

VERMONT CLEAN WATER INITIATIVE 2016 INVESTMENT REPORT



Agency of Administration
Agency of Agriculture, Food and Markets
Agency of Commerce and Community Development
Agency of Natural Resources
Agency of Transportation

Vermont Clean Water Initiative Annual Investment Report



Social measures on the level of clean water outreach and technical assistance provided by CWI partner agencies to support implementation of clean water restoration projects;



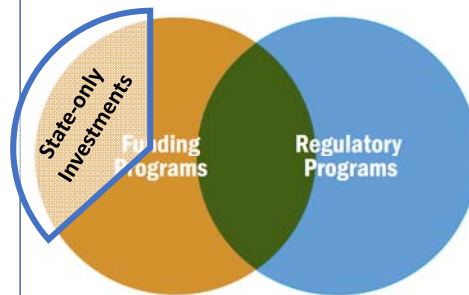
Investment measures on dollars invested in clean water restoration projects, addressing planning, design, and implementation of water quality improvement practices;



Measures of **project outputs**, quantifying the results of clean water restoration projects completed by project type; and



Measures of **environmental outcomes**, quantifying nutrient reductions achieved through State-funded clean water restoration projects.



Ecosystem Restoration Grants Awarded in FY2017 from the Capital Fund, by County

The topic and category key is provided on page 8.

County	Partner	Summary Title	Funding	Topic	Category
Bennington	Bennington County Conservation District	Gully Stabilization to Reduce Erosion into Mill Brook	\$18,600	R	3
	Bennington County Regional Commission	Sandgate Stormwater Master Plan	\$24,000	S	1
	Bennington County Regional Commission	Sunderland Stormwater Master Plan	\$24,000	S	1
Caledonia	Caledonia County Natural Resources Conservation District	Burke Mountain Academy Green Stormwater Infrastructure Project	\$7,276	S	3
	Caledonia County Natural Resources Conservation District	Dishmill Brook Stormwater Master Plan and Project Development	\$40,970	S	1
	Caledonia County Natural Resources Conservation District	St. Johnsbury Oak Street Neighborhood Stormwater Project	\$91,500	S	3
	Connecticut River Watershed Council	East Burke Dam Removal	\$150,000	R	3
Chittenden	City of South Burlington	Commerce Square Shopping Center Stormwater Pond	\$150,000	S	3
	City of South Burlington	Kennedy Drive Stormwater Pond Engineering Design	\$20,000	S	1
	Lake Iroquois Association	Pine Shore Road Stream Restoration and Erosion Control	\$34,000	S	3
	Lewis Creek Association	LaPlatte Watershed "Ahead of the Storm" Stormwater Demonstration Project Designs	\$25,852	S	2

County	Partner	Summary Title	Funding	Topic	Category
Chittenden (continued)	Town of Williston	Blackberry Ridge Streambank and Roadside Erosion Reduction	\$19,782	R	3
	Town of Williston	Fontaine Lane Roadside Erosion Reduction	\$18,130	Rd	3
	Vermont Land Trust	O'Neil River Corridor Easement	\$86,633	R	3
	Village of Essex Junction	Fairview/Main Street Gravel Wetland Stormwater Treatment Retrofit	\$147,854	S	3
Chittenden, Lamoille	Lamoille County Planning Commission	Seymour River Watershed Stream Geomorphic Assessment and River Corridor Plan	\$34,713	R	1
Franklin	Franklin Watershed Committee	Reducing Erosion from Culverts in the Franklin Watershed	\$8,500	Rd	3
	Franklin Watershed Committee	Stormwater Project Scoping on Lake Carmi Private Camp Roads	\$4,000	Rd	1
	Franklin Watershed Committee	Stormwater Treatment Design at the Franklin Town Highway Garage	\$9,800	S	2
	University of Vermont Extension	Enhancing Effectiveness of Cover Crops in Reducing Agricultural Water Pollution	\$99,554	A	3
	Vermont Land Trust	Choiniere River Corridor Easement	\$44,825	R	3
Grand Isle	Friends of Northern Lake Champlain	Design of Green Stormwater Infrastructure Solutions in Alburgh	\$6,500	S	2
Lamoille	Lamoille County Conservation District	Johnson State College Stormwater Improvement Project	\$84,500	S	3
	Town of Wolcott	Wolcott Town Garage and Fire Station Stormwater Management Improvements	\$15,888	S	3
	Vermont River Conservancy	McCrumb River Corridor Easement	\$37,961	R	3
Orleans	NorthWoods Stewardship Center	Echo and Seymour Lake Stormwater Management Practice Designs	\$10,000	S	1

