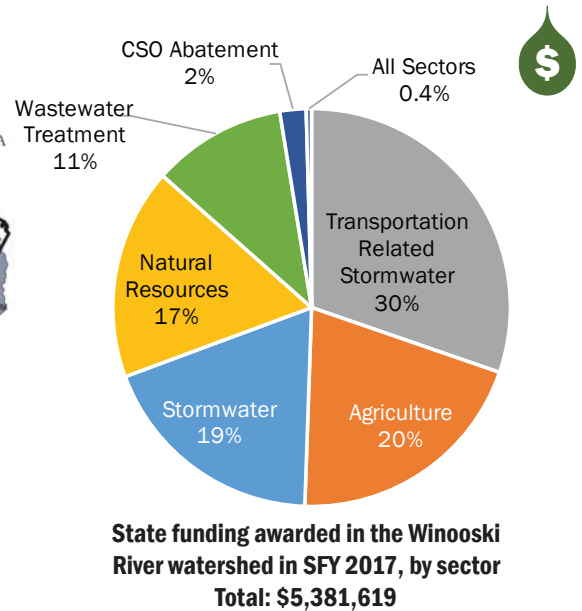
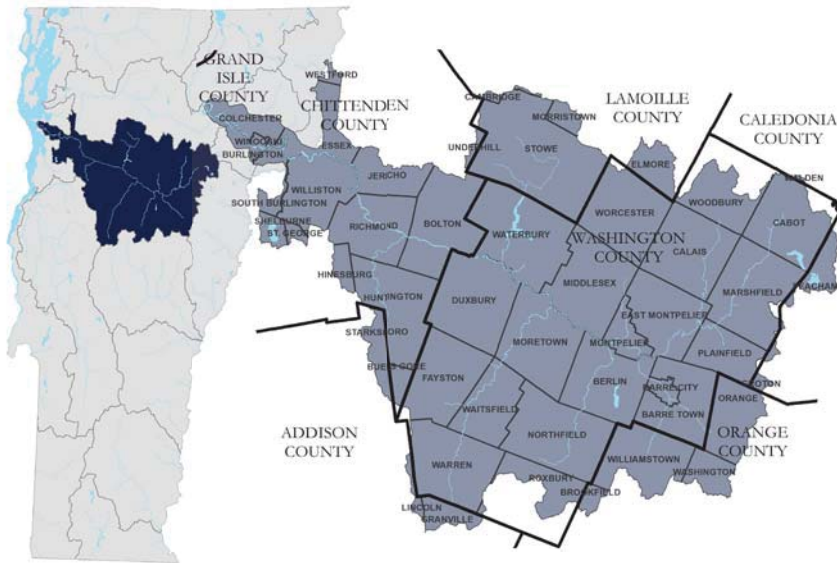


Winooski River Watershed Summary



STATE FUNDS AWARDED IN SFY 2017

RESULTS OF PROJECTS COMPLETED IN SFY 2017

Results of projects completed in SFY 2017, by sector, in the Winooski River watershed.

AGRICULTURE PROJECT RESULTS	
Acres of cropland and pasture treated by annual conservation practices	453
Acres of cropland and pasture treated by crop rotation and associated practices	NA
Acres of cropland and pasture treated by forested buffers	46
Number of barnyard/production area practices installed	5
Acres of water quality protections within conserved agricultural lands	NA

TOTAL PHOSPHORUS REDUCED (kilograms per year)	
Annual agricultural conservation practices	117
Agricultural crop rotation and associated practices	NA
Forested riparian buffer restoration on agricultural lands	18

NATURAL RESOURCES PROJECT RESULTS	
Acres of forested riparian buffer restored through buffer planting	8
Acres of river corridor conserved through easements	51
Acres of floodplain restored	2
Stream miles enhanced and reconnected due to dam removal (also supports aquatic organism passage)	NA
Acres protected for public access, recreation, forest conservation, and water quality	NA
Acres of water quality protections within conserved land (forested buffer area and wetland protection zones)	NA

TOTAL PHOSPHORUS REDUCED (kilograms per year)	
Forested riparian buffer restoration on non-agricultural lands	11

