

Project	Priority Area	Lake Segment	Responsibility	Location	Project Type	Description	Preliminary Recommendations	BMP Type	Total Acreage	% Imp	P Load (lb/yr)	BMP Volume (cf)	BMP - P Reduction (lb/yr)	Erosion P Reduction (lb/yr)	Total P Removed (lb/yr)	Sed Reduction Score	%WQv/CPv Treated	% Recharge	Gully Mitigation	GSI?	Landowner	Project/Permitting Complexity	Infrastructure Conflicts	Water Quality Impact			Project Feasibility					Co-Benefits		Total Score	Possible	Final Score %
																								Total Cost	Project Efficiency \$/lb	Ease of O&M	Co-Benefits Sum	Total	Possible	Final Score %						
AB-1	Allen Brook	Malletts Bay Direct	Town	Petty Brook Rd	Road Drainage Improvement	Short section of roadside ditch is steep and has some erosion, the ditch ends with a steep drop to Allen Brook with some gully erosion	Stone line steep portion of the ditch and continue stone to Allen Brook	Road Ditch	2.19	7	0.49		0.00	0.16	0.16	2	N/A	N/A	1	0	3	2	1	\$ 1,000	\$ 6,300	2	3	25	45	56%						
AB-2*	Allen Brook	Malletts Bay Direct	Town	Allen Drive	BMP Installation	Two catch basin lines drain directly to Allen Brook. The eastern drainage is very steep and flows to a rock ditch with some gully erosion going to the Brook.	A vegetated bench on the north side of the road is big enough for an infiltration feature.	Surface Infiltration	1.10	67	1.43	1,500	1.23	0.08	1.31	1	2	3	1	1	2	1	1	\$ 17,400	\$ 13,200	1	3	27	50	54%						
AB-3*	Allen Brook	Malletts Bay Direct	Town	Allen Drive	BMP Installation	A storm line drains a large portion of roadway and some driveway, discharges to a stone lined outlet and surface flows to a large forested area within the Allen Brook watershed.	Retrofit the existing catchbasin to direct WQv to an underground treatment system in grassed area east of road	Subsurface Infiltration	1.18	76	1.65	2,400	1.28		1.28	1	2	1	0	1	2	1	0	\$ 33,800	\$ 26,400	1	2	20	50	40%						
AB-4	Allen Brook	Malletts Bay Direct	Private	Goynau Rd - Surface Creations	BMP Installation	SW mapping shows roof drains piped under parking area to possible catch basin. Parking lot all drains east to a flat grassed area that is likely sandy.	Install infiltration feature for parking lot, may be possible to connect roof drains for underground infiltration practice.	Subsurface Infiltration	0.72	50	0.66	600	0.57		0.57	1	2	3	0	1	0	2	1	\$ 5,000	\$ 8,700	2	2	24	50	48%						
AB-5	Allen Brook	Malletts Bay Direct	Private	Goynau Rd Commercial Area	BMP Installation	Large paved areas and dirt parking around perimeter of pavement primarily sheet flow into wetland. One visible DI that likely drains to wetland.	Some area in northwest corner could be used for treatment. Other BMPs like grass conveyance swales could be employed.	Grass Conveyance Swale	9.92	61	11.07	1,000	0.11		0.11	2	0	1	0	1	0	2	0	\$ 8,000	\$ 72,600	2	1	13	50	26%						
BB-1*	Beaverbrook	Malletts Bay Direct	Town	Emile Dr	BMP Installation	All of road and driveways drain to nice grass ditches that flow to a single grassed swale into the pond.	Enlarge the grassed swale and install check dams and overflow berm to increase storage volume.	Surface Infiltration	3.59	34	2.29	4,000	2.18		2.18	1	3	3	0	1	1	2	1	\$ 8,300	\$ 3,800	1	2	29	50	58%						
BB-2*	Beaverbrook	Malletts Bay Direct	Town	Woodcrest Road	BMP Installation	The upper portion of Woodcrest circle is flat and appears to have issues with water drainage. The 2 existing dry wells have some pre-treatment via grassed swales. All runoff eventually infiltrates with the existing system.	Install additional dry wells (with pre-treatment) in the northwest corner and west of the intersection with Griswold. Inspect and clean existing dry wells. 4 new and 2 improved drywells	Subsurface Infiltration	5.15	29	2.78	3,200	1.19		1.19	1	3	3	0	1	3	2	0	\$ 35,000	\$ 29,400	2	2	25	50	50%						
