

STATE OF VERMONT

2016

STRESSED WATERS LIST

Vermont Department of Environmental Conservation
Watershed Management Division
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STRESSED WATERS LIST

These waters are assessed as stressed where stressors are present that prohibit the waters from attaining a higher water quality

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 is located in Vermont river basin #01. River basin #01 includes the Batten Kill, Hoosic and Walloomsac rivers; there are 17 river basins for planning purposes identified in Vermont. A statewide map has been included that names these 17 river basins and identifies their approximate boundaries.

A statewide map further illustrating designated river and stream waterbodies and waterbody designations for Lake Champlain, Lake Memphremagog and South Bay can be obtained upon request from the Water Quality Division, Department of Environmental Conservation in Waterbury, Vermont.

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

Possible Pollutant(s) - The pollutant or pollutants causing the stressed condition.

Use(s) Stressed - An indication of which designated or existing uses (as defined in the VWQS) are stressed. 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)

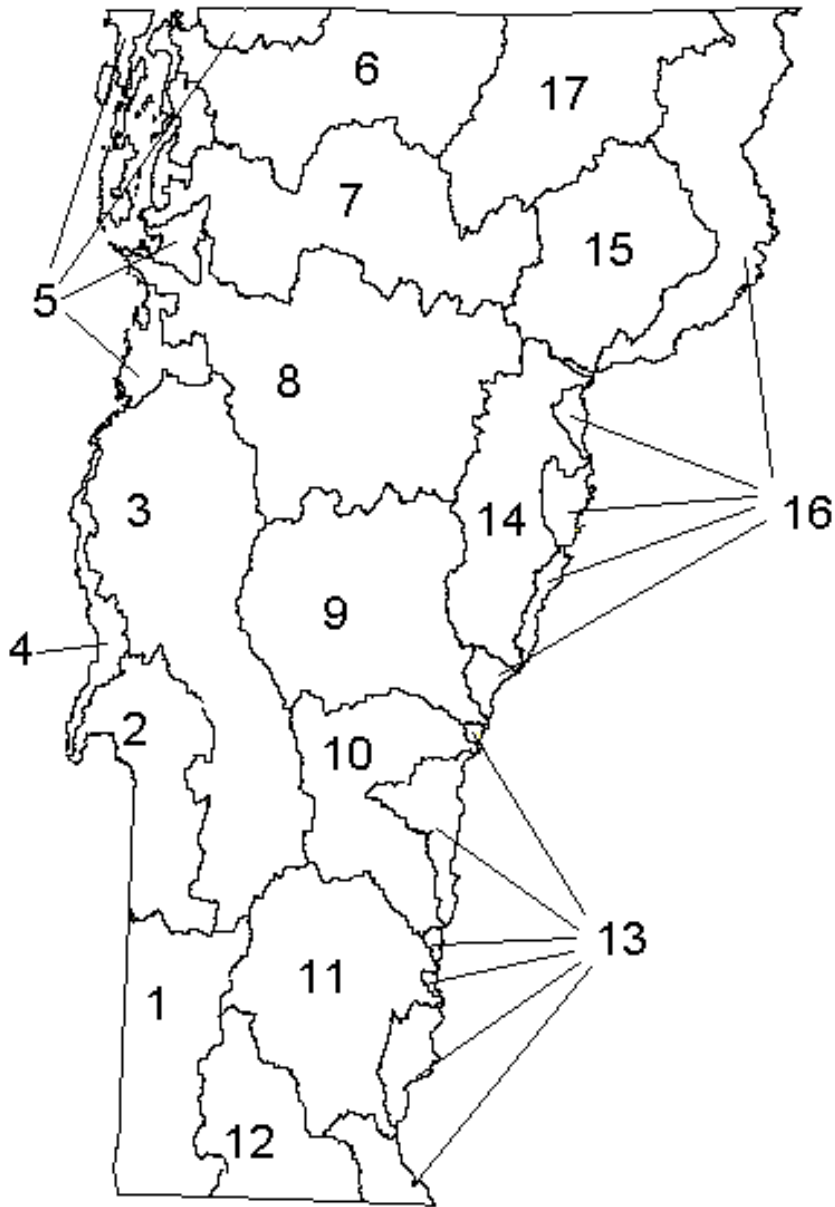
FC - fish consumption

DWS - drinking water supply

CR - contact recreation (i.e. swimming)

Surface Water Quality Problem - A brief description of the problem found in the particular segment.