TRANSPORTATION RELATED STORMWATER PROJECT RESULTS	
Miles of municipal road drainage improvements	1
Number of municipal road drainage structures installed	NA
Number of municipal road drainage and stream culverts replaced	6
Stream miles enhanced and reconnected due to replaced stream culverts (also supports aquatic organism passage)	2

TOTAL PHOSPHORUS REDUCED (kilograms per year)	
Road erosion control practices	5

PROJECT RESULTS: STORMWATER	
Acres of impervious surface treated	11

TOTAL PHOSPHORUS REDUCED (kilograms per year)	
Stormwater treatment practices	8

Winooski River Watershed Projects



Clean water projects funded by state agencies in SFY 2017 in the Winooski River watershed.

TOWN	AGENCY	PARTNER	SUMMARY TITLE	SECTOR	FUNDING SOURCE	AMOUNT
Barre City	ANR	Barre City	Gunners Brook Floodplain Restoration – Implementation	NR	CWF	\$100,000
Barre City	ANR	Barre City	City of Barre Vacuum Sweeper Equipment	Roads	CWF	\$260,750
Barre City	ANR	Barre City	City of Barre Vactor Equipment	Roads	CWF	\$340,620
Barre City	ANR	Barre City	Edgewood Brook/Park-Winter Meadow Neighborhood, Barre City Stormwater Treatment – Implementation	SW	CWF	\$36,978
Barre Town	VTrans	Barre Town	TH 36 Nuisl Road – Municipal Roads Erosion Control	Roads	VTF	\$19,172
Berlin	AAFM	Rogers Farmstead LLC	Use Exclusion	Ag	Capital	\$3,000
Berlin	AAFM	Rogers Farmstead LLC	Additional Conservation Practices	Ag	Capital	\$8,387
Berlin	AAFM	Rogers Farmstead LLC	Waste Transfer	Ag	Capital	\$11,250
Bolton	VTrans	Chittenden County Regional Planning Commission	Municipal Road Erosion Inventory	Roads	CWF	\$3,000
Calais	ANR	Vermont Land Trust	Pekin Brook River Corridor Easement (Armstrong Farm) – Implementation	NR	Capital	\$23,800
Calais	VHCB	Vermont Land Trust	Armstrong (Betit) Farm Agricultural and River Corridor Easement	Ag	Capital, Other	\$130,609
Calais	VTrans	Calais	TH 28 Apple Hill Road – Municipal Roads Erosion Control and Culvert Upgrade	Roads	VTF	\$7,228
Calais	VTrans	Calais	TH 33 Jack Hill Road – Municipal Roads Erosion Control and Culvert Upgrade	Roads	VTF	\$7,252
Calais	VTrans	Calais	TH 27 Apple Hill Road – Municipal Roads Culvert Upgrade	Roads	VTF	\$39,695
Colchester	AAFM	Cottonwood Stables, LLC	Forested Riparian Buffer Restoration	Ag	Capital	\$2,496
Colchester	AAFM	Cottonwood Stables, LLC	Forested Riparian Buffer Restoration	Ag	Capital	\$7,887
Colchester	AAFM	Fitzgerald Farm 1	Use Exclusion	Ag	Capital	\$1,800
Colchester	AAFM	Fitzgerald Farm 1	Heavy Use Area Protection	Ag	Capital	\$3,600
Duxbury	ANR	Friends of The Mad River	Lozelle Brook/Harwood Union Middle and High School, Duxbury Stormwater Treatment – Implementation	SW	Capital	\$29,040
Elmore, Worcester	ANR	Vermont River Conservancy	North Branch Cascades Stormwater Mitigation and Pedestrian Trail	NR	Other	\$9,625
Elmore, Worcester	ANR	Vermont River Conservancy	North Branch Winooski River/Route 12, Elmore and Worcester Stormwater Treatment – Final Design	SW	CWF	\$3,000
Essex	ANR	Essex Junction	Indian Brook/Fairview Drive and Main Street, Village of Essex Junction Stormwater Treatment – Implementation	SW	Capital	\$147,854
Essex	VHCB	Vermont Land Trust	Whitcomb II Farmland Agricultural Easement with Riparian Buffers	Ag	Capital, Other	\$639,000
Essex	VTrans	Chittenden County Regional Planning Commission	Municipal Road Erosion Inventory	Roads	CWF	\$8,000

Note: Multi-watershed and statewide projects are listed in separate tables at the end of this appendix.

