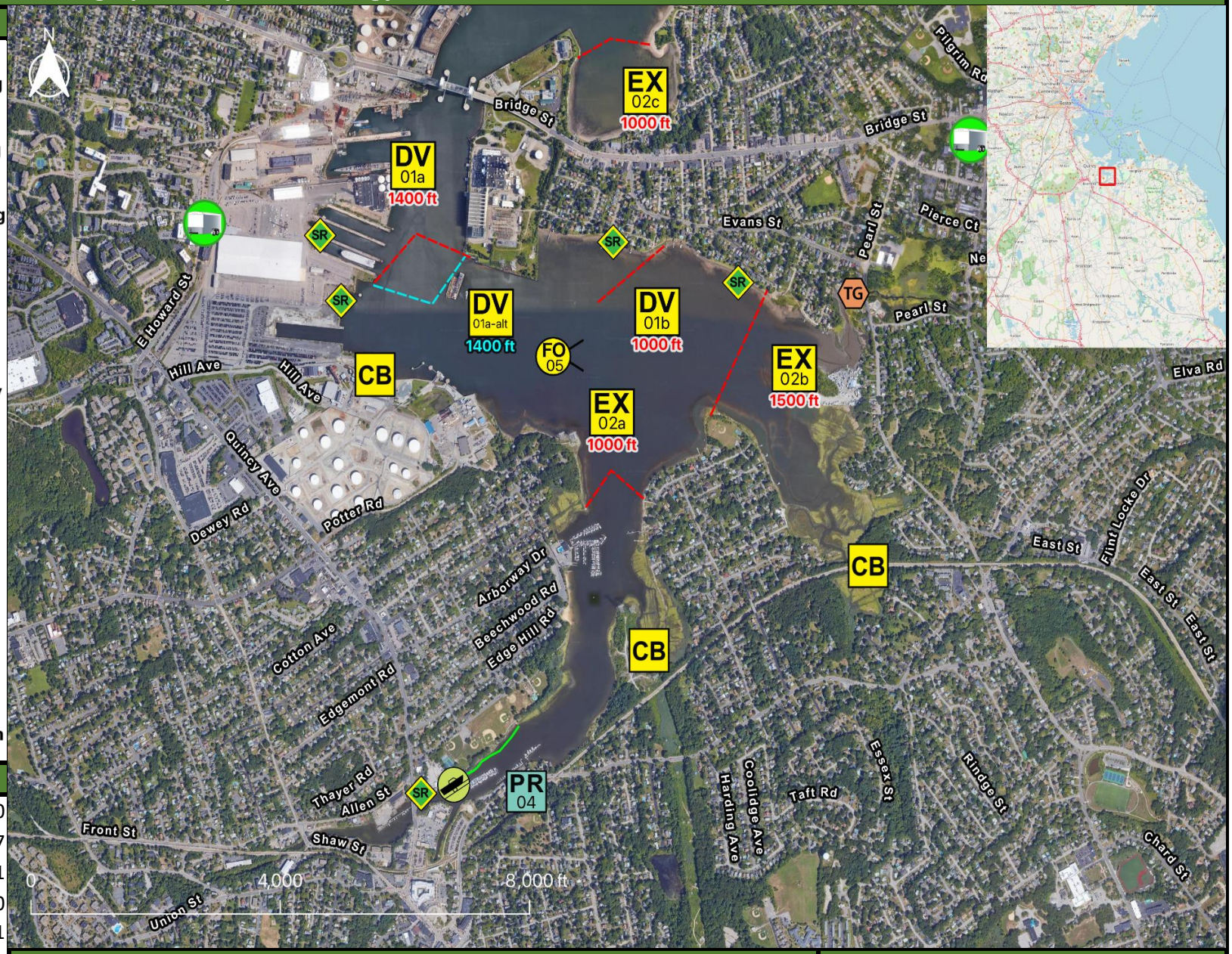
MassDEP Boston Harbor Geographic Response Strategy

