

# STATE OF VERMONT

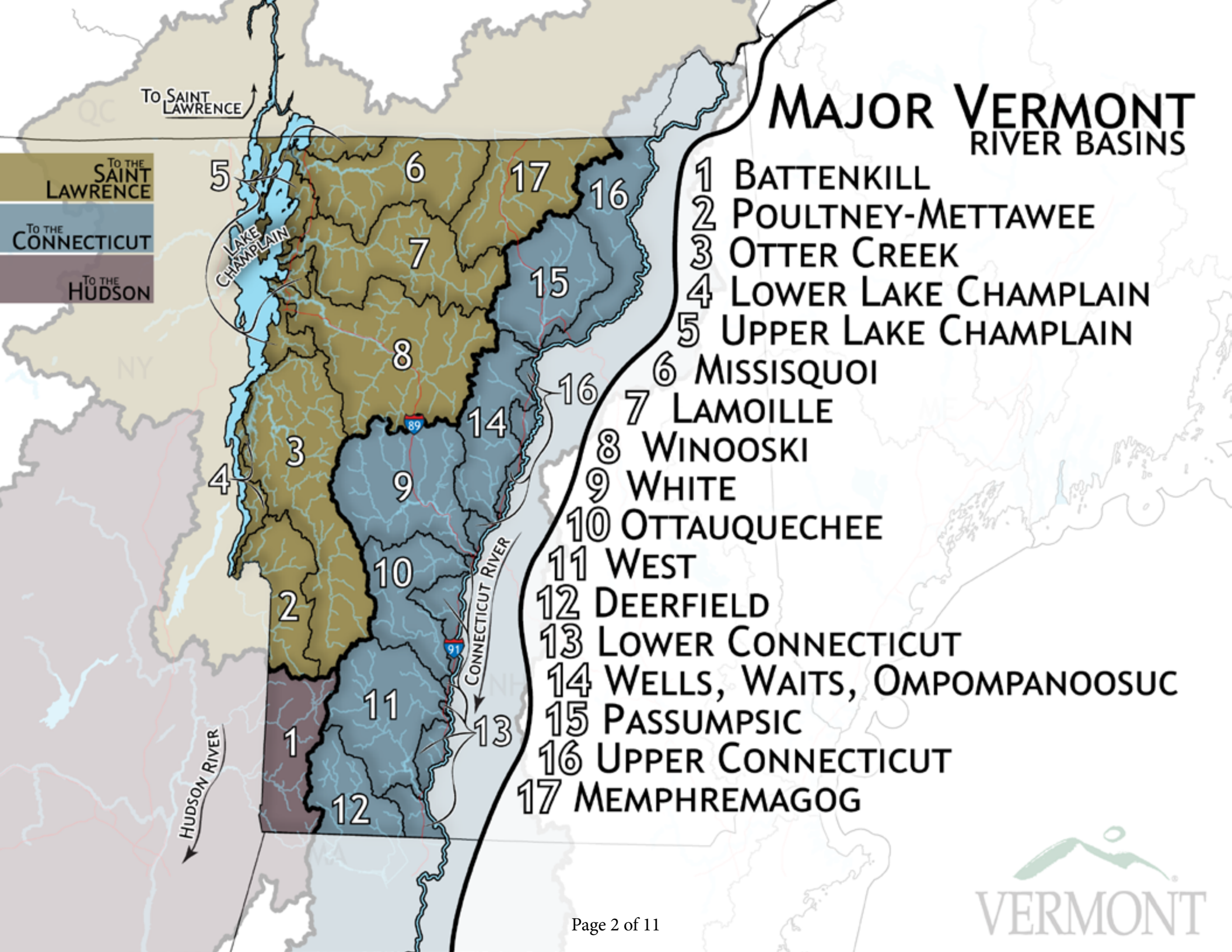
2020

- DRAFT -

## PART D. IMPAIRED SURFACE WATERS WITH A TMDL

Vermont Department of Environmental Conservation  
Watershed Management Division  
One National Life Drive, Davis 3  
Montpelier, VT 05620-3522

# MAJOR VERMONT RIVER BASINS



All waters identified on Part D are assessed as impaired and have completed and approved TMDLs in place. If future assessments show the impairment has been eliminated, the water will no longer be tracked on Part D. These waters correspond to Category 4a of EPA's Consolidated Assessment Listing Methodology.

