

Tactics Legend

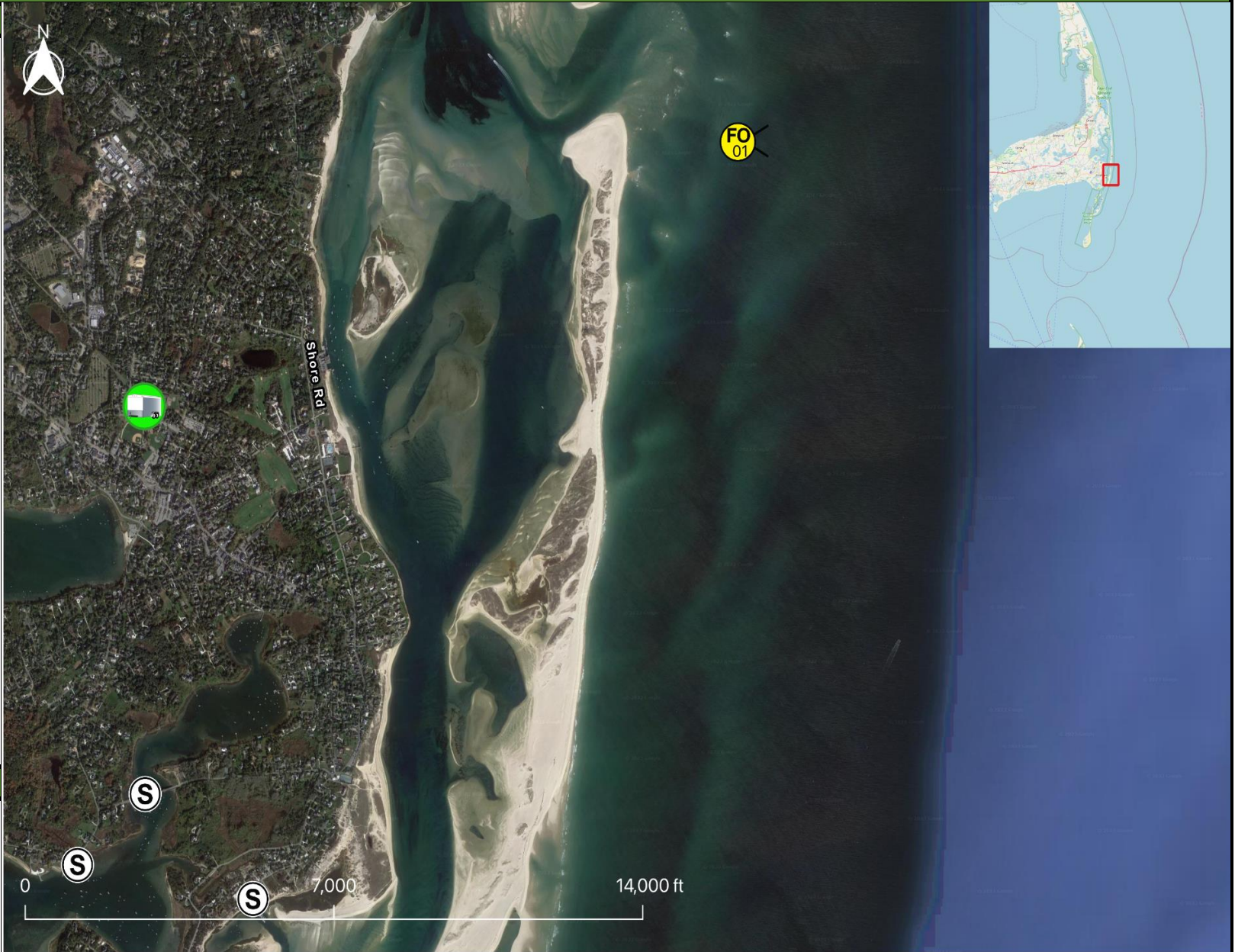
- DF** Deflection Booming
- DV** Diversion Booming
- EX** Exclusion Booming
- FO** Free Oil Recovery
- PR** Passive Recovery
- SR** Shoreside Recovery
- S** Staging Area
-  Boat Ramp
- BB** Beach Berm
- TG** Tide Gate
-  Protected-Water Boom
-  Open-Water Boom
-  Snare/ Sorbent Boom

Equipment - All Tactics

Boom(ft)	0
Marine anchors	0
Shore anchors	0
Sorbent Boom(ft)	0
FO Recovery Sys	1
Shore Responders	2
Boat Responders	2
Boats	2

Version

2/15/2023



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: 41°40'59" N
Longitude: 69°55'58" W
NOAA Chart # 13248-1

