

### Vermont Nonpoint Source Impaired Waters (May 2015)

<b>Waterbody ID</b>	<b>Waterbody or Segment Name</b>	<b>Nonpoint Source Pollutant(s)</b>	<b>Nonpoint Source Problem Causing Impairment</b>	<b>TMDL approval date or Priority for TMDL development (Low, Medium, High)</b>
01-02	HOOSIC RIVER, ENTIRE 7 MILE LENGTH IN VERMONT	PCBs	ELEVATED LEVELS OF TOXIC CONTAMINANT IN BROWN TROUT	L
01-02	LADD BROOK, MOUTH TO RM 0.4	SEDIMENT	INDICATION OF SEDIMENT STRESS; POTENTIAL IMPACTS FROM ERODING GRAVEL ROADS	M
01-03	BARNEY BROOK, MOUTH TO RM 1.5	SEDIMENT, IRON	DOWNSTREAM OF LANDFILL, HAZ SITE, AND CONSTRUCTED WETLANDS; SILT AND IRON PRECIPITATE CAUSING FISH/INVERT IMPACTS	M
01-05	LYE BROOK, RM 2.5 TO HEADWATERS (4.5 MILES)	ACID	ATMOSPHERIC DEPOSITION: CRITICALLY ACIDIFIED; CHRONIC ACIDIFICATION	M
01-05L01	BOURN POND (Sunderland)	ACID	ATMOSPHERIC DEPOSITION: EXTREMELY SENSITIVE TO ACIDIFICATION; EPISODIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 30, 2003
01-05L10	LITTLE MUD (Winhall)	ACID	ATMOSPHERIC DEPOSITION: CRITICALLY ACIDIFIED; CHRONIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 20, 2004
01-05L11	LYE BROOK - N (Sunderland)	ACID	ATMOSPHERIC DEPOSITION: CRITICALLY ACIDIFIED; CHRONIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 30, 2003

01-05L12	LYE BROOK - S (Sunderland)	ACID	ATMOSPHERIC DEPOSITION: CRITICALLY ACIDIFIED; CHRONIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 30, 2003
01-06	BRANCH POND BROOK (POND TO ROARING BRANCH)	ACID	ATMOSPHERIC DEPOSITION: CRITICALLY ACIDIFIED; CHRONIC ACIDIFICATION	M
01-06	FAYVILLE BRANCH, RM 3.7 TO HEADWATERS	ACID	ACIDIFICATION, ACID DEPOSITION	M
01-06L01	BRANCH POND (Sunderland)	ACID	ATMOSPHERIC DEPOSITION: CRITICALLY ACIDIFIED; CHRONIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 30, 2003
01-06L02	BEEBE POND (Sunderland)	ACID	ATMOSPHERIC DEPOSITION: EXTREMELY SENSITIVE TO ACIDIFICATION; EPISODIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 20, 2004
02-01	POULTNEY RIVER, MOUTH UPSTRM TO CARVERS FALLS (10.4 MILES)	MERCURY	ELEVATED LEVELS OF Hg IN WALLEYE	EPA APPROVED REGIONAL MERCURY TMDL ON DECEMBER 20, 2007
02-02	HUBBARDTON RIVER, TRIB #7, BELOW WWTF DISCHARGE	E. COLI, NUTRIENTS, TEMPERATURE	BENSON WWTF, AG RUNOFF POSSIBLE SOURCES; MONITORING & ASSESSMENT REQUIRED	M
02-03	CASTLETON RIVER, FAIR HAVEN	E. COLI	WWTF PUMP STATION OVERFLOWS	L
02-05	UNNAMED TRIB TO METTAWEE RIVER	METALS (IRON, ZINC)	PAWLET LANDFILL LEACHATE	M
02-05	FLOWER BROOK, MOUTH TO RM 0.5	E. COLI	ELEVATED E. COLI MONITORING RESULTS	EPA APPROVED TMDL SEPTEMBER 30, 2011

03-01	LOWER OTTER CREEK, BELOW VERGENNES WWTF (APPROX 7 MILES)	E. COLI	PERIODIC & RECURRING OVERFLOWS AT PUMP STATIONS WITHIN THE COLLECTION SYSTEM	L
03-01	LOWER OTTER CREEK, MOUTH UPSTREAM TO VERGENNES DAM (APPROX 7.6 MILES)	MERCURY	ELEVATED LEVELS OF Hg IN WALLEYE	EPA APPROVED REGIONAL MERCURY TMDL ON DECEMBER 20, 2007
03-01	OTTER CREEK, MOUTH OF MIDDLEBURY RIVER TO PULP MILL BRIDGE (4.0 MI)	E. COLI	AGRICULTURAL RUNOFF, POSSIBLE FAILED SEPTIC SYSTEMS, MIDDLEBURY CSOs	EPA APPROVED TMDL SEPTEMBER 30, 2011
03-05	OTTER CREEK, VICINITY OF RUTLAND CITY WWTF	E. COLI	RUTLAND CITY WWTF COLLECTION SYSTEM PASSES CSOs	L
03-06	MOON BROOK, MOUTH TO RM 2.9	STORMWATER	STORMWATER RUNOFF; EROSION	EPA APPROVED TMDL FEBRUARY 19, 2009
03-07	LITTLE OTTER CREEK, RM 15.4 TO RM 16.4	NUTRIENTS, SEDIMENT	AGRICULTURAL RUNOFF	H
	LITTLE OTTER CREEK, MOUTH TO RM 7.8	E. COLI	ELEVATED E. COLI MONITORING RESULTS	EPA APPROVED TMDL SEPTEMBER 30, 2011
	LITTLE OTTER CREEK, MOUTH UPSTRM TO FALLS/LEDGE WEST RT 7 (CIRCA 1 MI)	MERCURY	ELEVATED LEVELS OF Hg IN WALLEYE; FISH PRESENT ONLY SEASONALLY; EXTREMELY LOW #s	EPA APPROVED REGIONAL MERCURY TMDL ON DECEMBER 20, 2007
	LITTLE OTTER CREEK, RM 15.4 TO RM 16.4	E. COLI	AGRICULTURAL RUNOFF	EPA APPROVED TMDL SEPTEMBER 30, 2011

VT03-08	LEWIS CREEK, PARSONAGE BRIDGE RD (LCR19.5) TO COVERED BRDG (LCR7.3)	E. COLI	AGRICULTURAL RUNOFF	EPA APPROVED TMDL SEPTEMBER 30, 2011
	POND BROOK, FROM LEWIS CREEK CONFLUENCE UPSTREAM (1.5 MILES)	E. COLI	AGRICULTURAL RUNOFF	EPA APPROVED TMDL SEPTEMBER 30, 2011
03-09	LOWER DEAD CREEK, FROM MOUTH UPSTREAM (APPROX 3 MILES)	MERCURY	ELEVATED LEVELS OF Hg IN WALLEYE	EPA APPROVED REGIONAL MERCURY TMDL ON DECEMBER 20, 2007
03-11L01	NORTH POND (Bristol)	ACID	ATMOSPHERIC DEPOSITION: CRITICALLY ACIDIFIED; CHRONIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 30, 2003
03-11L02	GILMORE POND (Bristol)	ACID	ATMOSPHERIC DEPOSITION: EXTREMELY SENSITIVE TO ACIDIFICATION; EPISODIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 30, 2003
03-12	HALNON BROOK, TRIBUTARY #1	NUTRIENTS	ELEVATED NUTRIENTS AFFECT AQUATIC BIOTA	M
	MIDDLEBURY RIVER, FROM MOUTH UPSTREAM 2 MILES	E. COLI	AGRICULTURAL RUNOFF, LIVESTOCK, POSSIBLE FAILED SEPTIC SYSTEMS	EPA APPROVED TMDL SEPTEMBER 30, 2011
03-14	EAST CREEK, MOUTH TO 0.2 MI (BELOW CSO DISCHARGE PTS #2 AND #9)	E. COLI	RUTLAND CITY COLLECTION SYSTEM CSO	L
03-14L03	CHITTENDEN RESERVOIR (Chittenden)	MERCURY	ELEVATED LEVELS OF MERCURY IN WALLEYE	EPA APPROVED REGIONAL MERCURY TMDL ON DECEMBER 20, 2007

03-18L02	GRIFFITH LAKE (Peru)	ACID	ATMOSPHERIC DEPOSITION: EXTREMELY SENSITIVE TO ACIDIFICATION; EPISODIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 30, 2003
03-18L03	BIG MUD POND (Mt. Tabor)	ACID	ATMOSPHERIC DEPOSITION: EXTREMELY SENSITIVE TO ACIDIFICATION; EPISODIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 30, 2003
03-18L06	LONG HOLE (Mt. Tabor)	ACID	ATMOSPHERIC DEPOSITION: CRITICALLY ACIDIFIED; CHRONIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 30, 2003
03-18L07	LITTLE MUD (Mt. Tabor)	ACID	ATMOSPHERIC DEPOSITION: EXTREMELY SENSITIVE TO ACIDIFICATION; EPISODIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 30, 2003
04-01L01	OTTER CREEK SECTION - LAKE CHAMPLAIN (Ferrisburg)	PCBs	ELEVATED LEVELS OF PCBs IN LAKE TROUT	L
04-01L01	OTTER CREEK SECTION - LAKE CHAMPLAIN (Ferrisburg)	MERCURY	ELEVATED LEVELS OF MERCURY IN WALLEYE	EPA APPROVED REGIONAL MERCURY TMDL ON DECEMBER 20, 2007
	OTTER CREEK SECTION - LAKE CHAMPLAIN (Ferrisburg)	PHOSPHORUS	P ENRICHMENT	EPA APPROVED LAKE CHAMPLAIN PHOSPHORUS TMDL SEPTEMBER 25, 2002. EPA DISSAPPROVED IN 2011. EPA DEVELOPING NEW TMDL EXPECTED 2015

04-01L02	PORT HENRY SECTION - LAKE CHAMPLAIN (Ferrisburg)	PCBs	ELEVATED LEVELS OF PCBs IN LAKE TROUT	L
	PORT HENRY SECTION - LAKE CHAMPLAIN (Ferrisburg)	MERCURY	ELEVATED LEVELS OF MERCURY IN WALLEYE	EPA APPROVED REGIONAL MERCURY TMDL ON DECEMBER 20, 2007
	PORT HENRY SECTION - LAKE CHAMPLAIN (Ferrisburg)	PHOSPHORUS	P ENRICHMENT	EPA APPROVED LAKE CHAMPLAIN PHOSPHORUS TMDL SEPTEMBER 25, 2002. EPA DISSAPPROVED IN 2011. EPA DEVELOPING NEW TMDL EXPECTED 2015
04-02L01	SOUTHERN SECTION - LAKE CHAMPLAIN (Bridport)	PCBs	ELEVATED LEVELS OF PCBs IN LAKE TROUT	L
	SOUTHERN SECTION - LAKE CHAMPLAIN (Bridport)	MERCURY	ELEVATED LEVELS OF MERCURY IN WALLEYE	EPA APPROVED REGIONAL MERCURY TMDL ON DECEMBER 20, 2007
	SOUTHERN SECTION (A) - LAKE CHAMPLAIN (Bridport)	PHOSPHORUS	P ENRICHMENT	EPA APPROVED LAKE CHAMPLAIN PHOSPHORUS TMDL SEPTEMBER 25, 2002. EPA DISSAPPROVED IN 2011. EPA DEVELOPING NEW