**Waterbody ID** - The two digits following VT identifies the MAJOR VERMONT RIVER BASIN illustrated above and the two digits following - identifies the sub basin or mainstem within the major basin.

**Code** - If the code contains an L the listing is a Lake within the sub basin and if the code is two digits the listing is a river reach within the sub basin or mainstem.

**Altered Use(s)** - (ALS) Aquatic biota and wildlife that may utilize or are present in the waters; (AH) Aquatic habitat to support aquatic biota, wildlife, or plant life; (CR) The use of waters for swimming and other primary contact recreation; (CRF) The use of waters for fishing and related recreational uses; (CRB) The use of waters for boating and related recreational uses; (AES) The use of waters for the enjoyment of aesthetic conditions

Waterbody ID	Code	Waterbody Name	Impaired Use(s)	Pollutant	Problem	Status
VT01-05	L01	Bourn Pond (Sunderland)	AH, ALS	PH	Atmospheric deposition: extremely sensitive to acidification; episodic acidification	EPA approved TMDL September 30, 2003
	L10	Little Mud (Winhall)	AH, ALS	PH	Atmospheric deposition: critically acidified; chronic acidification	EPA approved TMDL September 20, 2004
	L11	Lye Brook - N (Sunderland)	AH, ALS	PH	Atmospheric deposition: critically acidified; chronic acidification	EPA approved TMDL September 30, 2003
	L12	Lye Brook - S (Sunderland)	AH, ALS	PH	Atmospheric deposition: critically acidified; chronic acidification	EPA approved TMDL September 30, 2003
VT01-06	L01	Branch Pond (Sunderland)	AH, ALS	PH	Atmospheric deposition: critically acidified; chronic acidification	EPA approved TMDL September 30, 2003
	L02	Beebe Pond (Sunderland)	AH, ALS	PH	Atmospheric deposition: extremely sensitive to acidification; episodic acidification	EPA approved TMDL September 20, 2004
VT02-01	01	Poultney River, Mouth Upstrm to Carvers Falls (10.4 Miles)	FC	MERCURY IN FISH TISSUE	Elevated levels of mercury in walleye	EPA approved regional mercury TMDL on December 20, 2007
	02	Poultney River, Mouth Upstrm to Carvers Falls (10.4 Miles)	FC	MERCURY IN FISH TISSUE	Elevated levels of mercury in walleye	EPA approved regional mercury TMDL on December 20, 2007
VT02-05	03	Flower Brook, Mouth to rm 0.5	CR	ESCHERICHIA COLI (E. COLI)	Elevated E. coli monitoring results	EPA approved TMDL September 30, 2011
VT03-01	01	Otter Creek, Mouth of Middlebury River to Pulp Mill Bridge (4.0 Mi)	CR	ESCHERICHIA COLI (E. COLI)	Agricultural runoff, possible failed septic systems, Middlebury CSOs	EPA approved TMDL September 30, 2011
	02	Lower Otter Creek, Mouth Upstream to Vergennes Dam (Approx 7.6 Miles)	FC	MERCURY IN FISH TISSUE	Elevated levels of mercury in walleye	EPA approved regional mercury TMDL on December 20, 2007

