

EPA Lake Champlain River Geographic Response Strategy				Lewis-Little Otter Creek LC-VT-12A	
Tactic #	Purpose	Response Equipment	Deployment Resources	Deployment Notes	
DV-01a	Redirect spilled oil from one location or direction of travel to a specific site for recovery.	2 shoreline anchor system	1 response boats 1 boat operators	Deploy boom as depicted to divert incoming oil to the collection site. Anchor every 200-300'. Adjust configuration as necessary to reduce entrainment. Set up shoreside recovery. Deploy shoreside anchor first.	
SR-01a	Remove spilled oil that has been diverted to a designated recovery site accessible from shore.	Testing Date  1 skimming system 1 storage tank or bladder 1 hoses, pumps, fittings	N Tested 2 shore responders	Set up shoreside recovery tactic at general location depicted on map.	
Ľ		N/A Testing Date	Tested		

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Aerial view of Hawkins Bay, Lewis and Little Otter Creeks and surrounding area. Rail line on right.



Mouth of Lewis Creek at Hawkins Bay. Site of DV-01a at upper right.

Threat/End. Species	Rare Species (Includes Vermont's Rare and Uncommon Animals), Rare,	
	Threatened, and Endangered Species Habitat, Species of Special Concern	
Cultural/Historical Resources	Historical/Archaeological Sites, Native American Tribal Lands	
Human Use	Boat Ramp	
Land Management	Conservation Area, State Park	
Riverine	No available data	

Resources Protected

EPA Lake Champlain River Geographic Response Strategy

All VT Fire Departments

EPA Region 1 Tribal Program

National Response Center

VT DEC (24-Hour)

Missisquoi National Wildlife Refuge

VT Comm. on Native American Affairs

VT Emergency Mgmnt & Homeland Security

VT Drinking Water & Groundwater

VT Fish & Wildlife Dept (Essex)

VT Hazmat Response Team
VT Div of Historical Preservation

Champlain Water District (24/7)

Birds

**Local contacts** 

Call 911

617-918-1123

802-868-4781 800-424-8802

802-779-7015

800-641-5005

802-741-5311

800-347-0488

802-878-1564 800-641-5005

802-272-2509

802-864-7454

**Navigational Hazards** 

Special Considerations

Lake and river conditions such as flow rate and flood stage vary depending on the time of year and heavy rain or snowfall.

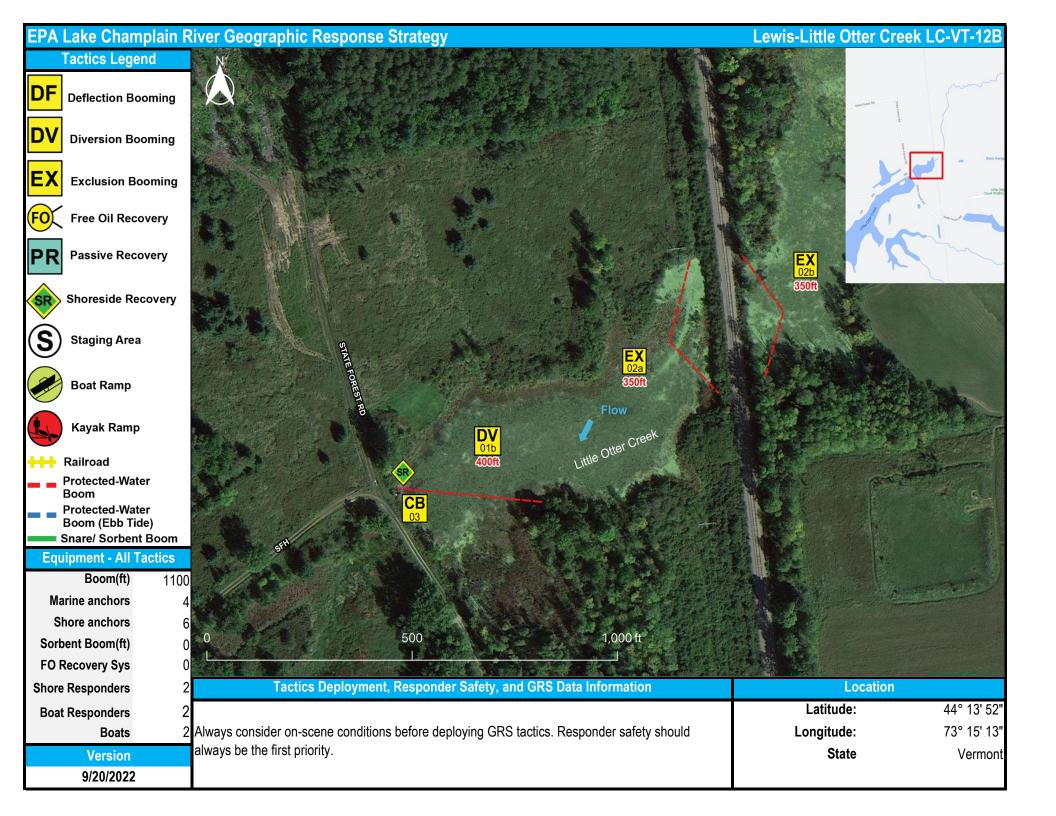
If ice is present GRS tactics and strategies must be reevaluated.

