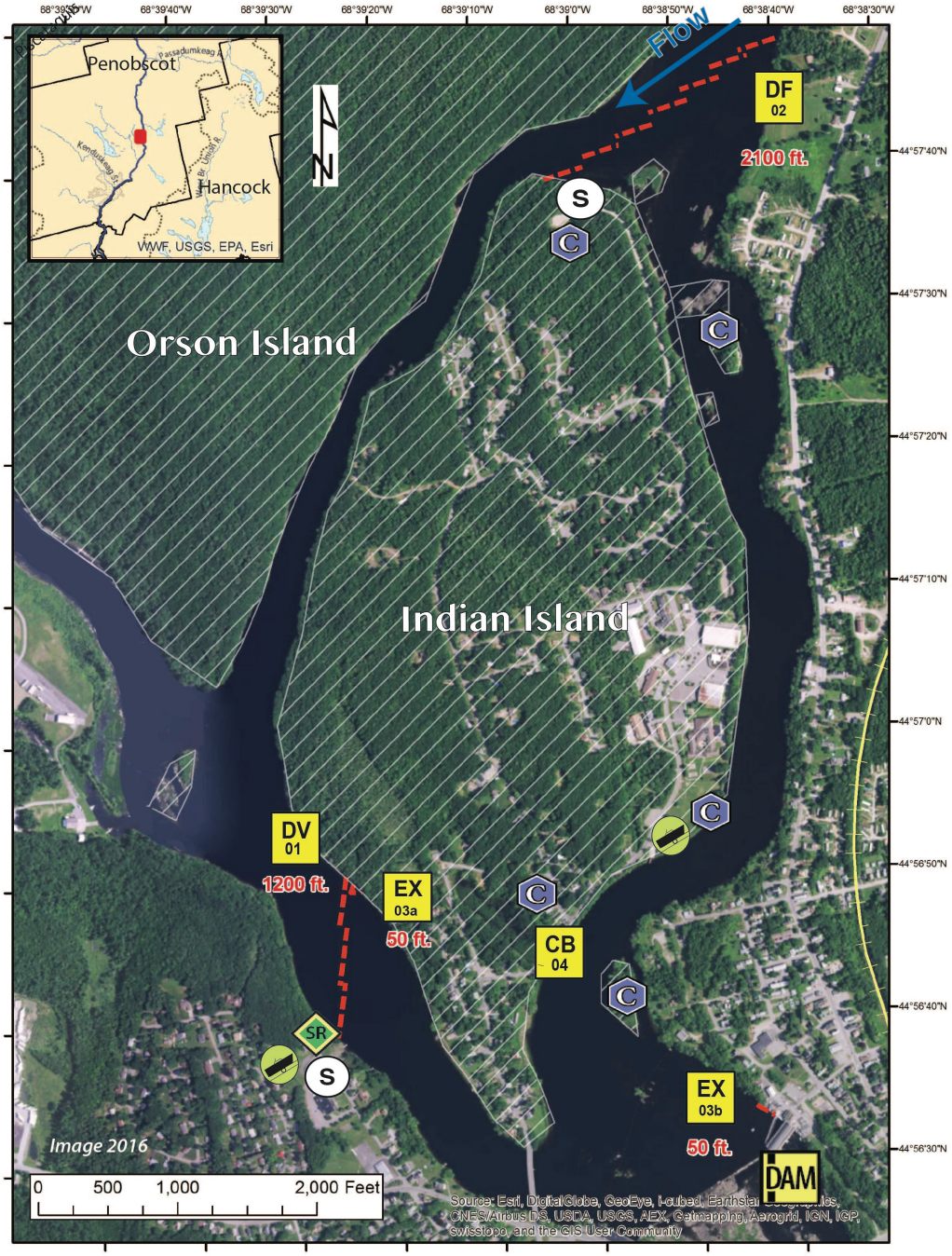

LEGEND

- 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
- C 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.

ID	Location and Description	Response Strategy	Implementation
PR-04-01 DV	**Old Town** Old Town Boat Launch Lat. 44° 56.759'N Lon. 68° 39.414'W	**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. 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.	Deploy 1,200 ft. of 12" – 18" boom in a in a cascade array (6-300 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.
PR-04-02 DF	**Milford** North Indian Island Lat. 44° 57.721'N Lon. 68° 38.854'W	**Deflection** Deflect oil away from east side of Indian Island and toward western branch of river and DV-01 at Old Town Boat Ramp. Adjust the angle and length of boom depending on oil trajectory, river flow rate, and wind.	Deploy 2,100 ft section of 12" – 18" boom in a cascade array (7-300 ft sections) at the proper angle, anchored at the shoreline, to deflect oil away from east side of Indian Island and toward western branch of river and DV-01 at Old Town Boat Ramp. Tend as necessary based on river flow conditions.