Waterbody ID	Code	Waterbody Name	Impaired Use(s)	Pollutant	Problem	Status
VT03-06	01	Moon Brook, Mouth to 1.5	ALS	TEMPERATURE, POLLUTANTS IN URBAN STORMWATER	Elevated instream temperatures; impoundments and lack of shading	thermal TMDL completed by VTDEC and approved by EPA region 1, May 2018
	02	Mussey Brook, Mouth to rm 0.6	ALS	POLLUTANTS IN URBAN STORMWATER, TEMPERATURE	Elevated instream temperatures; trout avoidance of stream reaches	thermal TMDL completed by VTDEC and approved by EPA region 1, May 2018
	04	Moon Brook, rm 1.5 to rm 2.9	ALS	TEMPERATURE, POLLUTANTS IN URBAN STORMWATER	Elevated instream temperatures; impoundments and lack of shading	thermal TMDL completed by VTDEC and approved by EPA region 1, May 2018
	05	Mussey Brook, rm 0.6 to rm 1.2	ALS	TEMPERATURE, POLLUTANTS IN URBAN STORMWATER	Elevated instream temperatures; trout avoidance of stream reaches	thermal TMDL completed by VTDEC and approved by EPA region 1, May 2018
VT03-07	01	Little Otter Creek, Mouth to rm 1.0	CR, FC	ESCHERICHIA COLI (E. COLI), MERCURY IN FISH TISSUE	Elevated E. coli monitoring results	EPA approved TMDL September 30, 2011
	02	Little Otter Creek, rm 15.4 to rm 16.4	CR	ESCHERICHIA COLI (E. COLI)	Agricultural runoff	EPA approved TMDL September 30, 2011
	03	Little Otter Creek, rm 1.0 to rm 7.8	CR	ESCHERICHIA COLI (E. COLI)	Elevated E. coli monitoring results	EPA approved TMDL September 30, 2011
VT03-08	01	Lewis Creek, Parsonage Bridge Rd (Lcr19.5) to Covered Brdg (Lcr7.3)	CR	ESCHERICHIA COLI (E. COLI)	Agricultural runoff	EPA approved TMDL September 30, 2011
	02	Pond Brook, from Lewis Creek Confluence Upstream (1.5 Miles)	CR	ESCHERICHIA COLI (E. COLI)	Agricultural runoff	EPA approved TMDL September 30, 2011
VT03-09	01	Lower Dead Creek, from Mouth Upstream (Approx 3 Miles)	FC	MERCURY IN FISH TISSUE	Elevated levels of mercury in walleye	EPA approved regional mercury TMDL on December 20, 2007
VT03-11	L01	North Pond (Bristol)	AH, ALS	PH	Atmospheric deposition: critically acidified; chronic acidification	EPA approved TMDL September 30, 2003
	L02	Gilmore Pond (Bristol)	AH, ALS	PH	Atmospheric deposition: extremely sensitive to acidification; episodic acidification	EPA approved TMDL September 30, 2003
VT03-12	01	Middlebury River, from Mouth Upstream 2 Miles	CR	ESCHERICHIA COLI (E. COLI)	Agricultural runoff, livestock, possible failed septic systems	EPA approved TMDL September 30, 2011

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VT03-14	L03	Chittenden Reservoir (Chittenden)	FC	MERCURY IN FISH TISSUE	Elevated levels of mercury in walleye	EPA approved regional mercury TMDL on December 20, 2007
VT03-18	L02	Griffith Lake (Peru)	AH, ALS	PH	Atmospheric deposition: extremely sensitive to acidification; episodic acidification	EPA approved TMDL September 30, 2003
	L03	Big Mud Pond (Mt. Tabor)	AH, ALS	PH	Atmospheric deposition: extremely sensitive to acidification; episodic acidification	EPA approved TMDL September 30, 2003
	L06	Long Hole (Mt. Tabor)	AH, ALS	PH	Atmospheric deposition: critically acidified; chronic acidification	EPA approved TMDL September 30, 2003
	L07	Little Mud (Mt. Tabor)	AH, ALS	PH	Atmospheric deposition: extremely sensitive to acidification; episodic acidification	EPA approved TMDL September 30, 2003
VT04-01	L01	Otter Creek Section - Lake Champlain (Ferrisburg)	AES, CR, FC	MERCURY IN FISH TISSUE, PHOSPHORUS	Phosphorus enrichment	EPA approved Lake Champlain phosphorus TMDL June 2016
	L02	Port Henry Section - Lake Champlain (Ferrisburg)	AES, CR, FC	PHOSPHORUS, MERCURY IN FISH TISSUE	Elevated levels of mercury in walleye	EPA approved regional mercury TMDL on December 20, 2007
VT04-02	L01	Southern Section - Lake Champlain (Bridport)	AES, CR, FC	PHOSPHORUS, MERCURY IN FISH TISSUE	Elevated levels of mercury in walleye	EPA approved regional mercury TMDL on December 20, 2007
VT04-04	L05	Southern Section (B) - Lake Champlain (Bridport)	AES, CR, FC	PHOSPHORUS, MERCURY IN FISH TISSUE	Phosphorus enrichment	EPA approved Lake Champlain phosphorus TMDL June 2016
VT05-01	L01	Missisquoi Bay - Lake Champlain (Alburg)	AES, CR, FC	PHOSPHORUS, MERCURY IN FISH TISSUE	Elevated levels of mercury in walleye	EPA approved regional mercury TMDL on December 20, 2007
VT05-02	L01	Lake Carmi (Franklin)	ALL USES	PHOSPHORUS	Algae blooms	EPA approved TMDL April 13, 2009
VT05-04	L01	Northeast Arm - Lake Champlain (Swanton)	AES, CR, FC	MERCURY IN FISH TISSUE, PHOSPHORUS	Elevated levels of mercury in walleye	EPA approved regional mercury TMDL on December 20, 2007
	L02	Isle Lamotte - Lake Champlain (Alburg)	AES, CR, FC	MERCURY IN FISH TISSUE, PHOSPHORUS	Phosphorus enrichment	EPA approved Lake Champlain phosphorus TMDL June 2016
VT05-07	02	Rugg Brook, rm 3.1 to rm 5.3	AES, ALS	POLLUTANTS IN URBAN STORMWATER	Stormwater runoff	EPA approved TMDL February 19, 2009

