

# STATE OF VERMONT

2018

## LIST OF PRIORITY SURFACE WATERS

### PART F. SURFACE WATERS ALTERED BY FLOW REGULATION

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## Overview

Waters appearing in **Part F** of the Vermont Priority Waters List are assessed as “altered.” They represent priority management situations where aquatic habitat and/or other designated uses have been altered by flow regulation. Alterations arise from flow fluctuation, obstructions, or other manipulations of water levels that originate from hydroelectric facilities, dam operations or water withdrawals for industrial or municipal water supply or snowmaking purposes. These waters correspond to Category 4c of EPA’s Consolidated Assessment Listing Methodology.

## Explanation of Column Headings

Waterbody ID - An alphanumeric code used to spatially locate designated surface waterbodies. For example, VT01-02 and VT01-03L05 represent a river and a lake waterbody, respectively, which are located in Vermont river basin #01. There are 17 river basins for planning purposes identified in Vermont. A statewide map that names these 17 river basins and identifies their approximate boundaries has been referenced earlier.

Segment Name/Description - The name of the river/stream segment or lake/pond.

Use(s) Impacted - An indication of which designated or existing uses are impacted by flow alteration. The following conventions are used to represent a specific use:

AES - aesthetics

ALS or AH - aquatic life (biota and/or habitat) support

AWS - agricultural water supply

2CR - secondary contact recreation (fishing, boating)

FC - fish consumption

DWS - drinking water supply

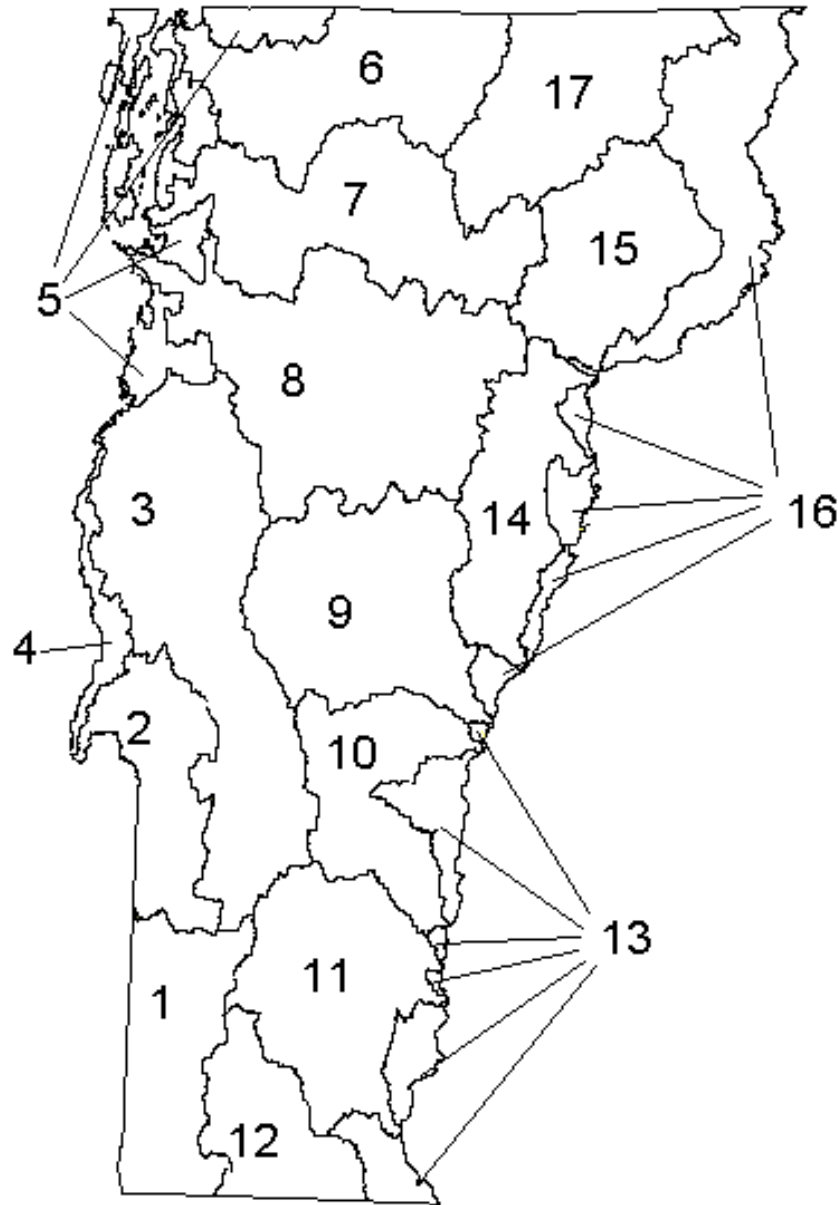
CR - contact recreation (i.e. swimming)

Surface Water Quality Problem - A brief description of the type of flow regulation problem affecting the segment. Situations with a threat to water quality are so noted.

