

# Vermont Clean Water Initiative 2017 Investment Report

## Appendix B. Ecosystem Restoration Grant Program Projects

Appendix B fulfills the reporting requirement of Act 64 (2015)<sup>1</sup>, Section 36, codified at 10 V.S.A. § 1386(e) including: activities and progress of water quality Ecosystem Restoration Programs. Appendix B summarizes projects funded in SFY 2017 through the Agency of Natural Resources, Department of Environmental Conservation Ecosystem Restoration Grant Program. Table 1 lists projects that were awarded capital dollars and Table 2 lists projects that were awarded Clean Water Fund dollars.

Sector is abbreviated in the project tables as follows:

- Ag      Agricultural pollution prevention
- NR      Natural resources
- Roads   Transportation/road-related stormwater
- SW      Stormwater
- WW      Wastewater treatment

**TABLE 1. ECOSYSTEM RESTORATION GRANTS AWARDED CAPITAL DOLLARS IN SFY 2017**

County	Town	Partner	Summary Title	Sector	Amount	Watershed
Caledonia	Burke	Caledonia County Natural Resources Conservation District	Dishmill Brook/Burke Mountain Academy Stormwater Treatment – Implementation	SW	\$7,276	Passumpsic
Caledonia	Burke	Connecticut River Conservancy	Passumpsic River Dam Removal at Burke Hollow Road in East Burke – Implementation	NR	\$150,000	Passumpsic
Caledonia	St. Johnsbury	Caledonia County Natural Resources Conservation District	Passumpsic River/Oak Street, St. Johnsbury Stormwater Treatment – Implementation	SW	\$91,500	Passumpsic
Chittenden	Charlotte	Lewis Creek Association	Beecher Hill Brook/Hinesburg Town Garage Beecher Hill Rd. Stormwater Treatment – Final Design	SW	\$33,189	Northern Lake Champlain

<sup>1</sup> Act 64 or the “Vermont Clean Water Act;” 2015 Vt. Acts & Resolves 975, amended in 2017.

## Vermont Clean Water Initiative 2017 Investment Report

## Appendix B

County	Town	Partner	Summary Title	Sector	Amount	Watershed
Chittenden	Essex	Essex Junction	Indian Brook/Fairview Drive and Main Street, Village of Essex Junction Stormwater Treatment – Implementation	SW	\$147,854	Winooski
Chittenden	Hinesburg	Lake Iroquois Association	Lake Iroquois/Pine Shore Road, Hinesburg Stormwater Treatment – Implementation	SW	\$34,000	Northern Lake Champlain
Chittenden	Hinesburg	Vermont Land Trust	LaPlatte River Corridor Easement (O'Neil Farm) – Implementation	NR	\$86,633	Northern Lake Champlain
Chittenden	South Burlington	South Burlington	Potash Brook/Commerce Square, Williston Road, South Burlington Stormwater Treatment – Implementation	SW	\$150,000	Northern Lake Champlain
Chittenden	Williston	Williston	Winooski River/Fontaine Lane and North Williston Road, Williston Roadside Erosion Control – Implementation	Roads	\$18,130	Winooski
Chittenden	Williston	Williston	Muddy Brook/Blackberry Ridge and Walker Hill Road, Williston Streambank Erosion Control – Implementation	Roads	\$19,782	Winooski
Chittenden, Washington	Watershed-wide	Winooski Natural Resources Conservation District	Winooski River Riparian Buffer Restoration/Planting – Implementation	NR	\$18,050	Winooski
Franklin	Franklin	Franklin Watershed Committee	Pike River/Franklin Town Highway Garage Stormwater Treatment – Preliminary Design	SW	\$9,800	Missisquoi
Franklin	Franklin, Highgate, St. Albans Town	University of Vermont Extension	Equipment to Enhance the Water Quality Benefit of Cover Crops	Ag	\$99,554	Missisquoi, Northern Lake Champlain, Winooski
Franklin	Highgate	Vermont Land Trust	Rock River Corridor Easement (Choiniere Property) – Implementation	NR	\$46,325	Missisquoi
Grand Isle	Alburgh	Friends of Northern Lake Champlain	Northern Lake Champlain/Alburgh School Stormwater Treatment – Preliminary Design	SW	\$6,500	Northern Lake Champlain
Lamoille	Johnson	Lamoille County Planning Commission	Gihon River Tributary/Johnson State College Stormwater Treatment – Implementation	SW	\$84,500	Lamoille