BB-3*	Beaverbrook	Malletts Bay Direct	Town	Hemlock Road	BMP Installation	Drainline from Griswold DW's continues south through several catchbasins to a large DW along Hemlock. Overflow to a CB with a pipe to ditch south. Pipe may be clogged or crushed. Three DW's at Woodcrest/Hemlock intersection are all tied together with a small overflow to the west CB.	Drain and clean all DWs, install deep sump catch basins as pre-treatment if possible, check pipe drainage south to ditch, clean if necessary. Replace overflow pipe from east to west and connect to north DW instead of CB in front yard. Replace the 4-way catchbasin with a large dry well. 1 new and 3 improved dry wells	Subsurface Infiltration	8.01	20	3.11	3,200	2.45		2.45	1	3	3	0	1	3	2	0	\$ 43,400	\$ 17,700	2	3	29	50	58%						
BB-4*	Beaverbrook	Malletts Bay Direct	Town	Hemlock Road at McMullen Rd	BMP Installation	Two drywells at intersection have repeat issues with freezing and flooding	Install grassed swales along Hemlock, clean or replace dry wells	Subsurface Infiltration	1.38	15	0.40	800	0.35		0.35	1	3	3	0	1	3	2	1	\$ 10,000	\$ 28,300	2	3	25	50	50%						
BB-5*	Beaverbrook	Malletts Bay Direct	Town	Kingswood Drive	BMP Installation	High water table caused significant damage to the paved road winter 2018/2019. Existing road drainage is poor in the northern section, stormwater is collected in two catchbasins and piped north to the stream.	Improve road drainage and install shallow sand filters along road shoulder.	Sand Filter	0.97	79	1.41	2,000	0.65		0.65	1	2	1	0	1	3	2	0	\$ 50,000	\$ 76,900	2	4	21	50	42%						
H-1*	Husky	Lamoille River	Private	Employee Parking Areas	BMP Retrofit	Three parking areas have vegetated swales collecting runoff from parking and adjacent roadways, flow through systems with minimal retention.	Retrofit outlet structure to increase retention.	Rain Garden (no underdrain)	3.14	49	4.67	5,500	4.30		4.30	2	2	3	0	1	2	2	0	\$ 40,700	\$ 9,500	1	4	30	50	60%						
H-2	Husky	Lamoille River	Private	Parking lot for Shipping/Receiving	Gully Stabilization	Area of concentrated runoff from large parking area is causing a small gully to the stone lined swale	Lower the grassed shoulder to promote sheetflow and add rock to stabilize any concentrated flow paths	Other	0.23	85	0.59		0.00	0.08	0.08	1	0	0	1	0	2	2	1	\$ 1,300	\$ 16,300	1	0	16	50	32%						
H-3	Husky	Lamoille River	Private	Parking lot for Shipping/Receiving	BMP Installation	Low point on edge of parking lot has ponding water and is collecting sediment	Adjacent grassed area has room to make a small infiltration feature	Surface Infiltration	0.12	51	0.18	100	0.13		0.13	1	1	1	0	1	2	2	0	\$ 1,200	\$ 9,100	1	0	19	50	38%						
H-4*	Husky	Lamoille River	Private	Parking lot for Shipping/Receiving	BMP Retrofit	Very large stone lined swale has no outlet control and discharges to small stream along RR tracks	Add a series of weirs or check dams to increase retention. Could potentially be converted to a wetland system, but high volume low nutrient drainage.	Wet Pond	3.66	39	4.72	8,000	2.89		2.89	2	3	0	0	1	2	1	1	\$ 18,000	\$ 6,200	1	3	28	50	56%						
MSD-1*	Town Property	Lamoille River	School District	Milton Elementary	BMP Installation	Runoff from portion of parking lot flows to a space with poor grass cover and then into a connected drainage network.	Install surface infiltration area with plantings. May require a retrofit to existing catch basin.	Surface Infiltration	0.48	89	1.10	1,400	1.08		1.08	2	3	3	0	1	3	2	0	\$ 11,600	\$ 10,700	1	5	30	50	60%						
