





Lake Champlain Geographic Response Plan
Chimney Point LC-VT-14



ID	Location and Description	Response Strategy	Implementation
<p>LC-14-01</p> <p>EX</p>	<p>Chimney Point</p> <p>Lat. 44° 2'2.01"N Lon. 73°25'19.99"W</p>	<p>Exclusion</p> <p>Set boom across entrances to creeks, inlets, coves and near water treatment facilities to prevent oil from migrating into sensitive areas and critical infrastructure.</p> <p>Adjust the angle and length of boom depending on oil trajectory, river flow rate, and wind.</p>	<p>Deploy 1200 ft of 12" – 18" boom as depicted to prevent oil from impacting Chimney Point State Historic Site.</p> <p>Secure with anchor stakes on shore and anchors in midstream. Deploy passive recovery using sorbents at attachment points to minimize leakage.</p>
<p>LC-14-02</p> <p>CB</p>	<p>Rt 17 Bridge</p> <p>Lat. 44° 2'5.88"N Lon. 73°25'18.12"W</p>	<p>Culvert Blocking</p> <p>Place culvert block and/or set exclusion boom to prevent oil from migrating up or downstream into Charcoal Creek and surrounding environment.</p>	<p>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.</p> <p>Monitor the block to ensure blocking integrity..</p>
<p>LC-14-03</p> <p>C</p>	<p>Lake Champlain/Route 17 Bridge</p> <p>Lat. 44° 1'56.02"N Lon. 73°25'27.13"W</p>	<p>Containment</p> <p>Contain oil near the source to reduce impacts to Chimney Point State Historic Site, Lake Champlain, Crown Point State Historic Site (NY), and nearby sensitive and historic resources.</p>	<p>Deploy anchors and boom with skiffs. Using anchors and structures, place protected-water boom in the water in the vicinity of the source. . Be aware of and compensate for flow/currents that may move oil underwater and outside containment boom. Additional sorbent boom and/or pads may be placed inside the protected-water boom to recover oil. Replace as necessary. If a significant amount of oil is collecting within the boom, a collection system may be established. Tend as necessary based on wind and water flow.</p>
<p>LC-14-04</p> <p>FO</p>	<p>Lake Champlain/Route 17 Bridge</p> <p>Lat. 44° 1'56.02"N Lon. 73°25'27.13"W</p>	<p>Free Oil Recovery</p> <p>Maximize free-oil recovery in the vicinity of the Route 17 bridge depending on spill location and trajectory.</p>	<p>Deploy free-oil recovery strike teams upwind and up current. Use aerial surveillance to locate incoming slicks. Ensure that responders have experience with on-water free-oil recovery.</p>





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Response Resources	Staging Area Site Access	Resources Protected	Special Considerations	ID
Deployment Equipment 1200 ft. 12"-18" boom 24 anchor stakes (anchor boom along shoreline every 50 ft) Vessels 1 work boat or skiff Personnel/Shift 2 vessel crew (per vessel)/2 shoreside responders Tending Vessels 1 work boat or skiff Personnel/Shift 2 vessel crew (per vessel)/2 shoreside responders	Staging Area: VT F&W Chimney Point Fishing Access Area/Boat Ramp Site Access: VT F&W Chimney Point Fishing Access Area/Boat Ramp Via marine waters for deploying and tending boom. Chart 14783	Invertebrates-Fragile Papershell, Pink Heelsplitter Threatened/Endangered Species –Rare habitat & species Cultural Resources-Historical/Archaeological Sites, Native American Tribal Lands Human use-boat ramp, State Park Land Management – Conservation Area	Lake and 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: 04/26/17. Field tested: No	LC-14-01 <div style="border: 1px solid black; background-color: yellow; padding: 5px; display: inline-block;">EX</div>
Deployment (Per Culvert) Transport 1 Truck Equipment 1 inflatable culvert block or 1 sheet of plywood 50-100 sandbags 1 polyethylene sheeting Personnel/Shift 4 shoreside responders	Same as LC-14-01		Same as LC-14-01	LC-14-02 <div style="border: 1px solid black; background-color: yellow; padding: 5px; display: inline-block;">CB</div>
Deployment Equipment 12"-18" boom, anchors and stakes as needed based on incident specific containment needs Vessels Same as LC-14-01 Personnel/Shift Same as LC-14-01 Tending Vessels Same as LC-14-01 Personnel/Shift Same as LC-14-01	Same as LC-14-01		Same as LC-14-01	LC-14-03 <div style="border: 1px solid black; background-color: yellow; padding: 5px; display: inline-block;">C</div>
Deploy multiple free-oil recovery strike teams as required to maximize interception of oil before it impacts sensitive areas.	Same as LC-14-01		Same as LC-14-01	LC-14-04 <div style="border: 1px solid black; background-color: yellow; padding: 5px; display: inline-block; border-radius: 50%;">FO</div>



Site Photographs and Contact Information



View from Chimney Point Boat Access Area looking south/southwest toward New York.



Chimney Point Boat Access Area looking south/southwest toward New York.



Route 17 bridge at Chimney Point. Site of CB-02. Large highway drain pipes located at top left and run down to Lake. Historic sites immediately under bridge.

CONTACT INFORMATION:

All VT Fire Departments: **Call 911**

EPA Region 1 Tribal Program:
617-918-1123

Missisquoi National Wildlife Refuge:
802-868-4781

**National Response Center:
800-424-8802**

VT Comm. on Native American Affairs:
802-779-7015

VT DEC (24-Hour): 800-641-5005

VT Drinking Water & Groundwater:
802-741-5311

VT Emergency Mgmt & Homeland
Security:
800-347-0488

VT Fish & Wildlife Dept (Essex):
802-878-1564

VT Hazmat Response Team:
800-641-5005

VT Div of Historical Preservation:
802-272-2509

Lake Champlain 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.