## Vermont Clean Water Initiative 2017 Investment Report

## Appendix B

County	Town	Partner	Summary Title	Sector	Amount	Watershed
Lamoille	Stowe	Stowe	West Branch Little River/Stowe Bike Path Floodplain Restoration – Implementation	NR	\$276,547	Winooski
Lamoille	Wolcott	Vermont River Conservancy	Wild Branch Lamoille River Corridor Easement (McCrumb Property) – Implementation	NR	\$37,961	Lamoille
Lamoille	Wolcott	Wolcott	Lamoille River/Wolcott Town Garage and Fire Station Stormwater Treatment – Implementation	SW	\$15,888	Lamoille
Orleans	Westfield	Missisquoi River Basin Association	Jay State Forest Restoration and Erosion Control – Implementation	NR	\$37,360	Missisquoi
Rutland	Clarendon	Rutland County Natural Resources Conservation District	Cold River Floodplain Restoration and Corridor Easement (Ruane Property) – Implementation	NR	\$75,100	Otter Creek-Litter Otter Creek-Lewis Creek
Rutland	Rutland City	Rutland County Natural Resources Conservation District	Moon Brook/Easterly Avenue, Rutland City Stormwater Treatment – Final Design	SW	\$20,000	Otter Creek-Litter Otter Creek-Lewis Creek
Washington	Calais	Vermont Land Trust	Pekin Brook River Corridor Easement (Armstrong Farm) – Implementation	NR	\$23,800	Winooski
Washington	Duxbury	Friends of The Mad River	Lozelle Brook/Harwood Union Middle and High School, Duxbury Stormwater Treatment – Implementation	SW	\$29,040	Winooski
Washington	Montpelier	Montpelier	Stevens Branch Winooski River/Route 302 and Berlin Street, Montpelier Stormwater Treatment – Final Design	SW	\$42,000	Winooski
Washington	Northfield	Central Vermont Regional Planning Commission	Dog River/Union and Water Street, Northfield Stormwater Treatment – Implementation	SW	\$173,785	Winooski
Washington	Northfield	Friends of The Winooski River	Dog River Floodplain Restoration – Implementation	NR	\$242,039	Winooski
Washington	Warren	Warren	Mad River/Fuller Hill Road, Warren Stormwater Treatment – Preliminary Design	SW	\$9,600	Winooski
Washington	Waterbury	Vermont River Conservancy	Thatcher Brook River Corridor Easement (Roscioli Property) – Implementation	NR	\$45,800	Winooski
Windham	Grafton	Vermont River Conservancy	Saxtons River Corridor Easement (Kissel Property) – Implementation	NR	\$21,000	West-Williams-Saxtons

## Vermont Clean Water Initiative 2017 Investment Report

## Appendix B

County	Town	Partner	Summary Title	Sector	Amount	Watershed
Windham	Guilford	Connecticut River Conservancy	Green River Corridor Easement/Floodplain Restoration – Final Design	NR	\$8,140	Deerfield-Connecticut Direct
Windham	Guilford	Windham Regional Commission	Green River Corridor Easement, Floodplain Berm Removal, and Buffer Restoration – Implementation	NR	\$32,000	Deerfield-Connecticut Direct
Windham	Jamaica	Connecticut River Conservancy	Winhall River Riparian Buffer Restoration/Planting – Implementation	NR	\$3,000	West-Williams-Saxtons
Windsor	Andover	Southern Windsor County Regional Planning Commission	Trout Brook/Andover Branch River Corridor and Floodplain Restoration – Implementation	NR	\$26,520	West-Williams-Saxtons
Windsor	Springfield	Ottauquechee Natural Resources Conservation District	Black River/Springfield Transfer Station Stormwater Treatment – Final Design	SW	\$30,230	Ottauquechee-Black
Windsor	Stockbridge	White River Partnership	Middle White River Corridor Easement (Hull Property) – Implementation	NR	\$35,671	White
Statewide	Statewide	Vermont Department of Forests, Parks and Recreation	Vermont State Parks Lake Shoreland Erosion Control – Implementation	NR	\$71,472	Statewide