Fore River BH10

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)	7300
Marine anchors	37
Shore anchors	11
Sorbent Boom(ft)	900
FO Recovery Sys	1
Shore Responders	2
Boat Responders	9
Boats	3

Version

2/15/2023

Response Trailer, Tactics Deployment, and Responder Safety Information

A total of **8** 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°13’59” N
Longitude:	70°57’36” W
NOAA Chart #	13270

Geographic Response Strategy					Fore River BH10
Tactic #	**Purpose**	**Response Equipment**		**Deployment Resources**	**Deployment Notes**
TG 	Tide Gates can act as an effective exclusion tactic during a spill to control the flow of oil into sensitive areas.	Coordinate with the local agency or organization that controls the tide gate, lock, or hurricane barrier to determine if the barrier could be closed to minimize spilled oil movement.			Consult with UC and appropriate local officials knowledgeable in the operation and limitations of tide gate. If needed, deploy hard boom or sorbent material around the entrance to the tide gate to ensure a proper seal. Tide gate system must be monitored throughout tidal cycle. See Special considerations for additional gate-specific information.
		N/A	**Testing Date**	**Tested**	
DV-01a 	Redirect spilled oil from one location or direction of travel to a specific site for recovery.	1400 ft protected water boom 7 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.
		10/31/2011	**Testing Date**	**Y Tested**	
DV-01a-alt 	Redirect spilled oil from one location or direction of travel to a specific site for recovery.	1400 ft protected water boom 7 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. Alternate deployment with tide - reset during slack.
			Testing Date	**N Tested**	
DV-01b 	Redirect spilled oil from one location or direction of travel to a specific site for recovery.	1000 ft protected water boom 5 marine anchor system 1 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	**N Tested**	
EX-02a 	Prohibit oil slicks from entering a sensitive area	1000 ft protected water boom 5 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.
			Testing Date	**N Tested**	
EX-02b 	Prohibit oil slicks from entering a sensitive area	1500 ft protected water boom 8 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.
			Testing Date	**N Tested**	
EX-02c 	Prohibit oil slicks from entering a sensitive area	1000 ft protected water boom 5 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
		05/24/16	**Testing Date**	**Y Tested**	
CB-03 	Prevent oil that has entered drainage systems from impacting waterways and sensitive areas	3 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**	**Tested**	
PR-04 	Remove spilled oil by collecting it in a sorbent material	900 ft sorbent boom 900 ft sorbent pom-poms 26 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**	**Tested**	
FO-05 	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**	**Tested**	
SR-06 	Remove spilled oil that has been diverted to a designated recovery site accessible from shore	5 skimming system 5 storage tank or bladder 5 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**	**Tested**	

Local contacts

Braintree Fire	781-843-3600
Braintree Yacht Club	781-843-9730
Citgo – Braintree	781-848-2595
City of Quincy – Public Works	617-376-1910
Dept of Conservation & Recreation Rangers (24 Hour)	617-722-1188
Mass. Dept of Environmental Protection (24 Hours)	888-304-1133
Quincy Fire (24 Hour)	617-376-1011
Quincy Police	617-479-1212
US Coast Guard (24 Hour)	617-223-5757
Weymouth Dept of Public Works	781-337-5100

Resources Protected

Marine Mammals	Harbor Porpoise, Harbor Seals
Fish	Anadromous, Finfish
Invertebrates	Lobster, crab, shrimp, shellfish
Birds	Shorebirds
Threat/End. Species	**None identified**
Cultural	**None identified**
Subsistence	**None identified**
Human Use	Beach, Marina, Boat Ramp, Recreational Fishing
Commercial Fishing	**None identified**
Land Management	**None identified**
Coastal Habitiat	Beach, Marsh/Swamp, Rocky, Riprap, Tidal Flats

The Cadman Conservation Area

Site of DV-01a, looking South towards the Citgo Facility

Special Considerations & Navigational Hazards

Contact local DPW to open/close tide gates. Vessel operators should have local knowledge.