County	Partner	Summary Title	Funding	Topic	Category
Rutland	Rutland Natural Resources Conservation District	Moon Brook Stormwater Reduction (Easterly Avenue Treatment)	\$20,000	S	2
	Town of Brandon	Brandon Stormwater Master Plan	\$30,000	S	1
Washington	Central Vermont Regional Planning Commission	Mad and Kingsbury Branch Stormwater Master Planning	\$140,530	S	2
	Central Vermont Regional Planning Commission	Mad River Corridor Plan	\$27,878	R	1
	Central Vermont Regional Planning Commission	Water Street Stormwater Bioretention System Implementation	\$173,785	S	3
	City of Barre	City of Barre Enhanced Street Sweeper Equipment Purchase	\$340,620	S	3E
	City of Montpelier	Managing Stormwater and Reducing Sediment Loads to the Stevens Branch through Stormwater Infrastructure	\$42,000	S	2
	Friends of the Mad River	Harwood Union Middle/High School Classroom Bioretention	\$29,040	S	3
	Friends of the Mad River	Slow, Spread, & Sink It at Mad River Watershed Elementary Schools	\$18,685	S	2
	Friends of the Winooski River	Dog River Floodplain Restoration Implementation	\$242,039	R	3
	Town of Warren	Fuller Hill Road Erosion Control Assessment and Design Project	\$9,600	Rd	2
	Vermont Land Trust	Armstrong River Corridor Easement	\$23,800	R	3

County	Partner	Summary Title	Funding	Topic	Category
Washington (continued)	Vermont River Conservancy	Roscioli River Corridor Easement	\$45,800	R	3
Windham	Connecticut River Watershed Council	Winhall River Buffer Restoration	\$3,000	R	3
	Vermont River Conservancy	Kissel River Corridor Easement	\$21,000	R	3
	Windham Regional Commission	Green River Floodplain Restoration	\$32,000	R	3
Windsor	Ottauquechee Natural Resources Conservation District	Installation of Springfield Transfer Station Infiltration- Detention Basin	\$47,425	S	3
	Southern Windsor County Regional Planning Commission	West Windsor Dam Removal	\$19,040	R	3
	Town of Springfield	Springfield Enhanced Street Sweeper Equipment Purchase	\$375,000	S	3E
	White River Partnership	Middle White River Corridor Restoration Project	\$35,671	R	3
Statewide	Vermont Agency of Natural Resources	Implementing Shoreland Best Management Practices in Vermont State Parks	\$71,472	L	3

Ecosystem Restoration Grants Awarded in FY2017 from the Clean Water Fund, by County

County	Partner	Summary Title	Funding	Topic	Category
Addison	White River Partnership	Upper White River Corridor Restoration & Easement	\$52,855	R	3
Bennington	Bennington County Conservation District	Mettowee Watershed Forest Roads Assessment	\$11,000	F	1
	Bennington County Conservation District	Town of Bennington Bedding Mulcher Purchase	\$5,107	S	3
Chittenden	Chittenden County Regional Planning Commission	Town of Richmond Stormwater Master Plan and Project Development	\$39,086	S	1
	Chittenden County Regional Planning Commission	Underhill Stormwater Master Plan	\$16,105	S	1
	Town of Shelburne	Brook Lane Stormwater Mitigation Project	\$12,395	S	3
	Town of Shelburne	Shelburne Road Stormwater Gravel Wetland Construction	\$219,200	S	3
	Winooski Natural Resources Conservation District	Lake Iroquois Shoreland Erosion Control Project	\$20,229	L	2
Chittenden, Washington	Winooski Natural Resources Conservation District	Spring 2017 Trees for Streams/River Buffer Restoration	\$18,050	R	3
Essex	Essex County Natural Resources Conservation District	Maidstone Lake Shoreland Best Management Practices Planning and Design	\$21,000	L	1
Franklin	City of St. Albans	St. Albans City Street Sweeper Equipment Purchase	\$128,074	S	3E
	Friends of Northern Lake Champlain	Deer Brook Gully Restoration	\$86,700	S	3

