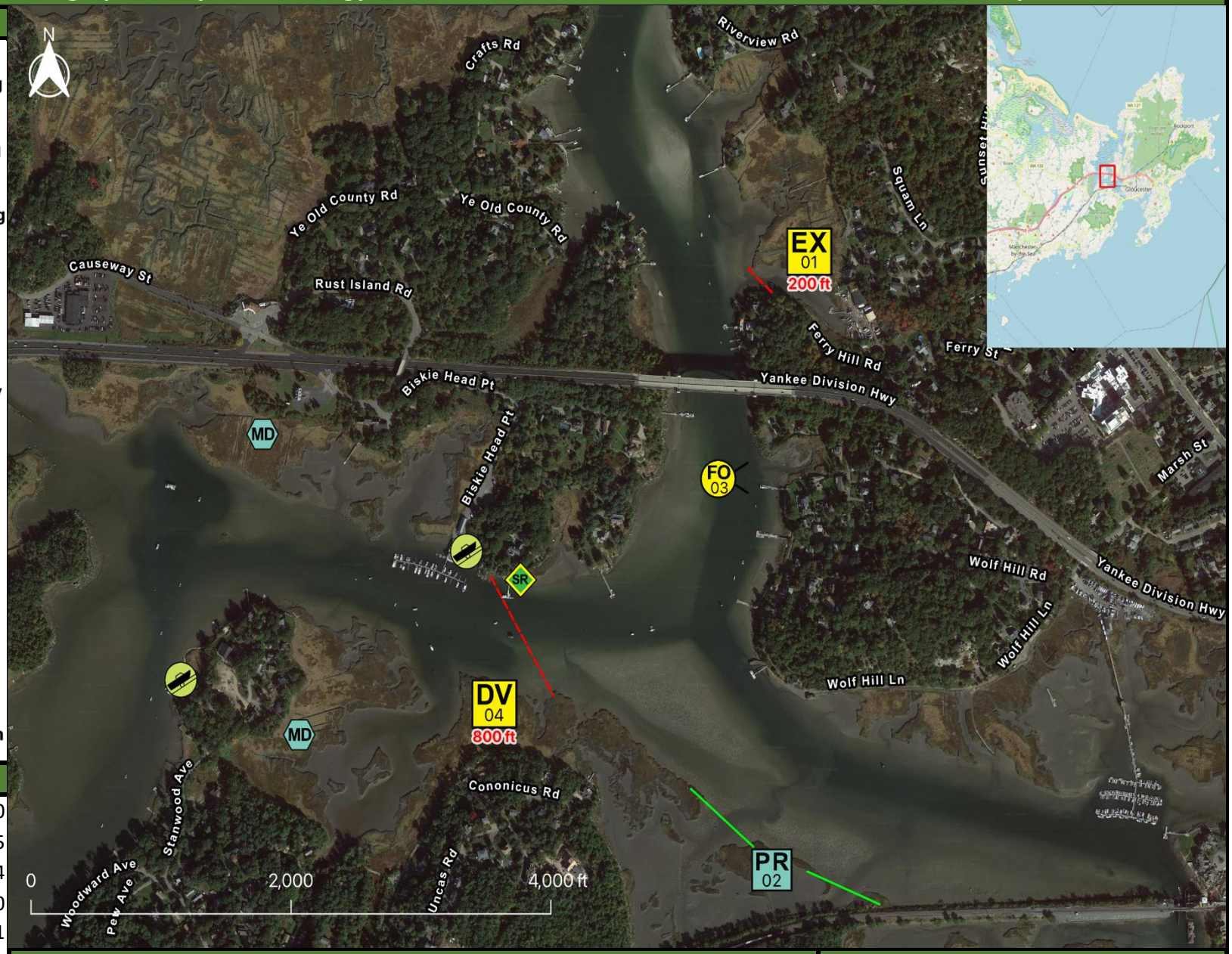
MassDEP North Shore Geographic Response Strategy

South Annisquam River NS17A

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)	1000
Marine anchors	5
Shore anchors	4
Sorbent Boom(ft)	900
FO Recovery Sys	1
Shore Responders	2
Boat Responders	3
Boats	2

Version

2/7/2024

Response Trailer, Tactics Deployment, and Responder Safety Information

A total of **1** 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°37’27” N
Longitude:	70°41’28” W
NOAA Chart #	13281

Geographic Response Strategy				South Annisquam River NS17A
Tactic #	**Purpose**	**Response Equipment**	**Deployment Resources**	**Deployment Notes**
EX-01 	Prohibit oil slicks from entering a sensitive area	200 ft protected water boom 1 marine anchor system 2 shoreline anchor system **Testing Date**	2 shore responders 1 response boats 3 boat responders N **Tested**	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.
PR-02 	Remove spilled oil by collecting it in a sorbent material	900 ft sorbent boom 900 ft sorbent pom-poms 26 anchor stakes N/A **Testing Date**	2 shore responders **Tested**	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.
FO-03 	Contain and recover spilled oil on the water in the offshore & nearshore environment	1 or more onwater skimming systems N/A **Testing Date**	**Tested**	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.
DV-04 	Redirect spilled oil from one location or direction of travel to a specific site for recovery.	800 ft protected water boom 4 marine anchor system 2 shoreline anchor system **Testing Date**	2 shore responders 1 response boats 3 boat responders N **Tested**	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.
SR-04 	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 N/A **Testing Date**	2 shore responders **Tested**	Set up shoreside recovery tactic at general location depicted on map. Some access points located at private residences. Access may be difficult.

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

Resources Protected

Marine Mammals	**None identified**
Fish	Finfish
Invertebrates	Shellfish, Urchins
Birds	**None identified**
Threat/End. Species	**None identified**
Cultural	**None identified**
Subsistence	**None identified**
Human Use	Beach, Boat, Ramp, Marina, Port/Harbor
Commercial Fishing	**None identified**
Land Management	**None identified**
Coastal Habitiat	Marsh, Tidal Flats, Rocky Shoreline

Entrance to Little River and site of DV-04 (09 April 2009 photo)

Marsh and marina north of train bridge at low tide looking east. Site of EX-01c (26 June 2009 photo)

Special Considerations & Navigational Hazards

Tide range 7-11 ft. Current exceeds 7 kts at drawbridge. Elsewhere max currents range from .5 to 3 kts. Vessel operators should have local knowledge.