				TMDL EXPECTED 2015
	SOUTHERN SECTION (B) - LAKE CHAMPLAIN (Bridport)	PHOSPHORUS	P ENRICHMENT	EPA APPROVED LAKE CHAMPLAIN PHOSPHORUS TMDL SEPTEMBER 25, 2002. EPA DISSAPPROVED IN 2011. EPA DEVELOPING NEW TMDL EXPECTED 2015
05-01	ROCK RIVER, UPSTREAM FROM QUE/VT BORDER (APPROX 13 MILES)	NUTRIENTS, SEDIMENT	AGRICULTURAL RUNOFF; NUTRIENT ENRICHMENT	H
	ROCK RIVER - MOUTH TO VT/QUE BORDER (3.6 MILES)	NUTRIENTS, SEDIMENT	ALGAL GROWTH; AGRICULTURAL RUNOFF	H
	SAXE BROOK (TRIB TO ROCK RIVER) FROM MOUTH UPSTREAM 1 MILE	NUTRIENTS	AGRICULTURAL RUNOFF	H
05-01L01	MISSISQUOI BAY - LAKE CHAMPLAIN (Alburg)	MERCURY	ELEVATED LEVELS OF MERCURY IN WALLEYE	EPA APPROVED REGIONAL MERCURY TMDL ON DECEMBER 20, 2007

	MISSISQUOI BAY - LAKE CHAMPLAIN (Alburg)	PHOSPHORUS	P ENRICHMENT	EPA APPROVED LAKE CHAMPLAIN PHOSPHORUS TMDL SEPTEMBER 25, 2002. EPA DISSAPPROVED IN 2011. EPA DEVELOPING NEW TMDL EXPECTED 2015
05-02L01	LAKE CARMİ (Franklin)	PHOSPHORUS	ALGAE BLOOMS	EPA APPROVED TMDL APRIL 13, 2009
05-04L01	NORTHEAST ARM - LAKE CHAMPLAIN (Swanton)	PCBs	ELEVATED LEVELS OF PCBs IN LAKE TROUT	L
	NORTHEAST ARM - LAKE CHAMPLAIN (Swanton)	MERCURY	ELEVATED LEVELS OF MERCURY IN WALLEYE	EPA APPROVED REGIONAL MERCURY TMDL ON DECEMBER 20, 2007
	NORTHEAST ARM - LAKE CHAMPLAIN (Swanton)	PHOSPHORUS	P ENRICHMENT	EPA APPROVED LAKE CHAMPLAIN PHOSPHORUS TMDL SEPTEMBER 25, 2002. EPA DISSAPPROVED IN 2011. EPA DEVELOPING NEW TMDL EXPECTED 2015
05-04L02	ISLE LAMOTTE - LAKE CHAMPLAIN (Alburg)	PCBs	ELEVATED LEVELS OF PCBs IN LAKE TROUT	L



	ISLE LAMOTTE - LAKE CHAMPLAIN (Alburg)	MERCURY	ELEVATED LEVELS OF MERCURY IN WALLEYE	EPA APPROVED REGIONAL MERCURY TMDL ON DECEMBER 20, 2007
05-07	STEVENS BROOK, LASALLE ST DOWNSTREAM 0.5 MI	METALS (Cd, Ba, CN, Zn)	SED CONTAMINATION FROM ST ALBANS GAS AND LIGHT HAZ WASTE SITE	L
	JEWETT BROOK (3.5 MILES)	NUTRIENTS, SEDIMENT, E. COLI	AGRICULTURAL RUNOFF	H
	STEVENS BROOK, MOUTH UPSTREAM 6.5 MILES	NUTRIENTS, SEDIMENT, E. COLI	AGRICULTURAL RUNOFF; MORPHOLOGICAL INSTABILITY, ST ALBANS CSO	H
	MILL RIVER, FROM ST. ALBANS BAY TO 1.8 MILES UPSTREAM	NUTRIENTS, SEDIMENT	AGRICULTURAL RUNOFF, STREAMBANK EROSION	H
	RUGG BROOK, FROM MOUTH TO APPROX 3.1 MILES UPSTREAM	NUTRIENTS, SEDIMENT, E. COLI	AGRICULTURAL RUNOFF	H
	RUGG BROOK, RM 3.1 TO RM 5.3	STORMWATER	STORMWATER RUNOFF	EPA APPROVED TMDL FEBRUARY 19, 2009
	STEVENS BROOK, RM 6.5 (PEARL ST) TO RM 9.3	STORMWATER	STORMWATER RUNOFF, EROSION/SEDIMENTATION, MORPHOLOGICAL INSTABILITY	EPA APPROVED TMDL FEBRUARY 19, 2009
05-07L01	ST. ALBANS BAY - LAKE CHAMPLAIN (St. Albans)	PCBs	ELEVATED LEVELS OF PCBs IN LAKE TROUT	L
	ST. ALBANS BAY - LAKE CHAMPLAIN (St. Albans)	MERCURY	ELEVATED LEVELS OF MERCURY IN WALLEYE	EPA APPROVED REGIONAL MERCURY TMDL ON DECEMBER 20, 2007

	ST. ALBANS BAY - LAKE CHAMPLAIN (St. Albans)	PHOSPHORUS	P ENRICHMENT	EPA APPROVED LAKE CHAMPLAIN PHOSPHORUS TMDL SEPTEMBER 25, 2002. EPA DISSAPPROVED IN 2011. EPA DEVELOPING NEW TMDL EXPECTED 2015
05-09	DIRECT SMALLER DRAINAGES TO INNER MALLETT'S BAY	E. COLI	URBAN RUNOFF, POTENTIAL FAILED/FAILING SEPTIC SYSTEMS; INCLUDES SMITH HOLLOW BROOK & CROOKED CREEK	EPA APPROVED TMDL SEPTEMBER 30, 2011
	INDIAN BROOK, RM 5.8 (SUZIE WILSON RD) TO RM 9.8	STORMWATER	STORMWATER RUNOFF, LAND DEVELOPMENT, EROSION	EPA APPROVED TMDL AUGUST 21, 2008
05-09L01	MALLETT'S BAY - LAKE CHAMPLAIN (Colchester)	PCBs	ELEVATED LEVELS OF PCBs IN LAKE TROUT	L
	MALLETT'S BAY - LAKE CHAMPLAIN (Colchester)	MERCURY	ELEVATED LEVELS OF MERCURY IN WALLEYE	EPA APPROVED REGIONAL MERCURY TMDL ON DECEMBER 20, 2007
05-10	ENGLESBY BROOK	E. COLI	ELEVATED E. COLI LEVELS	EPA APPROVED TMDL SEPTEMBER 30, 2011
	ENGLESBY BROOK, MOUTH TO RM 1.3	STORMWATER	STORMWATER RUNOFF, BLANCHARD BEACH CLOSURE	EPA APPROVED TMDL SEPTEMBER 30, 2007
05-10L01	BURLINGTON BAY - LAKE CHAMPLAIN (Burlington)	PCBs	ELEVATED LEVELS OF PCBs IN LAKE TROUT	L

	BURLINGTON BAY - LAKE CHAMPLAIN - PINE STREET BARGE CANAL (Burlington)	PRIORITY & NONPRIORITY ORGANICS, METALS, OIL, GREASE, PCBs	CONTAM'N FROM COAL TAR IN SEDIMENTS OF PINE ST BARGE CANAL (SITE #770042)	VERY LOW - NO TMDL NEEDED
	BURLINGTON BAY - LAKE CHAMPLAIN (Burlington)	MERCURY	ELEVATED LEVELS OF MERCURY IN WALLEYE	EPA APPROVED REGIONAL MERCURY TMDL ON DECEMBER 20, 2007
05-10L02	MAIN SECTION - LAKE CHAMPLAIN (South Hero)	PCBs	ELEVATED LEVELS OF PCBs IN LAKE TROUT	L
	MAIN SECTION - LAKE CHAMPLAIN (South Hero)	MERCURY	ELEVATED LEVELS OF MERCURY IN WALLEYE	EPA APPROVED REGIONAL MERCURY TMDL ON DECEMBER 20, 2007
	MAIN SECTION - LAKE CHAMPLAIN (South Hero)	PHOSPHORUS	P ENRICHMENT	EPA APPROVED LAKE CHAMPLAIN PHOSPHORUS TMDL SEPTEMBER 25, 2002. EPA DISSAPPROVED IN 2011. EPA DEVELOPING NEW TMDL EXPECTED 2015
05-11	BARTLETT BROOK, MOUTH TO RM 0.7	STORMWATER	STORMWATER RUNOFF, LAND DEVELOPMENT, EROSION	EPA APPROVED TMDL SEPTEMBER 30, 2007
	LAPLATTE RIVER FROM HINESBURG TO MOUTH (10.5 MILES)	E. COLI	AGRICULTURAL RUNOFF	EPA APPROVED TMDL SEPTEMBER 30, 2011

	LAPLATTE RIVER, AT MOUTH	MERCURY	ELEVATED LEVELS OF Hg IN WALLEYE	EPA APPROVED REGIONAL MERCURY TMDL ON DECEMBER 20, 2007
	MUD HOLLOW BROOK, FROM MOUTH TO 3 MILES UPSTREAM	E. COLI	AGRICULTURAL RUNOFF, STREAMBANK EROSION	EPA APPROVED TMDL SEPTEMBER 30, 2011
	MUNROE BROOK, MOUTH TO RM 2.8	STORMWATER	STORMWATER RUNOFF, EROSION, LAND DEVELOPMENT	EPA APPROVED TMDL AUGUST 21, 2008
	POTASH BROOK	E. COLI	ELEVATED E. COLI LEVELS	EPA APPROVED TMDL SEPTEMBER 30, 2011
	POTASH BROOK, MOUTH TO RM 5.2	STORMWATER	STORMWATER RUNOFF, LAND DEVELOPMENT, EROSION	EPA APPROVED TMDL DECEMBER 19, 2006
05-11L01	SHELBURNE BAY - LAKE CHAMPLAIN (Shelburne)	PCBs	ELEVATED LEVELS OF PCBs IN LAKE TROUT	L
	SHELBURNE BAY - LAKE CHAMPLAIN (Shelburne)	MERCURY	ELEVATED LEVELS OF MERCURY IN WALLEYE	EPA APPROVED REGIONAL MERCURY TMDL ON DECEMBER 20, 2007
	SHELBURNE BAY - LAKE CHAMPLAIN (Shelburne)	PHOSPHORUS	P ENRICHMENT	EPA APPROVED LAKE CHAMPLAIN PHOSPHORUS TMDL SEPTEMBER 25, 2002. EPA DISSAPPROVED IN 2011. EPA DEVELOPING NEW TMDL EXPECTED 2015