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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Waterbody ID	Segment Name/ Description	Possible Pollutant(s)	Use(s) Stressed	Surface Water Quality Problem
VT01-02	HOOSIC RIVER THROUGH VT	METALS, TOXICS	CR, 2CR	INDUSTRIAL SOURCES IN MASS & VT
VT01-03	BICKFORD BROOK, HEADWATERS TO MOUTH	ACIDITY	ALS, 2CR	ATMOSPHERIC DEPOSITION; LOW BUFFERING CAPACITY; EPISODIC ACIDIFICATION
	BOLLES BROOK, HEADWATERS TO MOUTH	ACIDITY	ALS, 2CR	ATMOSPHERIC DEPOSITION; LOW BUFFERING CAPACITY; LOW PH
	JEWITT BROOK	TEMPERATURE	ALS	FAIR BIO DATA 2008
VT01-04	BATTEN KILL	SEDIMENT, TEMP, HABITAT ALT	AH,2CR	LOSS OF RIPARIAN VEG, STREAMBANK EROSION, RUNOFF, LACK OF HABITAT FEATURES
VT01-05	MUNSON BROOK	SEDIMENT	ALS	HIGH EMBEDDEDNESS
VT02-01	COGGMAN BROOK MOUTH UP TO RM 2.9	SEDIMENT	ALS	SOURCE NOT DEFINED
	POULTNEY RIVER MOUTH TO CARVERS FALLS	TOXICS	ALS	AQUATIC DIVERSITY REDUCED FROM REPEATED PESTICIDE APPL
VT02-03	CASTLETON RIVER, BELOW OLD FAIR HAVEN LANDFILL	TRASH, HIGH PH	CR, 2CR, AES	TRASH ERODING INTO RIVER
VT02-04	POULTNEY RIVER, FROM BUXTON HOLLOW TO D&H RAIL TRAIL	E. COLI	CR	SOURCE(S) NEED FURTHER ASSESSMENT
	POULTNEY RIVER, FROM RM 21.8 UP 3 MILES	ORGANIC ENRICHMENT, TEMP	ALS	POULTNEY VILLAGE AND FARM LAND ARE ADJACENT LAND USES
VT02-05	INDIAN RIVER BELOW WEST PAWLET WWTF	LOW D.O.	ALS	D.O. LEVELS OF DISCHARGE & DOWNSTREAM
	METTAWEE RIVER, UPSTREAM FROM NY BORDER TO FLOWER BROOK	SEDIMENT, NUTRIENTS, TEMP	ALS, 2CR	LOSS OF RIPARIAN VEG, STREAMBANK EROSION, AG
VT03-01	OTTER CREEK, MIDDLEBURY R DOWN TO VERGENNES	TURBIDITY, NUTRIENTS, SEDIMENT	ALS, AES	AG, STREAM BANK EROSION
	OTTER CREEK, VERGENNES DOWN TO L.C.	TURBIDITY, NUTRIENTS	AH, AES	AG, STREAMBANK EROSION
VT03-04	NESHOBE RIVER, EAST OF FOREST DALE DOWN TO BRANDON WWTF	SEDIMENT, PHYSICAL ALTERATIONS	AH, AES	CHANNELIZATION, STREAM BANK EROSION
VT03-05	OTTER CREEK, FURNACE BROOK CONFL UPSTREAM TO MILL RIVER CONFLUENCE	SEDIMENT, ORG ENRICHMENT, TOXICS, METALS	AES, ALS, CR, DWS	NEEDS FURTHER ASSESSMENT & MONITORING ESP. SOURCE(S)
VT03-06	MOON BROOK, FROM RM 3.3 DOWN TO POND	SAND, EMBEDDEDNESS	ALS	EMBEDDEDNESS 60% IN 2014

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VT03-07	MUD CREEK, MOUTH UPSTREAM 4 MILES	E. COLI	CR	AGRICULTURAL RUNOFF
VT03-09	DEAD CREEK	TURBIDITY, NUTRIENTS, TEMP, SEDIMENT, PATHOGENS	CR, AES	AG, STREAMBANK EROSION, IMPOUNDMENTS
	DEAD CREEK, EAST & WEST BRANCHES	TURBIDITY, TSS, NUTRIENTS, TEMP	AH, CR, AES	AG, IMPOUNDMENTS, STREAMBANK EROSION
VT03-10	BEAVER BROOK, FROM LEMON FAIR UP TO LEDGE CREEK	NUTRIENTS, FLOW	ALS	AGA, UPSTREAM IMPOUNDMENT ON LEDGE CREEK
	LEDGE CREEK, BELOW PERRY JACKSON POND	LACK OF FLOW, TEMP	AH, AES, 2CR	ONSTREAM POND & DAM
	LEMON FAIR RIVER, MOUTH TO RM 18	E. COLI	CR	ELEVATED E. COLI; SOURCES UNKNOWN; POTENTIAL LARGE WILDLIFE CONTRIBUTION
	LEMON FAIR RIVER, RICHVILLE POND TO JOHNSON POND	E. COLI	CR	ELEVATED E. COLI; SOURCES UNKNOWN; POTENTIAL LARGE WILDLIFE CONTRIBUTION
VT03-11	NEW HAVEN RIVER	E. COLI, SEDMIENT	CR, AH, 2CR	NOT SURE E. COLI SOURCE, STREAMBANK EROSION
VT03-12	MIDDLEBURY RIVER, FROM RIPTON THROUGH EAST MIDDLEBURY	SEDIMENTATION, PHYSICAL ALTERATIONS	ALS, 2CR, AES	CHANNELIZATION
VT03-14	EAST CREEK TRIB	IRON	ALS, AES	IRON PRECIPITATE ON CHANNEL SUBSTRATE, SOURCE NOT KNOWN
	MENDON BROOK, FROM MOUTH UPSTREAM TO WHEELERVILLE RD	PHYSICAL ALTERATIONS	ALS, AES	CHANNELIZATION, DREDGING POST IRENE
	TENNEY BROOK, FROM EAST CREEK UPSTREAM	TEMP, STORMWATER, CHANGED HYDROLOGY	ALS	URBAN IMPACTS
	TRIBUTARY TO EAST CREEK	IRON	ALS	HEAVY IRON PRECIPITATE, SOURCES UNKNOWN
VT03-15	CLARENDON RIVER	SEDIMENT, NUTRIENTS, E. COLI, STORMWATER	AES, ALS, CR	AGRICULTURAL RUNOFF, INDUSTRIAL AND URBAN RUNOFF
VT03-17	MILL RIVER, WHERE RT 103 PARALLELS RIVER	PHYSICAL ALTERATION, TEMPS	AH, 2CR, AES	CHANNELIZATION, DREDGING FOLLOWING FLOOD EVENTS
VT04-01	HOSPITAL CREEK, MOUTH TO RM 3.5	PHOSPHORUS, TURBIDITY	ALS, AES	RUNOFF FROM AG ACTIVITY
VT04-03	EAST CREEK-NORTH FORK	NUTRIENTS	ALS	AGRICULTURE OR NATURAL; INVERTS "FAIR" FISH "POOR" 2004