MSD-2*	Town Property	Lamoille River	School District	Milton Elementary	BMP Installation	Large drainage network consolidates at a single catch basin, piped directly to stream.	Retrofit outlet structure to send portion of runoff to a new underground treatment system under existing green space.	Subsurface Infiltration	14.54	52	22.58	8,000	14.46		14.46	1	2	3	0	1	3	2	0	\$ 120,800	\$ 8,400	2	3	33	50	66%						
MSD-3*	Town Property	Lamoille River	School District	Milton Elementary	BMP Installation	Two grassed areas adjacent to paved roadways could be improved.	Install bioswale or other feature to enhance infiltration	Rain Garden (no underdrain)	0.33	100	0.84	500	0.73		0.73	1	1	2	0	1	3	2	1	\$ 15,400	\$ 21,200	1	2	21	50	42%						
MSD-4*	Town Property	Lamoille River	School District	Milton Elementary	BMP Installation	Two high-visibility areas for rain garden installations and retrofits of existing catch basins.	Retrofit existing catchbasin to raise inlet and install rain gardens.	Rain Garden (no underdrain)	0.55	69	1.04	300	0.71		0.71	1	1	1	0	1	3	2	2	\$ 11,200	\$ 15,900	1	3	23	50	46%						
MSD-5	Town Property	Lamoille River	School District	Milton High School	BMP Installation	Parking lot has one low point that ponds water on pavement	Install dry basin similar to 6 others in the parking lot	Subsurface Infiltration	0.18	98	0.42	400	0.40		0.40	1	3	3	0	1	3	2	1	\$ 4,800	\$ 12,100	2	0	25	50	50%						
O-1*	Other	Lamoille River	Town	North Rd at Quarry Lane	BMP Retrofit	Long ditch along North Road collects runoff from road, hayfield, and cattle barn. Some erosion throughout and severe erosion at farm road culvert header and in ditch at culvert under North. Downstream channel lacks buffer and is eroding.	Consider paving or improving farm road crossings, install culvert header, check dams in ditch, improve vegetation cover, stabilize and buffer downstream channel.	Grass Conveyance Swale	127.18	2	69.11	8,000	3.62	0.8	4.42	4	1	1	2	1	3	2	0	\$ 16,900	\$ 3,800	1	4	36	50	72%						
O-10	Other	Malletts Bay Direct	Private	Jenna Lane	BMP Installation	Portions of paved and gravel church parking, business, and self storage drain to a grassed swale that appears to fully infiltrate.	Swale could be enhanced to increase capacity	Grass Conveyance Swale	1.45	63	1.68	150	0.02		0.02	1	3	3	0	0	0	2	1	\$ 1,100	\$ 49,900	2	0	17	50	34%						
O-2	Other	Malletts Bay Direct	Town	Hunting Ridge Lane at North Rd	BMP Installation	Steep sections of hunting ridge drain to inline dry wells but bypass flow is likely in large events, lowest section of north ditch makes sharp turn north to a small grassed infiltration area before emptying to stream. Flow likely spills out of ditch onto North in large events.	Improve upslope DW inlet configurations, enlarge swale at turn and continue north to stream	Grass Conveyance Swale	0.98	28	0.51	450	0.04		0.04	1	1	1	0	0	3	1	0	\$ 3,600	\$ 81,600	2	1	12	45	27%						
O-3*	Other	Lamoille River	Town/Private	Howard Dr at Crest Dr	Road Drainage Improvement	Steep private road drains to roadside grassed swale to culvert into River. Crest Dr has poorly formed unstable ditches with high sediment load. Grassed swale along Howard is poorly defined causing some erosion along edge of pavement.	Improve grassed swale along Howard and reconfigure sharp ditch turn from Crest to Howard. Stabilize Crest ditch if possible. Install sediment trap at bottom of Crest Dr.	Grass Conveyance Swale	2.89	15	2.76	400	0.11	0.4	0.51	3	1	1	1	0	3	2	1	\$ 3,200	\$ 6,300	1	2	26	50	52%						