06-01	MISSISQUOI RIVER, MOUTH UPSTRM TO SWANTON DAM (APPROX 8 MILES)	MERCURY	ELEVATED LEVELS OF Hg IN WALLEYE	EPA APPROVED REGIONAL MERCURY TMDL ON DECEMBER 20, 2007
06-04	BERRY BK, MOUTH UP TO AND INCLUDING NO. TRIB (APPROX. 1 MI)	SEDIMENT, NUTRIENTS	AGRICULTURAL RUNOFF, AQUATIC HABITAT IMPACTS	H
	TROUT BROOK, UPSTREAM FROM MOUTH FOR 2.3 MILES	NUTRIENTS	AGRICULTURAL RUNOFF	H
	GODIN BROOK	NUTRIENTS, SEDIMENT	AGRICULTURAL RUNOFF, AQUATIC HABITAT IMPACTS	H
	SAMSONVILLE BROOK	NUTRIENTS, SEDIMENT	AGRICULTURAL RUNOFF, AQUATIC HABITAT IMPACTS	H
	BERRY BROOK, MOUTH UP TO AND INCLUDING N. TRIB (APPROX. 1 MILE)	E. COLI	ELEVATED E. COLI LEVELS	EPA APPROVED TMDL SEPTEMBER 30, 2011
	GODIN BROOK	E. COLI	ELEVATED E. COLI LEVELS	EPA APPROVED TMDL SEPTEMBER 30, 2011
	SAMSONVILLE BROOK	E. COLI	ELEVATED E. COLI LEVELS	EPA APPROVED TMDL SEPTEMBER 30, 2011
06-05	WANZER BROOK (MOUTH TO RM 4.0)	NUTRIENTS, SEDIMENT	AGRICULTURAL RUNOFF	H
06-06L01	KINGS HILL POND (Bakersfield)	ACID	ATMOSPHERIC DEPOSITION: EXTREMELY SENSITIVE TO ACIDIFICATION; EPISODIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 30, 2003

06-08	BURGESS BROOK, RM 4.9 TO 5.4	SEDIMENT	ASBESTOS MINE TAILINGS EROSION; ASBESTOS FIBERS	L
	BURGESS BROOK TRIBUTARY# 11, MOUTH TO RM 0.5	SEDIMENT	ASBESTOS MINE TAILINGS EROSION; ASBESTOS FIBERS	L
	MUD CREEK, FROM VT/QUE BORDER UP TO RM 6.5 (APPROX. 3.2 MILES)	NUTRIENTS, SEDIMENT	AGRICULTURAL RUNOFF; NUTRIENT ENRICHMENT	H
	COBURN BROOK (MOUTH TO RM 0.2)	NUTRIENTS	AGRICULTURAL ACTIVITY AND RUNOFF	H
	SOUTH MOUNTAIN BRANCH, TRIBUTARY #3	SEDIMENT	EROSION FROM PARKING AREAS AND ON-MOUNTAIN ACTIVITIES	VERY LOW – NO TMDL NEEDED
	JAY BRANCH, RM 7.3 TO RM 9.1	SEDIMENT	EROSION FROM LAND DEVELOPMENT ACTIVITIES	VERY LOW – NO TMDL NEEDED
	JAY BRANCH-TRIBUTARY #9	SEDIMENT	EROSION FROM LAND DEVELOPMENT ACTIVITIES	VERY LOW – NO TMDL NEEDED
07-01	LOWER LAMOILLE RIVER FROM CLARKS FALLS DAM TO ROUTE 2 BRIDGE (6 MILES)	LOW D.O.	3 DAMS (CLARKS, MILTON, PETERSON) CREATE D.O. PROBLEMS DOWNSTREAM	VERY LOW – NO TMDL NEEDED
	LAMOILLE RIVER, MOUTH TO CLARKS FALLS DAM (8.5 MILES)	MERCURY	ELEVATED LEVELS OF Hg IN WALLEYE	EPA APPROVED REGIONAL MERCURY TMDL ON DECEMBER 20, 2007
07-03	DEER BROOK, MOUTH TO 2.5 MILES UPSTREAM	SEDIMENT	EROSION FROM STORMWATER DISCHARGES; CORRODING ROAD CULVERTS; BMPs IMPLEMENTED	M

07-03L03	ARROWHEAD MOUNTAIN LAKE (Milton)	MERCURY	ELEVATED LEVELS OF MERCURY IN WALLEYE	EPA APPROVED REGIONAL MERCURY TMDL ON DECEMBER 20, 2007
07-08	RODMAN BROOK, MOUTH TO RM 0.6	IRON	IMPACTS FROM LANDFILL LEACHATE	M
07-13	TRIB TO BREWSTER RIVER (1 MILE)	METALS (IRON)	IRON SEEPS ON STREAMBANK; BMPs IN PLACE	L
07-13L02	LAKE-OF-THE-CLOUDS (Cambridge)	ACID	ATMOSPHERIC DEPOSITION: CRITICALLY ACIDIFIED; CHRONIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 30, 2003
07-15	HUTCHINS BROOK, RM 2.0 TO 3.0	SEDIMENT	ASBESTOS MINE TAILINGS EROSION; ASBESTOS FIBERS	L
	HUTCHINS BROOK TRIBUTARY #4, MOUTH TO RM 0.3	SEDIMENT	ASBESTOS MINE TAILINGS EROSION; ASBESTOS FIBERS	L
08-01	**WINOOSKI RIVER, MOUTH TO WINOOSKI DAM (~10.5 MILES)	E. COLI	BURLINGTON CSOs	L
	WINOOSKI RIVER, MOUTH TO WINOOSKI DAM	MERCURY	ELEVATED LEVELS OF Hg IN WALLEYE	EPA APPROVED REGIONAL MERCURY TMDL ON DECEMBER 20, 2007
08-02	TRIBUTARY #4 AND TRIB TO TRIB #4, MUDDY BROOK	UNDEFINED	CHLORIDE AND TCE IMPACT FROM PAST DISPOSAL ACTIVITIES	L
	UNNAMED TRIB TO WINOOSKI RIVER	METALS (Fe, As)	SO. BURLINGTON LANDFILL LEACHATE ENTERING SURFACE WATER	VERY LOW – NO TMDL NEEDED
	ALLEN BROOK	E. COLI	ELEVATED E. COLI LEVELS	EPA APPROVED TMDL SEPTEMBER 30, 2011

	ALLEN BROOK, RM 2.4 TO RM 5.0 (Talcott Rd)	STORMWATER	STORMWATER RUNOFF, LAND DEVELOPMENT; EROSION	EPA APPROVED TMDL AUGUST 21, 2008
	CENTENNIAL BROOK, MOUTH TO RM 1.2	STORMWATER	STORMWATER RUNOFF, LAND DEVELOPMENT; EROSION	EPA APPROVED TMDL SEPTEMBER 30, 2007
	MOREHOUSE BROOK, MOUTH TO RM 0.6	STORMWATER	STORMWATER RUNOFF, EROSION	EPA APPROVED TMDL SEPTEMBER 30, 2007
	SUNDERLAND BROOK, RM 3.5 (RT. 7) TO RM 5.3	STORMWATER	STORMWATER RUNOFF, LAND DEVELOPMENT; EROSION	EPA APPROVED TMDL AUGUST 21, 2008
08-02L01	SHELBURNE POND (Shelburne)	PHOSPHORUS	EXCESSIVE ALGAE AND NATIVE PLANT GROWTH CAUSES PERIODIC LOW D.O./FISH KILLS	L
08-05	WINOOSKI RIVER ABOVE MONTPELIER WWTF DISCHARGE	E. COLI	MONTPELIER WWTF COLLECTION SYSTEM PASSES COMBINED SEWER OVERFLOWS	L
08-08	MUDDY BROOK (0.1 MILE)	METALS (Fe)	CV LANDFILL: LEACHATE ENTERING SURFACE WATER	VERY LOW – NO TMDL NEEDED
08-09	WINOOSKI RIVER - CABOT VILLAGE	E. COLI	RESIDENTIAL DIRECT DISCHARGES &/OR FAILED SEPTIC SYSTEMS	EPA APPROVED TMDL MARCH 8, 2001
08-10	HUNTINGTON RIVER, VICINITY OF BRIDGE STREET IN HUNTINGTON	E. COLI	ELEVATED E. COLI LEVELS DETECTED AT SEVERAL SAMPLING STATIONS	EPA APPROVED TMDL SEPTEMBER 30, 2011
08-11L02	WATERBURY RESERVOIR (Waterbury)	SEDIMENT	SEDIMENTATION, TURBIDITY	L
08-12	INN BROOK, RM 0.3 TO 0.6	IRON	IRON SEEPS ORIGINATING FROM DISTURBED SOILS	L



	WEST BRANCH LITTLE RIVER, RM 7.5 TO 8.0	UNDEFINED	IMPACTS TO MACROINVERT. COMMUNITY; POTENTIAL SOURCES INCLUDE HYDROLOGIC MODIFICATION, SEDIMENT, LOW pH	VERY LOW – NO TMDL NEEDED
	BIG SPRUCE BROOK, RM 0.2 TO RM 0.3	SEDIMENT, IRON	SEDIMENT IMPACTS, IRON SEEPS	VERY LOW – NO TMDL NEEDED
08-13	LOWER NORTH BRANCH, WINOOSKI RIVER (APPROX 1 MILE)	E. COLI	MONTPELIER WWTF COLLECTION SYSTEM PASSES COMBINED SEWER OVERFLOWS	L
08-13L01	HARDWOOD POND (Elmore)	ACID	ATMOSPHERIC DEPOSITION: EXTREMELY SENSITIVE TO ACIDIFICATION; EPISODIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 30, 2003
08-16	GUNNER BROOK, BELOW FARWELL ST. DUMP (APPROX 0.5 MILE)	METALS (Cu, Fe), NUTRIENTS, SEDIMENT	FARWELL ST. LANDFILL LEACHATE, SURFACE RUNOFF FROM DEVELOPED AREA	M
	TRIB (#23) TO STEVENS BR, BELOW WILLIAMSTOWN WWTF OUTFALL (0.5 MI)	NUTRIENTS	TREATED EFFLUENT DISCHARGE TO SMALL RECV'ING WATER	VERY LOW – NO TMDL NEEDED
08-18	MAD RIVER, MOUTH TO MORETOWN (6.2 MILES)	E. COLI	POSIBLE FAILING SEPTIC SYSTEMS AND OTHER UNKNOWN SOURCES; ELEVATED E. COLI LEVELS	EPA APPROVED TMDL SEPTEMBER 30, 2011

08-20	CLAY BROOK, RM 1.8 TO RM 2.3	STORMWATER, IRON	STORMWATER RUNOFF, EROSION FROM CONSTRUCTION ACTIVITIES & GRAVEL PARKING LOT; INCREASED PEAK STORMWATER FLOWS	L
09-06	SMITH BROOK (MOUTH TO RM 0.3)	IRON	APPARENT LEACHATE FROM ADJACENT OLD DUMP	M
09-07L01	SKYLIGHT POND (Ripton)	ACID	ATMOSPHERIC DEPOSITION: EXTREMELY SENSITIVE TO ACIDIFICATION; EPISODIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 20, 2004
10-04	WETLAND DRAINING TO SMALL STREAM TO OTTAUQUECHEE RIVER (BRIDGEWATER)	METALS (Fe)	BRIDGEWATER LANDFILL; LEACHATE ENTERING SURFACE WATER VIA WETLAND	M
10-06	ROARING BROOK, RM 3.5 TO RM 4.2	STORMWATER	STORMWATER RUNOFF, LAND DEVELOPMENT; EROSION	L
	E. BRANCH ROARING BROOK, RM 0.1 TO RM 0.6	STORMWATER, IRON	STORMWATER RUNOFF, LAND DEVELOPMENT, EROSION	L
10-11	BLACK RIVER; FROM MOUTH TO FELLOWS DAM (~ 4.6 MI.)	E. COLI	COMBINED SEWER OVERFLOWS	L
11-08L01	SUNSET LAKE (Marlboro)	ACID	ATMOSPHERIC DEPOSITION: EXTREMELY SENSITIVE TO ACIDIFICATION; EPISODIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 30, 2003
11-10	WEST RIVER, BELOW BALL MOUNTAIN DAM TO	TEMPERATURE	ELEVATED TEMPERATURES AFFECT FISHERY	L