County	Partner	Summary Title	Funding	Topic	Category
Lamoille	Lamoille County Conservation District	Hyde Park and Morrystown Stormwater Master Plan	\$30,000	S	1
	Lamoille County NRCD	Brewster River Project Development Plan	\$21,250	S	2
	Lamoille County NRCD	Lamoille Regional Municipal Hydroseeder Equipment Rental Program	\$115,100	S	3E
	Vermont Land Trust	Barup Farm River Corridor Easement	\$46,494	R	3
Lamoille, Washington	Vermont River Conservancy	North Branch of the Winooski Stormwater Treatment	\$3,000	S	2
Orange	Two Rivers Ottauquechee Regional Commission	Ayers Brook River Corridor Conservation Easement Landowner Outreach	\$11,259	S	1
	Two Rivers-Ottawaquechee Regional Commission	Randolph Stormwater Master Plan and Preliminary Site Feasibility Analysis: Randolph Village and East Randolph	\$19,130	S	1
	Vermont Land Trust	Chapman Farm River Corridor Easement	\$40,327	R	3
	Vermont Land Trust	Wortman River Corridor Easement	\$39,692	R	3
	White River NRCD	Agricultural Best Management Practices Planning	\$10,000	A	1
Orleans	Missisquoi River Basin Association	Jay State Forest Restoration – Logging/Skid Trail Repair	\$37,360	F	3
	Missisquoi River Basin Association	Sleeper Pond Dam Removal Alternatives Analysis	\$32,450	R	1
	NorthWoods Stewardship Center	NorthWoods Conservation Corps – Watershed Crew 2017	\$125,240	S	3
Rutland	Rutland Natural Resources Conservation District	Cold River Watershed Berm Removal and Easement Acquisition	\$75,100	R	3
	Village of Poultney	Poultney York Street Stormwater Treatment Construction	\$420,000	S	3
Washington	City of Barre	City of Barre Vacuum Sweeper Equipment Purchase	\$260,750	S	3E

County	Partner	Summary Title	Funding	Topic	Category
Washington (continued)	City of Barre	Gunners Brook Floodplain Restoration	\$100,000	R	3
	City of Barre	Park-Winter Meadow Neighborhood Stormwater Reduction Projects	\$36,978	S	3
	Town of Northfield	Northfield Hydro Seeder Equipment Purchase	\$6,628	S	3E
	Vermont River Conservancy	Thatcher Brook River Corridor Easement Scoping	\$5,750	R	1
Windham	Connecticut River Watershed Council	Green River Corridor Restoration Design, Permitting, and Corridor Easement	\$8,140	R	2
	Vermont River Conservancy	Green River Corridor Easement Scoping	\$2,000	R	1
	Vermont River Conservancy	Saxtons River: Howe, Willie, and Stiles Brooks River Corridor Easement Scoping	\$2,000	R	1
Windsor	Southern Windsor County Regional Planning Commission	Horseshoe Acres River Corridor & Floodplain Restoration	\$26,520	R	3
	Vermont Forest, Parks and Recreation	Coolidge State Forest Instream Culvert Removal	\$4,060	R	3
	Vermont River Conservancy	Whetstone Brook Floodplain Restoration	\$84,400	R	3
	Vermont River Conservancy	Williams River Corridor Easement Scoping	\$6,300	R	1
	White River Partnership	Middle White River Corridor Restoration & Easement	\$70,391	R	3
Regional	Vermont Youth Conservation Corps	Vermont Youth Conservation Corps (VYCC) Work Crew Planning and Implementation Project	\$189,399	S	3

Topic Key

- A: Agricultural Pollution Control
- F: Forest/Logging Roads Erosion Control
- L: Lake Shoreland Restoration
- R: River Corridor/Floodplain Restoration
- Rd: Road Stormwater Practices
- S: Stormwater Treatment Practices

Category Key

- 1: Assessments, Planning, and Project Development
- 2: Project Design
- 3: Project Implementation
- 3E: Implementation through Capital Equipment Assistance