**TABLE 2. ECOSYSTEM RESTORATION GRANTS AWARDED CLEAN WATER FUND DOLLARS IN SFY 2017**

County	Town	Partner	Summary Title	Sector	Amount	Watershed
Addison	Hancock	White River Partnership	Upper White River Corridor Easement and Buffer Restoration/Planting (Millard Property) – Implementation	NR	\$56,704	White
Bennington	Bennington	Bennington County Conservation District	Bennington Bedding Mulcher Equipment	SW	\$5,107	Batten Kill-Walloomsac-Hoosic
Bennington	Dorset, Rupert	Bennington County Conservation District	Mettowee Watershed Forest Roads Erosion Assessment – Project Identification	NR	\$11,000	South Lake Champlain
Bennington	Rupert	Bennington County Conservation District	Mill Brook Gully Stabilization – Implementation	NR	\$18,600	Batten Kill-Walloomsac-Hoosic
Bennington	Sandgate	Bennington County Regional Commission	Sandgate Stormwater Master Plan – Project Identification	SW	\$24,000	Batten Kill-Walloomsac-Hoosic
Bennington	Sunderland	Bennington County Regional Commission	Sunderland Stormwater Master Plan – Project Identification	SW	\$24,000	Batten Kill-Walloomsac-Hoosic, Deerfield-Connecticut Direct, West-Williams-Saxtons,
Caledonia	Burke	Caledonia County Natural Resources Conservation District	Dishmill Brook/Burke Stormwater Treatment – Implementation	SW	\$40,970	Passumpsic
Caledonia, Essex, Lamoille	Multiple Towns	Lamoille County Conservation District	Regional Hydroseeder Equipment-Share Program	Roads	\$115,100	Lake Memphremagog, Lamoille, Passumpsic, Stevens-Wells-Waits-Ompompanoosuc, Upper Connecticut River
Chittenden	Hinesburg	Winooski Natural Resources Conservation District	Lake Iroquois Shoreland Erosion Control – Final Design	NR	\$20,299	Northern Lake Champlain
Chittenden	Richmond	Chittenden County Regional Planning Commission	Richmond Stormwater Master Plan – Project Identification	SW	\$39,086	Winooski
Chittenden	Shelburne	Shelburne	Munroe Brook/Brook Lane, Shelburne Stormwater Treatment – Implementation	SW	\$12,395	Northern Lake Champlain
Chittenden	Shelburne, South Burlington	Shelburne	Shelburne Bay/Nesti Lane, Shelburne and South Burlington Stormwater Treatment – Implementation	SW	\$219,200	Northern Lake Champlain

