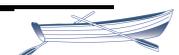


LEGEND			
	Boat Ramp		DF Deflection Booming
	CB Culvert Block		DV Diversion Booming
	DAM Dam		EX Exclusion Booming
	PR Passive Recovery		Protected-water Boom
	SR Shoreside Recovery		S Staging Area
	Railroad		Water Treatment Facility

1,600 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.



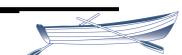


Kennebec River Geographic Response Plan

Hallowell KR-03



ID	Location and Description	Response Strategy	Implementation
KR-03-01 	Hallowell Hallowell Boat Landing Lat. 44° 17.057'N Lon. 69° 47.309'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 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.
KR-03-02 	Chelsea Ferry Rd. Lat. 44° 17.256'N Lon. 69° 47.194'W	Deflection Set boom to deflect oil away from sensitive environmental area on east side of Kennebec River and toward diversion and collection site downriver.	Deploy 300 ft of 12” – 18” boom as depicted from the point along the eastern shore of the river north of the Ferry Rd. boat ramp. Oil will be deflected away from sensitive water resources and toward the diversion and collection site downriver. Set anchors every 200 ft. Tend throughout the tide.
KR-03 	Same as KR-03-01	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.

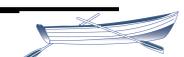




Kennebec River Geographic Response Plan
Hallowell KR-03



ID	Response Resources	Staging Area Site Access	Resources Protected	Special Considerations
KR-03-01 	Deployment Equipment (All sites) 1,200 ft 12” – 18” boom 6 anchor systems 4 anchor stakes (doubled at each shoreside anchor point) 1 shoreside recovery systems Vessels 2 skiffs Personnel/Shift 8 total (1 vessel operator + 1 responder per vessel, 4 shoreside responders) Tending Vessels 1 skiff Personnel/Shift 4 total (1 vessel operator + 1 responder per vessel, 2 shoreside responders)	Hallowell Public Boat Launch , 200 Water St., Hallowell, ME.	Fish/Birds -Atlantic Salmon, Wild Brook Trout Threatened/Endangered Species -Threatened Species Habitat, Habitat of Special Concern, Rare Plants Cultural -Historical/Archaeological Sites Habitat - Sand & Gravel Aquifers, Wetlands, Man-Made Structures Human use - Boat Ramp or Marina, Conservation Area, Infrastructure, Groundwater Source	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: 04/12/16. Field tested: not yet.
KR-03-02 	Deployment Equipment 400 ft 12” – 18” boom 2 anchor systems 1 anchor stake Vessels / Personnel/Shift Same as KR-03-01	Ferry Rd. Boat Launch , - 188 Ferry Rd., Chelsea, ME	Same as KR-03-01	Same as KR-03-01
KR-03 	Deployment Equipment (All sites) 1 shoreside recovery system Vehicles 1 truck or truck with trailer Personnel/Shift* 2-5 shoreside responders (depending on recovery system and hours of operation)	Same as KR-03-01	Same as KR-03-01	Same as KR-03-01





Site Photographs and Contact Information



Hallowell boat ramp access



View downriver from boat access ramp.



View upriver from Hallowell boat ramp.

Contact Information:

- Hallowell Fire Department: 207-623-2860
- Hallowell Water/Sewer Department: 207-622-3993
- Hallowell Conservation Commission: 207-623-3163
- Hallowell Harbormaster: 207-557-055
- Buckeye Pipeline: 207-873-6921
- Maine DEP (Oil Spill): 800-482-0777
- Maine DEP (HazMat Spill): 800-452-4664
- Maine Dept of Inland Fisheries & Wildlife (Augusta): 800-452-4664
- Maine Dept. of Marine Resources: 207-941-4449
- Maine Drinking Water Program: 207-557-4214
- Maine Historic Preservation Commission: 207-287-2132
- National Response Center: 800-424-8802



Shore side access at Granite City Park.

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.