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	07	Stevens Brook, rm 6.5 (Pearl St) to rm 9.3	AES, ALS	POLLUTANTS IN URBAN STORMWATER	Stormwater runoff, erosion/ sedimentation, morphological instability	EPA approved TMDL February 19, 2009
	L01	St. Albans Bay - Lake Champlain (St. Albans)	AES, CR, FC	PHOSPHORUS, MERCURY IN FISH TISSUE	Phosphorus enrichment	EPA approved Lake Champlain phosphorus TMDL June 2016
VT05-09	01	Indian Brook, rm 5.8 (Suzie Wilson Rd) to rm 9.8	AES, ALS	POLLUTANTS IN URBAN STORMWATER	Stormwater runoff, land development, erosion	EPA approved TMDL August 21, 2008
	02	Direct Smaller Drainages to Inner Malletts Bay	CR	ESCHERICHIA COLI (E. COLI)	urban runoff, potential failed/failing septic systems; includes smith hollow brook & crooked creek	EPA approved TMDL September 30, 2011
	L01	Malletts Bay - Lake Champlain (Colchester)	AES, CR, FC	PHOSPHORUS, MERCURY IN FISH TISSUE	Elevated levels of mercury in walleye	EPA approved regional mercury TMDL on December 20, 2007
VT05-10	01	Englesby Brook, Mouth to rm 1.3	AES, ALS, CR, CRB	POLLUTANTS IN URBAN STORMWATER, ESCHERICHIA COLI (E. COLI)	Stormwater runoff, blanchard beach closure	EPA approved TMDL September 30, 2007
	L01	Burlington Bay - Lake Champlain (Burlington)	AES, CR, FC	PHOSPHORUS, MERCURY IN FISH TISSUE	Phosphorus enrichment	EPA approved Lake Champlain phosphorus TMDL June 2016
	L02	Main Section - Lake Champlain (South Hero)	AES, CR, FC	PHOSPHORUS, MERCURY IN FISH TISSUE	Phosphorus enrichment	EPA approved Lake Champlain phosphorus TMDL June 2016
VT05-11	01	Munroe Brook, Mouth to rm 2.8 (Including North Trib.)	ALS	POLLUTANTS IN URBAN STORMWATER	Stormwater runoff, erosion, land development	EPA approved TMDL August 21, 2008
	02	Bartlett Brook, Mouth to rm 0.7	ALS	POLLUTANTS IN URBAN STORMWATER	Stormwater runoff, land development, erosion	EPA approved TMDL September 30, 2007
	03	Potash Brook, Mouth Upstream 1 Mile	ALS, CR	POLLUTANTS IN URBAN STORMWATER, ESCHERICHIA COLI (E. COLI)	Stormwater runoff, land development, erosion	EPA approved TMDL December 19, 2006
	04	Laplatte River from Hinesburg to Mouth (10.5 Miles)	CR, FC	ESCHERICHIA COLI (E. COLI), MERCURY IN FISH TISSUE	Agricultural runoff	EPA approved TMDL September 30, 2011
	05	Mud Hollow Brook, from Mouth to 3 Miles Upstream	CR	ESCHERICHIA COLI (E. COLI)	Agricultural runoff, streambank erosion	EPA approved TMDL September 30, 2011
	07	Potash Brook, 1189 River Upstream 4.2 Miles	ALS	POLLUTANTS IN URBAN STORMWATER	Stormwater runoff, land development, erosion	EPA approved TMDL December 19, 2006

