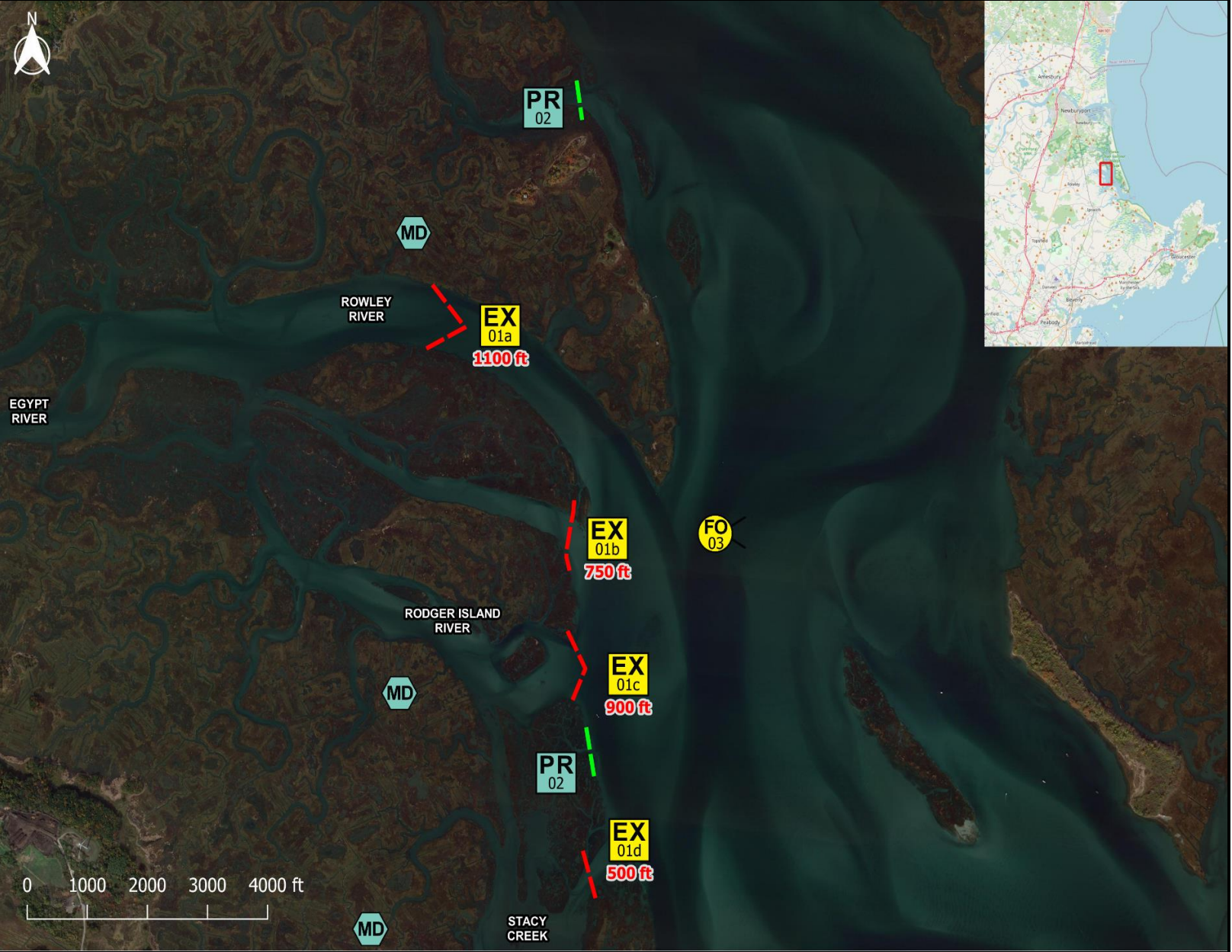


Tactics Legend

- 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)	3250
Marine anchors	18
Shore anchors	8
Sorbent Boom(ft)	900
FO Recovery Sys	1
Shore Responders	2
Boat Responders	6
Boats	2