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O-4	Other	Lamoille River	Town	Howard Dr	Road Drainage Improvement	Elevated shoulder causing small gully directly to River	Lower shoulder to improve sheetflow, stabilize flowpaths for concentrated runoff	Road Other	0.60	28	0.61		0.00	0.04	0.04	1	N/A	N/A	1	0	3	1	1	\$ 1,200	\$ 30,000	1	1	15	45	33%					
O-5	Route 7	Lamoille River	Private	Cherry St at Rt 7	Stream/Wetland Restoration	Short section of stream is incised, eroding, and lacking vegetation.	Excavate channel to install benches and establish woody vegetation	Other			0.60		0.00	0.6	0.60	2	0	0	2	0	0	2	1	\$ 6,300	\$ 10,500	2	0	18	50	36%					
O-6*	Route 7	Lamoille River	Private	River Street Park	BMP Installation	Parking area for GMP owned park and a portion of Route 7 drain to a small grassed area and into stream on river floodplain	Room for a small rain garden or infiltration feature in grassed area along edge of parking lot.	Rain Garden (no underdrain)	0.23	94	0.55	750	0.51		0.51	1	2	2	0	1	2	1	1	\$ 15,400	\$ 30,400	1	4	22	50	44%					
O-7	Other	Lamoille River	Town	Lamoille Terrace at Kendra Lane	Road Drainage Improvement	Long section of steep paved road has elevated shoulders, east ditch is nice and stable, west embankment is mostly stable, minor erosion. Outlet to catch basin and direct flow to stream.	Lower east shoulder to allow sheet flow to ditch, install stable turnouts along western shoulder. Stabilize direct flow to stream at Kendra intersection.	Road Other	0.31	88	0.73		0.00	0.02	0.02	1	N/A	N/A	1	0	3	2	1	\$ 3,000	\$ 150,000	2	1	13	45	29%					
O-8	Other	Lamoille River	Town	Lamoille Terrace	Gully Stabilization	Steep section of roadway to west ditch outlets through perched culvert to a channel with some erosion to wetland. Last culvert isn't really necessary.	Stabilize culvert outlet or look at possibility of removing culvert and enhancing flow path between driveway culvert and outlet channel to wetland.	Road Other	1.55	29	1.98		0.00	0.3	0.30	2	N/A	N/A	1	0	3	2	1	\$ 6,300	\$ 21,000	2	3	21	45	47%					
O-9	Other	Malletts Bay Direct	Town	Kingsbury Crossing	Road Drainage Improvement	Grader berm/high shoulder is limiting flow into north ditch, no ditch for portion due to double driveway with moderate gully erosion at the top of the very steep slope	Improve drainage into ditch and increase crown at top of hill, stone line ditch to existing turnout north.	Road Other	0.56	16	0.38		0.00	0.2	0.20	1	N/A	N/A	1	0	3	2	0	\$ 1,200	\$ 6,000	2	2	22	45	49%					
RR-1	Railroad	Lamoille River	Private	St Ann's Church	BMP Installation	Approximately 30% of parking lot drains to southwest corner with some room for infiltration practice in grassed area	Assess infiltration opportunities along edge of parking area	Surface Infiltration	0.36	57	0.62	150	0.35		0.35	1	1	1	0	1	0	2	0	\$ 1,800	\$ 5,100	1	1	20	50	40%					
RR-2*	Railroad	Lamoille River	Private	St Ann's Church	BMP Installation	Parking lot mostly drains to culvert and to southeast corner with a large gully	Stabilize gully and may have room for small infiltration practices	Surface Infiltration	1.48	60	3.34	150	0.49	0.8	1.29	3	0	0	2	1	0	1	1	\$ 29,000	\$ 22,600	1	2	20	50	40%					
RR-3	Railroad	Lamoille River	Town	Sawmill Road	Stream/Wetland Restoration	Small drainage originating from Railroad St (RR-4) flows through eroded channel with no buffer	Buffer plantings and possible channel stabilization	Other	0.60	23	0.89		0.00	0.32	0.32	1	0	0	1	0	0	0	\$ 3,800	\$ 11,900	1	1	13	50	26%						