Waterbody ID	Code	Waterbody Name	Impaired Use(s)	Pollutant	Problem	Status
	08	Laplatte River from Hinesburg to Mouth (10.5 Miles)	CR	ESCHERICHIA COLI (E. COLI)	Agricultural runoff	EPA approved TMDL September 30, 2011
	L01	Shelburne Bay - Lake Champlain (Shelburne)	AES, CR, FC	PHOSPHORUS, MERCURY IN FISH TISSUE	Elevated levels of mercury in walleye	EPA approved regional mercury TMDL on December 20, 2007
VT06-01	01	Missisquoi River, Mouth Upstrm to Swanton Dam (Approx 8 Miles)	FC	MERCURY IN FISH TISSUE	Elevated levels of mercury in walleye	EPA approved regional mercury TMDL on December 20, 2007
VT06-04	01	Berry Brook, Mouth Up to and Including N. Trib (Approx. 1 Mile)	CR	ESCHERICHIA COLI (E. COLI)	Elevated E. coli levels	EPA approved TMDL September 30, 2011
	02	Godin Brook	CR	ESCHERICHIA COLI (E. COLI)	Elevated E. coli levels	EPA approved TMDL September 30, 2011
	03	Samsonville Brook	CR	ESCHERICHIA COLI (E. COLI)	Elevated E. coli levels	EPA approved TMDL September 30, 2011
VT06-06	L01	Kings Hill Pond (Bakersfield)	AH, ALS	PH	Atmospheric deposition: extremely sensitive to acidification; episodic acidification	EPA approved TMDL September 30, 2003
VT07-01	01	Lamoille River, Mouth to Clarks Falls Dam (8.5 Miles)	FC	MERCURY IN FISH TISSUE	Elevated levels of mercury in walleye	EPA approved regional mercury TMDL on December 20, 2007
	02	Lamoille River, Mouth to Clarks Falls Dam (8.5 Miles)	FC	MERCURY IN FISH TISSUE	Elevated levels of mercury in walleye	EPA approved regional mercury TMDL on December 20, 2007
VT07-03	L03	Arrowhead Mountain Lake (Milton)	FC	MERCURY IN FISH TISSUE	Elevated levels of mercury in walleye	EPA approved regional mercury TMDL on December 20, 2007
VT07-13	L02	Lake-Of-The-Clouds (Cambridge)	AH, ALS	PH	Atmospheric deposition: critically acidified; chronic acidification	EPA approved TMDL September 30, 2003
VT08-01	01	Winooski River, Mouth to Winooski Dam	FC	MERCURY IN FISH TISSUE	Elevated levels of mercury in walleye	EPA approved regional mercury TMDL on December 20, 2007
VT08-02	01	Allen Brook, rm 2.4 to rm 5.0 (Talcott Rd)	ALS, CR	POLLUTANTS IN URBAN STORMWATER, ESCHERICHIA COLI (E. COLI)	Stormwater runoff, land development; erosion	EPA approved TMDL August 21, 2008
	04	Sunderland Brook, rm 3.5 (Rt. 7) to rm 5.3	AES, ALS	POLLUTANTS IN URBAN STORMWATER	Stormwater runoff, land development; erosion	EPA approved TMDL August 21, 2008

