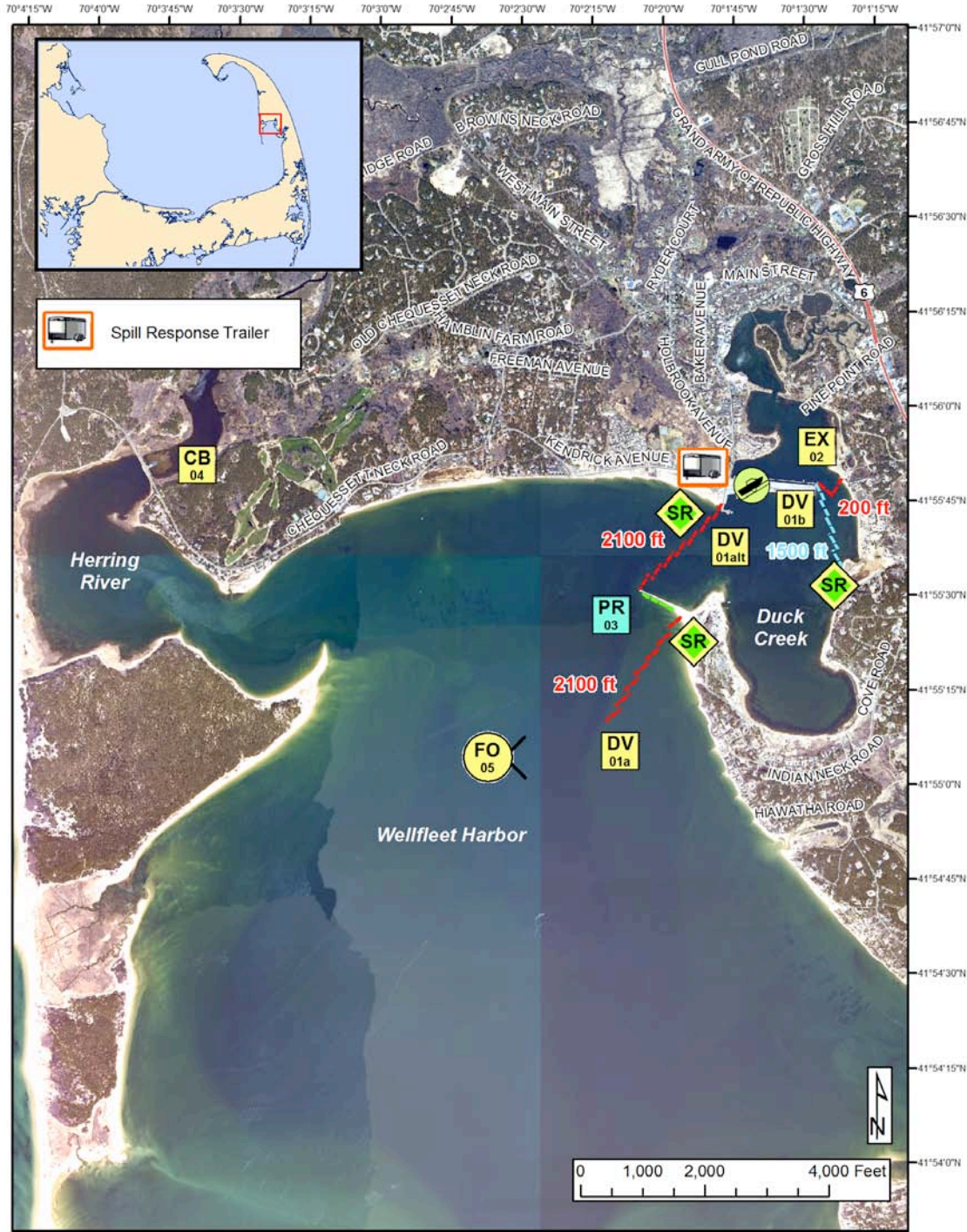




Cape and Islands Geographic Response Plan

Wellfleet Harbor CI-05








| Map Legend | | | |
|-----------------------------|------------------------------|--------------------------|-----------------------------------|
| BB Beach Berm | DF Deflection Booming | MD Mosquito Ditch | Protected-water Boom (Flood Tide) |
| CB Culvert Block | EX Exclusion Booming | U.S. Coast Guard Station | Protected-water Boom (Ebb Tide) |
| DV Diversion Booming | Shoreside Recovery | Boat Ramp | Snare or Sorbent Boom |
| PR Passive Recovery | FO Free-oil Recovery | Snare or Sorbent Boom | Beach Berm Material |

A total of 4 State Response Trailers are required to implement all of the tactics in this GRP. 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.





