






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	SR Shoreside Recovery	Boat Ramp	Beach Berm Material
PR Passive Recovery	FO Free-oil Recovery	Snare or Sorbent Boom	

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.










ID	Location and Description	Response Strategy	Implementation
BB-07-01 	Apponagansett Bay Ricketsons Point – Lat. 41°34'44"N Lon. 70°56'11"W Smith Neck – Lat. 41°34'53"N Lon. 70°57'00"W	Exclusion Set shallow angled chevron across mid-section of harbor to exclude oil from entering sensitive areas.	Set two 1000 ft lengths of boom in a shallow chevron configuration as shown in diagram. Place absorbent material at shoreline anchor points to minimize leakage. <i>Note: additional backup strategies not shown in diagram include setting diversion boom on the north or south side of the Padanaram Bridge and setting exclusion boom across marina complex on northeast side of harbor.</i>
BB-07-02 	Apponagansett Bay Lat. 41°34'27"N Lon. 70°56'50"W	Divert and Collect - Shoreside with Exclusion Set boom from private dock on west side of harbor to divert oil to collection site.	Deploy anchors and boom with skiffs. Set 1200 ft of 18" boom in a SE direction from dock on west side of harbor entrance. Set anchors at 200 ft intervals. Line of boom will have slight angle to prevailing SW wind and should divert oil to west side attachment point. Set up shoreside recovery on west side. Tend throughout the tide.
BB-07-03 	Apponagansett Bay Smith Neck Lat. 41°34'53"N Lon. 70°57'00"W	Culvert Blocking Combination of culvert plugs and sediment dikes to close off inlets to marshes and coastal ponds.	Place pre-made culvert boards in box culvert. Use a culvert plug to control water flow through the pipe.
BB-07-04 	Apponagansett Bay a) Lat. 41°34'44"N Lon. 70°56'11"W b) Lat. 41°35'06"N Lon. 70°57'01"W	Beach Berm Build beach berms or use exclusion boom.	Build berms to exclude oil. Use local beach and inter-tidal bar sediments. If the berms are expected to remain in place for more than a few days, place 20" x 12" pipes in the channel and build the berms on top of the pipes. Use culvert plugs to control water flow through the pipe.
BB-07-05 	Apponagansett Bay Nearshore waters in the general area of: Lat. 41°33'30"N Lon. 70°55'00"W	Free-oil Recovery Maximize free-oil recovery in the offshore & nearshore environment of entrance to Apponagansett Bay depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of the Harbor. Use aerial surveillance to locate incoming slicks.





Buzzards Bay Geographic Response Plan
Apponagansett Bay BB-07



ID	Response Resources	Staging Area Site Access	Resources Protected	Special Considerations
BB-07-01 	Deployment Equipment 2000 ft. 18" protected-water boom 9 anchor sets 2 anchor stakes 1 shoreside recovery system Vessels 2 skiffs Personnel/Shift 8 total (1 vessel operator + 1 responder per vessel, 4 shoreside responders) Tending <i>Same as Deployment tactics</i>	Staging Area: Town DPW, 976 Russells Mills Rd.; Faunce Corner Rd to Chase Rd to Russells Mills Rd. Site Access: Russells Mills Rd to Gulf Rd to Smith Neck Rd to Beach Ave. Chart 13232-1	Fish-shellfish, finfish. Birds-waterfowl concentration. Habitat-large inner bay at head of harbor, marsh, eel grass beds, sand and cobble beaches, shoreline armament. Human use- large mooring field (app. 1200 boats), several private docks, boat yard and yacht club, private and town owned beaches.	Vessel master should have local knowledge. Maximum estimated current. .5 kts. Moored vessels may need to be moved. Site surveyed: 01/15/08. Tested: not yet.
BB-07-02 	Deployment Equipment 1200 ft. 18" protected-water boom 6 anchor sets 1 anchor stakes 600 ft. snare or sorbent boom Vessels 2 skiffs Personnel/Shift 6 total (1 vessel operator + 1 responder per vessel, 2 shoreside responders) Tending Vessels <i>Same as Deployment tactics</i>	Same as BB-07-01.	Same as BB-07-01.	Same as BB-07-01.
BB-07-03 	Deployment Equipment 1 culvert plug or boards (to be pre-built by town) Personnel/Shift 2 shoreside responders	Staging Area: Same as BB-07-01. Site Access: Russells Mills Rd to Gulf Rd to either Smith Neck Rd or Elm St. Chart 13232-1	Fish-shellfish, finfish. Birds-waterfowl concentration. Habitat-marsh and coastal ponds.	Minimal current. Coordinate with DPW. Monitor for incoming oil. Emergency permit from DEP required. Site surveyed: 01/15/08. Tested: not yet.
BB-07-04 	Deployment Equipment/Vehicle (per site) Local beach material 1 pipe (20' x 12") 1 culvert plug 24 sand bags 2 spade shovels 1 air pump 1 tractor with front end loader Personnel/Shift 2 shoreside responders	Same as BB-07-03.	Same as BB-07-03.	Minimal current. Coordinate with DPW. Monitor for incoming oil. Emergency permit from DEP required.
BB-07-05 	Deploy multiple free-oil recovery strike teams as required to maximize interception of oil before it impacts sensitive areas.	Vessel Platform Via marine waters. Chart 13232-1	Same as BB-07-01.	Same as BB-07-01.





Site Photographs and Contact Information



West side of bay (looking north) at low tide on 29 May 2004. RPI photo.



Western shoreline of Apponagansett Bay on 30 May 2004. View looks north. RPI photo.

Contact Information:

Mike O'Reilly, Environmental Affairs
Coordinator: (508) 910-1822

Steve Mello, Harbor Master: (508) 999-0759

Massachusetts Department of Fish and
Wildlife: (508) 792-7270

The Coalition for Buzzards Bay:
(508) 999-6363



Apponagansett Bay collection site on 15 January 2008. View looks south.