Geographic Response Strategy

Chatham CI10A

Tactic #	Purpose	Response Equipment	Deployment Resources	Deployment Notes
<p>FO-01</p> 	<p>Contain and recover spilled oil on the water in the offshore & nearshore environment</p>	<p>1 or more onwater skimming systems</p>		<p>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.</p>
		<p>N/A</p>	<p>Testing Date</p>	<p>Tested</p>

Local contacts

Chatham-Coastal Resources Dept.	(508) 945-5176
Chatham-Fire	(508) 945-2324
Chatham-Harbormaster	(508) 945 5185
Orleans-Fire	(508) 255-0050
Orleans-Shellfish & Harbormaster	(508) 240 3755
Harwich-Fire	(508) 432-2323
Harwich-Natural Resources	(508) 430-7532
Harwich-Shellfish	(508) 432-0800
Brewster-Fire	(508) 896-7018
Pleasant Bay Alliance	(508) 430-2563



Chatham Harbor Entrance looking east

Resources Protected

Marine Mammals	None identified
Fish	Shellfish, finfish
Invertebrates	None identified
Birds	Waterfowl concentration
Threat/End. Species	Piping Plovers (April 1 - August 31), Roseate Terns (foraging mid-July thru Sept 30)
Cultural	None identified
Subsistence	None identified
Human Use	Aquaculture, high-use recreational area
Commercial Fishing	None identified
Land Management	CCNS, NWR
Coastal Habitat	Marsh, sheltered tidal flats, barrier beach



Little Pleasant Bay looking northwest

Special Considerations & Navigational Hazards

Federal & State listed threatened wildlife may be present from March-August limiting site access especially near Long Point & along Cape Cod Bay beaches. Coordinate w/ CCNS USFWS & the Mass. Natural Heritage & Endangered Species Program. Use caution in sandy dunes during months when plovers are present. Nesting areas may include beaches, sand spits, foredunes, & washover areas in dunes. Consult w/ USFWS ASAP regarding shoreline collection areas & access plans. Use caution operating in nearshore areas when Roseate Terns are foraging. Vessel operators should have local knowledge. At DV-01 currents can exceed 3kt in the channel at both sites.

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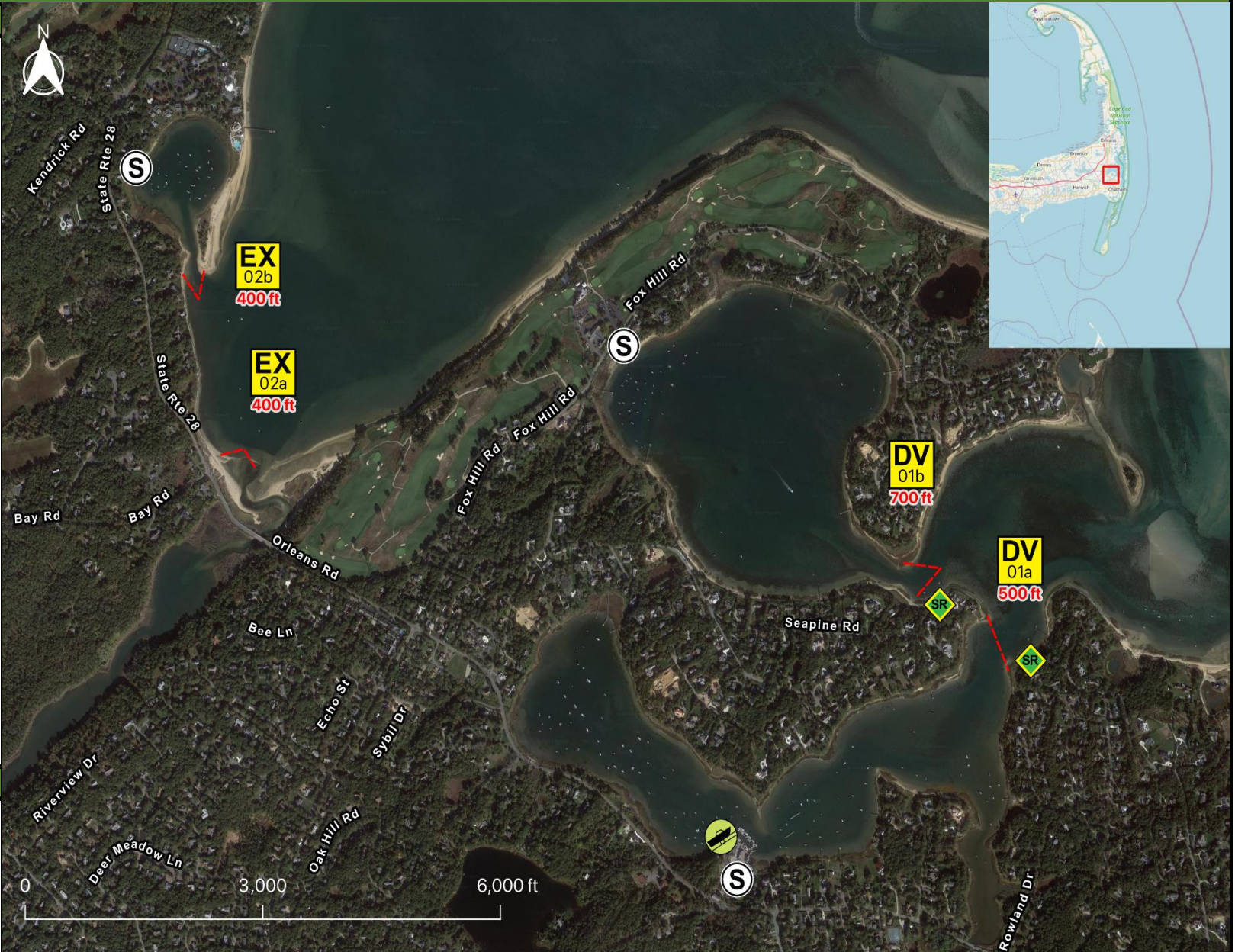
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-  Protected-Water Boom
-  Open-Water Boom
-  Snare/ Sorbent Boom