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VT05-07	MILL RIVER, 3.5 MILES IN UPPER REACHES	SEDIMENT, NUTRIENT & ORG ENRICHMENT, E. COLI	AES, ALS, CR	AGRICULTURAL & URBAN RUNOFF, STREAMBANK EROSION
	RUGG BROOK, UPSTREAM FROM ROUTE 7	FLOW CHANGES, PHYSICAL ALTERATIONS	AH, AES	LAND DEVELOPMENT, SUBURBAN RUNOFF
VT05-07L02	ST. ALBANS RESERVOIR, NORTH (Fairfax)	UNKNOWN	ALS	MACROINVERTEBRATE ASSESSMENT INDICATES POTENTIAL BIOLOGICAL ALTERATION. COPPER IN SEDIMENTS ABOVE NOAA THRESHOLD EFFECTS VALUE.
VT05-09	INDIAN BROOK, MOUTH TO RM 5.4	SEDIMENT, TOXICS, METALS	ALS	POTENTIAL IMPACTS FROM LANDFILL LEACHATE, DEVELOPED AREAS, HAZARDOUS WASTE SITE
VT05-11	LAPLATTE RIVER, FROM L.C. UP TO HINESBURG	TURBIDITY, SEDIMENT, TEMP	AH, AES, 2CR	LAND DEVELOPMENT WITH ALL ATTENDANT IMPACTS
	PATRICK BROOK, FROM LAPLATTE R UP TO LOWER POND	SEDIMENT, PHYSICAL ALTERATIONS	AH, AES	LAND DEVELOPMENT, CHANNELIZATION
VT05-12	KIMBALL BROOK, FROM TOWN FARM BAY UP 1.1 MILES	TURBIDITY, NUTRIENTS	ALS, AES	PASTURE, BARNYARD, LACK OF RIPARIAN VEGETATION
VT06-01	MISSISQUOI RIVER, MOUTH TO SWANTON DAM	TOXICS	ALS	AQUATIC COMMUNITY DIVERSITY DIMINISHED BY PESTICIDE APPL
	MISSISQUOI RIVER, MOUTH TO TYLER BRANCH	SEDIMENT, NUTRIENTS, TURBIDITY, TEMP	ALS, AES	AG, STREAMBANK EROSION, LOSS OF RIPARIAN VEGETATION
VT06-02	MISSISQUOI RIVER, FROM SAMSONVILLE BK. UP TO CAN BORDER	SEDIMENTS, NUTRIENTS, TURBIDITY, TEMP	ALS, AES	AG, STREAMBANK EROSION
VT06-03	HUNGERFORD BROOK	NUTRIENTS, SEDIMENTS	ALS	AG ACTIVITY SUSPECTED
	KELLY BROOK, DOWNSTREAM FROM YOUNGS LANDFILL	INORGANICS, SVOCs IN SEDIMENT	AH	LANDFILL
	YOUNGMAN BROOK (1.8 MI ABOVE MOUTH TO HEADWATERS)	UNDEFINED-TYPICAL (SEDIMENT, NUTRIENTS)	ALS	AGRICULTURAL RUNOFF
VT06-05	BLACK CREEK, MOUTH TO EAST FAIRFIELD (12 MILES)	SEDIMENT, NUTRIENTS, E. COLI	AES, AH, CR	AGRICULTURAL RUNOFF
VT06-06	THE BRANCH, BEAVER MEADOW BRK UP TO BRIDGE E BAKERSFIELD RD	SEDIMENT, PHYSICAL ALTERATIONS	AH, AES	STREAMBANK EROSION, CHANNELIZATION
	TYLER BRANCH	SEDIMENT, NUTRIENTS, E. COLI	AES, ALS, CR	AGRICULTURAL RUNOFF; MORPHOLOGICAL INSTABILITY (WEST ENOSBURG TO COLD HOLLOW BROOK)