	TOWNSHEND DAM (9 MILES)			
11-15	KIDDER BROOK, CONFLUENCE OF SUN BOWL BROOK TO HEADWATERS	ACID	ATMOSPHERIC DEPOSITION: CRITICALLY ACIDIFIED; CHRONIC ACIDIFICATION	M
	BEAR CREEK BROOK, RM 0.7 TO HEADWATERS	ACID	ATMOSPHERIC DEPOSITION: CRITICALLY ACIDIFIED; CHRONIC ACIDIFICATION	M
	BALL MOUNTAIN BROOK, ABOVE NORTH BRANCH CONFLUENCE	ACID	ATMOSPHERIC DEPOSITION: CRITICALLY ACIDIFIED; CHRONIC ACIDIFICATION	M
	NO. BRANCH, BALL MTN BROOK, STRATTON LAKE TO KIDDER BROOK	MANGANESE	CONTRIBUTIONS/RELEASES OF REDUCED Mn FROM RESERVOIR SEDIMENT COATING STREAM SUBSTRATE ("BLACK ROCKS")	VERY LOW – NO TMDL NEEDED
	STYLES BROOK (2 MILES)	SEDIMENT	LAND DEVELOPMENT, HYDROLOGIC MODIFICATION	EPA APPROVED TMDL JUNE 21, 2002
11-15L01	FORESTER POND (Jamaica)	ACID	ATMOSPHERIC DEPOSITION: CRITICALLY ACIDIFIED; CHRONIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 30, 2003
11-15L02	LITTLE POND (Winhall)	ACID	ATMOSPHERIC DEPOSITION: EXTREMELY SENSITIVE TO ACIDIFICATION; EPISODIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 20, 2004
11-16L01	STRATTON POND (Stratton)	ACID	ATMOSPHERIC DEPOSITION: EXTREMELY SENSITIVE TO ACIDIFICATION; EPISODIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 30, 2003
11-17	WEST RIVER, APPROX 1 MILE BELOW TO 0.5	E. COLI	POSSIBLE SEPTIC SYSTEM DISCHARGES	EPA APPROVED TMDL SEPTEMBER 30, 2011

	MILE ABOVE SOUTH LONDONDERRY			
11-18L03	LILY POND (Londonderry)	ACID	ATMOSPHERIC DEPOSITION; EXTREMELY SENSITIVE TO ACIDIFICATION; EPISODIC ACIDIFICATION	TMDL APPROVED BY USEPA REGION 1 ON SEPTEMBER 27, 2012
11-18L06	MOSES (Weston)	ACID	ATMOSPHERIC DEPOSITION: CRITICALLY ACIDIFIED; CHRONIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 30, 2003
12-01L01	HARRIMAN RESERVOIR (Whitingham)	MERCURY	ELEVATED LEVEL OF MERCURY IN ALL FISH EXCEPT BROWN BULLHEAD	EPA APPROVED REGIONAL MERCURY TMDL ON DECEMBER 20, 2007
	HARRIMAN RESERVOIR (Whitingham)	ACID	ATMOSPHERIC DEPOSITION: EXTREMELY SENSITIVE TO ACIDIFICATION; EPISODIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 20, 2004
12-01L04	SHERMAN RESERVOIR (Whitingham)	MERCURY	ELEVATED LEVEL OF MERCURY IN ALL FISH EXCEPT BROWN BULLHEAD	EPA APPROVED REGIONAL MERCURY TMDL ON DECEMBER 20, 2007
12-02L02	HOWE POND (Readsboro)	ACID	ATMOSPHERIC DEPOSITION: EXTREMELY SENSITIVE TO ACIDIFICATION; EPISODIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 30, 2003
12-02L03	STAMFORD POND (Stamford)	ACID	ATMOSPHERIC DEPOSITION: EXTREMELY SENSITIVE TO ACIDIFICATION; EPISODIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 30, 2003
12-03	EAST BRANCH DEERFIELD RIVER, BELOW SOMERSET DAM, 5.2 MILES	ACID	ATMOSPHERIC DEPOSITION: CRITICALLY ACIDIFIED; CHRONIC ACIDIFICATION	M

	EAST BRANCH DEERFIELD RIVER, BELOW SOMERSET DAM	MERCURY	ELEVATED LEVELS OF Hg IN ALL FISH	EPA APPROVED REGIONAL MERCURY TMDL ON DECEMBER 20, 2007
12-03L01	GROUT POND (Stratton)	MERCURY	ELEVATED LEVEL OF MERCURY IN ALL FISH EXCEPT BROWN BULLHEAD	EPA APPROVED REGIONAL MERCURY TMDL ON DECEMBER 20, 2007
	GROUT POND (Stratton)	ACID	ATMOSPHERIC DEPOSITION: EXTREMELY SENSITIVE TO ACIDIFICATION; EPISODIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 30, 2003
12-03L02	SOMERSET RESERVOIR (Somerset)	MERCURY	ELEVATED LEVEL OF MERCURY IN ALL FISH EXCEPT BROWN BULLHEAD	EPA APPROVED REGIONAL MERCURY TMDL ON DECEMBER 20, 2007
	SOMERSET RESERVOIR (Somerset)	ACID	ATMOSPHERIC DEPOSITION: EXTREMELY SENSITIVE TO ACIDIFICATION; EPISODIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 30, 2003
12-04	UPPER DEERFIELD RIVER, BELOW SEARSBURG DAM, 3.6 MILES	ACID	ATMOSPHERIC DEPOSITION; CRITICALLY ACIDIFIED; CHRONIC ACIDIFICATION	M
	UPPER DEERFIELD RIVER, BELOW SEARSBURG DAM	MERCURY	ELEVATED LEVELS OF Hg IN ALL FISH	EPA APPROVED REGIONAL MERCURY TMDL ON DECEMBER 20, 2007
12-04L01	ADAMS RESERVOIR (Woodford)	ACID	ATMOSPHERIC DEPOSITION: EXTREMELY SENSITIVE TO ACIDIFICATION; EPISODIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 30, 2003
12-04L02	LOST POND (Glastenbury)	ACID	ATMOSPHERIC DEPOSITION: CRITICALLY ACIDIFIED; CHRONIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 20, 2004

12-04L04	LITTLE POND (Woodford)	ACID	ATMOSPHERIC DEPOSITION: CRITICALLY ACIDIFIED; CHRONIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 30, 2003
12-04L05	SEARSBURG RESERVOIR (Searsburg)	MERCURY	ELEVATED LEVEL OF MERCURY IN ALL FISH EXCEPT BROWN BULLHEAD	EPA APPROVED REGIONAL MERCURY TMDL ON DECEMBER 20, 2007
12-05	NO. BRANCH DEERFIELD RIVER, TANNERY BRK RD TO 0.2 MI ABOVE SNOW LAKE	STORMWATER	STORMWATER RUNOFF, LAND DEVELOPMENT & CONSTRUCTION RELATED EROSION	L
	IRON STREAM, TRIB TO JACKS BROOK (0.3 MILE)	IRON	LAND DEVELOPMENT, SOURCE(S) NEED FURTHER ASSESSMENT	M
	NO. BRANCH, DEERFIELD RIVER, VICINITY OF WEST DOVER	E. COLI	HIGH E.COLI LEVELS; CAUSE(S) & SOURCE(S) UNKNOWN; NEEDS ASSESSMENT	EPA APPROVED TMDL SEPTEMBER 30, 2011
12-05L01	HAYSTACK POND (Wilmington)	ACID	ATMOSPHERIC DEPOSITION: CRITICALLY ACIDIFIED; CHRONIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 30, 2003
12-07L01	SOUTH POND (Marlboro)	ACID	ATMOSPHERIC DEPOSITION: EXTREMELY SENSITIVE TO ACIDIFICATION; EPISODIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 30, 2003
13-10	COMMISSARY BROOK TRIB, MOUTH TO RM 0.2	SEDIMENT	BANK FAILURE AND EROSION DUE TO PAST CLAY MINING	L
13-13	CROSBY BROOK, MOUTH TO RM 0.7	SEDIMENT	HABITAT ALTERATIONS DUE TO SEDIMENTATION, CHANNELIZATION AND BUFFER LOSS	M

13-14	WHETSTONE BROOK - BRATTLEBORO	E. COLI	SOURCES UNKNOWN, POTENTIALLY FAULTY SEWER LINE/SEPTIC SYSTEM	EPA APPROVED TMDL SEPTEMBER 30, 2011
13-16	NEWTON BROOK, MOUTH TO RM 2.0	SEDIMENT	AGRICULTURAL ACTIVITY	H
13-16L01	LILY POND (Vernon)	ACID	ATMOSPHERIC DEPOSITION; EXTREMELY SENSITIVE TO ACIDIFICATION; EPISODIC ACIDIFICATION	TMDL APPROVED BY USEPA REGION 1 ON SEPTEMBER 27, 2012
14-02	LORDS BROOK, HEADWATER TRIBUTARY #2 AND TRIB 2-TRIB 1	METALS	ABANDONED MINE DRAINAGE BELOW "SOUTH CUT" AND "SOUTH MINE"	L
	COPPERAS BROOK (1 MILE)	METALS, ACID	HIGH METALS IN DRAINAGE FROM ABANDONED ELIZABETH MINE & FROM TAILINGS PILES	L
14-03	SCHOOLHOUSE BROOK AND TRIBUTARY	METALS, ACID	HIGH METALS IN DRAINAGE FROM ABANDONED ELY MINE	M
	OMPOMPANOOSUC RIVER, USACOE BEACH AREA TO BRIMSTONE CORNER (9.8 MI)	E. COLI	ELEVATED E. COLI LEVELS	EPA APPROVED TMDL SEPTEMBER 30, 2011
14-05	PIKE HILL BROOK, FROM MOUTH TO 4 MILES UPSTREAM	METALS	HIGH METALS IN DRAINAGE FROM ABANDONED PIKE HILL MINE & TAILINGS	M
	TABOR BRANCH TRIBUTARY #6, MOUTH TO RM 0.1	UNDEFINED	AGRICULTURAL RUNOFF	H
14-06	COOKVILLE TRIB #4, RM 1.0 TO 1.7	METALS	ACID MINE DRAINAGE ASSOCIATED WITH PIKE HILL MINE	L

