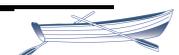
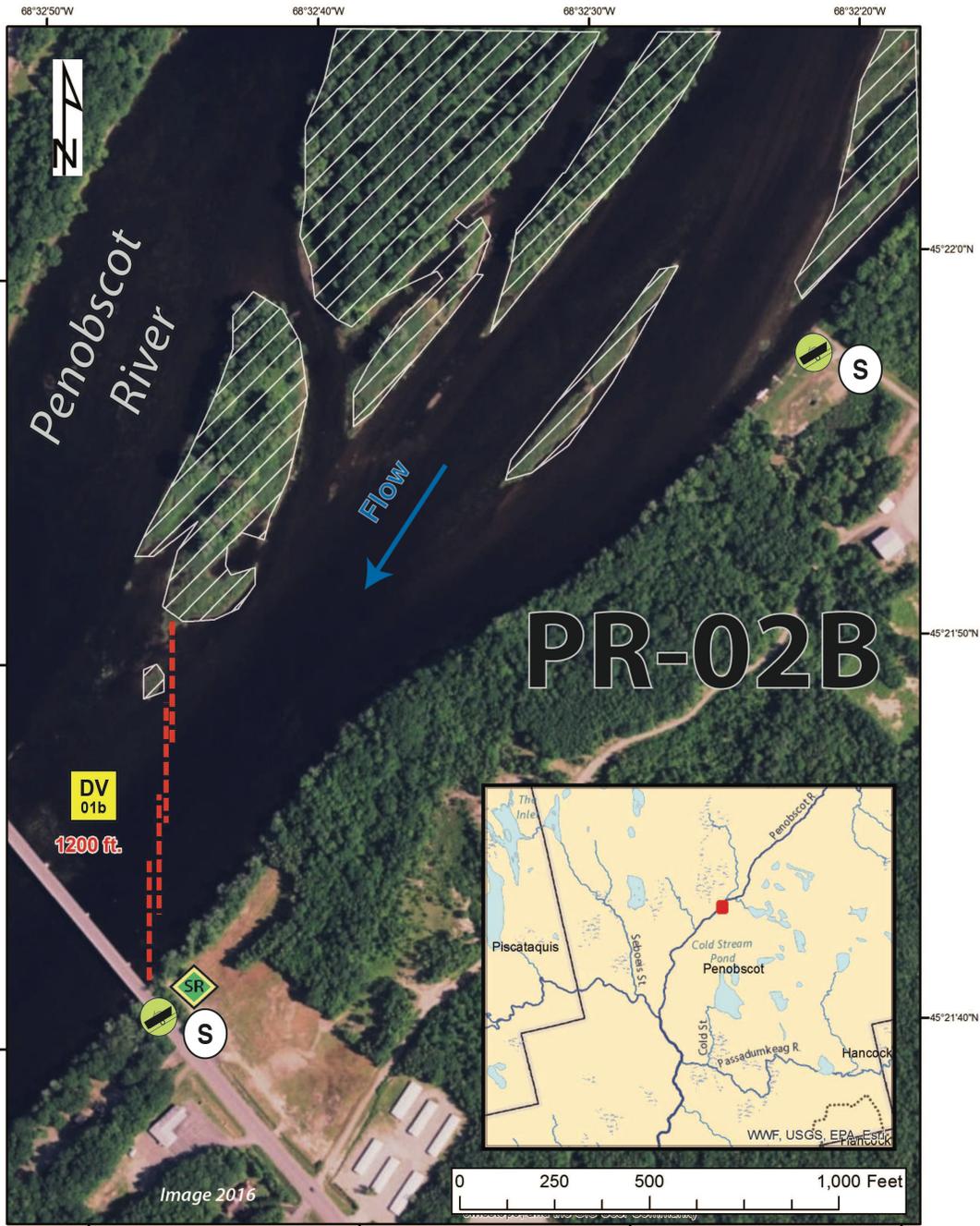


<b>LEGEND</b>	Boat Ramp	DF Deflection Booming	SR Shoreside Recovery	S Staging Area
	CB Culvert Block	DV Diversion Booming	Protected-water Boom	Railroad
	DAM Dam	EX Exclusion Booming	Culturally Significant Areas	Penobscot Nation Lands

3,450 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.





<b>LEGEND</b>	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

3,450 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.

