northwest (26 June 2009 photo)

Special Considerations & Navigational Hazards

Tide range 7-11 ft. Large number of commercial and recreational vessels. Broadcast channel closures via Local Notice to Mariners. Vessel operators should have local knowledge.