14-07L01	LEVI POND (Groton)	ACID	ATMOSPHERIC DEPOSITION: EXTREMELY SENSITIVE TO ACIDIFICATION; EPISODIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 20, 2004
14-07L02	TICKLENAKED POND (Ryegate)	PHOSPHORUS	ALGAE BLOOMS, HIGH pH, LOW D.O.; MANURE RUNOFF	EPA APPROVED TMDL NOVEMBER 30, 2009
15-01	PASSUMPSIC RIVER, TREMONT STREET DNWSTRM 5 MILES THROUGH ST J.	E. COLI	ST. JOHNSBURY WWTF COLLECTION SYSTEM PASSES COMBINED SEWER OVERFLOWS	L
15-04	LOWER SLEEPERS RIVER IN ST. JOHNSBURY	E. COLI	ST. JOHNSBURY WWTF COLLECTION SYSTEM PASSES COMBINED SEWER OVERFLOWS	L
16-04L01	MOORE RESERVOIR (Waterford)	MERCURY	ELEVATED LEVELS OF MERCURY IN ALL FISH	EPA APPROVED REGIONAL MERCURY TMDL ON DECEMBER 20, 2007
16-05L01	COMERFORD RESERVOIR (Barnet)	MERCURY	ELEVATED LEVELS OF MERCURY IN ALL FISH	EPA APPROVED REGIONAL MERCURY TMDL ON DECEMBER 20, 2007
16-11L01	UNKNOWN POND (Averys Gore)	ACID	ATMOSPHERIC DEPOSITION: EXTREMELY SENSITIVE TO ACIDIFICATION; EPISODIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 30, 2003
17-01L01	LAKE MEMPHREMAGOG (Newport)	PHOSPHORUS	EXCESSIVE ALGAE GROWTH, NUTRIENT ENRICHMENT	H
17-02	STEARNS BROOK TRIBUTARY (HOLLAND)	NUTRIENTS	AGRICULTURAL RUNOFF	H



17-02L02	TURTLE POND (Holland)	ACID	ATMOSPHERIC DEPOSITION: EXTREMELY SENSITIVE TO ACIDIFICATION; EPISODIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 30, 2003
17-02L06	DUCK POND (Holland)	ACID	ATMOSPHERIC DEPOSITION: EXTREMELY SENSITIVE TO ACIDIFICATION; EPISODIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 30, 2003
17-03L03	HALFWAY POND (Norton)	ACID	ATMOSPHERIC DEPOSITION: CRITICALLY ACIDIFIED; CHRONIC ACIDIFICATION	EPA APPROVED TMDL SEPTEMBER 30, 2003
17-04L04	LAKE SALEM (Derby)	MERCURY	ELEVATED LEVELS OF MERCURY IN WALLEYE	EPA APPROVED REGIONAL MERCURY TMDL ON DECEMBER 20, 2007

**Vermont Nonpoint Source Impaired Waters – Waters Altered by Exotic Species (May 2015)**

<b>Waterbody ID number</b>	<b>Segment Name</b>	<b>Problem</b>	<b>Status</b>
01-03L05	LAKE PARAN (Bennington)	LOCALLY ABUNDANT EURASIAN WATERMILFOIL GROWTH	WEEVIL PRESENT; NOTED NATURAL MILFOIL DECLINE IN 1991
02-01	DISCRETE AREAS OF LOWER POULTNEY RIVER	LOCALLY ABUNDANT WATER CHESTNUT GROWTH	HANDPULLING ONGOING SINCE 1998 BY TNC
02-01L01	COGGMAN POND (West Haven)	LOCALLY ABUNDANT EURASIAN WATERMILFOIL GROWTH	POPULATION CONFIRMED IN 1998
		WATER CHESTNUT INFESTATION	CONFIRMED POPULATION IN 1998; DEC/TNC HANDPULLING ONGOING SINCE 1999; POPULATION SPIKED IN 2012 POST-T.S. IRENE
02-02L05	LAKE HORTONIA (Hubbardton)	LOCALLY ABUNDANT EURASIAN WATERMILFOIL GROWTH	POPULATION CONFIRMED IN 1984; WEEVIL PRESENT; HERBICIDE TREATMENTS 2000, 2004 AND 2010 (SONAR), 2006-2008 (RENOVATE) AND NON-CHEM FOLLOWUP
02-02L06	BLACK POND (Hubbardton)	LOCALLY ABUNDANT EURASIAN WATERMILFOIL GROWTH	POPULATION CONFIRMED IN 1987; WEEVIL PRESENT; WEEVIL AUGMENTATION 1997-2000 (MIDDLEBURY COLLEGE)
02-03	CASTLETON RIVER	LOCALLY ABUNDANT EURASIAN WATERMILFOIL	NO CONTROL
02-03L05	LAKE BOMOSEEN (Castleton)	LOCALLY ABUNDANT EURASIAN WATERMILFOIL GROWTH	POPULATION CONFIRMED IN 1982; WEEVIL PRESENT; WEEVIL AUGMENTATION (93, 94, 97); 1997 + 2001 MILFOIL DECLINES OF UNKNOWN CAUSE
		ZEBRA MUSSEL INFESTATION	ZM POPULATION DISCOVERED IN 1999; FIRST WATER INTAKE LINE CLOGGED IN LATE 2001; ADULTS COMMON THRUOUT MOST OF LAKE IN 2005
02-03L06	GLEN LAKE (Castleton)	ABUNDANT EURASIAN WATERMILFOIL GROWTH	POPULATION CONFIRMED IN 1983; WEEVIL PRESENT; NOTED NATURAL MILFOIL DECLINE IN 1992; WSMD WEEVIL HARVEST IN 1999-2013; MIDDLEBURY COLLEGE WEEVIL HARVEST IN 2005 + 2006
02-05L02	LITTLE POND (WELLS)	LOCALLY ABUNDANT EURASIAN WATERMILFOIL GROWTH	POPULATION CONFIRMED 1983; PART OF ST. CATHERINE LRMP 2004-2013

02-05L03	LAKE ST. CATHERINE (Wells)	LOCALLY ABUNDANT EURASIAN WATERMILFOIL GROWTH	POPULATION CONFIRMED IN 1983; WEEVIL PRESENT; HERBICIDE TREATMENTS 2004 (SONAR), 2006-2013 (RENOVATE) AND NON-CHEM FOLLOWUP
02-05L03	LAKE ST. CATHERINE (Wells)	ALEWIVES	ALEWIVES CONFIRMED IN 1997, NOW ABUNDANT THRUOUT LAKE; VT DF&W CONTROL ALTERNATIVES REPORT (2004)
	SUNRISE LAKE (BENSON)	LOCALLY ABUNDANT EURASIAN WATERMILFOIL GROWTH	POPULATION CONFIRMED 1987; WEEVIL PRESENT. AGGRESSIVE LOCAL CONTROLS (SONAR AND NON-CHEM) ABANDONED IN 2003(?)
03-04	LEICESTER RIVER	LOCALLY ABUNDANT EURASIAN WATERMILFOIL	LIMITED LOCAL HAND PULLING
03-06L01	BEAVER POND (Proctor)	DENSE EURASIAN WATERMILFOIL GROWTH IN MOST SHORELINE AREAS	POPULATION CONFIRMED IN 2000; WEEVIL PRESENT; NO CONTROL ACTIVITIES
03-07L01	VERGENNES WATERSHED (Bristol)	DENSE EURASIAN WATERMILFOIL GROWTH IN MOST SHORELINE AREAS	POPULATION CONFIRMED IN 1985; WEEVIL INTRODUCED 93-94 (WSMD and MIDDLEBURY COLLEGE); LIMITED EXPERIMENTAL INTRO - POOR RESPONSE; NO FURTHER CONTROL ACTIVITIES
03-08L02	CEDAR LAKE (MONKTON POND) (Monkton)	LOCALLY ABUNDANT EURASIAN WATERMILFOIL GROWTH	POPULATION CONFIRMED IN 1990; WEEVIL PRESENT; WEEVIL AUGMENT'N 97-98 (MIDDLEBURY COLLEGE) and 2008 (CITIZEN); NOTED NATURAL MILFOIL DECLINE IN 1997, RETURNED TO MODERATE IN 2000
03-10L01	RICHVILLE POND (Shoreham)	DENSE EURASIAN WATERMILFOIL GROWTH IN MOST SHORELINE AREAS	POPULATION CONFIRMED IN 1998; NO CONTROL ACTIVITIES
03-14L04	BURR POND (Sudbury)	LOCALLY ABUNDANT EURASIAN WATERMILFOIL GROWTH	POPULATION CONFIRMED IN 1991; WEEVIL PRESENT; WEEVIL AUGMENTATION 2013 (CONTRACTOR). HERBICIDE TREATMENTS 2000, 2004, (SONAR), 2006-2008 (RENOVATE) AND NON-CHEM FOLLOWUP
03-15L01	CHIPMAN LAKE (TINMOUTH POND) (Tinmouth)	LOCALLY ABUNDANT EURASIAN WATERMILFOIL GROWTH	POPULATION CONFIRMED IN 1988; WEEVIL PRESENT; ONGOING LOCAL NON-CHEMICAL CONTROL PROGRAM; SOLARBEE INSTALLED IN 2006 AS EXPERIMENTAL CONTROL FOR EWM
03-17L01	STAR LAKE (Mount Holly)	LOCALLY ABUNDANT EURASIAN WATERMILFOIL GROWTH	POPULATION CONFIRMED IN 1987; WEEVIL PRESENT; HERBICIDE TREATMENTS 2004 AND 2011 (SONAR), 2007 (RENOVATE); SWITCHED TO MECHANICAL HARVESTING IN 2012

04-01L01	OTTER CREEK SECTION - LAKE CHAMPLAIN (Ferrisburg)	EURASIAN WATERMILFOIL INFESTATION	WEEVILS PRESENT IN LAKE CHAMPLAIN
04-01L01	OTTER CREEK SECTION - LAKE CHAMPLAIN (Ferrisburg)	ZEBRA MUSSEL INFESTATION	CHAMPLAIN II & DIAMOND ISL STONE BOAT WRECKS COVERED; NATIVE MUSSELS MOSTLY EXTIRPATED; NEARLY ALL SUITABLE SUBSTRATE COVERED
04-01L02	PORT HENRY SECTION - LAKE CHAMPLAIN (Ferrisburg)	ZEBRA MUSSEL INFESTATION	NEARLY ALL SUITABLE SUBSTRATE COVERED; EXPANDING ONTO SOFT SUBSTRATE; NATIVE MUSSELS MOSTLY EXTIRPATED
		EURASIAN WATERMILFOIL INFESTATION	WEEVILS PRESENT IN LAKE CHAMPLAIN
04-02	WHITNEY CREEK	LOCALLY ABUNDANT EURASIAN WATERMILFOIL	NO CONTROL
04-02L01	SOUTHERN SECTION - LAKE CHAMPLAIN (Bridport)	DENSE WATER CHESTNUT GROWTH	ONGOING DEC HARVESTING WITH SIGNIFICANT CONTROL PROGRAMS; NORTHWARD EXPANSION HALTED IN 1999; 2010 CONTROL EFFORTS HIT "NARROWS OF DRESDEN" - A FIRST IN PROGRAM HISTORY
		ZEBRA MUSSEL INFESTATION	NEARLY ALL SUITABLE SUBSTRATE COVERED; EXPANDING ONTO SOFT SUBSTRATE; NATIVE MUSSELS MOSTLY EXTIRPATED
		EURASIAN WATERMILFOIL INFESTATION	WEEVILS PRESENT IN LAKE CHAMPLAIN
04-03	EAST CREEK, ORWELL	LOCALLY ABUNDANT WATER CHESTNUT GROWTH	HANDPULLING ONGOING BY TNC/DEC
	SOUTH FORK OF EAST CREEK, ORWELL	LOCALLY ABUNDANT WATER CHESTNUT GROWTH	HANDPULLING ONGOING BY TNC/DEC
04-04L04	BROOKSIDE POND	LOCALLY ABUNDANT WATER CHESTNUT GROWTH	POPULATION CONFIRMED IN 2008; HANDPULLING BY DEC; POPULATION SPIKED IN 2012 POST T.S. IRENE