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VT06-08	EAST BRANCH MISSISQUOI R, GRAVEL PIT ACCESS DOWNS TO CHENEY RD	SEDIMENTATION, LIKELY TEMP	AH, AES	ERODING STREAMBANKS, PASTURE WITH NO BUFFERS, ROAD TO GRAVEL PIT
	JAY BRANCH, RM 7.3 TO RM 5.6	SEDIMENT, STORMWATER	ALS, AES	POTENTIAL IMPACTS FROM CONSTRUCTION EROSION, WATERSHED HYDROLOGY
VT07-01	STREETER BROOK	STORMWATER FINGERPRINT, ELEVATED CHLORIDES & PHOS IN 2004	ALS	NEEDS MORE RECENT MONITORING AND FURTHER INVESTIGATION
VT07-02	LOWER MIDDLE LAMOILLE FROM FAIRFAX FALLS DAM TO ARROWHEAD MT LAKE	MERCURY	FC	ELEVATED LEVELS OF Hg IN WALLEYE
VT07-08	BUNKER BROOK	PHYSICAL ALTERATIONS	AH, AES	CHANNELIZATION, RIP-RAP
	KATE BROOK	PHYSICAL ALTERATIONS	AH, AES	CHANNELIZATION, RIP-RAP, DREDGING
VT07-11	BROWNS RIVER, FROM WEST OF JERICH-ESSEX LINE UP 7.5 MILES	SEDIMENTS, PHYSICAL ALTERATION, TEMP	AH, AES	FORMER LARGE SCALE GRAVEL MINING, STREAMBANK DE-STABILIZATION
	STEVENSVILLE BROOK, FROM RM 2.0 UP TO HEADWATERS	LOW PH, FLOOD SCOUR	AH	ACID RAIN INPUTS, MORE FREQUENT FLOODS & FLASHY STREAM
VT07-12	SEYMOUR RIVER (LOWEST 3.5 MILES)	SEDIMENT, NUTRIENTS	AH, AES	BANK EROSION, AGRICULTURAL ENCROACHMENTS, CHANNEL INSTABILITY
VT07-13	BREWSTER RIVER FROM SKI AREA TO MOUTH	SEDIMENT	ALS, AES	CONSTRUCTION EROSION; INCREASED PEAK STORMWATER DISCHARGE; ROAD & PARKING LOT
VT07-14	NORTH BRANCH LAMOILLE (RT 109 TO MOUTH)	SEDIMENT	AH	BANK EROSION, CHANNEL INSTABILITY
VT07-15	DARK BRANCH, RM 3.3	ASBESTOS, SEDIMENT	ALS	GOOD-FAIR BIO DATA 2007; POSSIBLE IMPACTS FROM ASBESTOS MINE
	GIHON RIVER (EDEN & JOHNSON)	ORGANICS	ALS, CR, DWS	LEAK FROM UNDERGROUND STORAGE TANK (EDEN); OIL SPILLS (JOHNSON) BOTH IN CLOSE PROXIMITY TO SURFACE WATER; NO SURFACE WQ DATA
VT07-16	MUD BROOK	IRON	ALS, AES	IRON PRECIPATE DEGRADING HABITAT-BUGS FAIR IN 2002
VT07-17	RYDER BROOK,	PHYSICAL ALTERATIONS, SEDIMENT, LOSS OF RIPARIAN VEG	ALS, AES, 2CR	AIRPORT DEVELOPMENT, RESIDENTIAL DEV, AG
VT07-19	WILD BRANCH, MOUTH TO HEADWATERS	SEDIMENT	ALS, AES, 2CR	RE-LOCATION OF CHANNEL; FLOOD DAMAGE AND REPAIR; LOSS OF FLOODPLAIN, ENCROACHMENTS, BANK EROSION