No available data

No available data

Vessel operators should have local knowledge and experience operating in riverine environments.

Survey site prior to deployment and modify deployment tactics and techniques as appropriate based on observed river/lake conditions.



<b>EPA Lake</b>	EPA Lake Champlain River Geographic Response Strategy Lewis-Little Otter Creek LC-VT-12B			
Tactic #	Purpose	Response Equipment	Deployment Resources	Deployment Notes
DV-01b	Redirect spilled oil from one location or direction of travel to a specific site for recovery.	400 ft protected water boom 2 marine anchor system 2 shoreline anchor system Testing Date	2 shore responders 1 response boats 1 boat operators  N Tested	Deploy boom as depicted to divert incoming oil to the collection site. Anchor every 200-300'. Adjust configuration as necessary to reduce entrainment. Set up shoreside recovery. Deploy shoreside anchor first.
SR-01b	Remove spilled oil that has been diverted to a designated recovery site accessible from shore.	1 skimming system 1 storage tank or bladder 1 hoses, pumps, fittings  N/A  Testing Date	2 shore responders  Tested	Set up shoreside recovery tactic at general location depicted on map.
EX-02a	Prohibit oil slicks from entering a sensitive area.	350 ft protected water boom 1 marine anchor system 2 shoreline anchor system Testing Date	2 shore responders 1 response boats 1 boat operators  N Tested	Deploy boom as depicted to exclude oil from sensitive areas. Anchor every 200-300'.  Adjust configuration as necessary to reduce entrainment. Deploy shoreside anchor first.  Readjust boom angle as needed to reduce entrainment
EX-02b	Prohibit oil slicks from entering a sensitive area.	350 ft protected water boom 1 marine anchor system 2 shoreline anchor system Testing Date	2 shore responders 1 response boats 1 boat operators  N Tested	Deploy boom as depicted to exclude oil from sensitive areas. Anchor every 200-300'.  Adjust configuration as necessary to reduce entrainment. Deploy shoreside anchor first.  Readjust boom angle as needed to reduce entrainment
CB-03	Prevent oil that has entered drainage systems from impacting waterways and sensitive areas.	inflatable plug, sand bag, or plywood  N/A  Testing Date	2 shore responders  Tested	If accessible deploy appropriate size inflatable culvert plug in the culvert. Monitor to ensure blocking integrity. Without culvert plug, place plywood or similar sheeting material across the culvert. Use plastic sheeting to ensure the seal. Stack sandbags against plywood to counter outflow pressure.



Aerial view of Hawkins Bay, Lewis and Little Otter Creeks and surrounding area. Rail line on right.



Little Otter Creek at site of DV-01b, EX-02, CB-03.

Note rail line at right.

EPA Region i mbai Program		017-910-1123	
Missisquoi National Wildlife Refuge		802-868-4781	
National Response Cente	er	800-424-8802	
VT Comm. on Native Am	erican Affairs	802-779-7015	
VT DEC (24-Hour)		800-641-5005	
VT Drinking Water & Gro	undwater	802-741-5311	
VT Emergency Mgmnt &	Homeland Security	800-347-0488	
VT Fish & Wildlife Dept (	Essex)	802-878-1564	
VT Hazmat Response Te	eam	800-641-5005	
VT Div of Historical Prese	ervation	802-272-2509	
Champlain Water District	(24/7)	802-864-7454	
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Fish	Resources No available data	Protected	
Birds	No available data		
Threat/End. Species	Rare Species (Includes Vermont's Rare and Uncommon Animals), Rare, Threatened, and Endangered Species Habitat, Species of Special Concern		
Cultural/Historical		tes, Native American Tribal Lands	
Resources			
Human Use	Boat Ramp		
Land Management	Conservation Area, State Park		
Riverine	No available data		
	Navigation	al Hazards	
	such as flow rate and flood sta	age vary depending on the time of year and heavy	
rain or snowfall.			
If ice is present GRS tact	tics and strategies must be ree	valuated.	