Current Status/Management or Control Activity - An indication of current situation and/or recent or on-going management or control efforts.

Projected WQS Compliance Year - For those entries altered by flow regulation and that are associated with hydropower production, the year of facility compliance with the Vermont Water Quality Standards is provided as a projection (estimate). .

## Major Vermont River Basins



1. Battenkill
2. Poultney-Mettawee
3. Otter Creek
4. Lower Lake Champlain
5. Upper Lake Champlain
6. Missisquoi
7. Lamoille
8. Winooski
9. White
10. Ottauquechee
11. West
12. Deerfield
13. Lower Connecticut
14. Wells, Waits, Ompompanoosic
15. Passumpsic
16. Upper Connecticut
17. Lake Memphremagog

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VT01-03	02	BASIN BROOK	ALS	POSSIBLE LACK OF MINIMUM FLOW BELOW WATER SUPPLY WITHDRAWAL POINT	WSID #5017 - NORTH BENNINGTON WATER DEPT; SERVES AS BACK UP SUPPLY SOURCE TO GRAVEL WELL FIELD. PERMIT DOWN TO 3.0 MGD FROM 4.0 MGD	
	03	BOLLES BROOK/ROARING BRANCH, INTAKE TO CITY STREAM CONFLUENCE	ALS	POSSIBLE LACK OF MINIMUM FLOW BELOW WATER SUPPLY WITHDRAWAL POINT	WSID #5016 - BENNINGTON WATER DEPT; ASSESSMENT OF WATER WITHDRAWAL IMPACT DIFFICULT GIVEN LOW PRODUCTIVITY & LOW pH	
VT01-05		HOPPER BROOK	ALS	ARTIFICIAL FLOW REGIME AND CONDITION BY HYDRO OPERATIONS MAY ALTER AQUATIC HABITAT	UNLICENSED HYDROELECTRIC PROJECT	2022
VT01-05L02		LAKE MADELEINE	ALS	WATER LEVEL FLUCTUATION ALTERS AQUATIC HABITAT	UNLICENSED HYDRO FACILITY	2022
VT02-03	02	LAKE BOMOSEEN OUTLET STREAM (0.4 MI)	ALS	FLOW FLUCTUATION AND NO MINIMUM FLOW BELOW THE LAKE BOMOSEEN DAM USED TO MANAGE WATER LEVEL	WATER LEVELS REQUIRED BY WATER RESOURCES BOARD ISSUED MAY 1983	
VT03-04	01	LEICESTER RIVER, FROM DAM ON LAKE DUNMORE TO 1.0 MILE DOWNSTREAM	ALL USES	ARTIFICIAL FLOW REGULATION & CONDITION BY HYDRO	UNLICENSED FACILITY	2019
	01	LEICESTER RIVER, FROM SALISBURY DAM TO 5 MILES DOWNSTREAM	ALL USES	ARTIFICIAL FLOW REGULATION & CONDITION BY HYDRO	UNLICENSED FACILITY	2019
	01		ALS	POSSIBLE DOWNSTREAM FISH PASSAGE PROBLEM AT DAM (THREAT)	UNLICENSED FACILITY	2019
VT03-04L05		LAKE DUNMORE (Salisbury)	ALS	WATER LEVEL MGMT BY HYDRO ALTERS AQUATIC BIOTA	LAKE ASSOC. HAS WATER LEVEL AGREEMENT W/GMP	2019
VT03-12	03	SOUTH BRANCH, MIDDLEBURY RIVER (1.4 MILES)	ALS	ARTIFICIAL FLOW CONDITION, INSUFFICIENT FLOW BELOW SNOW BOWL SNOWMAKING WATER WITHDRAWAL	PARTIAL SUPPORT 1.4 MI (6.0 MI TOTAL LENGTH)	
VT03-14	02	EAST CREEK, CHITTENDEN RESERVOIR TO 4 MILES DOWNSTREAM	ALL USES	ARTIFICIAL FLOW REGULATION & CONDITION BY DAM; ONLY LOCAL DRAINAGE BELOW	UNLICENSED FACILITY	2020