Response Trailer, Tactics Deployment, and Responder Safety Information

A total of 4 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°43'39" N
Longitude: 70°49'2" W
NOAA Chart # 13282

Version

10/13/2022

Geographic Response Strategy

Rowley River NS07

Tactic #	Purpose	Response Equipment	Deployment Resources	Deployment Notes
EX-01a 	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. Readjust boom angle as needed to reduce entrainment
		N/A	Testing Date	
EX-01b 	Prohibit oil slicks from entering a sensitive area	750 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-01c 	Prohibit oil slicks from entering a sensitive area	900 ft protected water boom 5 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. Readjust boom angle as needed to reduce entrainment
		N/A	Testing Date	
EX-01d 	Prohibit oil slicks from entering a sensitive area	500 ft protected water boom 3 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	
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	
PR-02 	Remove spilled oil by collecting it in a sorbent material	400 ft sorbent boom 400 ft sorbent pom-poms 11 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	
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	

Local contacts

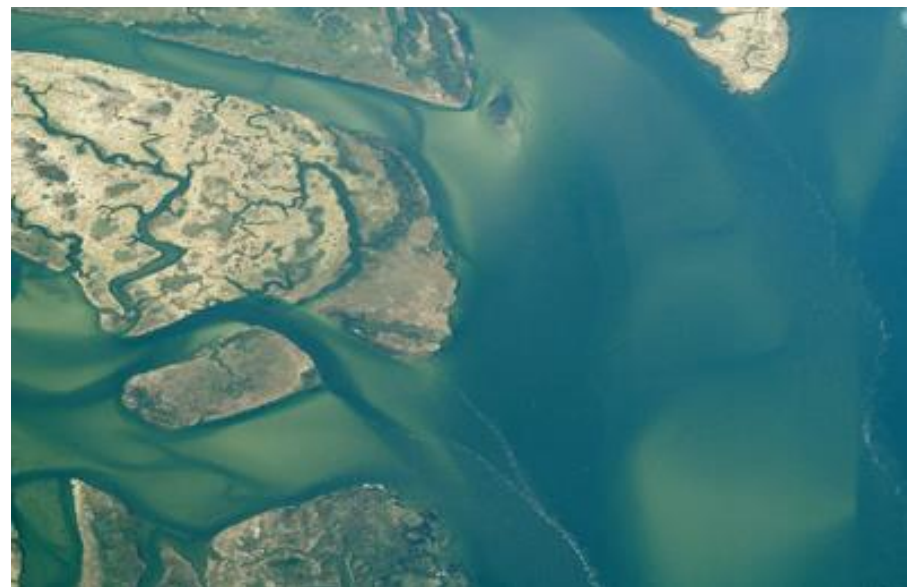
Rowley Fire Department	978-948-3812
Rowley Harbormaster	508-397-2450
Mass Bays Estuary Assn	978-374-0519
U.S.C.G. Station Merrimack	978-462-3428
Mass Division of Marine Fisheries	617-626-1520
Environmental Police	800-632-8075



Mouth of Rowley River and site of EX-01a and EX-01b (08 April 2008 photo)

Resources Protected

Marine Mammals	None identified
Fish	Anadromous
Invertebrates	Shellfish
Birds	Seabirds, Pied-Billed Grebe
Threat/End. Species	None identified
Cultural	None identified
Subsistence	None identified
Human Use	Boat Ramps, Marinas, National Wildlife Refuge
Commercial Fishing	None identified
Land Management	None identified
Coastal Habitat	Marsh/Swamp, Tidal Flats



Rodger Island River and site of EX-01c (08 April 2009 photo)

Special Considerations & Navigational Hazards

Tide range 7-9 ft. Tidal current max speed of 2-3 kts in main channel. Less than 1 kt inside creeks. Extensive tidal flats exposed during low tides. Vessel operators should have local knowledge and experience in operating in strong currents.