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VT07-20	ELMORE BRANCH	PHYSICAL ALTERATIONS, SEDIMENT, TURBIDITY	ALS, AES, 2CR?	CHANNELIZATION, ROAD ENCROACHMENT ON FLOODPLAIN, ROAD RUNOFF
VT07-21	HAYNESVILLE BROOK	PHYSICAL ALTERATIONS, SEDIMENTATION	ALS, AES, 2CR	POST FLOODWORK, STREAMBANK EROSION
	TUCKER BROOK	PHYSICAL ALTERATION, TURBIDITY, SILTATION	ALS, AES, 2CR	POST-FLOOD WORK, STREAMBANK EROSION
VT07-22	STANNARD BROOK	SEDIMENT	ALS	FLOODS AND POST FLOOD WORK (1973, 95, 97); BANK EROSION-BUGS FAIR IN 2002
VT08-01	WINOOSKI RIVER, FROM MOUTH UP TO ALDER BROOK	SEDIMENTS, NUTRIENTS, TEMP, STORMWATER, TOXIC COMPOUNDS...	ALS, AES, CR, 2CR	STORMWATER, INDUSTRY, AG, MANY SOURCES
VT08-04	GOOSE POND BROOK, MOUTH TO RM 0.1	UNDEFINED	ALS	AQUATIC BIOTA STRESSED
VT08-05	WINOOSKI RIVER, BELOW MIDDLESEX DAM & ABOVE MONTPELIER CSOs	SEDIMENTS, NUTRIENTS, STORMWATER RUNOFF	ALS, CR, 2CR, AES	URBAN RUNOFF, CHANNELIZATION, TRANSPORTATION INFRASTRUCTURE CONFINING STREAM
VT08-06	GRAVES BROOK (MOUTH UPSTREAM TO RM 0.3)	SEDIMENT	ALS	RESIDENTIAL WATERSHED, SOME AGRICULTURE, RIPARIAN ENCROACHMENTS
	THATCHER BROOK (WATERBURY TO WATERBURY CTR)	SEDIMENT	AES, ALS	MORPHOLOGICAL INSTABILITY
VT08-07	BRYANT BROOK	SEDIMENT, NUTRIENTS	ALS, AES, AH	NEEDS SAMPLING AND STRESSOR ID
	WINOOSKI RIVER (10 MILES), BELOW MARSHFIELD #6 HYDROFACILITY	LOW D.O.	ALS	POSSIBLE DISSOLVED OXYGEN PROBLEMS FROM HYPOLIMNETIC WITHDRAWAL OF UNLICENSED HYDRO DAM
	WINOOSKI RIVER, STEVENS BRANCH UP TO MOLLYS FALLS BROOK	PHYSICAL ALTERATION, SEDIMENTS, NUTRIENTS, TURBIDITY, E COLI	ALS, 2CR, AES	STREAMBANK EROSION, CHANNEL INSTABILITY, ROAD RUNOFF, E COLI SOURCE NOT KNOWN
VT08-08	BLANCHARD BROOK, MOUTH TO RM 0.3	UNDEFINED	ALS	FISH COMMUNITY "FAIR" AND "POOR" IN 2013 & 2014; DOMINATED BY INTOLERANT FISH SPECIES
VT08-09	WINOOSKI RIVER, FROM MOLLYS FALLS BROOK UPSTREAM 6 MILES	SEDIMENT	ALS, AES	STREAMBANK EROSION, LACK OF RIPARIAN VEGETATION, PHYSICAL ALTERATIONS
VT08-11	GOLD BROOK, HEADWATERS TO MOUTH	SEDIMENT, PHYSICAL ALTERATIONS	ALS, 2CR, AES	LAND DEVELOPMENT, PAST RECREATIONAL GOLD MINING
	LITTLE RIVER, FROM WEST BRANCH DOWN TO RESERVOIR	URBAN RUNOFF, SEDIMENT	ALS, AES, 2CR	CHANNEL INSTABILITY, CHANNEL MANIPULATION, URBAN/SUBURBAN DEVELOPMENT

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VT08-12	LITTLE RIVER, UPSTREAM OF THE WEST BRANCH CONFLUENCE	SEDIMENT, NUTRIENTS, E. COLI	AES, ALS, CR	LAND DEVELOPMENT, AGRICULTURAL RUNOFF; MORPHOLOGICAL INSTABILITY (MOSCOW/STOWE TO STERLING BROOK)
	LITTLE SPRUCE BROOK	SEDIMENT, PHYSICAL ALTERATIONS	ALS, AES	DEVELOPMENT
	LONG TRAIL TRIBUTARY (LOWEST 0.1 MILES)	SEDIMENT, ACID	ALS	SEDIMENT SOURCE(S) NEED FURTHER ASSESSMENT; pH SHOCK IN SPRINGTIME
	STERLING BROOK	ACIDITY	ALS, 2CR	LOW ALK CONDITIONS, ACID RAIN
	WEST BRANCH LITTLE RIVER (RM 7.0 TO RM 7.5)	SEDIMENT	ALS	IMPACTS MAY BE RELATED TO PAST CONSTRUCTION EROSION
	WEST BRANCH LITTLE RIVER (RM 8.5 UP TO HEADWATERS)	SEDIMENT, ACID	ALS	SEDIMENT SOURCE(S) NEED FURTHER ASSESSMENT; pH SHOCK IN SPRINGTIME
VT08-13	HANCOCK BROOK	ACID	ALS	LOW pH SHOCK IN SPRINGTIME
	MINISTER BROOK	ACID	ALS	LOW SPRINGTIME pH, GRAVEL ROAD RUNOFF
VT08-14	KINGSBURY BRANCH, FROM OUTLET OF NO MONTPELIER POND TO MOUTH	ELEVATED TEMPERATURES	2CR	WARM WATER DISCHARGES FROM POND
VT08-15	JAIL BRANCH, BARRE CITY AND BELOW (1.5 MILES)	SEDIMENT, NUTRIENTS, E. COLI	ALS	LAND DEVELOPMENT; EROSION/SEDIMENTATION; URBAN RUNOFF
	JAIL BRANCH, WASHINGTON/ORANGE AREA	E. COLI	CR	ELEVATED BACTERIA LEVELS; SOURCE(S) UNKNOWN
VT08-16	STEVENS BRANCH, FROM BARRE CITY LIMITS TO MOUTH, 5.8 MILES	SEDIMENT, NUTRIENTS, E. COLI	AES, ALS	URBAN RUNOFF INCLUDING SUSPECTED FLOOR DRAINS FROM COMMERCIAL BUILDINGS ON RIVER
VT08-17	DOG RIVER, RIVERTON CANOE ACCESS DOWNSTREAM 0.5 MILES	E. COLI	CR	ELEVATED E. COLI
VT08-18	MAD RIVER (WARREN DAM UP TO RT 100)	SEDIMENT	AES, ALS	MORPHOLOGICAL INSTABILITY; CONTRIBUTIONS FROM NEARBY GRAVEL/SAND PIT
VT09-01	WHITE RIVER (MOUTH TO BETHEL)	E. COLI	CR	ELEVATED BACTERIA LEVELS EARLY 1990's AND 2001-2003. SOURCES UNKNOWN
	WHITE RIVER, WEST HARTFORD	METALS (Ni, Cr)	ALS	ELEVATED LEVELS OF Cr & Ni IN SEDIMENT
VT09-02	WHITE RIVER, FROM WEST BRANCH DOWN TO THIRD BRANCH	SEDIMENT, PHYSICAL ALTERATIONS, THERMAL MOD, KNOTWEED	ALS, AES, 2CR	LOSS OF RIPARIAN VEG, ROAD RUNOFF & MAINTENANCE, FLOODPLAIN ENCROACHMENTS