## Vermont Clean Water Initiative 2017 Investment Report

## Appendix B

County	Town	Partner	Summary Title	Sector	Amount	Watershed
Chittenden	South Burlington	South Burlington	Potash Brook/Kennedy Drive, South Burlington Stormwater Pond Expansion/Retrofit – Preliminary Design	SW	\$20,000	Northern Lake Champlain
Chittenden	Underhill	Chittenden County Regional Planning Commission	Underhill Stormwater Master Plan – Project Identification	SW	\$16,105	Lamoille
Chittenden, Lamoille	Cambridge, Underhill	Lamoille County Planning Commission	Seymour River Stream Geomorphic Assessment/River Corridor Plan – Project Identification	NR	\$34,713	Lamoille
Essex	Maidstone	Essex County Natural Resources Conservation District	Maidstone Lake Shoreland Erosion Assessment – Project Identification	NR	\$21,000	Upper Connecticut
Franklin	Franklin	Franklin Watershed Committee	Lake Carmi Private Camp Roads and Culverts Erosion Assessment – Project Identification	Roads	\$4,000	Missisquoi
Franklin	Franklin	Franklin Watershed Committee	Lake Carmi/Franklin Roadside Erosion Control – Implementation	Roads	\$8,500	Missisquoi
Franklin	Georgia	Friends of Northern Lake Champlain	Deer Brook/Route 7 and Route 104A, Georgia Gully Remediation – Preliminary Design	SW	\$86,700	Lamoille
Franklin	St. Albans City	St. Albans City	St. Albans City Street Sweeper Equipment	Roads	\$128,074	Northern Lake Champlain
Lamoille	Cambridge	Lamoille County Conservation District	Town of Cambridge/Brewster River Floodplain Restoration – Preliminary Design	NR	\$21,250	Lamoille
Lamoille	Cambridge	Vermont Land Trust	North Branch Lamoille River Corridor Easement (Barup Farm) – Implementation	NR	\$46,494	Lamoille
Lamoille	Hyde Park, Morristown	Lamoille County Conservation District	Hyde Park and Morristown Stormwater Master Plan – Project Identification	SW	\$30,000	Lamoille
Lamoille, Washington	Elmore, Worcester	Vermont River Conservancy	North Branch Winooski River/Route 12, Elmore and Worcester Stormwater Treatment – Final Design	SW	\$3,000	Winooski
Orange	Braintree, Brookfield, Randolph	Two Rivers-Ottawaquechee Regional Commission	Ayers Brook River Corridor Design and Landowner Outreach	NR	\$11,259	White

## Vermont Clean Water Initiative 2017 Investment Report

## Appendix B

County	Town	Partner	Summary Title	Sector	Amount	Watershed
Orange	Randolph	Two Rivers-Ottawaquechee Regional Commission	Randolph Stormwater Master Plan – Project Identification	SW	\$19,130	White
Orange	Randolph	Vermont Land Trust	Second Branch White River Corridor Easement (Wortman Farm) – Implementation	NR	\$38,463	White
Orange	Tunbridge	Vermont Land Trust	Chapman Farm River Corridor Easement – Implementation	NR	\$39,186	White
Orange	Watershed-wide	White River Natural Resources Conservation District	Agricultural Pollution Prevention Project Planning and Design in the Stevens-Wells-Waits-Ompompanoosuc Basin	Ag	\$10,000	Stevens-Wells-Waits-Ompompanoosuc
Orleans	Charleston	Northwoods Stewardship Center	Clean Water Projects Planning and Implementation Work Crew (Northwoods Stewardship Center)	SW	\$125,240	Passumpsic
Orleans	Charleston, Morgan	Northwoods Stewardship Center	Echo and Seymour Lake Shoreland Erosion Assessment – Project Identification	Roads	\$14,960	Lake Memphremagog
Orleans	Newport City	Missisquoi River Basin Association	Sleeper Pond/Mud Creek Dam Removal Alternatives Analysis in Newport Center – Preliminary Design	NR	\$32,450	Missisquoi
Rutland	Brandon	Brandon	Brandon Stormwater Master Plan – Project Identification	SW	\$30,000	Otter Creek-Litter Otter Creek-Lewis Creek
Rutland	Poultney	Poultney Village	Poultney River/York Street, Poultney Stormwater Treatment – Implementation	SW	\$420,000	South Lake Champlain
Rutland, Windsor	Watershed-wide	Stone Environmental	Ottawaquechee-Black Rivers Illicit/Unauthorized Discharge Detection and Elimination	SW	\$69,940	Ottawaquechee-Black
Washington	Barre City	Barre City	Gunners Brook Floodplain Restoration – Implementation	NR	\$100,000	Winooski
Washington	Barre City	Barre City	City of Barre Vacuum Sweeper Equipment	Roads	\$260,750	Winooski
Washington	Barre City	Barre City	City of Barre Vactor Equipment	Roads	\$340,620	Winooski
Washington	Barre City	Barre City	Edgewood Brook/Park-Winter Meadow Neighborhood, Barre City Stormwater Treatment – Implementation	SW	\$36,978	Winooski