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VT03-14	02	EAST CREEK, FROM GLEN DAM TO 3.0 MILES DOWNSTREAM	ALS	POSSIBLE FISH PASSAGE PROBLEM AT DAM (THREAT)	UNLICENSED FACILITY	2020
	02		ALL USES	ARTIFICIAL FLOW REGULATION & CONDITION BY HYDRO	UNLICENSED FACILITY	2020
	02	EAST CREEK, FROM PATCH DAM TO 2.4 MILES DOWNSTREAM	ALL USES	ARTIFICIAL FLOW REGULATION & CONDITION BY HYDRO	UNLICENSED FACILITY	2020
	02		ALS	POSSIBLE FISH PASSAGE PROBLEM AT DAM (THREAT)	UNLICENSED FACILITY	2020
	03	MENDON BROOK (3.3 MILES)	ALS	ARTIFICIAL FLOW CONDITION, INSUFFICIENT FLOW BELOW PICO SNOWMAKING WATER WITHDRAWAL	PARTIAL SUPPORT 3.3 MI (6.9 MI TOTAL LENGTH)	2021
		TRIB TO EAST CREEK, HYDRO FACILITY TO EAST CK CONFLUENCE	ALS	LOW DO DOWNSTREAM OF HYDRO FACILITY	UNLICENSED FACILITY	2020
VT03-14L03		CHITTENDEN RESERVOIR (Chittenden)	ALS	WATER LEVEL FLUCTUATION BY HYDRO ALTERS AQUATIC BIOTA & WETLANDS	UNLICENSED FACILITY	2020
VT03-14L05		PATCH POND (Rutland)	ALS	WATER LEVEL FLUCTUATIONS MAY ALTER AQUATIC BIOTA	UNLICENSED FACILITY	2020
VT06-01	03	MISSISQUOI RIVER, BELOW HIGATE FALLS TO LOWER SWANTON DAM (7.3 MI)	ALS	ARTIFICIAL FLOW FLUCTUATING AND CONDITION BY HYDROPOWER PRODUCTION	FERC LICENSE EXPIRES IN 2024	
	02, 03	MISSISQUOI RIVER, SHELDON SPRINGS PROJECT TO LOWR SWANTON DAM (15.5MI)	ALS, 2CR	ARTIFICIAL FLOW FLUCTUATING AND CONDITION BY HYDROPOWER PRODUCTION	FERC LICENSE EXPIRES 2024	
VT06-02	01	MISSISQUOI RIVER, BELOW ENOSBURG FALLS DAM (0.1 MILE)	ALS	ARTIFICIAL FLOW REGULTATION & CONDITION BY HYDRO	FERC LICENSE EXPIRES IN 2023	2023

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VT06-04		STANHOPE BROOK	ALS	POSSIBLE LACK OF MINIMUM FLOW BELOW WATER SUPPLY WITHDRAWAL POINT	RICHFORD WATER SUPPLY	
VT06-08	08	JAY BRANCH (4.7 MILES)	ALS	ARTIFICIAL & INSUFFICIENT FLOW BELOW JAY PEAK SNOWMAKING WATER WITHDRAWAL	PARTIAL SUPPORT 4.7 MI (8.7 MI TOTAL LENGTH); JAY PEAK EVALUATING EXPANSION/ALTERNATIVES	
VT07-04	01	MID-LAMOILLE RIVER, IMMEDIATELY BELOW CADYS FALLS DAM (0.3 MILES)	AES	ARTIFICIAL DEWATERING OF FALLS BY HYDRO	APPLICANT APPEALED SECTION 401 WQ CERT.; ENVIRONMENTAL COURT HEARING SCHEDULED FOR EARLY 2018	2018
	01		ALS	POSSIBLE FISH PASSAGE PROBLEM AT DAM; LACK OF FLOWS TO SUPPORT AQUATIC HABITAT	APPLICANT APPEALED SECTION 401 WQ CERT.; ENVIRONMENTAL COURT HEARING SCHEDULED FOR EARLY 2018	2018
VT07-07		LAMOILLE RIVER - HARDWICK LAKE TO LAKE LAMOILLE IN MO'VILLE (15.7 MI)	AES, ALS	WOLCOTT DAM: IMPOUNDMENT WATER LEVEL FLUCTUATION BY HYDRO IMPAIRS AQUATIC HABITAT; EROSION (THREAT)	UNLICENSED FACILITY	2024
			ALS	WOLCOTT DAM: POSSIBLE FISH PASSAGE PROBLEM AT DAM (THREAT)	UNLICENSED FACILITY	2024
			ALS	POSSIBLE FISH PASSAGE PROBLEM AT DAMS (THREAT)		2024
			AES, ALS, 2CR	HARDWICK LAKE DAM: ARTIFICIAL FLOW REGIME DOWNRIVER		2024
			AES, ALS, 2CR	BELOW MORRISVILLE DAM: NO FLOW IN BYPASS IMPAIRS AESTHETICS, RECREATION, HABITAT	APPLICANT APPEALED SECTION 401 WQ CERT.; ENVIRONMENTAL COURT HEARING SCHEDULED FOR EARLY 2018	2018
			AES, ALS, 2CR	WOLCOTT DAM: ARTIFICIAL & POOR FLOW REGIME DOWNSTREAM (THREAT)	UNLICENSED FACILITY	2024
VT07-07L01		LAKE LAMOILLE (Morristown)	ALS	WATER LEVEL FLUCT'N BY HYDRO MAY ALTER AQUATIC HABITAT	APPLICANT APPEALED SECTION 401 WQ CERT.; ENVIRONMENTAL COURT HEARING SCHEDULED FOR EARLY 2018	2018
VT07-08	02	ELMORE POND BROOK-FROM DAM TO 2.2 MILES DOWNSTREAM	ALL USES	ARTIFICIAL FLOW REGULATION & CONDITION BY DAM	APPLICANT APPEALED SECTION 401 WQ CERT.; ENVIRONMENTAL COURT HEARING SCHEDULED FOR EARLY 2018	2018