RR-4	Railroad	Lamoille River	Town	Railroad at abandoned Creamery building	Road Drainage Improvement	Paved ditch along western side of road and slightly elevated grassed shoulder along east side of road increase runoff to two catch basins, piped northwest to small trib with other projects	Paved ditch north of catch basin could be grassed, lower east shoulder and make a small grassed ditch.	Grass Conveyance Swale	2.74	15	2.21	600	0.13		0.13	1	N/A	N/A	0	1	3	2	0	\$ 4,600	\$ 34,800	1	1	15	45	33%					
RR-5*	Railroad	Lamoille River	Railroad/ Town	Swale between Railroad St and RR north of Cherry St	BMP Retrofit	Long vegetated swale between road and railroad has a small intermittent stream. Most is well vegetated and stable, northern section is incised with some erosion. Outlet west of railroad looks good	Northern section could be enhanced with check dams to increase depth and retention time.	Wet Pond	10.75	18	9.37	8,500	4.21		4.21	2	2	0	0	0	0	1	0	\$ 38,300	\$ 9,100	1	4	24	50	48%					
RR-6	Railroad	Lamoille River	Private	Aurora Ln (Private)	BMP Installation	Private street - entire neighborhood has poor roadside drainage and lacks ditches and culverts. Ponded water and erosion issues throughout	Install grassed swales and driveway culverts, may need to increase parking areas.	Grass Conveyance Swale	2.33	42	3.33	600	0.11	0.2	0.31	2	1	1	1	0	0	2	0	\$ 13,200	\$ 42,500	1	2	16	50	32%					
RR-7	Railroad	Lamoille River	Town	Turner Ave	Stream/Wetland Restoration	The wetland between Turner Ave and the railroad drains through a culvert under Turner and flows through the backyard of several houses joining a large forested wetland east of the elementary school. The ditch along the west side of Turner Ave also drains to this flow path.	Based on LiDAR the culvert isn't necessary and the wetland would continue flowing south along Turner and join the forested wetland. If the culvert is removed or retrofitted then the road runoff would receive more treatment along the grassed swale and the houses would have less water issues in their backyards.	Grass Conveyance Swale	2.90	20	2.60	1,000	0.22		0.22	1	1	2	0	0	0	1	\$ 8,400	\$ 38,100	1	1	13	50	26%						
RR-8*	Railroad	Lamoille River	Town	Bradley Ave	BMP Retrofit	Long grassed swale along Bradley Ave and the Elementary playing fields has a low point behind home plate, no outlet, all stormwater likely infiltrates	Small rain garden in low point behind home plate could increase nutrient removal	Rain Garden (no underdrain)	5.10	4	2.91	150	1.12		1.12	1	1	1	0	1	3	2	1	\$ 2,900	\$ 2,600	1	1	26	50	52%					
RT7-1*	Route 7	Lamoille River	VTrans	Route 7 Main St to Ritchie	BMP Installation	Catch basins and drain lines along the east side of the road collect water and discharge to two perennial streams which flow directly to the Lamoille River.	Install tree box filters or similar features within wide road shoulder. Tie in to existing stormlines for overflow. Subsurface storage could extend under sidewalk.	Rain Garden (no underdrain)	7.70	37	9.66	2,000	5.98		5.98	2	1	1	0	1	3	2	0	\$ 106,900	\$ 17,900	1	4	26	50	52%					
RT7-10	Route 7	Malletts Bay Direct	Private	Kinney Drug	BMP Retrofit	Steep drop from corner of parking lot to DW, some erosion and poor grass cover	Improve grading to increase flow through grassed swale, stabilize eroded areas	Grass Conveyance Swale	0.62	74	0.84	40	0.02		0.02	1	0	0	0	0	0	2	1	\$ 400	\$ 18,100	2	1	13	50	26%					
RT7-11*	Route 7	Malletts Bay Direct	Private	Rick's Grill	BMP Retrofit	Grassed area around dry well is higher than surrounding impervious, no flow to DW	Fix grading and improve drainage from parking lot to DW	Subsurface Infiltration	0.60	41	0.50	600	0.42	0.04	0.46	1	3	3	0	1	0	2	1	\$ 2,000	\$ 4,400	2	1	26	50	52%					