Winooski River Watershed Projects



Clean water projects funded by state agencies in SFY 2017 in the Winooski River watershed.

TOWN	AGENCY	PARTNER	SUMMARY TITLE	SECTOR	FUNDING SOURCE	AMOUNT
Fayston, Waitsfield, Warren	ANR	Friends of The Mad River	Mad River/Fayston and Warren Elementary Schools Stormwater Treatment – Preliminary Design	SW	CWF	\$18,685
Huntington	AAFM	Taft's Milk and Maple Farm	Cover Crop	Ag	General	\$5,000
Huntington	VTrans	Chittenden County Regional Planning Commission	Municipal Road Erosion Inventory	Roads	CWF	\$8,000
Huntington	VTrans	Huntington	TH 21 Salvas Road – Municipal Roads Erosion Control	Roads	VTTF	\$20,000
Huntington	VTrans	Huntington	TH 11 Texas Hill Circle – Municipal Roads Culvert Upgrade	Roads	VTTF	\$40,000
Montpelier	ANR	Friends of The Winooski River	Winooski River Illicit Discharge Detection and Elimination Water Quality Monitoring	SW	CWF	\$2,610
Montpelier	ANR	Montpelier	Montpelier Riparian Buffer Restoration	NR	Other	\$8,700
Montpelier	ANR	Montpelier	Stevens Branch Winooski River/Route 302 and Berlin Street, Montpelier Stormwater Treatment – Final Design	SW	Capital	\$42,000
Montpelier	ANR	Montpelier	Montpelier Wastewater Collection System and Combined Sewer Overflow Abatement – Preliminary Design	SW, CSO	CWSRF	\$29,616
Montpelier	ANR	Montpelier	Montpelier Wastewater Collection System Refurbishment – Construction	WW	CWSRF	\$36,680
Montpelier	ANR	Montpelier	Montpelier Wastewater Treatment Facility Refurbishment – Preliminary Design	WW	CWSRF	\$51,300
Montpelier	VTrans	Central Vermont Regional Planning Commission	Municipal Culvert and Road Erosion Inventory	Roads	CWF	\$8,000
Moretown	ANR	Central Vermont Regional Planning Commission	Mad River Corridor Plan – Project Identification	NR	CWF	\$27,878
Moretown	VTrans	Moretown	TH 55 Williams Road – Municipal Roads Erosion Control	Roads	CWF	\$16,466
Northfield	ANR	Central Vermont Regional Planning Commission	Dog River/Union and Water Street, Northfield Stormwater Treatment – Implementation	SW	Capital	\$173,785
Northfield	ANR	Friends of The Winooski River	Dog River Floodplain Restoration – Implementation	NR	Capital	\$242,039
Northfield	ANR	Northfield	Northfield Hydroseeder Equipment	Roads	CWF	\$6,628
Orange	VTrans	Orange	TH 39 Manning Road – Municipal Roads Erosion Control	Roads	CWF	\$20,000
Richmond	ANR	Chittenden County Regional Planning Commission	Richmond Stormwater Master Plan – Project Identification	SW	CWF	\$39,086
Richmond	VTrans	Chittenden County Regional Planning Commission	Municipal Road Erosion Inventory	Roads	CWF	\$8,000

Winooski River Watershed Projects



Clean water projects funded by state agencies in SFY 2017 in the Winooski River watershed.

