









Blackstone River Geographic Response Plan
Woonsocket West BR-01



ID	Location and Description	Response Strategy	Implementation
BR-01-01 	North Smithfield a.) High Rocks (west) Lat. 42° 0'36.11"N Lon. 71°33'5.16"W b.) High Rocks (east) Lat. 42° 0'42.13"N Lon. 71°32'46.65"W Woonsocket c.) Cold Spring Park – Lat. 42° 0'28.00"N Lon. 71°31'32.37"W	Divert and Collect – Shoreside Divert incoming oil to shoreside recovery locations to protect downstream areas along the Blackstone River.	Deploy anchors and boom with skiffs. For (a) Deploy 250 ft. of 12” – 18” boom in a single leg at the proper angle to divert incoming oil to the collection site. For (b) Deploy 350 ft. of 12” – 18” boom in a single leg at the proper angle to divert incoming oil to the collection site. For (a) and (b) small skiffs can be trailered to the deployment site via 4WD vehicles and must be hand-launched from the shoreline. For (c) Deploy 350 ft. of 12” – 18” boom in a single leg at the proper angle to divert incoming oil to the collection site.
BR-01-02 	Branch River Lat. 42° 0'33.75"N Lon. 71°33'3.17"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. Adjust the angle and length of boom depending on oil trajectory, river flow rate, and wind.	Deploy 400 ft of 12” – 18” boom as depicted to prevent oil from migrating into the Branch River and to prevent oil emanating from the Branch River (sources upstream) into the Blackstone River. Secure with anchor stakes on shore and anchors in midstream. Deploy passive recovery using sorbents at attachment points to minimize leakage.
BR-01-03 	Woonsocket Cold Spring Park Lat. 42° 0'33.09"N Lon. 71°31'39.65"W	Culvert Blocking Place culvert block and/or set exclusion boom to prevent oil from migrating into the Blackstone River and surrounding environment.	Install culvert block or set up exclusion boom along river bank. 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 outflow pressure. Monitor the block to ensure blocking integrity. These box culverts may be completely or partially submerged depending on river level. Consider deploying exclusion boom if culvert blocking not feasible.
BR-01 	Same as BR-01-01	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.





Blackstone River Geographic Response Plan
Woonsocket West BR-01



Response Resources	Staging Area Site Access	Resources Protected	Special Considerations	ID
<p>Deployment <i>Equipment</i> 950 ft. 12"-18" boom 3 anchor sets* 12 anchor stakes** 2 shoreside recovery systems</p> <p><i>Vessels</i> 2 work boats or skiffs</p> <p><i>Personnel/Shift</i> 2 vessel crew (per vessel)/2 shoreside responders</p> <p>Tending <i>Vessels</i> 1 work boat or skiff</p> <p><i>Personnel/Shift</i> 2 vessel crew (per vessel)/2 shoreside responders</p> <p>*Anchor at end of each boom section and every 200 ft. ** Use two anchor stakes at end of each boom section</p>	<p>Staging Area: a.) and b.) High Rocks Condominium Recreation Area, 1 Tupperware DR., North Smithfield, RI b.) Cold Spring Park Harris Ave and Katherine Rd, Woonsocket, RI</p> <p><i>For (a): Access to this deployment site may be difficult during winter months when snowfall is present.</i></p>	<p>Cultural Resources – Historical Site Human use - Boat Ramp, Critical Infrastructure, Dam, Park, Railroad, Water intake Land Management – Conservation Area, Non-Community Wellhead Protection Area, Residential Shoreline Habitat - Wetlands</p>	<p>River conditions including flow rate and flood stage 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. Entire site surveyed: 04/23/18 Field tested: No</p>	<p>BR-01-01</p> <p>DV</p>
<p>Deployment <i>Equipment</i> 400 ft. 12"-18" boom 1 anchor set* 4 anchor stakes**</p> <p><i>Vessels</i> 1 work boat or skiff</p> <p><i>Personnel/Shift</i> 2 vessel crew (per vessel)/2 shoreside responders</p> <p>Tending Same as BR-01-01</p>	Same as BR-01-01		Same as BR-01-01	<p>BR-01-02</p> <p>EX</p>
<p>Deployment (Per Culvert) <i>Transport</i> 1 Truck</p> <p><i>Equipment</i> 1 inflatable culvert blocks or 1 sheets of plywood 50-100 sandbags Polyethylene sheeting</p> <p><i>Personnel/Shift</i> 4 shoreside responders</p>	<p>Staging Area: Same as BR-01-01 (b)</p> <p>Site Access: Same as BR-01-01 (b)</p>		Other undiscovered culverts may exist along both sides of river between Singleton St. bridge and Cold Spring Park. If access to and construction of culvert blocks proves problematic from boats, and personnel cannot safely conduct landside operations, boom should be used instead at these culverts.	<p>BR-01-03</p> <p>CB</p>
<p>Deployment <i>Equipment (All sites)</i> 1 shoreside recovery system</p> <p><i>Vehicles</i> 1 truck or truck with trailer</p> <p><i>Personnel/Shift*</i> 2-5 shoreside responders (depending on recovery system and hours of operation)</p>	Same as BR-01-01	Same as BR-01-01	Same as BR-01-01	<p>BR-01</p> <p>SR</p>





Site Photographs and Contact Information



High Rocks Condominium Recreation Area Access Road



Site of DV-01a looking upriver



Site of DV-01b at confluence of Blackstone and Branch River



Site of DV-01c looking upriver



Cold Spring Park Boat ramp at DV-01c looking downriver

CONTACT INFORMATION:

North Smithfield FD: 401-762-1135
North Smithfield Em. Management: 401-767-2206 (24 hr)
North Smithfield Water Dept.: 401-767-2200
Woonsocket FD: 401-765-2500
Woonsocket Emergency Management: 401-766-1212
Woonsocket Water Dpt.: 401-767-9217
RI DEM Emergency Response: 401-222-1360 (day)
RI DEM Emergency Response: 401-222-3070 (after hours)
RI DEM Water Resources: 401-222-3961 (day)
RI DEM Freshwater Fish & Wildlife: 401-789-0281 (day)
RI Historical Pres. & Heritage Comm.: 401-222-2678
RI Emergency Management Agency: 401-946-9996
National Response Center: 800-424-8802

Blackstone 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.