RT7-12	Route 7	Lamoille River	Vtrans	Route 7 at Premier Tire and Auto	Gully Stabilization	Low point in Route 7 drains to steep slope to wetland, evidence of repeat armor attempts to stabilize slope.	Better armor repairs or installation of catch basin with low outlet pipe.	Other	0.30	98	1.15		0.00	0.4	0.40	2	0	0	2	0	3	1	0	\$ 6,300	\$ 15,800	2	4	22	50	44%					
RT7-13	Route 7	Lamoille River	Town	Boysenberry Drive	BMP Installation	Parking area and road sheet flow to steep forested slope with some erosion	Install small infiltration swale along slope	Surface Infiltration	0.09	85	0.26	60	0.13	0.08	0.21	0	1	1	1	0	0	2	1	\$ 1,000	\$ 4,700	1	1	20	50	40%					
RT7-14	Route 7	Lamoille River	Private	Ace Hardware Commercial Area	BMP Retrofit	Large commercial area is graded wrong and bypasses several small treatment features. Several low points have ponding water. Most of site drains south to grassed area with swale to treatment wetland	Install new small infiltration features where possible, correct grading to access existing features, enhance treatment in grassed area	Surface Infiltration	2.81	86	6.26	250	0.82		0.82	1	0	0	0	1	0	2	0	\$ 18,000	\$ 22,100	1	1	16	50	32%					
RT7-15	Route 7	Lamoille River	Town	Chrisemily Ln	BMP Installation	East side has slightly elevated shoulder with ponding along road, west side gets some runoff from Lost Tree town homes, minimal sheet flow off of road.	Install grassed swale along west side of road and lower east shoulder to allow for sheet flow to grassed area. Grading within grassed area to create infiltration area	Surface Infiltration	0.32	74	0.06	150	0.37		0.37	0	1	1	0	1	0	2	1	\$ 1,800	\$ 4,800	1	0	19	50	38%					
RT7-16*	Route 7	Lamoille River	Town	Checkerberry St at Nancy Dr	BMP Installation	A large roadside ditch and cross-culvert drain to a steep bank and into a small perennial stream, creating a gully. Recent stabilization with rock appears to be holding. Checkerberry St has insufficient drainage and water frequently ponds along the western side of the road. The ditch along the east side of the road flows through a small wetland area.	Install grassed ditches along Nancy Dr and install catchbasins along Checkerberry to direct water north to existing wetland/ditch area. Enhance wetland ditch to increase storage and treatment.	Wet Pond	3.15	59	5.49	2,000	1.59	0.2	1.79	2	1	0	1	0	3	1	0	\$ 30,000	\$ 16,800	1	4	23	50	46%					
RT7-17	Route 7	Lamoille River	Town/Private	Legion Road	BMP Installation	Large gravel parking area and paved road drain directly to wetland/stream. Road has elevated shoulders causing minor erosion at culvert outlet.	Lower road shoulders and install a grassed swale around perimeter of gravel parking area.	Grass Conveyance Swale	0.59	73	1.17	200	0.02		0.02	2	1	1	0	0	0	0	0	\$ 1,600	\$ 72,600	1	2	10	50	20%					
RT7-2	Route 7	Lamoille River	Town/Vtrans	Route 7 at Riverside Park	BMP Installation	Large section of Route 7 and Cherry St pavement drainlines empty directly to stream and River. Paved shoulders along Route 7 and only a short section of vegetated ditch on Cherry St.	Look for areas along Cherry and River to encourage infiltration and sediment retention, may be possible to enhance outlet channel to River.	Constructed Wetland	7.57	48	11.23		0.00	0.2	0.20	1	0	0	0	0	0	0	1	\$ 13,500	\$ 67,500	1	2	12	50	24%					
RT7-3	Route 7	Lamoille River	Town/Vtrans	Route 7 north of Ritchie Ave	BMP Installation	Large impervious area draining to small stream channel and wetland area along edge of river	Assess options to enhance sediment and nutrient retention in channel/wetland area west of Route 7	Constructed Wetland	40.30	28	43.89		0.00	0.8	0.80	4	0	0	0	0	0	0	1	\$ 67,500	\$ 84,400	1	5	18	50	36%					