PR-04-03
EX
	Milford/Indian Island
	(a) Indian Island Footbridge
	Lat. 44° 56.829'N
	Lon. 68° 39.399'W
	(b) Milford Dam Fishway
	Lat. 44° 56.551'N
	Lon. 68° 38.728'W
		Exclusion
		Set boom across entrances to creeks, inlets, coves, and near water treatment facilities to prevent oil from migrating into sensitive areas and critical infrastructure.
			For (a) deploy 50 ft of 12" – 18" boom in the identified pattern to prevent oil from entering the stream on west side of Indian Island.
			
			For (b) deploy 50 ft of 12" – 18" boom in the identified pattern to prevent oil from entering the fishway located on eastern side of dam.
			
			Secure with anchor stakes on shore and anchors in river. Deploy passive recovery using sorbents at attachment points to minimize leakage.
			
			Tend as necessary based on river flow conditions.

PR-04-04 CB	**Indian Island** Bridge St. culvert Lat. 44° 56.724'N Lon. 68° 39.089'W	**Culvert Blocking** Place culvert block and/or set exclusion boom to prevent oil from entering lagoon on Indian Island.	Install culvert block or set up exclusion boom. If inflatable plugs are not available, place plywood or similar sheeting material across the entrance of the culvert. Use plastic sheeting to ensure the seal. Stack adequate sandbags against the plywood sheeting to counter the out flow pressure. Monitor the block to ensure blocking integrity.
PR-04 SR	Same as PR-04-01	**Shoreside Recovery** - 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.

ID	Response Resources	Staging Area Site Access	Resources Protected	Special Considerations
PR-04-01 DV	**Deployment** ***Equipment (All sites)*** 1,200 ft 12" – 18" boom 6 anchor system 4 anchor stakes (doubled at each shoreside anchor point) 1 shoreside recovery system ***Vessels*** 2 skiffs ***Personnel/Shift*** 8 total (1 vessel operator + 1 responder per vessel, 2 shoreside responders) **Tending** ***Vessels*** 1 skiff ***Personnel/Shift*** 4 total (1 vessel operator + 1 responder per vessel, 2 shoreside responders)	**Indian Island Boat Ramp** – Wabanaki Way, Old Town, ME. **Old Town Boat Ramp/Fourth St. Park** – N. Fourth St., Old Town, ME	**Fish/ Birds -** Atlantic Salmon **Threatened/Endangered Species-**Habitat of Special Concern, Threatened Species Habitat **Cultural-** Historical/Archaeological Sites, Native American Tribal Lands **Habitat-** Sand &Gravel Aquifers, Wetlands **Human use-**,Boat Ramp, Infrastructure, Lock & Dam, Park	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. Vessel operators should have local knowledge and experience operating in riverine environments. Site surveyed: 04/13/16. **Field tested: not yet.**
PR-04-02 DF	**Deployment** ***Equipment (All sites)*** 2,100 ft 12" – 18" boom 12 anchor system 4 anchor stakes (doubled at each shoreside anchor point) ***Vessels/Personnel/Shift*** Same as PR-04-01 **Tending** Same as PR-04-01	Same as PR-04-01	Same as PR-04-01	Same as PR-04-01
PR-04-03 EX	**Deployment** ***Equipment (All sites)*** 100 ft 12" – 18" boom 2 anchor systems 8 anchor stakes (doubled at each shoreside anchor point) ***Vessels/Personnel*** Same as PR-04-02.	Same as PR-04-01 **Milford Dam** – Bridge St. at Davenport St.	Same as PR-04-01	Same as PR-04-01 **Exercise caution when operating close to dam.**
PR-04-04 CB	**Deployment** ***Transport*** 1 Truck ***Equipment*** 1 inflatable culvert block or 1 sheet of plywood 50-100 sandbags 1 polyethylene sheeting ***Personnel/Shift*** 4 shoreside responders	**Bridge St.** – At site where Bridge St. crosses culvert.	Same as PR-04-01	Coordinate with Penobscot Nation Water Resources Program Manager and ME DEP. Culvert blocks should be tested and stored at appropriate location.
PR-04 SR	**Deployment** ***Equipment (All sites)*** 1 shoreside recovery system ***Vehicles*** 1 truck or truck with trailers ***Personnel/Shift**** 2-5 shoreside responders (depending on recovery system and hours of operation)	Same as PR-04-01	Same as PR-04-01	Same as PR-04-01

Site Photographs and Contact Information

Panoramic View from the north end of Indian Island looking north.

View of Indian Island/Old Town looking northeast. DF-02 site at upper left. DV-01 and EX-03a sites at middle left.

View to the north from the Fourth street boat ramp in direction of DV-01.

Fourth Street boat ramp looking east toward Indian Island. Site of DV-01.

Contact Information:

Milford Fire Department: 207-827-6164
Milford Water/Sewer Department: 302-422-1110 ext 191
Milford Emergency Management: 207-827-2072
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.