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VT07-08L02		LAKE ELMORE (Elmore)	ALS	WATER LEVEL FLUCT'N BY HYDRO MAY ALTER AQUATIC HABITAT	APPLICANT APPEALED SECTION 401 WQ CERT.; ENVIRONMENTAL COURT HEARING SCHEDULED FOR EARLY 2018	2018
VT07-13	02	UNNAMED BROOK, TRIB TO BREWSTER RIVER (1 MILE)	ALS	ARTIFICIAL FLOW CONDITION, INSUFFICIENT FLOW BELOW MORSE RESERVOIR, USED FOR DOMESTIC WATER	NON-SUPPORT 1.0 MI (2.7 MI TOTAL LENGTH); DOMESTIC WATER USE	
VT07-18	01	GREEN RIVER, DOWNSTREAM FROM RESERVOIR 4.7 MILES	ALS	ARTIFICIAL FLOW REGIME AND CONDITION BY HYDRO OPERATIONS ALTERS AQUATIC HABITAT	APPLICANT APPEALED SECTION 401 WQ CERT.; ENVIRONMENTAL COURT HEARING SCHEDULED FOR EARLY 2018	2018
VT07-18L03		GREEN RIVER RESERVOIR	ALS	WATER LEVEL FLUCTUATION AND WINTER DRAWDOWN ALTERS AQUATIC HABITAT	APPLICANT APPEALED SECTION 401 WQ CERT.; ENVIRONMENTAL COURT HEARING SCHEDULED FOR EARLY 2018	2018
VT07-21L05		HARDWICK LAKE (Hardwick)	AES, ALS, 2CR	WATER LEVEL FLUCT'N BY HYDRO ALTERS AQUATIC HABITAT & WETLANDS	NO LONGER MANAGED FOR HYDRO; LAKE DRAINED DURING FALL WINTER FOR ICE CONTROL	2024
VT08-04	01	JOINER BROOK (2.9 MILES)	ALS	ARTIFICIAL & INSUFFICIENT FLOW BELOW BOLTON VALLEY SNOWMAKING WATER WITHDRAWAL	NON-SUPP 2.9 MI (5.7 MI TOTAL LENGTH)	
VT08-05	02	WINOOSKI RIVER AT MIDDLESEX #2 DAM	AES	ARTIFICIAL DEWATERING OF BYPASS BY HYDRO	UNLICENSED FACILITY	2022
	02	WINOOSKI RIVER, IMPOUNDMENT OF MIDDLESEX #2 HYDRO (2 MILES)	AES, ALS	WATER LEVEL FLUCTUATION BY HYDRO CAUSES IMPOUNDMENT STREAMBANK EROSION	UNLICENSED FACILITY	2022
VT08-06	01	TYLER BRK (0.1 MI) & MERRIAM BRK (0.1 MI), THATCHER BROOK TRIBS	ALL USES	ARTIFICIAL & INADEQUATE FLOW CONDITION BELOW WATERBURY VILLAGE PUBLIC WATER SUPPLY WITHDRAWAL POINT	WSID #5284 - WATERBURY VILLAGE WATER	
VT08-09	01	MOLLYS FALLS BROOK (2 MILES)	ALL USES	ARTIFICIAL FLOW CONDITION CREATED BY HYDRO; BYPASSES ONE OF VT'S HIGHEST WATERFALLS. ELEVATED DOWNSTREAM TEMPS.	UNLICENSED FACILITY; OWNER FILING APPLICATION FOR CERTIFICATE OF PUBLIC GOOD WITH PUC IN EARLY 2018 TO REPAIR SPILLWAY AT THE MOLLYS FALLS DAM	2018
	01	SUCKER BROOK BELOW PEACHAM POND (1 MILE)	ALL USES	ARTIFICIAL FLOW REGULATION & CONDITION BELOW HYDRO DAM	UNLICENSED FACILITY; OWNER FILING APPLICATION FOR CERTIFICATE OF PUBLIC GOOD WITH PUC IN EARLY 2018 TO REPAIR SPILLWAY AT THE MOLLYS FALLS DAM	2018