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RT7-4*	Route 7	Lamoille River	Town	Lamoille Terrace at Route 7	BMP Installation	Recurring ponding issues at intersection, no existing stormwater drainage or treatment features. Several utilities are located at northwestern corner of intersection	Adjacent areas don't offer much opportunity for infiltration, consider dry well installation ~ 40' west of intersection	Subsurface Infiltration	0.71	61	1.21	800	1.04		1.04	1	2	3	0	1	3	2	0	\$ 16,200	\$ 15,600	1	1	23	50	46%	
RT7-5	Route 7	Lamoille River	Private	Milton Square main pond	BMP Retrofit	Large pond has mediocre grass cover on side slopes and may need a cleanout	Improve grass cover and perform pond maintenance as needed	Wet Pond	6.82	78	14.31		0.00	0.2	0.20	2	0	0	1					\$ 2,000	\$ 10,000		0	15	50	30%	
RT7-6	Route 7	Lamoille River	Private	Milton Laundromat	BMP Retrofit	Last DW in a drainage system is slightly elevated and adjacent pavement doesn't drain anywhere	Easy grading fix to improve flow to DW	Subsurface Infiltration	0.28	71	0.55	400	0.46		0.46	1	3	3	0	1	0	2	1	\$ 3,600	\$ 7,800	2	1	24	50	48%	
RT7-7*	Route 7	Lamoille River	VTrans	Milton Square entrance/ McDonalds	BMP Retrofit	Large and deep grassed basin with a low outlet, lots of trash and mediocre grass cover	Plenty of room to improve volume and detention with outlet retrofit and check dams	Surface Infiltration	1.12	68	2.09	1,500	1.15		1.15	2	1	2	0	1	3	2	1	\$ 6,800	\$ 5,900	1	1	27	50	54%	
RT7-8	Route 7	Lamoille River	Vtrans	Mobile Station	BMP Retrofit	Dry well receiving runoff from most of gas station	Remove dry well, may be able to connect to drainlines to the west.	Other	0.21	93	0.62		0.00		0.00									\$ 10,000	\$ -		0	2	50	4%	
RT7-9	Route 7	Lamoille River	Private	VFCU	BMP Installation	Grassed swales around most of building look great, one area doesn't have one and should	Continue grassed swale through one missing section	Grass Conveyance Swale	0.15	100	0.37	100	0.07		0.07	0	1	1	0	1	0	2	0	\$ 1,000	\$ 15,100	2	0	15	50	30%	
SB-1	Streeter Brook Watershed	Lamoille River	Town	Murray Road at Sawyer Ave	Road Drainage Improvement	A small grassed ditch along Murray Ave ends at the driveway west of the intersection sending runoff to the road. Sawyer Road is low relative to Murray and erosion and pavement damage is visible where runoff crosses Sawyer. A cross culvert under Murray Ave is located approximately 100ft east of the intersection	Raise the elevation of Sawyer at the intersection and install a culvert, also install a ditch to the west.	Road Other	1.64	25	1.73		0.00	0.08	0.08	1	N/A	N/A	0	0	3	2	0	\$ 9,400	\$ 117,500	2	1	12	45	27%	
SB-2	Streeter Brook Watershed	Lamoille River	Town	Poor Farm Road	Road Drainage Improvement	Nearly continuous elevated shoulders along long stretch of Poor Farm Road. No erosion issues and cross-culvert outlet is ok. Some pavement buckling in areas with poor drainage.	Lower grassed shoulder along both sides of the road	Grass Conveyance Swale	1.09	79	2.29	5,000	0.64		0.64	2	N/A	N/A	0	0	3	2	1	\$ 25,400	\$ 39,700	2	0	17	45	38%	
SS-1*	Tributary Watershed	Lamoille River	Town	Stacy Street	Gully Stabilization	Very large gully along ephemeral stream channel at stormwater outlet	Assess options to reduce or reroute flow away from gully, stabilize gully. Replace existing catch basins with DW and possible larger feature near gully	Subsurface Infiltration	4.32	40	8.00	5,000	5.14	2.4	7.54	4	2	3	2	1	3	2	0	\$ 129,900	\$ 17,200	2	4	36	50	72%	