Cape and Islands Geographic Response Plan
Wellfleet Harbor CI-05






| ID | Location and Description | Response Strategy | Implementation |
|--|---|---|---|
| CI-05-01  | Wellfleet Harbor a. Lat. 41°55'26.5"N Lon. 70°01'57.6"W Alternate: Lat. 41°55'45.2"N Lon. 70°01'49.8"W b. Lat. 41°55'33.4"N Lon. 70°01'24.7"W | Divert and Collect - Shoreside Place and anchor sections of boom in a cascaded fashion to divert the oil to the identified shoreside collection locations. | Deploy anchors and boom with skiffs. For (a) place 7x 300ft. sections of 12 to 18" boom at the proper angle to divert incoming oil to the collection site at the base of the spit. For (alt) place 7 x 300ft. sections of 12 to 18" boom across the entrance to the harbor. Set up shoreside recovery on Shirttail Point and tend throughout the tide. For (b), on an ebbing tide with oil coming from the harbor place 5 x 300ft. sections to divert oil. |
| CI-05-02  | Wellfleet Harbor Lat. 41°55'46.2"N Lon. 70°01'24.9"W | Exclusion Exclude oil from entering or leaving Wellfleet Harbor. | Deploy anchors and boom with skiffs at high tide. Place 200ft of 16 to 18" boom in an array in a chevron pattern with the apex extending into the harbor if the oil is coming from within the harbor and extending out if the source is outside the harbor. Structures in the harbor may provide anchoring points for the boom. Tend throughout the tide. |
| CI-05-03  | Wellfleet Harbor Lat. 41°55'29.3"N Lon. 70°02'03.3"W | Passive Recovery Place passive recovery tactics to recover oil and prevent it from entering sensitive areas. Deploy at locations that are likely to be impacted and the booms can be adequately secured. | Place and anchor snare or sorbent boom along the jetty at the entrance to the harbor. Replace as necessary to maximize the recovery. |
| CI-05-04  | Herring River at Chequesset Neck Road Lat. 41°55'51.9"N Lon. 70°03'49.5"W | Culvert block Close off the water control structure on the Herring River at Chequesset Neck Road to prevent oil from being carried up the Herring River by a flood tide. | Consult with local public works to facilitate the closure of the flow into the Herring River under the Chequesset Neck Road. This will be executed on an ebb tide to prevent the migration of oil further up the river. Note that although it is preferable to block the culvert on the ebb tide, it is most important to implement as early as possible. Flow may be re-established as the tide changes. |
| CI-05-05  | Wellfleet Harbor Nearshore waters in the general area of: Lat. 41°55'23.8"N Lon. 70°02'16.0"W | Free-oil Recovery Maximize free-oil recovery in the offshore & nearshore environment of Wellfleet Harbor depending on spill location and trajectory. | Deploy free-oil recovery strike teams upwind and up current of the Wellfleet Harbor. Use aerial surveillance to locate incoming slicks. Ensure that responders have experience with on-water free-oil recovery. |





Cape and Islands Geographic Response Plan

Wellfleet Harbor CI-05

| ID | Response Resources | Staging Area Site Access | Resources Protected | Special Considerations |
|--|--|---|--|--|
| CI-05-01  | Deployment Equipment 3600 ft. 12 to 18" boom 34 anchor systems 4 anchor stakes 2 shoreside recovery systems Vessels 2 skiffs Personnel/Shift 6 total (1 vessel operator + 2 responders per vessel) Tending Vessels 1 skiff Personnel/Shift 4 total (1 vessel operator + 3 responders) | Harbor Boat Ramp and parking area Road access is available on each shore. (Rte 6 to Main St. to Holbrook Ave to Commercial St. and Kendrick Ave.) Coordinate with CCNS for vehicle access to the gut and Jeremy Point. Boat ramps may not be useable at low tide. Chart 13250-1 | Fish-shellfish, finfish Birds-waterfowl concentration Marine mammals- seals Habitat- marsh, sheltered tidal flats Human Use- Commercial boat harbor, aquaculture, high-use recreational area Land management – CCNS | Vessel master should have local knowledge. Entire site surveyed: 10/30/07. Federal and State listed threatened wildlife may be present, particularly from March through August, limiting site access, especially near Jeremy Point. Coordinate with CCNS, USFWS, and the Mass. Natural Heritage and Endangered Species Program. Tested: 05/26/10 (no changes to original plan) |
| CI-05-02  | Deployment Equipment 200 ft. 12 to 18" boom 3 anchor systems 2 anchor stakes Vessels/Personnel/Shift Same as CI-05-01 Tending Vessels/Personnel/Shift Same as CI-05-01 | Same as CI-05-01 | Same as CI-05-01 | Vessel master should have local knowledge. Tested: not yet |
| CI-05-03  | Deployment Equipment 800 ft. snare or sorbent boom 8 anchor stakes Vessels/Personnel/Shift Same as CI-05-01 Tending Vessels/Personnel/Shift Same as CI-05-01 | Same as CI-05-01 | Same as CI-05-01 | Use snare boom for persistent oils and sorbent boom for non-persistent oils. Passive recovery is preferred tactic for use on CCNS shoreline areas, if feasible. |
| CI-05-04  | Deployment Transport 1 truck Vessels/Personnel/Shift Same as CI-05-01 Tending Vessels/Personnel/Shift Same as CI-05-01 | Same as CI-05-01 | Same as CI-05-01 | Note that planning is underway for the restoration of tidal hydrology to the Herring River system; the current water control structure will be modified significantly as restoration proceeds. |
| CI-05-05  | Deploy multiple free-oil recovery strike teams as required to maximize interception of oil before it impacts sensitive areas. | Same as CI-05-01 | Same as CI-05-01 | Vessel master should have local knowledge. Use extreme caution, shoal waters with, rocks & continually shifting sand bars. Currents and winds are locally variable and can create dangerous operating environments. |





Site Photographs and Contact Information



Contact Information:

Wellfleet-Fire: (508) 349-3702

Wellfleet-Harbormaster & Marina:
(508) 349 0320

Wellfleet-Shellfish Department:
(508) 349-0325

NPS/Cape Cod Nat'l Seashore:
(617) 242-5659 (24 hr.)

USFWS: (413) 539-3194

Wellfleet inner harbor, jetty and pier looking northeast.



Wellfleet Harbor pier and mooring fields looking north.



Wellfleet Harbor pier looking southwest (bottom left) and Wellfleet Harbor jetty looking north (bottom right).