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VT08-09L03		PEACHAM POND (Peacham)	ALS	WATER LEVEL FLUCT'N BY HYDRO-RELATED DAM MAY ALTER AQUATIC HABITAT	UNLICENSED FACILITY; OWNER FILING APPLICATION FOR CERTIFICATE OF PUBLIC GOOD WITH PUC IN EARLY 2018 TO REPAIR SPILLWAY AT THE MOLLYS FALLS DAM	2018
VT08-09L05		MOLLYS FALLS RESERVOIR (Cabot)	ALS, CR, 2CR	WATER LEVEL FLUCT'N BY HYDRO ALTERS AQUATIC HABITAT & RECREATION	UNLICENSED FACILITY; OWNER FILING APPLICATION FOR CERTIFICATE OF PUBLIC GOOD WITH PUC IN EARLY 2018 TO REPAIR SPILLWAY AT THE MOLLYS FALLS DAM	2018
VT08-11	01	LOWER LITTLE RIVER BELOW HYDRO DAM (2.6 MILES)	ALL USES	ARTIFICIAL FLOW REGIME IN THE WINTER	NEW TURBINE RUNNER AND BYPASS FLOW VALVE WILL BE OPERATIONAL IN MAY 2018; WINTER DRAWDOWN WILL CONTINUE UNTIL TANNER GATES ARE REPLACED	2022
VT08-11L02		WATERBURY RESERVOIR (Waterbury)	ALL USES	WINTER DRAWDOWN ALTERS ALL USES	NEW TURBINE RUNNER AND BYPASS FLOW VALVE WILL BE OPERATIONAL IN MAY 2018; WINTER DRAWDOWN WILL CONTINUE UNTIL TANNER GATES ARE REPLACED	2022
VT08-16	03	BENJAMIN FALLS BROOK (POND BROOK) FROM BERLIN POND TO MOUTH	ALS, AES	ARTIFICIAL DEWATERING OF BROOK BY MONTPELIER & BERLIN WATER SUPPLY WITHDRAWALS	WSID #5272	
VT08-20	02	MILL BROOK (2.1 MILES)	ALS	ARTIFICIAL & INSUFFICIENT FLOW BELOW MAD RIVER GLEN SNOWMAKING WATER WITHDRAWAL	PARTIAL SUPPORT 2.1 MI (5.9 MI TOTAL LENGTH)	
	03	SLIDE BROOK (0.8 MILE)	ALS	ARTIFICIAL & INSUFFICIENT FLOW BELOW MT. ELLEN SNOWMAKING WATER WITHDRAWAL	NON-SUPPORT 0.8 MI (3.4 MI TOTAL LENGTH)	
VT09-06	03	LOWER FLINT BROOK	ALS	ARTIFICIAL FLOW REGULATION; POSSIBLE LACK OF MINIMUM FLOW BELOW FISH HATCHERY WITHDRAWAL	ACOE 404 AND SECTION 401 WQ CERT NEEDED FOR HATCHERY INTAKE. FLOW STUDY UNDERWAY.	
VT10-01	01	LOWER OTTAUQUECHEE RIVER, BELOW NO. HARTLAND DAM (0.9 MILE)	AES, ALS, 2CR	ARTIFICIAL FLOW REGULATION & CONDITION	FLOW REGULATION LARGELY CONTROLLED BY HYDRO FACILITY. FERC LICENSE EXPIRES IN 2021	2021



