

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
-  Kayak Ramp
- +++** Railroad
-  Protected-Water Boom
-  Protected-Water Boom (Ebb Tide)
-  Snare/ Sorbent Boom



Equipment - All Tactics

Boom(ft)	150
Boom Skirt (in)	6
Marine anchors	2
Shore anchors	2
Sorbent Boom(ft)	0
FO Recovery Sys	0
Shore Responders	4
Boat Responders	N/A
Boats	N/A

Version
12/5/2024



Tactics Deployment, Responder Safety, and GRP Data Information

Always consider on-scene conditions before deploying GRP tactics. Responder safety should always be the priority.
Vessel Requirements: Utilize inflatable vessel capable of operating in river depth conditions less than 5 feet. Narrow boat launch available at this location.

Location Information

Latitude: 40.56013200747683
Longitude: -75.98903603510284
State: Pennsylvania

Park

Tactic #	Purpose	Response Equipment	Deployment Resources	Deployment Notes
DV-01 	Redirect spilled oil from one location or direction of travel to a specific site for recovery.	150 ft protected water boom 2 marine anchor system 2 shoreline anchor system	4 shore responders 2 responders	Anchor Type: Danforth 14, Shoreline anchor points Strategy: Deploy boom as depicted to divert incoming oil to the collection site. Deploy shoreside anchor first. Single anchor system (rebar or U-posts) along shoreline with standard deployment into riverbed. Utilize 6" skirt boom due to shallow water depth for 150'. Anchor every 100' section on either end. Anchor shore side recovery skirt boom every 100'. Adjust configuration as necessary to reduce entrainment.
		N/A	Testing Date	
SR-01 	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	2 shore responders	Strategy: Set up shoreside recovery tactic at general location depicted on map. Parking lot in Park area may be suitable for storage tank and equipment storage. Consideration for trailer/vehicle parking and tanker truck traffic is required.
		N/A	Testing Date	

Control Point Information

NRC Hotline: 800-424-8802

Address to Boat Launch:
 211 N. 2nd Street, Hamburg, PA 19526

Protection Description: The strategy for this location is to anchor a boom along shoreline (tree) to capture oil in slack areas. Staging area for all protection strategies available as boat ramp large enough to deploy assets.

Resources Protected

Fish	Catfish, Perch, Sunfish, Carp, and Bass
Birds	Duck, Goose, Woodpecker, Hummingbird, Swallow, Jay, Robin, and various other species
Threat/End. Species	Monarch butterfly, Tricolored bat, Little brown bat, Bald Eagle, Indiana bat, Northern long-eared bat, and Bog Turtle. No critical habitats found.
Cultural/Historical Resources	No available data
Human Use	Boat Ramp, Conservation Area, Infrastructure, Groundwater Source, Recreation
Land Management	Borough of Hamburg Department of Recreation
Riverine	Silty mud/gravel riverbed with gently sloped banks consisting of loose vegetation.



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 GPS coordinate location for control point boat launch. Access point near 2nd Street



Narrow boat launch located directly next to State Highway 78. Boat launches into rocky waters.



Narrow point under bridge of Interstate 78 that could be a potential area for boom deployment. Located next to boat launch area.

Navigational Hazards

Lake and river conditions such as flow rate and flood stage vary depending on the time of year and heavy rain or snowfall. If ice is present GRP tactics and strategies must be reevaluated. Vessel operators should have local knowledge and experience operating in riverine environments.

Special Considerations

Survey site prior to deployment and modify deployment tactics and techniques as appropriate based on observed river conditions. Upriver dam events (Blue Marsh Creek or Kernsville) may impact river conditions (overall flow and/or current velocity). Discussions with other organizations regarding scheduled dam events may be warranted in a deployment response.