05-01L01	MISSISQUOI BAY - LAKE CHAMPLAIN (Alburg)	EURASIAN WATERMILFOIL INFESTATION	WEEVILS PRESENT IN LAKE CHAMPLAIN
		ZEBRA MUSSEL INFESTATION	ADULT ZEBRA MUSSELS FOUND AT BRIDGE (1998). ADULTS FOUND N. OF BRIDGE,W. OF MISSISQUOI R. (2004-2005), THROUGHOUT BAY IN 2007
05-01L01	MISSISQUOI BAY - LAKE CHAMPLAIN (Alburg)	LOCALLY ABUNDANT VARIABLE-LEAVED WATERMILFOIL POPULATION	POPULATION CONFIRMED IN 2008, LOCATED MOSTLY WITHIN MNWR. HANDPULLING BY DEC; POPULATION SPIKED IN 2012 POST T.S. IRENE
	MISSISQUOI BAY-LAKE CHAMPLAIN (Alburg)	LOCALLY ABUNDANT WATER CHESTNUT GROWTH	CONFIRMED 2005 AND LOCATED MOSTLY IN MNWR; HANDPULLING ONGOING BY DEC, MNWR AND OTHERS; POPULATION SPIKED IN 2012 POST T.S. IRENE
05-01L03	BULLIS POND	LOCALLY ABUNDANT WATER CHESTNUT GROWTH	POPULATION CONFIRMED IN 2007; HANDPULLING BY DEC; POPULATION SPIKED IN 2012 POST T.S. IRENE
05-02L01	LAKE CARMIL (Franklin)	LOCALLY ABUNDANT EURASIAN WATERMILFOIL GROWTH	POPULATION CONFIRMED IN 1970s; WEEVIL PRESENT; WEEVIL AUGMENTATION 2013 (CITIZEN); ONGOING MECHANICAL HARVESTING
05-04L01	NORTHEAST ARM - LAKE CHAMPLAIN (Swanton)	EURASIAN WATERMILFOIL INFESTATION	WEEVILS PRESENT IN LAKE CHAMPLAIN; WEEVILS INTRODUCED INTO PELOTS BAY IN 1999 + 2000; LOCAL MECHANICAL HARVESTING ONGOING IN PELOTS BAY
		ZEBRA MUSSEL INFESTATION	ADULT ZEBRA MUSSELS EXPANDING RAPIDLY
05-04L02	ISLE LAMOTTE - LAKE CHAMPLAIN (Alburg)	ZEBRA MUSSEL INFESTATION	NEARLY ALL SUITABLE SUBSTRATE COVERED; EXPANDING ONTO SOFT SUBSTRATE; NATIVE MUSSELS MOSTLY EXTIRPATED
		EURASIAN WATERMILFOIL INFESTATION IN SOME NEAR SHORE AREAS	WEEVILS PRESENT IN LAKE CHAMPLAIN

05-07L01	ST. ALBANS BAY - LAKE CHAMPLAIN (St. Albans)	EURASIAN WATERMILFOIL INFESTATION	HARVESTING IN PAST AND AGAIN IN 2005; LOCAL HARVESTING PLUS NUISANCE NATIVES SINCE 2007; WEEVILS PRESENT IN LAKE CHAMPLAIN
		ZEBRA MUSSEL INFESTATION	ADULT ZEBRA MUSSELS EXPANDING RAPIDLY
05-09L01	MALLETTS BAY - LAKE CHAMPLAIN (Colchester)	EURASIAN WATERMILFOIL INFESTATION	WEEVILS PRESENT IN LAKE CHAMPLAIN
		ZEBRA MUSSEL INFESTATION	NATIVE MUSSELS IMPACTED IN OUTER MALLETTS BAY
05-10L01	BURLINGTON BAY - LAKE CHAMPLAIN (Burlington)	EURASIAN WATERMILFOIL INFESTATION IN SOME NEAR SHORE AREAS	WEEVILS PRESENT IN LAKE CHAMPLAIN
		ZEBRA MUSSEL INFESTATION	ZEBRA MUSSELS ON GEN. BUTLER WRECK; NEARLY ALL SUITABLE SUBSTRATE IN BAY COVERED; EXPANDING ONTO SOFT SUBSTRATE; NATIVE MUSSELS MOSTLY EXTIRPATED
05-10L02	MAIN SECTION - LAKE CHAMPLAIN (South Hero)	ZEBRA MUSSEL INFESTATION	NEARLY ALL SUITABLE SUBSTRATE COVERED; EXPANDING ONTO SOFT SUBSTRATE; NATIVE MUSSELS MOSTLY EXTIRPATED
		EURASIAN WATERMILFOIL INFESTATION IN SOME NEAR SHORE AREAS	WEEVILS PRESENT IN LAKE CHAMPLAIN
05-11L01	SHELBURNE BAY - LAKE CHAMPLAIN (Shelburne)	EURASIAN WATERMILFOIL INFESTATION	WEEVILS PRESENT IN LAKE CHAMPLAIN
		ZEBRA MUSSEL INFESTATION	NEARLY ALL SUITABLE SUBSTRATE COVERED; EXPANDING ONTO SOFT SUBSTRATE; NATIVE MUSSELS MOSTLY EXTIRPATED

05-11L02	LAKE IROQUOIS (Hinesburg)	LOCALLY ABUNDANT EURASIAN WATERMILFOIL GROWTH	POPULATION CONFIRMED IN 1990; WEEVIL PRESENT; WEEVIL AUGMENTATION 1996-2011 (CITIZEN)
06-05L01	METCALF POND (Fletcher)	LOCALLY ABUNDANT EURASIAN WATERMILFOIL GROWTH	POPULATION CONFIRMED IN 1984
06-05L02	FAIRFIELD SWAMP POND (Swanton)	LOCALLY ABUNDANT EURASIAN WATERMILFOIL GROWTH	POPULATION CONFIRMED IN 2008; NO CONTROL
06-05L03	FAIRFIELD POND (Fairfield)	LOCALLY ABUNDANT EURASIAN WATERMILFOIL GROWTH	POPULATION CONFIRMED IN 1993; WEEVIL PRESENT; WEEVIL AUGMENTATION 2005 + 2006 (MIDDLEBURY COLLEGE); ONGOING LOCAL NON-CHEMICAL CONTROL PROGRAM
07-03L03	ARROWHEAD MOUNTAIN LAKE (Milton)	LOCALLY ABUNDANT EURASIAN WATERMILFOIL GROWTH	POPULATION CONFIRMED IN 1988; WEEVIL PRESENT; NOTED NATURAL MILFOIL DECLINE IN 1995; WEEVIL AUGMENTATION (98-99)
07-08L02	LAKE ELMORE (Elmore)	LOCALLY ABUNDANT EURASIAN WATERMILFOIL GROWTH	POPULATION DISCOVERED IN 2002, ALREADY MODERATE IN DENSITY; ONGOING LOCAL NON-CHEMICAL CONTROL PROGRAM
08-01	LOWER WINOOSKI RIVER	LOCALLY ABUNDANT EURASIAN WATERMILFOIL GROWTH	NO CONTROL
08-02L01	SHELBURNE POND (Shelburne)	LOCALLY ABUNDANT CURLY-LEAF PONDWEED (POTAMOGETON CRISPUS) GROWTH	POPULATION CONFIRMED 1996; NO CONTROL
08-11	WATERBURY RESERVOIR (Waterbury)	LOCALLY ABUNDANT BRITTLE NAIAD (Najas minor) GROWTH	POPULATION CONFIRMED IN 2012; NO CONTROL
11-07	WEST RIVER - RETREAT MEADOWS AREA	LOCALLY ABUNDANT EURASIAN WATERMILFOIL GROWTH	HAND PULLING
12-01L02	SADAWGA LAKE	LOCALLY ABUNDANT EURASIAN WATERMILFOIL GROWTH	POPULATION CONFIRMED IN 2006; NO CONTROL
13-02	CT RIVER, HOYTS LNDNG, WILDER DAM, TRANSCANADA LAUNCH	LOCALLY ABUNDANT EURASIAN WATERMILFOIL GROWTH	POPULATION CONFIRMED 1995; NO CONTROL ACTIVITIES
13-08L01	MILL POND (KENNEDYS POND) (Windsor)	LOCALLY ABUNDANT EURASIAN WATERMILFOIL GROWTH	POPULATION CONFIRMED 1987; LIMITED NON-CHEMICAL CONTROLS

16-19L03	HALLS LAKE (Newbury)	LOCALLY ABUNDANT EURASIAN WATERMILFOIL GROWTH	POPULATION CONFIRMED IN 1991; WEEVIL PRESENT; ONGOING LOCAL NON-CHEMICAL CONTROL PROGRAM
17-04L05	LAKE DERBY (Derby)	LOCALLY ABUNDANT EURASIAN WATERMILFOIL GROWTH	POPULATION CONFIRMED IN 2009; ONGOING NON-CHEMICAL CONTROL PROGRAM
17-07L01	BROWNINGTON POND (Brownington)	LOCALLY ABUNDANT EURASIAN WATERMILFOIL GROWTH	POPULATION CONFIRMED IN 1986; WEEVIL PRESENT; NOTED NATURAL DECLINE (1989) - LINKED TO WEEVIL POPULATION; MILFOIL POPULATION VARIES WITH WEEVIL POPULATION
17-10L01	LAKE ELLIGO (ELIGO POND) (Craftsbury)	LOCALLY ABUNDANT EURASIAN WATERMILFOIL GROWTH	POPULATION CONFIRMED IN 1997; WEEVIL PRESENT; AGGRESSIVE LOCAL NON-CHEMICAL CONTROL PROGRAM ABANDONED IN 2009; WEEVIL AUGMENTATION 2005-2006 (MIDDLEBURY COLLEGE) AND 2007-2008 (CITIZEN)
17-10L04	GREAT HOSMER (CRAFTSBURY)	LOCALLY ABUNDANT EURASIAN WATERMILFOIL GROWTH	POPULATION CONFIRMED 2001; WEEVIL PRESENT; ONGOING LOCAL HANDPULLING



**Vermont Nonpoint Source Impaired Waters - Waters Altered by Flow Regulation (May 2015)**

<b>Waterbody ID Number</b>	<b>Segment Name</b>	<b>Problem</b>	<b>Status</b>
01-03	BASIN BROOK	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
	BOLLES BROOK/ROARING BRANCH, INTAKE TO CITY STREAM CONFLUENCE	POSSIBLE LACK OF MINIMUM FLOW BELOW WATER SUPPLY WITHDRAWAL POINT	WSID #5016 - BENNINGTON WATER DEP'T; ASSESSMENT OF WATER WITHDRAWAL IMPACT DIFFICULT GIVEN LOW PRODUCTIVITY & LOW pH EFFECT
03-04	LEICESTER RIVER, FROM DAM ON LAKE DUNMORE TO 1.0 MILE DOWNSTREAM	ARTIFICIAL FLOW REGULATION & CONDITION BY HYDRO	UNLICENSED FACILITY
	LEICESTER RIVER, FROM SALISBURY DAM TO 5 MILES DOWNSTREAM	POSSIBLE DOWNSTREAM FISH PASSAGE PROBLEM AT DAM (THREAT)	UNLICENSED FACILITY
		ARTIFICIAL FLOW REGULATION & CONDITION BY HYDRO	UNLICENSED FACILITY
03-04L05	LAKE DUNMORE (Salisbury)	WATER LEVEL MGMT BY HYDRO ALTERS AQUATIC BIOTA	LAKE ASSOC. HAS WATER LEVEL AGREEMENT W/GMP
03-05	OTTER CREEK, 0.1 MILES BELOW PROCTOR DAM	ARTIFICIAL DEWATERING OF LARGE WATERFALL BY HYDRO	FERC LICENSE EXPIRED IN 2012
03-06	FURNACE BROOK	LACK OF MINIMUM FLOW BELOW WATER SUPPLY WITHDRAWAL POINT	WSID #5228 - PROCTOR WATER DEPT