Waterbody ID	Code	Waterbody Name	Impaired Use(s)	Pollutant	Problem	Status
	05	Centennial Brook, Mouth to rm 1.2	ALS	POLLUTANTS IN URBAN STORMWATER	Stormwater runoff, land development; erosion	EPA approved TMDL September 30, 2007
	06	Morehouse Brook, Mouth to rm 0.6	ALS	POLLUTANTS IN URBAN STORMWATER	Stormwater runoff, erosion	EPA approved TMDL September 30, 2007
VT08-09	02	Winooski River - Cabot Village	CR	ESCHERICHIA COLI (E. COLI)	Residential direct discharges &/or failed septic systems	EPA approved TMDL March 8, 2001
VT08-10	01	Huntington River, Vicinity of Bridge Street in Huntington	CR	ESCHERICHIA COLI (E. COLI)	Elevated E. coli levels detected at several sampling stations	EPA approved TMDL September 30, 2011
VT08-18	01	Mad River, Mouth to Moretown (6.2 Miles)	CR	ESCHERICHIA COLI (E. COLI)	Possible failing septic systems and other unknown sources; elevated E. coli levels	EPA approved TMDL September 30, 2011
VT09-07	L01	Skylight Pond (Ripton)	AH, ALS	PH	Atmospheric deposition: extremely sensitive to acidification; episodic acidification	EPA approved TMDL September 20, 2004
VT11-08	L01	Sunset Lake (Marlboro)	AH, ALS	PH	Atmospheric deposition: extremely sensitive to acidification; episodic acidification	EPA approved TMDL September 30, 2003
VT11-15	02	Styles Brook (2 Miles)	AES, ALS	SEDIMENT	Land development, hydrologic modification	EPA approved TMDL June 21, 2002
	L01	Forester Pond (Jamaica)	AH, ALS	PH	Atmospheric deposition: critically acidified; chronic acidification	EPA approved TMDL September 30, 2003
	L02	Little Pond (Winhall)	AH, ALS	PH	Atmospheric deposition: extremely sensitive to acidification; episodic acidification	EPA approved TMDL September 20, 2004
VT11-16	L01	Stratton Pond (Stratton)	AH, ALS	PH	Atmospheric deposition: extremely sensitive to acidification; episodic acidification	EPA approved TMDL September 30, 2003
VT11-17	01	West River, Approx 1 Mile Below to 0.5 Mile Above South Londonderry	CR	ESCHERICHIA COLI (E. COLI)	Possible septic system discharges	EPA approved TMDL September 30, 2011
VT11-18	L06	Moses (Weston)	AH, ALS	PH	Atmospheric deposition: critically acidified; chronic acidification	EPA approved TMDL September 30, 2003
VT12-01	L01	Harriman Reservoir (Whitingham)	FC	MERCURY IN FISH TISSUE	Elevated level of mercury in all fish except brown bullhead	EPA approved regional mercury TMDL on December 20, 2007
	L04	Sherman Reservoir (Whitingham)	FC	MERCURY IN FISH TISSUE	Elevated level of mercury in all fish except brown bullhead	EPA approved regional mercury TMDL on December 20, 2007



