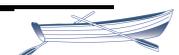


Boat Ramp	Deflection Booming	Shoreside Recovery	Staging Area
Culvert Block	Diversion Booming	Protected-water Boom	Railroad
Dam	Exclusion Booming	Culturally Significant Areas	Penobscot Nation Lands

2,150 ft. of boom and associated equipment 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.

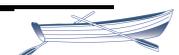




Penobscot River Geographic Response Plan
Brown Islands PR-01



ID	Location and Description	Response Strategy	Implementation
<p>PR-01-01</p> 	<p>Winn Winn Public Boat Ramp Lat. 45° 28.123'N Lon. 68° 23.551'W</p>	<p>Divert and Collect – Shoreside Position boom in the identified configuration to intercept oil before it migrates further downriver and divert oil to riverbank for recovery.</p> <p>Consider source location and river flow patterns when selecting tactics and deployment strategies.</p> <p>Adjust the angle and length of boom depending on oil trajectory, river flow rate, and wind.</p>	<p>Deploy 400 ft. of 12” – 18” boom in a cascade array (2-200 ft sections) at the proper angle to divert incoming oil to the collection site. Set up shoreside recovery systems. Deploy passive recovery using sorbents at collection point to minimize leakage. Adjust the angle and length of boom and the shoreside collection site depending on oil trajectory.</p> <p>When implementing the Diversion tactic, responders must ensure that skimming systems and temporary oil storage devices are available to implement the shoreside recovery tactic.</p> <p>Tend as necessary based on river flow conditions.</p>
<p>PR-01-02</p> 	<p>Brown Islands (a) N. Chester Rd. Lat. 45° 28.726'N Lon. 68° 23.156'W (b) Brown Islands Channel Lat. 45° 28.399'N Lon. 68° 23.355'W</p>	<p>Deflection Deflect oil away from Brown Islands and toward eastern shore and DV-01 site at public boat launch.</p> <p>Adjust the angle and length of boom depending on oil trajectory, river flow rate, and wind.</p>	<p>For (a) deploy 1,500 ft section of 12” – 18” boom in a cascade array (5-300 ft sections), anchored at the shoreline, to deflect oil away from Brown Islands and toward eastern shore and DV-01 site at public boat launch.</p> <p>For (b) deploy 250 ft section of 12” – 18” boom, anchored at the shoreline, to deflect oil away from Brown Islands and toward eastern shore and DV-01 site at public boat launch.</p> <p>Tend as necessary based on river flow conditions.</p>
<p>PR-01</p> 	<p>Same as PR-01-01</p>	<p>Shoreside Recovery - Remove spilled oil that has been diverted to the designated recovery site accessible from shore.</p>	<p>Deploy skimming system(s) appropriate for the operating environment and temporary oil storage system in designated location.</p> <p>Oil spill contractor resources will be required to implement Shoreside Recovery tactics.</p>

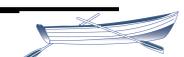




Penobscot River Geographic Response Plan
Brown Islands PR-01



ID	Response Resources	Staging Area Site Access	Resources Protected	Special Considerations
<p>PR-01-01</p> 	<p>Deployment <i>Equipment (All sites)</i> 400 ft 12” – 18” boom 2 anchor systems 4 anchor stakes (doubled at each shoreside anchor point) 1 shoreside recovery systems <i>Vessels</i> 1 skiff <i>Personnel/Shift</i> 4 total (1 vessel operator + 1 responder per vessel, 2 shoreside responders)</p>	<p>Winn Boat ramp- 482 Military Rd., Winn, ME.</p>	<p>Fish-Wild Brook Trout</p> <p>Threatened/Endangered Species-Habitat of Special Concern, Threatened Species Habitat</p> <p>Cultural- Historical/Archaeological Sites, Native American Tribal Lands</p> <p>Habitat- Sand & Gravel Aquifers, Wetlands,</p> <p>Human use- Boat Ramp</p>	<p>River conditions including flow rate and water depth vary depending on time of year and heavy rain and/or snowfall. Survey site prior to deployment and modify deployment tactics and techniques as appropriate based on observed river conditions. If ice is present GRP tactics and strategies must be reevaluated.</p> <p>Vessel operators should have local knowledge and experience operating in riverine environments.</p> <p>Site surveyed: 04/13/16.</p> <p>Field tested: not yet.</p>
<p>PR-01-02</p> 	<p>Deployment <i>Equipment (All sites)</i> 1,750 ft 12” – 18” boom 12 anchor systems 6 anchor stakes (doubled at each shoreside anchor point) <i>Vessels</i> 2 skiffs <i>Personnel/Shift</i> 8 total (1 vessel operator + 1 responder per vessel, 4 shoreside responders) Tending <i>Vessels</i> 1 skiff <i>Personnel/Shift</i> 4 total (1 vessel operator + 1 responder per vessel, 2 shoreside responders)</p>	<p>Same as PR-01-01</p>	<p>Same as PR-01-01</p>	<p>Same as PR-01-01</p>
<p>PR-01</p> 	<p>Deployment <i>Equipment (All sites)</i> 1 shoreside recovery system <i>Vehicles</i> 1 truck or truck with trailer <i>Personnel/Shift*</i> 2-5 shoreside responders (depending on recovery system and hours of operation)</p>	<p>Same as PR-01-01</p>	<p>Same as PR-01-01</p>	<p>Same as PR-01-01</p>





Site Photographs and Contact Information



Boat ramp in Winn, ME. Site of DV-01 (left side of photo/upriver).



View from the northeast of the location for the DF-02b strategy.



Shore anchor point for north portion of DF-02a.



View from south end of DF-02a.

Contact Information:

- Mattawamkeag Fire Department: 207-736-2464
- Mattawamkeag Emergency Management: 207-736-2931
- Maine DEP (Oil Spill): 800-482-0777
- Maine DEP (HazMat Spill): 800-452-4664
- Maine Dept of Inland Fisheries & Wildlife (Bangor): 800-432-7381
- Maine Dept. of Marine Resources: 207-941-4449
- Maine Drinking Water Program: 207-557-4214
- Maine Historic Preservation Commission: 207-287-2132
- Penobscot River Restoration Trust: 207-430-0114
- Penobscot Nation Water Resource Manager: 207-356-5168
- National Response Center: 800-424-8802

If oil or hazardous material spills threaten or occur at or near Penobscot Nation lands, contact the Penobscot Nation Dispatch at (207) 817-7358

Kennebec and Penobscot River GRPs have been incorporated into EPA Region One's Inland Area Contingency Plan (ACP) and is available at the following website: https://nrtqa.ert.org/site/doc_list.aspx?site_id=38 or accessed via QR reader-enabled smartphones by scanning the QR code at right.