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VT09-03	JERICHO BROOK, MOUTH UPSTREAM	SILTATION, TURBIDITY	ALS	ERODING STREAMBANKS, ROAD CLOSE TO BROOK
VT09-04	FIRST BRANCH, WHITE RIVER, CHELSEA TO MOUTH	SEDIMENT, TEMPERATURE	ALS, 2CR	SOIL & STREAMBANK EROSION, LOSS OF RIPARIAN VEGETATION
VT09-05	KINGSBURY BROOK	TEMPERATURE, NUTRIENTS	ALS	AG RUNOFF, LOSS OF RIPARIAN VEGETATION
VT09-06	3RD BRANCH (WHITE RIVER), AYERS BRK TO BETHEL (11 MILES)	SEDIMENT, NUTRIENTS, E. COLI	AES, ALS	STORMWATER & AGRICULTURAL RUNOFF, LIVESTOCK ACCESS, LOSS RIPARIAN VEGETATION, BANK EROSION
	AYERS BROOK	METALS (Ni, Cr)	ALS	ELEVATED LEVELS OF Cr & Ni IN SEDIMENT
	AYERS BROOK (MOUTH UP TO BROOKFIELD GULF)	SEDIMENT	AES, ALS	MORPHOLOGICAL INSTABILITY
	BATCHELLOR BROOK, MOUTH UP 0.2 MILES	SEDIMENTATION, PHYSICAL ALTERATIONS	AH, AES	BEAVER DAM REMOVAL, DREDGING, CHANNELIZATION
	THIRD BRANCH WHITE RIVER	E. COLI	CR	ELEVATED BACTERIA LEVELS, SOURCES UNKNOWN
VT09-07	HANCOCK BRANCH	ACID, SEDIMENT	ALS	ACID PRECIPITATION, STREAMBANK EROSION
VT10-01	OTTAUQUECHEE RIVER, KEDRON BROOK DOWN TO NO. HARTLAND RES	NUTRIENTS, ORG ENRICH, TEMP, SEDIMENT, E. COLI	ALS, CR, 2CR, AES	GOLF COURSE, ROAD, DEVELOPED LAND RUNOFF, SEPTIC SYSTEMS, FERTILIZED TURF, BUGS BORDERLINE.
VT10-03	OTTAUQUECHEE RIVER, BRIDGEWATER CORNERS DOWN TO WOODSTOCK	SEDIMENT, PHYSICAL ALTERATION, TEMP	ALS, AES, 2CR	CHANNELIZATION (PRE- AND POST-IRENE), ROAD ENCROACHMENT AND RUNOFF, WIDE CHANNEL
VT10-06	FALLS BROOK TRIBUTARY #4 (0.4 MILES)	SEDIMENT	ALS	LAND DEVELOPMENT; EROSION; STREAMBANK DESTABILIZATION
	UPPER ROARING BROOK AND WEST BRANCH (APPROX 1.2 MILES)	SEDIMENT	AES, ALS	LAND DEVELOPMENT;EROSION; ROAD RUNOFF
VT10-07	KEDRON BROOK - WOODSTOCK	SEDIMENT, NUTRIENTS, E. COLI	AES, ALS, CR	HORSE RECREATION ACTIVITY; PASTURE; ROAD RUNOFF; LOSS OF RIPARIAN VEGETATION; GOLF COURSE
VT10-08	BROAD BROOK	SEDIMENT, PHYSICAL ALTERATIONS	ALS, AES	STREAMBANK EROSION, CHANNELIZATION, GOLD DREDGING (IN PAST AT LEAST)
VT10-10	BARNARD BROOK	SEDIMENT, TEMPERATURE	ALS	SOURCE(S) NEED FURTHER ASSESSMENT
	GULF STREAM BROOK	SEDIMENT	2CR	GRAVEL ROAD MAINTENANCE
VT10-11	BLACK RIVER, MOUTH TO FELLOWS DAM	SEDIMENT, NUTRIENTS, E. COLI	AES, ALS, CR	CONTRIBUTIONS FROM URBAN RUNOFF, LAND DEVELOPMENT