Waterbody ID	Code	Waterbody Name	Impaired Use(s)	Pollutant	Problem	Status
VT12-02	L02	Howe Pond (Readsboro)	AH, ALS	PH	Atmospheric deposition: extremely sensitive to acidification; episodic acidification	EPA approved TMDL September 30, 2003
	L03	Stamford Pond (Stamford)	AH, ALS	PH	Atmospheric deposition: extremely sensitive to acidification; episodic acidification	EPA approved TMDL September 30, 2003
VT12-03	01	East Branch Deerfield River, Below Somerset Dam	FC	MERCURY IN FISH TISSUE	Elevated levels of mercury in all fish	EPA approved regional mercury TMDL on December 20, 2007
	L01	Grout Pond (Stratton)	AH, ALS, FC	MERCURY IN FISH TISSUE, PH	Atmospheric deposition: extremely sensitive to acidification; episodic acidification	EPA approved TMDL September 30, 2003
	L02	Somerset Reservoir (Somerset)	AH, ALS, FC	PH, MERCURY IN FISH TISSUE	Elevated level of mercury in all fish except brown bullhead	EPA approved regional mercury TMDL on December 20, 2007
VT12-04	01	Upper Deerfield River, Below Searsburg Dam	FC	MERCURY IN FISH TISSUE	Elevated levels of mercury in all fish	EPA approved regional mercury TMDL on December 20, 2007
	L01	Adams Reservoir (Woodford)	AH, ALS	PH	Atmospheric deposition: extremely sensitive to acidification; episodic acidification	EPA approved TMDL September 30, 2003
	L02	Lost Pond (Glastenbury)	AH, ALS	PH	Atmospheric deposition: critically acidified; chronic acidification	EPA approved TMDL September 20, 2004
	L04	Little Pond (Woodford)	AH, ALS	PH	Atmospheric deposition: critically acidified; chronic acidification	EPA approved TMDL September 30, 2003
	L05	Searsburg Reservoir (Searsburg)	FC	MERCURY IN FISH TISSUE	Elevated level of mercury in all fish except brown bullhead	EPA approved regional mercury TMDL on December 20, 2007
VT12-05	02	No. Branch, Deerfield River, Vicinity of West Dover	CR	ESCHERICHIA COLI (E. COLI)	High E. coli levels; cause(s) & source(s) unknown; needs assessment	EPA approved TMDL September 30, 2011
	L01	Haystack Pond (Wilmington)	AH, ALS	PH	Atmospheric deposition: critically acidified; chronic acidification	EPA approved TMDL September 30, 2003
VT12-07	L01	South Pond (Marlboro)	AH, ALS	PH	Atmospheric deposition: extremely sensitive to acidification; episodic acidification	EPA approved TMDL September 30, 2003
VT13-14	01	Whetstone Brook - Brattleboro	CR	ESCHERICHIA COLI (E. COLI)	Sources unknown, potentially faulty sewer line/septic system	EPA approved TMDL September 30, 2011
VT13-16	L01	Lily Pond (Vernon)	AH, ALS	PH, LOW	Atmospheric deposition; extremely sensitive to acidification; episodic acidification	TMDL EPA approved September 27, 2012

Waterbody ID	Code	Waterbody Name	Impaired Use(s)	Pollutant	Problem	Status
VT14-03	01	Ompompanoosuc River, Usacoe Beach Area to Brimstone Corner (9.8 Mi)	CR	ESCHERICHIA COLI (E. COLI)	Elevated E. coli levels	EPA approved TMDL September 30, 2011
VT14-07	L01	Levi Pond (Groton)	AH, ALS	PH	Atmospheric deposition: extremely sensitive to acidification; episodic acidification	EPA approved TMDL September 20, 2004
VT16-04	L01	Moore Reservoir (Waterford)	FC	MERCURY IN FISH TISSUE	Elevated levels of mercury in all fish	EPA approved regional mercury TMDL on December 20, 2007
VT16-05	L01	Comerford Reservoir (Barnet)	FC	MERCURY IN FISH TISSUE	Elevated levels of mercury in all fish	EPA approved regional mercury TMDL on December 20, 2007
VT16-11	L01	Unknown Pond (Averys Gore)	AH, ALS	PH	Atmospheric deposition: extremely sensitive to acidification; episodic acidification	EPA approved TMDL September 30, 2003
VT17-01	L01	Lake Memphremagog	AES, CR	PHOSPHORUS	Excessive algae growth, nutrient enrichment	EPA approved TMDL September 28, 2017
VT17-02	L06	Duck Pond (Holland)	AH, ALS	PH	Atmospheric deposition: extremely sensitive to acidification; episodic acidification	EPA approved TMDL September 30, 2003
VT17-03	L03	Halfway Pond (Norton)	AH, ALS	PH	Atmospheric deposition: critically acidified; chronic acidification	EPA approved TMDL September 30, 2003
VT17-04	L04	Lake Salem (Derby)	FC	MERCURY IN FISH TISSUE	Elevated levels of mercury in walleye	EPA approved regional mercury TMDL on December 20, 2007