## Vermont Clean Water Initiative 2017 Investment Report

## Appendix B

County	Town	Partner	Summary Title	Sector	Amount	Watershed
Washington	Fayston, Waitsfield, Warren	Friends of The Mad River	Mad River/Fayston and Warren Elementary Schools Stormwater Treatment – Preliminary Design	SW	\$18,685	Winooski
Washington	Moretown	Central Vermont Regional Planning Commission	Mad River Corridor Plan – Project Identification	NR	\$27,878	Winooski
Washington	Northfield	Northfield	Northfield Hydroseeder Equipment	Roads	\$6,628	Winooski
Washington	Waterbury	Vermont River Conservancy	Thatcher Brook River Corridor Easement Design	NR	\$5,750	Winooski
Washington	Watershed-wide	Central Vermont Regional Planning Commission	Mad River and Kingsbury Branch Stormwater Master Plan – Project Identification	SW	\$140,530	Winooski
Windham	Brattleboro	Vermont River Conservancy	Whetstone Brook Floodplain Restoration and River Corridor Easement – Implementation	NR	\$84,400	Deerfield-Connecticut Direct
Windham	Grafton	Vermont River Conservancy	Saxtons River Tributary Corridor Easement Design (Howe, Willie, and Stiles Brooks)	NR	\$2,000	West-Williams-Saxtons
Windham	Guilford	Vermont River Conservancy	Green River Corridor Easement Design	NR	\$2,000	Deerfield-Connecticut Direct
Windsor	Chester	Vermont River Conservancy	Williams River Corridor Easement Design	NR	\$6,300	West-Williams-Saxtons
Windsor	Springfield	Springfield	Springfield Vactor Truck Equipment	Roads	\$375,000	Ottauquechee-Black
Windsor	Stockbridge	White River Partnership	Middle White River Corridor Easement (Freund/Finn Property) – Implementation	NR	\$70,391	White
Windsor	West Windsor	Southern Windsor County Regional Planning Commission	Mill Brook Dam Removal at West Windsor Firehouse – Implementation	NR	\$19,040	Ottauquechee-Black
Windsor	Woodstock	Vermont Department of Forests, Parks and Recreation	Curtis Hollow Brook/Coolidge State Forest Road Stream Culvert Removal – Implementation	Roads	\$4,060	Ottauquechee-Black
Lake Champlain Basin	Lake Champlain Basin	Vermont Rural Water Association	Municipal Wastewater Treatment Facility Technical Assistance to Optimize for Nutrient Treatment	WW	\$103,000	Lake Champlain Basin Regional
Statewide	Statewide	Stone Environmental	Development of Methodologies for Identifying Subsurface Tile Drains on Agricultural Lands	Ag	\$9,926	Statewide

## Vermont Clean Water Initiative 2017 Investment Report

## Appendix B

County	Town	Partner	Summary Title	Sector	Amount	Watershed
Statewide	Statewide	Vermont Department of Forests, Parks and Recreation	Acceptable Management Practices for Water Quality on Logging Jobs Manual Design and Editing	NR	\$20,000	Statewide
Statewide	Statewide	Vermont Youth Conservation Corps	Clean Water Projects Planning and Implementation Work Crew (Vermont Youth Conservation Corps)	Roads	\$189,399	Statewide
Statewide	Statewide	Watershed Consulting Associates, LLC	Statewide Illicit/Unauthorized Discharge Detection and Elimination	SW	\$69,835	Statewide