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VT10-14	COLEMAN BROOK	DEVELOPED LAND RUNOFF, CHANGED HYDROLOGY	ALS, AES	SKI AREA DEVELOPMENT
	OKEMO BROOK	UNKNOWN	ALS	ELEVATED CHLORIDE; CHLORIDE ASSESSMENT RECOMMENDED
	TRAILSIDE BROOK, MOUTH TO RM 1.8	UNDEFINED	ALS	2014 BUGS G-FAIR @ RM 0.8, GOOD @ RM 1.7; 2013 G-FAIR @ RM 1.8
VT10-16	NO. BRANCH BLACK RIVER ABOVE STOUGHTON POND	SEDIMENT, NUTRIENTS, E. COLI	AES, ALS, CR	SOURCE(S) NEED FURTHER ASSESSMENT; NOTABLE EROSION
VT11-01	LOWER WILLIAMS RIVER (MOUTH UPSTREAM TO MIDDLE BRANCH CONFLUENCE)	SEDIMENT, NUTRIENTS, TEMPERATURE	AES, ALS, CR	ENCORACHMENTS & RUNOFF FROM AGRICULTURE & DEVELOPMENT, POOR RIPARIAN CONDITION
VT11-03	MIDDLE BRANCH WILLIAMS RIVER	PHYSICAL ALTERATIONS	ALS, AES, 2CR	DREDGING, BERMING, CHANNELIZATION
VT11-04	WILLIAMS RIVER, ABOVE CHESTER VIL UP TO ROUTE 103/SMOKESHIRE JCT	TEMP, SEDIMENT	ALS, 2CR	LOST OF RIPARIAN VEG, ROAD ENCROACHMENT
VT11-05	LOWER SAXTONS RIVER	SEDIMENT, TEMPERATURE	AES, ALS	POOR RIPARIAN CONDITION, CHANNEL MODIFICATION, NEED FISH COMMUNITY DATA
	SAXTONS RIVER, MOUTH TO RM 5.0 BELOW SAXTONS RIVER WWTF	PHOSPHORUS	ALS	ENRICHMENT FROM PHOSPHORUS, INCOMPLETE STREAM CANOPY
VT11-07	WEST RIVER, MOUTH TO GRASSY BROOK CONFLUENCE	TEMPS, FLOW MOD	2CR, AH	WIDE SHALLOW CHANNEL, LOSS OF RIPARIAN VEG, DAM OPERATIONS
VT11-09	ROCK RIVER, MOUTH TO ADAMS BROOK	SEDIMENT, TEMP, PHYSICAL ALTERATIONS	AH, 2CR,	STREAM BANK EROSION, CHANNELIZATION POST IRENE
VT11-10	WEST RIVER, TOWNSEND DAM DOWN TO GRASSY BROOK	TEMPS, FLOW MOD	AH, 2CR	TOWNSEND DAM OPERATION
VT11-14	WARDSBORO BROOK, FROM WEST WARDBORO TO MOUTH (7 MILES)	SEDIMENT; TEMPERATURE	ALS	STREAMBANK EROSION; LAND DEVELOPMENT; ROAD RUNOFF; CHANNEL WIDENING; LOSS RIPARIAN VEGETATION
VT11-16	WINHALL RIVER (I.P. CO. BRIDGE TO MOUTH)	SEDIMENT, TEMPERATURE	AH, 2CR	CHANNELIZATION, ROAD RUNOFF, LOSS RIPARIAN VEGETATION; EROSION/SEDIMENTATION
VT11-18	FLOOD BROOK, TO 0.1 MI BELOW DAM	TEMPERATURE	ALS	FAIR BIO DATA, USFS TO MONITOR TEMP AND D.O.
VT12-01	SOUTH BRANCH DEERFIELD RIVER, UP FROM SHERMAN RES	ACID DEPOSITION	ALS, 2CR	LOW ALK/LOW BUFFERING CAPACITY AND SO LOW PH

Stressed Waters List. Waters appearing below are have been assessed as stressed. While these waters are in compliance with the Water Quality Standards, stressors are present that impede the water from attaining the highest water quality.