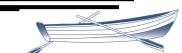




**Penobscot River Geographic Response Plan**  
 Mattanawcook/Chokecherry Islands PR-02



ID	Location and Description	Response Strategy	Implementation
<b>PR-02-01</b>  	<b>Mattanawcook/Chokecherry Islands</b> (a) Mattanawcook Stream Lat. 45° 22.545'N Lon. 68° 30.730'W  (b) River Rd. Boat Access Lat. 45° 21.813'N Lon. 68° 32.765'W	<b>Divert and Collect – Shoreside</b> Position boom in the identified configuration to intercept oil before it migrates further downriver and divert oil to riverbank for recovery.  Consider source location and river flow patterns when selecting tactics and deployment strategies.  Adjust the angle and length of boom depending on oil trajectory, river flow rate, and wind.	For (a) deploy 600 ft. of 12” – 18” boom in a cascade array (2-300 ft sections) at the proper angle to divert incoming oil to the collection site.  For (b) deploy 1,200 ft. of 12” – 18” boom in a cascade array (4-300 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.  When implementing the Diversion tactic, responders must ensure that skimming systems and temporary oil storage devices are available to implement the shoreside recovery tactic.  Tend as necessary based on river flow conditions.
<b>PR-02-02</b>  	<b>Mattanawcook/Chokecherry Islands</b> Little Island Lat. 45° 23.072'N Lon. 68° 30.266'W	<b>Deflection</b> Deflect oil away from islands and toward eastern shore and DV-01 site at public boat launch  Adjust the angle and length of boom depending on oil trajectory, river flow rate and wind.	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 islands and toward eastern shore and DV-01a and DV-01b sites for oil recovery.  Tend as necessary based on river flow conditions.
<b>PR-02-03</b>  	<b>Lincoln</b> Mattanawcook Stream Lat. 45° 22.532'N Lon. 68° 30.706'W	<b>Exclusion</b> Set boom across entrances to creeks, inlets, coves and near water treatment facilities to prevent oil from migrating into sensitive areas and critical infrastructure.  Adjust the angle and length of boom depending on oil trajectory, river flow rate, and wind.	Deploy 150 ft of 12” – 18” boom in the identified pattern to prevent oil from entering the Penobscot River from Mattanawcook Stream/Mill Pond (potential spill sources include Lincoln Paper & Tissue plant and rail line; both in close proximity to Mattanawcook Stream).  Secure with anchor stakes on shore and anchors in midstream. Deploy passive recovery using sorbents at attachment points to minimize leakage.  Tend as necessary based on river flow conditions.
<b>PR-02</b>  	Same as PR-02-01	<b>Shoreside Recovery -</b> Remove spilled oil that has been diverted to the designated recovery site accessible from shore.	Deploy skimming system(s) appropriate for the operating environment and temporary oil storage system in designated location.  Oil spill contractor resources will be required to implement Shoreside Recovery tactics.

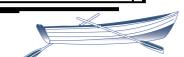




**Penobscot River Geographic Response Plan**  
Mattanawcook/Chokecherry Islands PR-02



ID	Response Resources	Staging Area Site Access	Resources Protected	Special Considerations
<p>PR-02-01</p> <p></p>	<p><b>Deployment</b> <i>Equipment (All sites)</i> 1,800 ft 12” – 18” boom 8 anchor systems 8 anchor stakes (doubled at each shoreside anchor point) 2 shoreside recovery systems <i>Vessels</i> 2 skiffs <i>Personnel/Shift</i> 8 total (1 vessel operator + 1 responder per vessel, 2 shoreside responders) <i>Tending</i> <i>Vessels</i> 1 skiff <i>Personnel/Shift</i> 4 total (1 vessel operator + 1 responder per vessel, 2 shoreside responders)</p>	<p><b>River Rd. Boat Access-</b> 186 River Rd., Lincoln, ME.</p> <p><b>Lincoln Regional Airport</b> – Airport Rd., Lincoln, ME. (airport access area along eastern shore of river).</p> <p><b>Lincoln Paper &amp; Tissue</b> – Facility access road near Mattanawcook Stream and Penobscot River.</p>	<p><b>Birds-</b>Inland Wading Birds &amp; Waterfowl Habitat</p> <p><b>Threatened/Endangered Species-</b>Habitat of Special Concern, Threatened Species Habitat</p> <p><b>Cultural-</b> Historical/Archaeological Sites, Native American Tribal Lands</p> <p><b>Habitat-</b> Sand &amp; Gravel Aquifers, Wetlands,</p> <p><b>Human use-</b> 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><b>Field tested: not yet.</b></p>
<p>PR-02-02</p> <p></p>	<p><b>Deployment</b> <i>Equipment (All sites)</i> 1500 ft 12” – 18” boom 9 anchor systems 2 anchor stakes (doubled at each shoreside anchor point) <i>Vessels</i> Same as PR-02-01 <i>Personnel/Shift</i> Same as PR-02-01 <i>Tending</i> <i>Vessels</i> Same as PR-02-01 <i>Personnel/Shift</i> Same as PR-02-01</p>	<p>Same as PR-02-01</p>	<p>Same as PR-02-01</p>	<p>Same as PR-02-01</p>
<p>PR-02-03</p> <p></p>	<p><b>Deployment</b> <i>Equipment (All sites)</i> 150 ft 12” – 18” boom 1 anchor systems 4 anchor stakes (doubled at each shoreside anchor point) 300 ft of snare or sorbent boom <i>Vessels/Personnel</i> Same as PR-02-01.</p>	<p>Same as PR-02-01</p>	<p>Same as PR-02-01</p>	<p>Same as PR-02-01</p>
<p>PR-02</p> <p></p>	<p><b>Deployment</b> <i>Equipment (All sites)</i> 2 shoreside recovery system <i>Vehicles</i> 2 trucks or trucks with trailers <i>Personnel/Shift*</i> 2-5 shoreside responders (depending on recovery system and hours of operation)</p>	<p>Same as PR-02-01</p>	<p>Same as PR-02-01</p>	<p>Same as PR-02-01</p>





Site Photographs and Contact Information



View of DF-02 from east of Little Island.



View upriver from boat ramp near River Road bridge at DV-01b.



Staging area at Lincoln Regional Airport.



View of boat ramp at Route 116 (DV-01b).

**Contact Information:**

- Lincoln Fire Department: 207-794-8161
- Lincoln Water/Sewer Department: 207-794-6656
- Lincoln Emergency Management: 207-794-8455
- Chester Emergency Management: 207-794-0052
- 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](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.

