





**Lake Champlain Geographic Response Plan**  
**Burlington LC-VT-10**



ID	Location and Description	Response Strategy	Implementation
<b>LC-10-01</b> 	<b>Burlington Waterfront</b> a.) Breakwater North – Lat. 44°28'57.78"N Lon. 73°13'43.86"W  b.) Breakwater Gap – Lat. 44°28'45.96"N Lon. 73°13'44.37"W  c.) Breakwater South – Lat. 44°28'11.23"N Lon. 73°13'21.75"W  d.) Perkins Pier – Lat. 44°28'26.24"N Lon. 73°13'18.15"W  e.) Island Line Trail Beach – Lat. 44°27'27.16"N Lon. 73°13'30.59"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.	For (a) and (c) Deploy 1750 ft of 12"-18" boom as depicted to prevent oil from migrating farther into Lake Champlain.  For (b) Deploy 250 ft of 12"-18" boom as depicted to prevent oil from migrating farther into Lake Champlain.  For (d) Deploy 200 ft of 12"-18" boom as depicted to prevent oil from migrating farther into Lake Champlain.  For (e) Deploy 850 ft of 12"-18" boom as depicted to prevent oil from migrating farther into Lake Champlain.  Secure with anchor stakes on shore and anchors in midstream. Deploy passive recovery using sorbents at attachment points to minimize leakage.
<b>LC-10-02</b> 	<b>Burlington Waterfront</b> a.) Ferry/Green Mtn Boats – Lat. 44°28'36.69"N Lon. 73°13'19.91"W  b.) Railway Waterfront – Lat. 44°28'2.38"N Lon. 73°13'9.23"W	<b>Containment</b>  Contain oil near the source to reduce impacts to Lake Champlain and nearby sensitive resources.	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.



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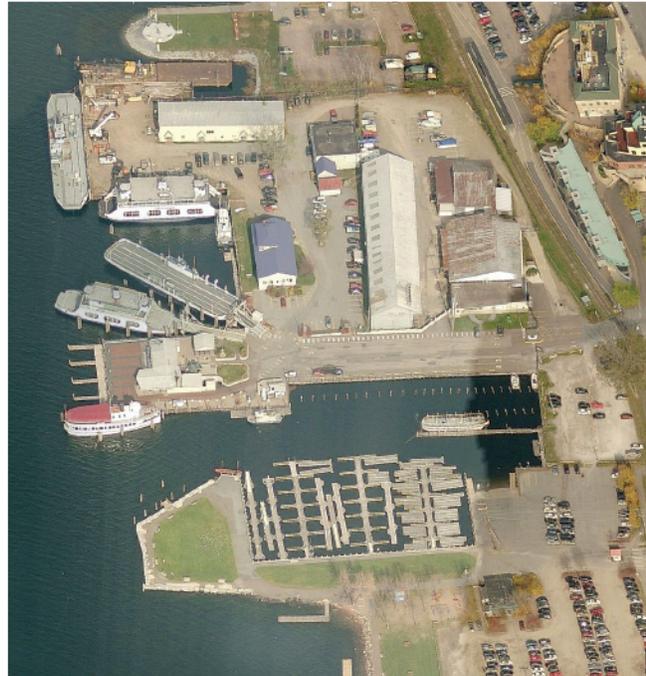
Response Resources	Staging Area Site Access	Resources Protected	Special Considerations	ID
<p><b>Deployment</b></p> <p><b>Equipment</b></p> <p>3050 ft. 12"-18"boom</p> <p>2 anchor sets</p> <p>4 anchor stakes</p> <p><b>Vessels</b></p> <p>1 skiff</p> <p><b>Personnel/Shift</b></p> <p>2 vessel crew (per skiff)/2 shoreside responders</p> <p><b>Tending</b></p> <p><b>Vessels</b></p> <p>2 work boats or skiffs</p> <p><b>Personnel/Shift</b></p> <p>2 vessel crew (per vessel)/2 shoreside responders</p>	<p>Staging Area: Waterfront Park Boat Access Area or Perkins Pier Boat Ramp</p> <p>Site Access: Waterfront Park Boat Access Area or Perkins Pier Boat Ramp</p> <p>Via marine waters for deploying and tending boom.</p> <p>Chart 14785</p>	<p>Threatened/Endangered Species – Rare Species (Includes Vermont's Rare and Uncommon Animals), Species of Special Concern</p> <p>Cultural Resources- Historical/Archaeological Sites, Native American Tribal Lands</p> <p>Human use-boat ramp, critical infrastructure, park, public beach, water intake</p>	<p>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.</p> <p>Field tested: No</p>	<p><b>LC-10-01</b></p> <p><b>EX</b></p>
<p><b>Deployment</b></p> <p><b>Equipment</b></p> <p>12"-18"boom, anchors and stakes as needed based on incident specific containment needs</p> <p><b>Vessels</b></p> <p>Same as LC-10-01</p> <p><b>Personnel/Shift</b></p> <p>Same as LC-10-01</p> <p><b>Tending</b></p> <p><b>Vessels</b></p> <p>Same as LC-10-01</p> <p><b>Personnel/Shift</b></p> <p>Same as LC-10-01</p>	<p>Staging Area: Same as LC-10-01</p> <p>Site Access: Same as LC-10-01</p>		<p>Same as LC-10-01 and</p> <p>The Pine St. Canal Superfund Site is located immediately adjacent to and east of the rail line. Responders should contact EPA Region 1 prior to conducting response operations in this area.</p>	<p><b>LC-10-02</b></p> <p><b>C</b></p>



Site Photographs and Contact Information



Aerial view of rail line leading into Vermont Railway Yard. Site of Containment Booming (C-02b)



Aerial view of King St. Ferry Dock and Perkins Pier Boat Ramp area.



Site of EX-01e (left) near Global Partners LP Terminal.

**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
- Champlain Water District (24/7): 802-864-7454

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](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.