	KILN BROOK	LACK OF MINIMUM FLOW BELOW WATER SUPPLY WITHDRAWAL POINT (THREAT)	WSID #5228 - PROCTOR WATER DEPT; MUNICIPALITY STARTED MONITORING STREAMFLOWS IN 2007 IN COOP WITH ANR. TOWN HAS GRAVEL WELLS AND ARE SUPPOSED TO BE OFF THE BROOKS BY END OF 2014.
03-12	SOUTH BRANCH, MIDDLEBURY RIVER (1.4 MILES)	ARTIFICIAL FLOW CONDITION, INSUFFICIENT FLOW BELOW SNOW BOWL SNOWMAKING WATER WITHDRAWAL	PARTIAL SUPPORT 1.4 MI (6.0 MI TOTAL LENGTH)
03-14	EAST CREEK, CHITTENDEN RESERVOIR TO 4 MILES DOWNSTREAM	ARTIFICIAL FLOW REGULATION & CONDITION BY DAM; ONLY LOCAL DRAINAGE BELOW	UNLICENSED FACILITY
	EAST CREEK, FROM GLEN DAM TO 3.0 MILES DOWNSTREAM	ARTIFICIAL FLOW REGULATION & CONDITION BY HYDRO	UNLICENSED FACILITY
		POSSIBLE FISH PASSAGE PROBLEM AT DAM (THREAT)	UNLICENSED FACILITY
	EAST CREEK, FROM PATCH DAM TO 2.4 MILES DOWNSTREAM	POSSIBLE FISH PASSAGE PROBLEM AT DAM (THREAT)	UNLICENSED FACILITY
		ARTIFICIAL FLOW REGULATION & CONDITION BY HYDRO	UNLICENSED FACILITY
	MENDON BROOK (3.3 MILES)	ARTIFICIAL FLOW CONDITION, INSUFFICIENT FLOW BELOW PICO SNOWMAKING WATER WITHDRAWAL	PARTIAL SUPPORT 3.3 MI (6.9 MI TOTAL LENGTH)
	TRIB TO EAST CREEK, HYDRO FACILITY TO EAST CK CONFLUENCE	LOW DO DOWNSTREAM OF HYDRO FACILITY	UNLICENSED FACILITY
03-14L03	CHITTENDEN RESERVOIR (Chittenden)	WATER LEVEL FLUCTUATION BY HYDRO ALTERS AQUATIC BIOTA & WETLANDS	UNLICENSED FACILITY
03-14L05	PATCH POND (Rutland)	WATER LEVEL FLUCTUATIONS MAY ALTER AQUATIC BIOTA	UNLICENSED FACILITY

05-02L01	LAKE CARMI (Franklin)	WATER LEVEL MGMT MAY ALTER AQUATIC HABITAT	NEED TO DETERMINE EXTENT, TIMING, AND IMPACT OF DRAWDOWNS. WATER LEVEL MONITORING IN 2006 AND 2007
06-02	MISSISQUOI RIVER, BELOW ENOSBURG FALLS DAM (0.1 MILE)	ARTIFICIAL FLOW REGULATION & CONDITION BY HYDRO	FERC LICENSE EXPIRES IN 2023
06-04	STANHOPE BROOK	POSSIBLE LACK OF MINIMUM FLOW BELOW WATER SUPPLY WITHDRAWAL POINT	RICHFORD WATER SUPPLY
06-08	JAY BRANCH (4.7 MILES)	ARTIFICIAL & INSUFFICIENT FLOW BELOW JAY PEAK SNOWMAKING WATER WITHDRAWAL	PARTIAL SUPPORT 4.7 MI (8.7 MI TOTAL LENGTH); JAY PEAK EVALUATING EXPANSION/ALTERNATIVES
07-04	MID-LAMOILLE RIVER, IMMEDIATELY BELOW CADYS FALLS DAM (0.3 MILES)	POSSIBLE FISH PASSAGE PROBLEM AT DAM; LACK OF FLOWS TO SUPPORT AQUATIC HABITAT	FERC LICENSE EXPIRES IN 2015; IN FERC RELICENSING PROCESS
		ARTIFICIAL DEWATERING OF FALLS BY HYDRO	CURRENT FERC LICENSE EXPIRES IN 2015; IN FERC RELICENSING PROCESS
07-07	LAMOILLE RIVER - HARDWICK LAKE TO LAKE LAMOILLE IN MO'VILLE (15.7 MI)	WOLCOTT DAM: IMPOUNDMENT WATER LEVEL FLUCTUATION BY HYDRO IMPAIRS AQUATIC HABITAT; EROSION	UNLICENSED FACILITY
		POSSIBLE FISH PASSAGE PROBLEM AT DAMS (THREAT)	FERC LICENSE EXPIRES IN 2015; IN FERC RELICENSING PROCESS
		WOLCOTT DAM: ARTIFICIAL & POOR FLOW REGIME DOWNSTREAM	UNLICENSED FACILITY

		WOLCOTT DAM: POSSIBLE FISH PASSAGE PROBLEM AT DAM (THREAT)	UNLICENSED FACILITY
		BELOW MORRISVILLE DAM: NO FLOW IN BYPASS IMPAIRS AESTHETICS, RECREATION, HABITAT	FERC LICENSE EXPIRES IN 2015
		HARDWICK LAKE DAM: ARTIFICIAL FLOW REGIME DOWNRIVER	
07-07L01	LAKE LAMOILLE (Morristown)	WATER LEVEL FLUCT'N BY HYDRO MAY ALTER AQUATIC HABITAT	FERC LICENSE EXPIRES IN 2015; IN FERC RELICENSING PROCESS
07-08	ELMORE POND BROOK-FROM DAM TO 2.2 MILES DOWNSTREAM	ARTIFICIAL FLOW REGULATION & CONDITION BY DAM	FERC LICENSE EXPIRES IN 2015; IN FERC RELICENSING PROCESS
07-08L02	LAKE ELMORE (Elmore)	WATER LEVEL FLUCT'N BY HYDRO MAY ALTER AQUATIC HABITAT	FERC LICENSE EXPIRES IN 2015; IN FERC RELICENSING PROCESS
07-13	BREWSTER RIVER (5.9 MILES)	ARTIFICIAL FLOW CONDITION, INSUFFICIENT FLOW BELOW SMUGGLERS NOTCH SNOWMAKING WATER WITHDRAWAL	PARTIAL SUPPORT 5.9 MI (7.8 MI TOTAL LENGTH); SKI RESORT ON COMPLIANCE SCHEDULE
07-13	STERLING BROOK (0.8 MILE)	ARTIFICIAL FLOW CONDITION, INSUFFICIENT FLOW BELOW SMUGGLERS NOTCH SNOWMAKING WATER WITHDRAWAL	NON-SUPPORT 0.8 MI (1.8 MI TOTAL LENGTH); SKI RESORT ON COMPLIANCE SCHEDULE
	UNNAMED BROOK, TRIB TO BREWSTER RIVER (1 MILE)	ARTIFICIAL FLOW CONDITION, INSUFFICIENT FLOW BELOW MORSE RESERVOIR, USED FOR DOMESTIC WATER AND SNOWMAKING	NON-SUPPORT 1.0 MI (2.7 MI TOTAL LENGTH); SKI RESORT ON COMPLIANCE SCHEDULE FOR SNOWMAKING USE BUT NOT DOMESTIC WATER USE

07-21	NICHOLS BRK (WOODBURY) BELOW DAM ON E.LONG PD	ARTIFICIAL FLOW REGULATION & CONDITION AT DAM	NO LONGER USED FOR HYDROELECTRIC PURPOSES
07-21L01	EAST LONG POND (Woodbury)	WATER LEVEL FLUCTUATION BY HYDRO MAY ALTER AQUATIC HABITAT & ENDANGERED SPECIES	NEED TO DETERMINE CURRENT MANAGEMENT
07-21L05	HARDWICK LAKE (Hardwick)	WATER LEVEL FLUCT'N BY HYDRO ALTERS AQUATIC HABITAT & WETLANDS	NO LONGER MANAGED FOR HYDRO; LAKE DRAINED DURING FALL WINTER FOR ICE CONTROL
07-22L04	CASPIAN LAKE (Greensboro)	WATER LEVEL FLUCTUATION HAS POTENTIAL TO ALTER FISHERY	NO LONGER MANAGED FOR HYDRO
08-04	JOINER BROOK (2.9 MILES)	ARTIFICIAL & INSUFFICIENT FLOW BELOW BOLTON VALLEY SNOWMAKING WATER WITHDRAWAL	NON-SUPP 2.9 MI (5.7 MI TOTAL LENGTH)
08-05	WINOOSKI RIVER AT MIDDLESEX #2 DAM	ARTIFICIAL DEWATERING OF BYPASS BY HYDRO	UNLICENSED FACILITY
	WINOOSKI RIVER, IMPOUNDMENT OF MIDDLESEX #2 HYDRO (2 MILES)	WATER LEVEL FLUCTUATION BY HYDRO CAUSES IMPOUNDMENT STREAMBANK EROSION	UNLICENSED FACILITY
08-06	TYLER BRK (0.1 MI) & MERRIAM BRK (0.1 MI), THATCHER BROOK TRIBS	ARTIFICIAL & INADEQUATE FLOW CONDITION BELOW WATERBURY VILLAGE PUBLIC WATER SUPPLY WITHDRAWAL POINT	WSID #5284 - WATERBURY VILLAGE WATER
08-09	MOLLYS FALLS BROOK (2 MILES)	ARTIFICIAL FLOW CONDITION CREATED BY HYDRO; BYPASSES ONE OF VT'S HIGHEST WATERFALLS	UNLICENSED FACILITY
	SUCKER BROOK BELOW PEACHAM POND (1 MILE)	ARTIFICIAL FLOW REGULATION & CONDITION BELOW HYDRO DAM	UNLICENSED FACILITY
08-09L03	PEACHAM POND (Peacham)	WATER LEVEL FLUCT'N BY HYDRO-RELATED DAM MAY ALTER AQUATIC HABITAT	UNLICENSED FACILITY
08-09L05	MOLLYS FALLS RESERVOIR (Cabot)	WATER LEVEL FLUCT'N BY HYDRO ALTERS AQUATIC HABITAT & RECREATION	UNLICENSED FACILITY