TP-1*	Town Property	Lamoille River	Town	Microsoft Help Collection Definition File	BMP Installation	Runoff from back half of town garage flows to a drop inlet, very large sediment loads and erosion at inlet.	Stabilize flow paths and create a sediment trap sump with an outlet retrofit.	Surface Infiltration	1.34	45	3.07	50	0.20	1.2	1.40	4	0	0	1	1	3	2	1	\$ 2,300	\$ 1,600	0	4	29	50	58%	
TP-2*	Town Property	Lamoille River	Town	Town Garage	BMP Installation	Runoff from front half of town garage concentrates and flows over grassed area and directly into River. Includes runoff from sand/salt loading area	Install an infiltration feature with a stable overflow, possibly divert roof runoff away from loading area.	Sand Filter	0.34	76	1.08	850	0.68	0.4	1.08	3	3	2	1	1	3	2	1	\$ 19,400	\$ 17,900	1	2	30	50	60%	
TP-3*	Town Property	Lamoille River	Town	Ice House Road	BMP Installation	Runoff from large parking lot and portions of road accessing Town Garage drain directly to catchbasin, to River.	Room within existing green space to install a small infiltration and treatment basin.	Surface Infiltration	1.38	62	2.48	100	0.35	0.08	0.43	2	1	0	0	1	3	2	0	\$ 3,500	\$ 8,100	1	2	22	50	44%	
TP-4*	Town Property	Lamoille River	Town	Milton Grange	BMP Installation	Grange hall drains to half paved half gravel area with one dry well (poorly functioning). Low point in back of building may cause flooding through doors. Basement is event space with window wells under roof drip line. Two low points are found along the southern edge of the parking area.	Clean or replace existing dry well. Consider paving remaining parking area. Small grass swale along southern portion of parking lot and a new dry well.	Subsurface Infiltration	0.62	77	1.48	1,200	1.17	0.2	1.37	3	3	3	0	1	3	2	0	\$ 39,900	\$ 29,200	2	2	26	50	52%	
TP-5*	Town Property	Lamoille River	Town	Landfill Road	Road Drainage Improvement	Road is poorly crowned and approximately 10-11% slope. Ditch on the west side is eroded and some rilling along edge of road.	Stone line ditch and improve road crown	Road Ditch	2.12	37	3.22		0.00	0.6	0.60	2	N/A	N/A	1	0	3	2	1	\$ 9,000	\$ 15,000	2	2	22	45	49%	
TP-6*	Town Property	Lamoille River	Town	Transfer Station	BMP Installation	Large portion of transfer station drains to the northeast corner and into unstable ditch.	Stabilize outlet area and install cross-culvert to new treatment area across road, two locations are possible.	Subsurface Infiltration	0.79	97	1.94	2,500	1.87		1.87	1	3	3	0	1	3	2	1	\$ 29,100	\$ 15,500	2	3	29	50	58%	
TP-7*	Town Property	Malletts Bay Direct	Town	Municipal Building	BMP Installation	Northern half of parking area drains west to small grassed area between Park Place and Bombardier Rd	Install a small rain garden	Rain Garden (no underdrain)	0.16	94	0.26	200	0.22		0.22	1	1	2	0	1	3	2	0	\$ 6,100	\$ 27,700	1	1	19	50	38%	
TP-8	Town Property	Malletts Bay Direct	Town	Municipal Building	BMP Installation	Approximately 3,000 sqft of metal roof drain to a downspout at the main entrance to the municipal building. An additional 2500 sqft of roof directly drain to a planting area along the sidewalk. The land is slightly sloped north down to the parking lot. Gravel under the dripline suggests that there is an underdrain feature.	Install a demonstration rain garden in this high visibility location. Sheetflow from roof will be a design consideration.	Rain Garden (with underdrain)	0.17	97	0.29	320	0.13		0.13	0	1	2	0	1	3	2	0	\$ 10,600	\$ 80,100	1	2	16	50	32%	

\* Projects Selected for 1-Page Summary Sheets (30 total)