Equipment - All Tactics

Boom(ft)	2000
Marine anchors	9
Shore anchors	8
Sorbent Boom(ft)	0
FO Recovery Sys	1
Shore Responders	2
Boat Responders	3
Boats	2

Version

2/15/2023



Response Trailer, Tactics Deployment, and Responder Safety Information







A total of 2 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: 41°42'50" N
Longitude: 69°58'52" W
NOAA Chart # 13248-1

Geographic Response Strategy

Chatham CI10B

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.	500 ft protected water boom 2 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 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.
		N/A	Testing Date	
DV-01b 	Redirect spilled oil from one location or direction of travel to a specific site for recovery.	700 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 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.
		N/A	Testing Date	
EX-02a 	Prohibit oil slicks from entering a sensitive area	400 ft protected water boom 2 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. Readjust boom angle as needed to reduce entrainment
		N/A	Testing Date	
EX-02b 	Prohibit oil slicks from entering a sensitive area	400 ft protected water boom 2 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. Readjust boom angle as needed to reduce entrainment
		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

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Orleans-Shellfish & Harbormaster	(508) 240 3755
Harwich-Fire	(508) 432-2323
Harwich-Natural Resources	(508) 430-7532
Harwich-Shellfish	(508) 432-0800
Brewster-Fire	(508) 896-7018
Pleasant Bay Alliance	(508) 430-2563



Chatham Harbor Entrance looking east

Resources Protected

Marine Mammals	None identified
Fish	Shellfish, finfish
Invertebrates	None identified
Birds	Waterfowl concentration
Threat/End. Species	Piping Plovers (April 1 - August 31), Roseate Terns (foraging mid-July thru Sept 30)
Cultural	None identified
Subsistence	None identified
Human Use	Aquaculture, high-use recreational area
Commercial Fishing	None identified
Land Management	CCNS, NWR
Coastal Habitat	Marsh, sheltered tidal flats, barrier beach



Little Pleasant Bay looking northwest

Special Considerations & Navigational Hazards

Federal & State listed threatened wildlife may be present particularly from March-August limiting site access especially near Long Point & along Cape Cod Bay beaches. Coordinate w/ CCNS USFWS & the Mass. Natural Heritage & Endangered Species Program. Use caution in sandy dunes during months when plovers are present. Nesting areas may include beaches, sand spits, foredunes, & washover areas in dunes. Consult w/ USFWS ASAP regarding shoreline collection areas & access plans. Use caution operating in nearshore areas when Roseate Terns are foraging. Vessel operators should have local knowledge. At DV-01 currents can exceed 3kt in the channel at both sites.

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Equipment - All Tactics

Boom(ft)	1300
Marine anchors	6
Shore anchors	6
Sorbent Boom(ft)	0
FO Recovery Sys	1
Shore Responders	2
Boat Responders	3
Boats	2

Version

2/15/2023



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NOAA Chart # 13248-1

Geographic Response Strategy

Chatham CI10C

Tactic #	Purpose	Response Equipment	Deployment Resources	Deployment Notes
EX-01a 	Prohibit oil slicks from entering a sensitive area	400 ft protected water boom 2 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.
			Testing Date	
EX-01b 	Prohibit oil slicks from entering a sensitive area	400 ft protected water boom 2 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.
			Testing Date	
EX-01c 	Prohibit oil slicks from entering a sensitive area	500 ft protected water boom 2 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.
			Testing Date	
FO-02 	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	

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