08-11	LOWER LITTLE RIVER BELOW HYDRO DAM (2.6 MILES)	ARTIFICIAL FLOW REGIME & CONDITION BY HYDRO	SECTION 401 WQ CERTIFICATION APPL'N UNDER REVIEW BY DEC
08-11L02	WATERBURY RESERVOIR (Waterbury)	WATER LEVEL FLUCTUATION ALTERS ALL USES	CWA SECTION 401 WQ CERTIFICATION APPLICATION UNDER REVIEW BY VTDEC
08-16	BENJAMIN FALLS BROOK (POND BROOK) FROM BERLIN POND TO MOUTH	ARTIFICIAL DEWATERING OF BROOK BY MONTPELIER & BERLIN WATER SUPPLY WITHDRAWALS	WSID #5272
08-20	MILL BROOK (2.1 MILES)	ARTIFICIAL & INSUFFICIENT FLOW BELOW MAD RIVER GLEN SNOWMAKING WATER WITHDRAWAL	PARTIAL SUPPORT 2.1 MI (5.9 MI TOTAL LENGTH)
	SLIDE BROOK (0.8 MILE)	ARTIFICIAL & INSUFFICIENT FLOW BELOW MT. ELLEN SNOWMAKING WATER WITHDRAWAL	NON-SUPPORT 0.8 MI (3.4 MI TOTAL LENGTH)
09-06	LOWER FLINT BROOK	ARTIFICIAL FLOW REGULATION; POSSIBLE LACK OF MINIMUM FLOW BELOW FISH HATCHERY WITHDRAWAL (THREAT)	CONDITION BASED ON ANR OBSERVATIONS
09-07L04	SILVER LAKE (Barnard)	WATER LEVEL MGMT MAY ALTER AQUATIC HABITAT	WRP RULE WILL END DRAWDOWN IN 2014
10-01	LOWER OTTAUQUECHEE RIVER, BELOW NO. HARTLAND DAM (0.9 MILE)	ARTIFICIAL FLOW REGULATION & CONDITION	FLOW REGULATION LARGELY CONTROLLED BY HYDRO FACILITY. FERC LICENSE EXPIRES IN 2021
	LOWER OTTAUQUECHEE RIVER, BELOW OTTAUQUECHEE WOOLEN MILL DAM (0.1 MI)	ARTIFICIAL FLOW CONDITION, DEWATERING OF FALLS BY HYDRO	
10-02L01	NORTH HARTLAND RESERVOIR (Hartland)	ANNUAL WATER LEVEL FLUCTUATIONS ALTER AQUATIC HABITAT	DAM NOW USED FOR HYDROPOWER; OPERATED UNDER FERC LICENSE EXPIRES 2021

10-02L03	LAKE PINNEO	WATER LEVEL MANAGEMENT MAY ALTER AQUATIC HABITAT (THREAT)	QUECHEE CLUB; SNOWMAKING AND GOLF COURSE IRRIGATION WITHDRAWALS
11-07	WEST RIVER, MOUTH TO GRASSY BROOK (12 MILES)	WIDE SHALLOW CHANNEL, LOSS OF RIPARIAN VEGETATION, USACOE DAM OPERATION	
11-08	STICKNEY BROOK (2.5 MILES)	ARTIFICIAL FLOW CONDITION, SEASONALLY DEVOID OF FLOW BELOW DIVERSION DAM; DREDGING	WSID # 5290 - BRATTLEBORO WATER DEP'T; WATER SUPPLY RESERVOIR ABOVE DAM
11-10	WEST RIVER, BELOW BALL MTN DAM TO TOWNSHEND DAM IMPOUNDMENT (9 MILES)	ARTIFICIAL FLOW REGIME AT DAM	NO MINIMUM FLOW BY USACE BASED ON ANY BIOLOGICAL/WQ CRITERIA. STRUCTURAL STUDY COMPLETE, NO ACTION PLANNED
	WEST RIVER, TOWNSHEND DAM TO GRASSY BROOK	USACE DAM OPERATION, IMPOUNDED WATERS	
11-10L01	BALL MOUNTAIN RESERVOIR (Jamaica)	WATER LEVEL FLUCTUATION ALTERS AQUATIC HABITAT	NO MINIMUM FLOW BY USACE BASED ON ANY BIOLOGICAL/WQ CRITERIA. STRUCTURAL STUDY COMPLETE, NO ACTION PLANNED
		UP & DOWNSTREAM FISH PASSAGE AT DAM - ESP. ANADROMOUS ATLANTIC SALMON	DOWNSTREAM PASSAGE PROVIDED THROUGH DAM OPERATIONS; UPSTREAM PASSAGE VIA TRAP AND TRUCK AT TOWNSHEND DAM
11-16	MILL BROOK (1.6 MILES)	ARTIFICIAL & INSUFFICIENT FLOW BELOW BROMLEY SNOWMAKING WATER WITHDRAWAL	PARTIAL SUPPORT 1.6 MI (8 MI TOTAL LENGTH)
	TRIB TO MILL BROOK (2.2 MILES)	ARTIFICIAL & INSUFFICIENT FLOW BELOW BROMLEY SNOWMAKING WATER WITHDRAWAL	NON-SUPPORT 0.7 MI, PARTIAL SUPPORT 1.5 MI (2.5 MI TOTAL LENGTH).
11-18L01	HAPGOOD POND (Peru)	ANNUAL DRAWDOWNS ALTER AQUATIC HABITAT	

12-01	LOWER DEERFIELD RIVER BELOW HARRIMAN RESERVOIR (3.5 MILES)	LOW TEMPERATURE HYPOLIMNETIC WATER RELEASE FROM RESERVOIR	401 CERTIFICATION ISSUED (1/95); FERC LICENSE ISSUED (4/97)
12-05	NORTH BRANCH OF DEERFIELD RIVER (11.5 MILES)	ARTIFICIAL & INSUFFICIENT FLOW BELOW MT SNOW SNOWMAKING WATER WITHDRAWAL	NON-SUPPORT 2.2 MI, PART'L SUPPORT 9.3 MI (13.3 MI TOTAL LENGTH); MT SNOW PLANS NEWWITHDRAWL/RESERVOIR WITH INCREASEDCONSERVATION FLOWS
	TRIB TO NORTH BRANCH (1 MILE) (AKA JACK'S BROOK)	ARTIFICIAL & INSUFFICIENT FLOW BELOW MT SNOW SNOWMAKING WATER WITHDRAWAL	PARTIAL SUPPORT 1 MI (1.5 MI TOTAL LENGTH); MT SNOW EVALUATING ALTERNATIVES
13-01	CT RIVER, WILDER DAM TO ASCUTNEY VILLAGE (20.5 MILES)	ARTIFICIAL FLOW CONDITION, FLUCTUATING FLOWS ASSOCIATED WITH HYDROPOWER PRODUCTION	FERC LICENSE EXPIRES IN 2018
13-02	CT RIVER, ABOVE BELLOWS FALLS DAM (21.5 MILES)	WATER LEVEL FLUCTUATION AT DAM; DEWATERED SHORELINES/WETLANDS	FERC LICENSE EXPIRES IN 2018
	CT RIVER, ABOVE BELLOWS FALLS DAM, SPRINGFIELD	RESERVOIR WATER LEVEL FLUCTUATION AT DAM; DESTABIL/ERODING STREAMBANKS	OBSERVED IMPACTS TO "SKITCHEWAUG" ARCHEOLOGICAL SITE; SITE RIP-RAPPED; FERC LICENSE EXPIRES IN 2018
13-03	CT RIVER, BELOW BELLOWS FALLS DAM (24 MILES)	ARTIFICIAL FLOW CONDITION, FLUCTUATING FLOWS BY HYDROPOWER PRODUCTION	FERC LICENSE EXPIRES IN 2018
13-04	CT RIVER, ABOVE VERNON DAM	WATER LEVEL FLUCTUATION AT DAM; DEWATERED SHORELINE/WETLANDS	FERC LICENSE EXPIRES IN 2018
13-05	CT RIVER, BELOW VERNON DAM (5.5 MILES)	ARTIFICIAL FLOW CONDITION, FLUCTUATING FLOWS BY HYDROPOWER PRODUCTION	FERC LICENSE EXPIRES IN 2018
13-10	ELLIS BROOK, FARR (?) BROOK BELOW MINARDS POND	POSSIBLE LACK OF MINIMUM FLOW BELOW WATER SUPPLY WITHDRAWAL POINT (THREAT)	WSID #5298 - BELLOWS FALLS WATER DEPT
13-12	SACKETTS BROOK	ARTIFICIAL FLOW CONDITION, INSUFFICIENT FLOW BELOW SACKETTS BROOK DAM	PUTNEY PAPER WATER WITHDRAWL



14-04	WAITS RIVER, BELOW BRADFORD DAM (0.3 MILE)	ARTIFICIAL FLOW CONDITION, POOR FLOW REGIME IN DAM'S BYPASS SEGMENT	FERC EXEMPTION
14-07	WELLS RIVER, BELOW DAM AT BOLTONVILLE (0.4 MI)	ARTIFICIAL FLOW CONDITION, POOR FLOW AND PHYSICAL ALTERATIONS IN HYDROELECTRIC DAM BYPASS SEGMENT	FERC EXEMPTION
14-09	STEVENS RIVER (BELOW HARVEY'S LAKE)	DAM MANAGEMENT ALTERS AQUATIC HABITAT	
14-09L05	HARVEYS LAKE (Barnet)	WATER LEVEL MGMT MAY ALTER AQUATIC HABITAT	TOWN IS EXPLORING DAM RECONSTRUCTION
16-07	CONNECTICUT RIVER, ABOVE WILDER DAM TO BRADFORD (APPROX 30 MILES)	RESERVOIR WATER LEVEL FLUCTUATION AT DAM; DESTABILIZING/ERODING STREAMBANKS UPSTREAM	EXPOSURE & EROSION ARCHEOL FEATURES KNOWN AS "LONG HOUSES"; ALSO "STOCKING" SITE
17-03	AVERILL CREEK DOWNSTREAM FROM DAM ON GREAT AVERILL LAKE (5.4 MILES)	ARTIFICIAL FLOW CONDITION BY HYDRO CREATES POOR FLOW REGIME	UNLICENSED FACILITY
	AVERILL CREEK DOWNSTREAM FROM DAM ON LITTLE AVERILL LAKE (1 MILE)	ARTIFICIAL FLOW CONDITION BY HYDRO CREATES POOR FLOW REGIME	UNLICENSED FACILITY
	COATICOOK RIVER BELOW NORTON POND DAM (3 MILES)	ARTIFICIAL FLOW CONDITION BY HYDRO CREATES POOR FLOW REGIME	UNLICENSED FACILITY
17-03L01	LITTLE AVERILL POND (Averill)	WATER LEVEL FLUCTUATION BY HYDRO ALTERS FISHERY, RECREATION & ENDANGERED SPECIES	UNLICENSED FACILITY
17-03L02	GREAT AVERILL POND (Norton)	WATER LEVEL FLUCTUATION BY HYDRO ALTERS AQUATIC HABITAT, RECREATION	UNLICENSED FACILITY
17-03L04	NORTON POND (Norton)	WATER LEVEL FLUCTUATION BY HYDRO ALTERS AQUATIC HABITAT, RECREATION, AESTHETICS	UNLICENSED FACILITY

17-05	UNNAMED BROOKS, TRIBS TO CLYDE RIVER	POSSIBLE LACK OF MINIMUM FLOW BELOW WATER SUPPLY WITHDRAWAL POINT	WSID #5105; BRIGHTON
17-08L03	SHADOW LAKE (Glover)	WATER LEVEL FLUCTUATION (SEASONAL DRAWDOWN) MAY ALTER AQUATIC HABITAT AND AESTHETICS	