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VT10-01	02	LOWER OTTAUQUECHEE RIVER, BELOW OTTAUQUECHEE WOOLEN MILL DAM (0.1 MI)	AES	ARTIFICIAL FLOW CONDITION, DEWATERING OF FALLS BY HYDRO		2032
VT10-02L01		NORTH HARTLAND RESERVOIR (Hartland)	ALS, 2CR	ANNUAL WATER LEVEL FLUCTUATIONS ALTER AQUATIC HABITAT	DAM NOW USED FOR HYDROPOWER; OPERATED UNDER FERC LICENSE EXPIRING IN 2021	2021
VT10-13	01	BLACK RIVER, BELOW NORTH SPRINGFIELD RESERVOIR (3.7 MILES)	ALS	ARTIFICIAL FLOW REGULATION & CONDITION BY DAM	USACOE DAM; NO CONSERVATION FLOW BASED ON ANY BIOLOGICAL/WQ CRITERIA	
VT10-13L02		NORTH SPRINGFIELD RESERVOIR (Springfield)	ALS	WATER LEVEL FLUCTUATION ALTERS AQUATIC HABITAT	USACOE DAM; NO CONSERVATION FLOW BASED ON ANY BIOLOGICAL/WQ CRITERIA	
VT10-16L03		STOUGHTON POND (Weathersfield)	ALS	WATER LEVEL FLUCTUATION ALTERS AQUATIC HABITAT	USACOE DAM; NO CONSERVATION FLOW BASED ON ANY BIOLOGICAL/WQ CRITERIA	
VT11-07	02, 07	WEST RIVER, MOUTH TO GRASSY BROOK (12 MILES)	AH, 2CR	WIDE SHALLOW CHANNEL, LOSS OF RIPARIAN VEGETATION, USACOE DAM OPERATION		
VT11-08	01	STICKNEY BROOK (2.5 MILES)	ALS, 2CR	ARTIFICIAL FLOW CONDITION, SEASONALLY DEVOID OF FLOW BELOW DIVERSION DAM; DREDGING	WSID # 5290 - BRATTLEBORO WATER DEPT; WATER SUPPLY RESERVOIR ABOVE DAM	
VT11-10	01	WEST RIVER, BELOW BALL MTN DAM TO TOWNSHEND DAM IMPOUNDMENT (9 MILES)	ALL USES	ARTIFICIAL FLOW REGIME AT DAM	NO MINIMUM FLOW BY USACE BASED ON ANY BIOLOGICAL/WQ CRITERIA. STRUCTURAL STUDY COMPLETE, NO ACTION PLANNED	
	02	WEST RIVER, TOWNSHEND DAM TO GRASSY BROOK	AH, 2CR	USACE DAM OPERATION, IMPOUNDED WATERS RELEASE RESULTS IN ELEVATED TEMPS		
VT11-10L01		BALL MOUNTAIN RESERVOIR (Jamaica)	AES, ALS	WATER LEVEL FLUCTUATION ALTERS AQUATIC HABITAT	NO MINIMUM FLOW BY USACE BASED ON ANY BIOLOGICAL/WQ CRITERIA. STRUCTURAL STUDY COMPLETE, NO ACTION PLANNED	