Waterbody ID	Segment Name/ Description	Possible Pollutant(s)	Use(s) Stressed	Surface Water Quality Problem
VT12-05	BASELODGE TRIBUTARY, FROM MOUTH UP 0.2 MILES	PHYSICAL ALTERATION, SEDIMENTATION	AH	SKI AREA DEVELOPMENT
	BEAVER BROOK	PHYSICAL ALTERATION, SEDIMENT	AH	CHANNEL RELOCATION, STRAIGHTENING
	NORTH BRANCH DEERFIELD RIVER, SNOW LAKE TO TANNERY BROOK RD	PHYSICAL ALTERATIONS, TEMP	ALS	ONSTREAM IMPOUNDMENT, PARKING LOT AND ROAD RUNOFF
	OAK BROOK, MOUTH TO HEADWATERS	ACID	ALS	LOW pH ATTRIBUTABLE TO ATM DEPOSITION
VT13-05	CT RIVER, BELOW VERNON DAM	TRITIUM	DWS	TRITIUM LEAK TO GROUNDWATER FROM VERMONT YANKEE
VT13-07	LULLS BROOK	SEDIMENT	AES, ALS	SEDIMENTATION FROM GRAVEL ROAD RUNOFF & OTHER SOURCES; NEEDS ADDITIONAL ASSESSMENT
VT13-08	MILL BROOK, FROM MILL POND DAM TO CONN R	SEDIMENTATION, STORMWATER	ALS, AES	IMPOUNDMENT DE-SILTING, DEVELOPED LAND RUNOFF
	MILL BROOK, FROM WILLOW BRK CONFLUENCE TO MILL POND (APPROX 8.6 MI)	SEDIMENT, HABITAT ALTERATION	ALS,	STREAMBANK EROSION, ROAD MAINTENANCE & RUNOFF; BUGS FAIR IN 2014, FISH GOOD IN 2014
VT13-14	WHETSTONE BROOK, BEND NW OF LIVING MEM PARK DOWN	SEDIMENTS, FLOW	ALS, AES	STREAMBANK EROSION, DEVELOPED LAND RUNOFF, CHANNELIZATION, CHANGED HYDROLOGY
VT13-16	CENTRAL PARK BROOK	ACIDITY	ALS	LOW BUFFERING CAPACITY
VT14-04	WAITS RIVER, BELOW SOUTH BRANCH CONFLUENCE	SEDIMENT, TEMPERATURE	ALS, 2CR	HABITAT ALTERATION, CHANNEL WIDENING, EROSION, LAND RUNOFF
VT14-05	WAITS RIVER, SOUTH BRANCH UPD TO TABOR BRANCH	TEMPS, PHYSICAL ALTERATIONS	2CR	CHANNELIZATION, WIDE SHALLOW CHANNEL
VT14-07	WELLS RIVER	METALS (Fe)	AES	NEWBURY LANDFILL LEACHATE ENTERING SURFACE WATER VIA GROUNDWATER
VT15-03	SIMPSON BROOK	UNDEFINED	ALS	IMPACTS TO FISH COMMUNITY, UNDETERMINED SOURCES
	WATER ANDRIC	NUTRIENTS, ENRICHMENT, DO	ALS	DANVILLE WWTF
VT15-04	SLEEPERS RIVER	OIL	AES, CR, 2CR	FAIRBANKS-MORSE FOUNDRY SITE: OIL SPILLS, OTHER POSSIBLE CONTAMINANTS
		METALS (Ni)	ALS	ELEVATED LEVELS OF Ni IN SEDIMENT

Stressed Waters List. Waters appearing below are have been assessed as stressed. While these waters are in compliance with the Water Quality Standards, stressors are present that impede the water from attaining the highest water quality.

Waterbody ID	Segment Name/ Description	Possible Pollutant(s)	Use(s) Stressed	Surface Water Quality Problem
VT15-05	UNNAMED OUTLET STREAM OF LILY POND IN LYNDON	PRIORITY ORG (TCE), METALS (IN SEDIMENT)	DWS	PARKER LANDFILL RECEIVED HAZARDOUS WASTE; CONTAMINATED GROUNDWATER & STREAM SEDIMENTS CONTAIN METALS
VT15-06	MILLER RUN	PHYSICAL ALTERATION, SEDIMENTS	AH, 2CR, AES	AG LAND WITH NO BUFFERS, STREAMBANK EROSION
VT15-08	DISH MILL BROOK TRIBUTARY #2	SEDIMENT	ALS	HIGH EMBEDDEDNESS, EROSION FROM PARKING AREAS, MACROINVERTS @ RM0.1 - FAIR 2005, GOOD 2006, FAIR 2007
	DISH MILL BROOK, MOUTH TO RM 1.3	SEDIMENT, HYDROLOGIC ALTERATIONS	ALS	SCOUR EVENTS FROM INCREASED PEAK FLOWS; PERIODIC SEDIMENTATION ISSUES
VT15-09	CHESTERFIELD VALLEY/ MOOSE RIVER	E. COLI	CR	ELEVATED E. COLI; AG BMP INSTALLED IN 2008 WITH IMPROVEMENT NOTED
VT16-16	SCALES BROOK	SEDIMENT	ALS	LAND DEVELOPMENT, AGRICULTURAL RUNOFF
VT17-01	JOHNS RIVER	NITROGEN, TURBIDITY, CONDUCTIVITY	AH, AES	FARMS, GRANITE PROCESSING & LAGOONS, WETLANDS ARE ADJACENT LAND USES
VT17-01L01	LAKE MEMPHREMAGOG (Newport)	MERCURY	FC	ELEVATED LEVELS OF MERCURY IN WALLEYE
VT17-01L02	SOUTH BAY (Newport)	MERCURY	FC	ELEVATED LEVELS OF MERCURY IN WALLEYE
VT17-02	STEARNS BROOK, CANADA BORDER UP TO HOLLAND ROAD	SEDIMENT	AH, 2CR, AES	ERODING STREAMBANKS, POOR LOGGING, POOR ROAD MAINTENANCE
VT17-04	CLYDE RIVER, TRIBUTARY #1, MOUTH TO RM 0.1	UNDEFINED	ALS	FISH POOR IN 2014; ADDITIONAL INVESTIGATION NEEDED
VT17-04L06	CLYDE POND (Derby)	MERCURY	FC	ELEVATED LEVELS OF MERCURY IN WALLEYE
VT17-08	BARTON RIVER, BELOW ETHAN ALLEN WETLANDS	TOXICS	ALS	NEED FISH COMMUNITY AND SEDIMENT MONITORING