

Tactics Legend

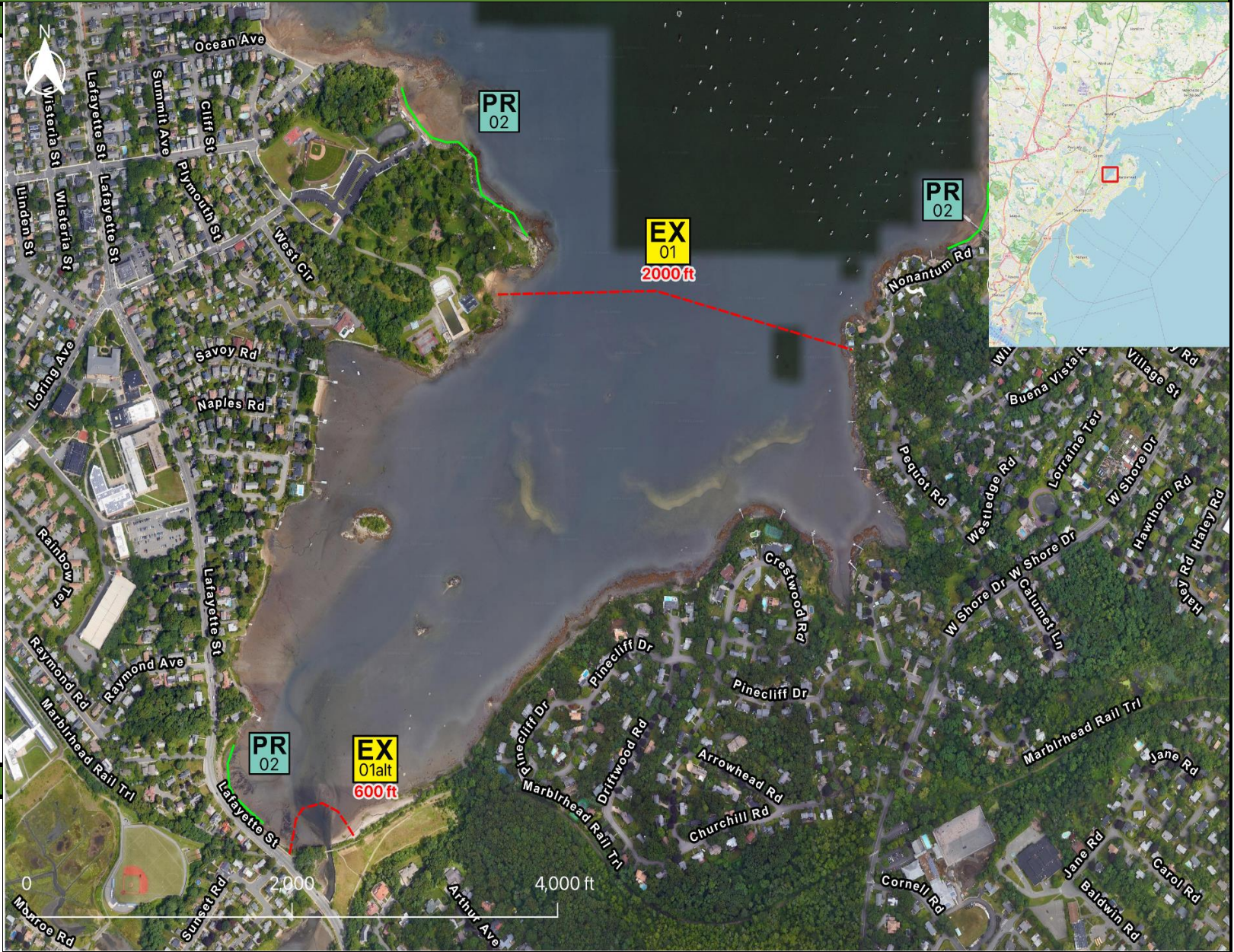
- DF** Deflection Booming
- DV** Diversion Booming
- EX** Exclusion Booming
- FO** Free Oil Recovery
- PR** Passive Recovery
- SR** Shoreside Recovery
- S** Staging Area
-  Boat Ramp
- BB** Beach Berm
- TG** Tide Gate
-  Protected-Water Boom
-  Open-Water Boom
-  Snare/ Sorbent Boom

Equipment - All Tactics

Boom(ft)	2600
Marine anchors	13
Shore anchors	4
Sorbent Boom(ft)	2050
FO Recovery Sys	0
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°30'10" N
Longitude: 70°52'49" W
NOAA Chart # 13275

Geographic Response Strategy

South Salem Harbor NS26

Tactic #	Purpose	Response Equipment	Deployment Resources	Deployment Notes
EX-01 	Prohibit oil slicks from entering a sensitive area	2000 ft protected water boom 10 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 exclude oil from sensitive areas. Anchor every 200-300'. Not tide dependent. Deploy shoreside anchor first. Readjust boom angle as needed to reduce entrainment
		N/A	Testing Date	
EX-01alt 	Prohibit oil slicks from entering a sensitive area	600 ft protected water boom 3 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.
		N/A	Testing Date	
PR-02 	Remove spilled oil by collecting it in a sorbent material	1100 ft sorbent boom 1100 ft sorbent pom-poms 31 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	
PR-02 	Remove spilled oil by collecting it in a sorbent material	450 ft sorbent boom 450 ft sorbent pom-poms 13 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	
PR-02 	Remove spilled oil by collecting it in a sorbent material	500 ft sorbent boom 500 ft sorbent pom-poms 14 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	

Local contacts

Salem Harbormaster	978-741-0098
Salem Fire Department	978-744-1235
Salem Sound Coastwatch	978-741-7900
U.S.C.G. Station Gloucester	978-283-0705
Mass Division of Marine Fisheries	617-626-1520
Environmental Police	800-632-8075
Marblehead Harbormaster	978-631-2386



Entrance to Forest River at low tide on 02 June 2009. View looks southwest.

Resources Protected

Marine Mammals	None identified
Fish	None identified
Invertebrates	Shellfish, Lobster, Crab, Shrimp, Urchins
Birds	None identified
Threat/End. Species	None identified
Cultural	None identified
Subsistence	None identified
Human Use	Marina, Moorings
Commercial Fishing	None identified
Land Management	None identified
Coastal Habitat	Tidal Flats, Beach, Rocky Shore



South Salem Harbor at EX-01 eastern attachment point looking southeast (02 June 2009 photo)

Special Considerations & Navigational Hazards

EX01alt: Boom will lie on sand/mud bottom at low tide. Tidal range 7-11ft. Vessel operators should have local knowledge.