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VT11-10L01		BALL MOUNTAIN RESERVOIR (Jamaica)	ALS	UP & DOWNSTREAM FISH PASSAGE AT DAM - ESP. DIADROMOUS	DOWNSTREAM PASSAGE PROVIDED THROUGH FISH PASSAGE FACILITIES; UPSTREAM PASSAGE NOT PROVIDED; ACOE NOT OPERATING TRAP AT TOWNSHEND DAM	
VT11-10L02		TOWNSHEND RESERVOIR (Townshend)	ALS	WATER LEVEL FLUCTUATION ALTERS AQUATIC HABITAT	USACOE DAM; NO CONSERVATION FLOW BASED ON ANY BIOLOGICAL/WQ CRITERIA	
VT11-16	02	MILL BROOK (1.6 MILES)	ALS	ARTIFICIAL & INSUFFICIENT FLOW BELOW BROMLEY SNOWMAKING WATER WITHDRAWAL	PARTIAL SUPPORT 1.6 MI (8 MI TOTAL LENGTH)	
	03	TRIB TO MILL BROOK (2.2 MILES)	ALS	ARTIFICIAL & INSUFFICIENT FLOW BELOW BROMLEY SNOWMAKING WATER WITHDRAWAL	NON-SUPPORT 0.7 MI, PARTIAL SUPPORT 1.5 MI (2.5 MI TOTAL LENGTH).	
VT11-18L01		HAPGOOD POND (Peru)	ALS	ANNUAL DRAWDOWNS ALTER AQUATIC HABITAT		
VT12-01	01	LOWER DEERFIELD RIVER BELOW HARRIMAN RESERVOIR (3.5 MILES)	ALS	LOW TEMPERATURE HYPOLIMNETIC WATER RELEASE FROM RESERVOIR	401 CERTIFICATION ISSUED (1/95); FERC LICENSE ISSUED (4/97); DFW EVALUATING THE EFFECTS OF RELEASE	
VT12-05	07	COLD BROOK (0.58 MILES)	ALS	ARTIFICIAL & INSUFFICIENT FLOW BELOW HERMITAGE SNOWMAKING WITHDRAWAL	COMPLIANCE SCHEDULE ESTABLISHED AS PART OF ACT 250 PROCESS TO BRING THE WITHDRAWAL INTO COMPLIANCE	
VT13-01		CT RIVER, WILDER DAM TO ASCUTNEY VILLAGE (20.5 MILES)	ALS	ARTIFICIAL FLOW CONDITION, FLUCTUATING FLOWS ASSOCIATED WITH HYDROPOWER PRODUCTION	FERC LICENSE EXPIRES IN 2018	2020
VT13-02		CT RIVER, ABOVE BELLOWS FALLS DAM (21.5 MILES)	ALS	WATER LEVEL FLUCTUATION AT DAM; DEWATERED SHORELINES/WETLANDS	FERC LICENSE EXPIRES IN 2018	2020
		CT RIVER, ABOVE BELLOWS FALLS DAM, SPRINGFIELD	AES, ALS	RESERVOIR WATER LEVEL FLUCTUATION AT DAM; DESTABIL/ERODING STREAMBANKS	OBSERVED IMPACTS TO "SKITCHEWAUG" ARCHEOLOGICAL SITE; SITE RIP-RAPPED; FERC LICENSE EXPIRES IN 2018	2020
VT13-03		CT RIVER, BELOW BELLOWS FALLS DAM (24 MILES)	ALS	ARTIFICIAL FLOW CONDITION, FLUCTUATING FLOWS BY HYDROPOWER PRODUCTION	FERC LICENSE EXPIRES IN 2018	2020
VT13-04		CT RIVER, ABOVE VERNON DAM	ALS	WATER LEVEL FLUCTUATION AT DAM; DEWATERED SHORELINE/WETLANDS	FERC LICENSE EXPIRES IN 2018	2020

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VT13-05		CT RIVER, BELOW VERNON DAM (5.5 MILES)	ALS	ARTIFICIAL FLOW CONDITION, FLUCTUATING FLOWS BY HYDROPOWER PRODUCTION	FERC LICENSE EXPIRES IN 2018	2020
VT13-10		ELLIS BROOK, FARR (?) BROOK BELOW MINARDS POND	ALS	POSSIBLE LACK OF MINIMUM FLOW BELOW WATER SUPPLY WITHDRAWAL POINT (THREAT)	WSID #5298 - BELLOWS FALLS WATER DEPT	
VT14-04	01	WAITS RIVER, BELOW BRADFORD DAM (0.3 MILE)	AES, ALS	ARTIFICIAL FLOW CONDITION, POOR FLOW REGIME IN DAM'S BYPASS SEGMENT	FERC EXEMPTION	2022
VT14-07	01	WELLS RIVER, BELOW DAM AT BOLTONVILLE (0.4 MI)	AES, ALS, 2CR	ARTIFICIAL FLOW CONDITION, POOR FLOW AND PHYSICAL ALTERATIONS IN HYDROELECTRIC DAM BYPASS SEGMENT	FERC EXEMPTION	2024
VT14-09		SOUTH PEACHAM BK AND STEVENS RIVER (BELOW HARVEY'S LAKE 4.9 MI)	ALS	DAM MANAGEMENT ALTERS AQUATIC HABITAT	TOWN IS WORKING WITH NGO AND CONSULTANTS ON FEASIBILITY ANALYSIS OF DAM REMOVAL	
VT14-09L05		HARVEYS LAKE (Barnet)	ALS	WATER LEVEL MGMT MAY ALTER AQUATIC HABITAT	TOWN IS WORKING TOWARDS DAM REMOVAL AND PLACEMENT OF WEIR TO STABILZE WATER LEVEL	
VT15-01		PASSUMPSIC RIVER, BELOW GREAT FALLS DAM (0.1 MILES)	ALS	ARTIFICIAL FLOW REGIME AND CONDITION BY HYDRO OPERATIONS; ALTERS AQUATIC HABITAT IN BYPASS REACH	FERC LICENSE EXPIRES IN 2019; CONSERVATION FLOW FOR BYPASS REACH BEEN ESTABLISHED. WILL BE INCLUDED IN 401 WATER QUALITY CERT.	2019
VT16-07	01	CONNECTICUT RIVER, ABOVE WILDER DAM TO BRADFORD (APPROX 30 MILES)	ALS	RESERVOIR WATER LEVEL FLUCTUATION AT DAM; DESTABILIZING/ERODING STREAMBANKS UPSTREAM	EXPOSURE & EROSION ARCHEOL FEATURES KNOWN AS "LONG HOUSES"; ALSO "STOCKING" SITE	2020
VT17-01L01		LAKE MEMPHREMAGOG	ALS	WATER LEVEL FLUCTUATION BY HYDRO MAY ALTER AQUATIC HABITAT AND DEWATER WETLANDS AND SHORELINE	DEC IS A PARTY TO REGULAR MEETINGS WHICH INCLUDES INTERNATIONAL JOINT COMMISSION, CANADIAN ENVIRONMENTAL REGULATORY AUTHORITIES AND MUNICIPALITIES TO DISCUSS WAYS TO IMPROVE THE WATER QUALITY OF THE LAKE	