**EPA Lake Champlain River Geographic Response Strategy** 

All VT Fire Departments

EPA Region 1 Tribal Program

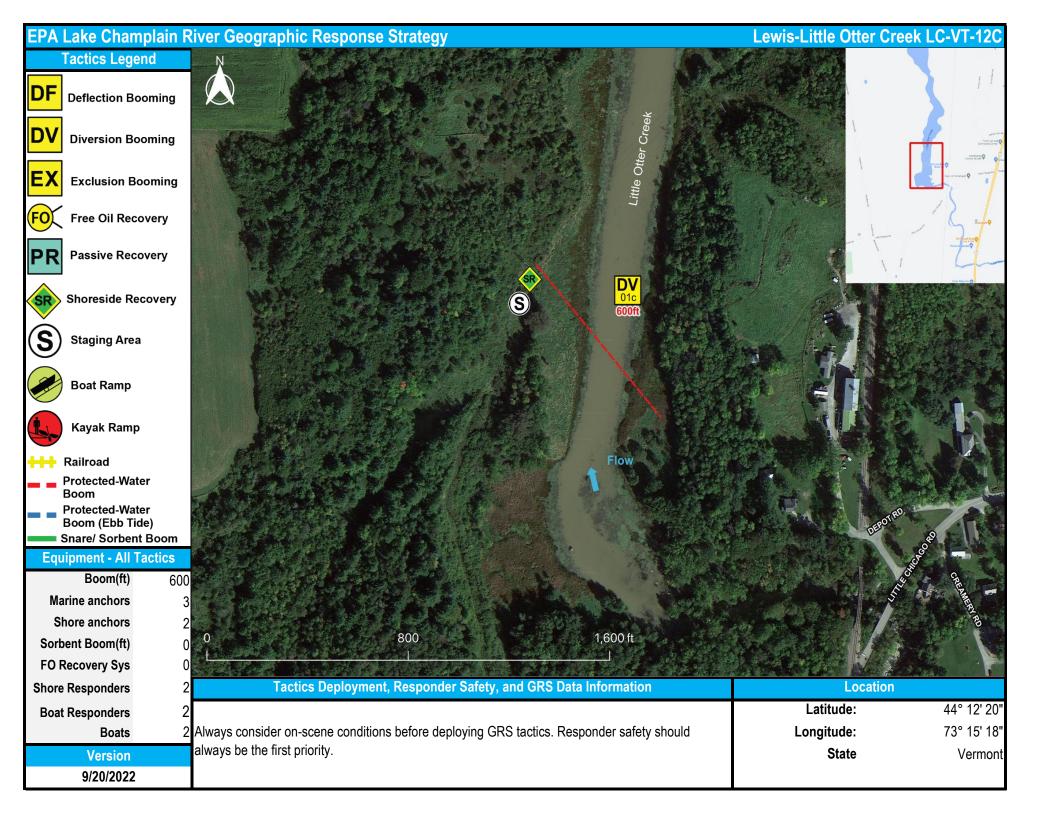
Local contacts
Call 911

617-918-1123

Vessel operators should have local knowledge and experience operating in riverine environments.

Special Considerations

Survey site prior to deployment and modify deployment tactics and techniques as appropriate based on observed river/lake conditions.



<b>EPA Lake</b>	A Lake Champlain River Geographic Response Strategy Lewis-Little Otter Creek LC-VT-			
Tactic #	Purpose	Response Equipment	Deployment Resources	Deployment Notes
DV-01c	D	600 ft protected water boom		Deploy boom as depicted to divert incoming oil to the collection site. Anchor every 200-
<b>D</b> V	Redirect spilled oil from one location or direction of travel to a specific site for recovery.	3 marine anchor system		300'. Adjust configuration as necessary to reduce entrainment. Set up shoreside
DV		2 shoreline anchor system	1 boat operators	recovery. Deploy shoreside anchor first.
		Testing Date	N Tested	
SR-01c	D "   10   1	1 skimming system	2 shore responders	Set up shoreside recovery tactic at general location depicted on map.
SR	Remove spilled oil that has been diverted to a designated recovery site accessible from shore.			
		1 hoses, pumps, fittings		
		N/A Testing Date	Tested	



Aerial view of Hawkins Bay, Lewis and Little Otter Creeks and surrounding area. Rail line on right.



Little Otter Creek at site of DV-01c. Note rail line at right.

EPA Lake Champ		phic Response Strategy	
All VT Fire Departments	Loca	Call 911	
All VI File Departments		Call 911	
EPA Region 1 Tribal Program		617-918-1123	
Missisquoi National Wild	life Refuge	802-868-4781	
National Response Cent	er	800-424-8802	
VT Comm. on Native Am	nerican Affairs	802-779-7015	
VT DEC (24-Hour)		800-641-5005	
VT Drinking Water & Gro	oundwater	802-741-5311	
VT Emergency Mgmnt &	Homeland Security	800-347-0488	
VT Fish & Wildlife Dept (	Essex)	802-878-1564	
VT Hazmat Response Te	eam	800-641-5005	
VT Div of Historical Pres	ervation	802-272-2509	
Champlain Water District	t (24/7)	802-864-7454	
	Resourc	res Protected	
Fish	No available data	Resources Protected  No available data	
Birds	No available data		
Threat/End. Species		Vermont's Rare and Uncommon Animals), Rare,	
Cultural/Historical Resources	Threatened, and Endangered Species Habitat, Species of Special Concern Historical/Archaeological Sites, Native American Tribal Lands		
Human Use	Boat Ramp		
Land Management	Conservation Area, State Park		
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Navigational Hazards

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If ice is present GRS tactics and strategies must be reevaluated.

No available data

Riverine

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