TOWN	AGENCY	PARTNER	SUMMARY TITLE	SECTOR	FUNDING SOURCE	AMOUNT
Roxbury	VTrans	Roxbury	TH 14 Cruickshank Road – Correction of Stream Bank Erosion	Roads	CWF	\$14,066
South Burlington	AAFM	Ethan Allen Farm	Clean Water Diversion	Ag	Capital	\$22,500
South Burlington	AAFM	Ethan Allen Farm	Waste Transfer	Ag	Capital	\$22,500
South Burlington	VTrans	South Burlington	Picard Circle Stormwater Treatment Design and Construction	Roads	FTF	\$229,600
St. George	VTrans	Chittenden County Regional Planning Commission	Municipal Road Erosion Inventory	Roads	CWF	\$2,000
Stowe	AAFM	Percy, Paul	Cover Crop	Ag	General	\$1,356
Stowe	ANR	Stowe	West Branch Little River/Stowe Bike Path Floodplain Restoration – Implementation	NR	Capital	\$276,547
Stowe	VTrans	Stowe	TH 95 River Road – Municipal Roads Erosion Control and Culvert Upgrade	Roads	CWF	\$17,440
Stowe	VTrans	Stowe	TH 95 River Road – Correction of Stream Bank Erosion	Roads	CWF	\$19,640
Waitsfield	AAFM	Neill Farm LLC	Cover Crop	Ag	General	\$2,985
Waitsfield	VTrans	Waitsfield	TH 28 Palmer Hill Road – Municipal Roads Erosion Control	Roads	CWF	\$12,500
Warren	AAFM	DeFreest Farms Partnership	Cover Crop	Ag	General	\$5,000
Warren	ANR	Warren	Mad River/Fuller Hill Road, Warren Stormwater Treatment – Preliminary Design	SW	Capital	\$9,600
Warren	VTrans	Central Vermont Regional Planning Commission	Municipal Road Erosion Inventory	Roads	VTF	\$6,660
Warren	VTrans	Warren	TH 9 Airport Road – Municipal Roads Erosion Control	Roads	CWF	\$20,000
Warren	VTrans	Warren	TH 1 Brook Road – Correction of Slope Erosion	Roads	CWF	\$30,000
Warren	VTrans	Warren	TH 1 Brook Road – Municipal Roads Culvert Upgrade	Roads	CWF	\$40,000
Warren	VTrans	Warren	Municipal Culvert and Road Erosion Inventory	Roads	VTF	\$6,661
Waterbury	ANR	Vermont River Conservancy	Thatcher Brook River Corridor Easement (Roscioli Property) – Implementation	NR	Capital	\$45,800
Waterbury	ANR	Vermont River Conservancy	Thatcher Brook River Corridor Easement Design	NR	CWF	\$5,750
Waterbury	VTrans	Waterbury	TH 31 Hubbard Farm Road – Municipal Roads Erosion Control and Culvert Upgrade	Roads	CWF	\$40,000
Watershed-wide	ANR	Central Vermont Regional Planning Commission	Mad River and Kingsbury Branch Stormwater Master Plan – Project Identification	SW	CWF	\$140,530
Watershed-wide	ANR	Friends of The Mad River	Riparian Education for Landowners along the Mad River	All	Other	\$4,945
Watershed-wide	ANR	Friends of The Winooski River	Riparian Restoration along the Winooski River	NR	Other	\$10,000

Winooski River Watershed Projects



Clean water projects funded by state agencies in SFY 2017 in the Winooski River watershed.

TOWN	AGENCY	PARTNER	SUMMARY TITLE	SECTOR	FUNDING SOURCE	AMOUNT
Watershed-wide	ANR	Winooski Natural Resources Conservation District	Winooski River Riparian Buffer Restoration/Planting – Implementation	NR	Capital	\$18,050
Westford	VHCB	Vermont Land Trust	Westford Town Forest with Wetland/Riparian Protection	NR	Capital, Other	\$150,000
Williston	ANR	Williston	Allen Brook Wayside Interpretive Exhibit	All	Other	\$4,800
Williston	ANR	Williston	Winooski River/Fontaine Lane and North Williston Road, Williston Roadside Erosion Control – Implementation	Roads	Capital	\$18,130
Williston	ANR	Williston	Muddy Brook/Blackberry Ridge and Walker Hill Road, Williston Streambank Erosion Control – Implementation	Roads	Capital	\$19,782
Williston	ANR	Williston	Williston Wastewater Collection System Refurbishment – Construction	WW	CWSRF	\$132,292
Williston	VTrans	Chittenden County Regional Planning Commission	Municipal Road Erosion Inventory	Roads	CWF	\$8,000
Williston	VTrans	Williston	TH 23 East Hill Road – Municipal Roads Erosion Control	Roads	CWF	\$20,000
Williston	VTrans	Williston	Lamplite Acres Stormwater Treatment Design and Construction	Roads	FTF	\$300,000