**Part F. Waters appearing below are altered by flow regulation. These are priority waters for management action.**

<b>Waterbody ID</b>	<b>ADB Code(s)</b>	<b>Segment Name/ Description</b>	<b>Use(s) Impacted</b>	<b>Surface Water Quality Problem</b>	<b>Current Status or Control Activity</b>	<b>Projected WQS Compliance Year</b>
VT17-03	02	AVERILL CREEK DOWNSTREAM FROM DAM ON GREAT AVERILL LAKE (5.4 MILES)	ALS	ARTIFICIAL FLOW CONDITION BY HYDRO CREATES POOR FLOW REGIME	UNLICENSED FACILITY; PUC HEARING TO BE HELD FALL 2018	2018
	03	AVERILL CREEK DOWNSTREAM FROM DAM ON LITTLE AVERILL LAKE (1 MILE)	ALS	ARTIFICIAL FLOW CONDITION BY HYDRO CREATES POOR FLOW REGIME	UNLICENSED FACILITY; PUC HEARING TO BE HELD FALL 2018	2018
	01	COATICOOK RIVER BELOW NORTON POND DAM (3 MILES)	ALS	ARTIFICIAL FLOW CONDITION BY HYDRO CREATES POOR FLOW REGIME	UNLICENSED FACILITY; PUC HEARING TO BE HELD FALL 2018	2018
VT17-03L01		LITTLE AVERILL POND (Averill)	ALS, 2CR	WATER LEVEL FLUCTUATION BY HYDRO ALTERS FISHERY, RECREATION & ENDANGERED SPECIES	UNLICENSED FACILITY; PUC HEARING TO BE HELD FALL 2018	2018
VT17-03L02		GREAT AVERILL POND (Norton)	ALS, 2CR	WATER LEVEL FLUCTUATION BY HYDRO ALTERS AQUATIC HABITAT, RECREATION	UNLICENSED FACILITY; PUC HEARING TO BE HELD FALL 2018	2018
VT17-03L04		NORTON POND (Norton)	AES, ALS, 2CR	WATER LEVEL FLUCTUATION BY HYDRO ALTERS AQUATIC HABITAT, RECREATION, AESTHETICS	UNLICENSED FACILITY; PUC HEARING TO BE HELD FALL 2018	2018
VT17-05	01	UNNAMED BROOKS, TRIBS TO CLYDE RIVER	ALS	POSSIBLE LACK OF MINIMUM FLOW BELOW WATER SUPPLY WITHDRAWAL POINT	WSID #5105; BRIGHTON	
VT17-08L03		SHADOW LAKE (Glover)	AES, ALS	WATER LEVEL FLUCTUATION (SEASONAL DRAWDOWN) MAY ALTER AQUATIC HABITAT AND AESTHETICS		
VT17-10	01	SEAVER BROOK	ALS	LACK OF MINIMUM FLOW BELOW WATER WITHDRAWAL FOR PRIVATE PONDS IMPAIRS 0.3 MILES; STRUCTURE PREVENTS FISH PASSAGE	DEC AND DFW IN PROCEEDING TO ESTABLISH MINIMUM FLOW AND RESTORE FISH PASSAGE	