

| #                      | Waterbody                   | Project Description   | Town(s)                | Stream segment  | Activity/ Stressor addressed                | Source   | Current or Potential Partners                                     |
|------------------------|-----------------------------|---|------------------------|---|---|--|---|
| <b>UPPER LAMOILLE</b>  |                             |   |                        |   |   |  |   |
|                        | Greensboro Brook            | New monitoring site   | Greensboro, Hardwick   | At least one site on segment  | Protection, monitor, assess                 | <a href="#">VDEC Water Quality Assessment Report</a> | VDEC - Monitoring   |
|                        | Stannard Brook              | Monitoring update   | Stannard               | River mile 3.0,<br><b>Stressed</b>  | Encroachment, channel erosion, land erosion | <a href="#">VDEC Water Quality Assessment Report</a> | VDEC - Monitoring   |
|                        | Lamoille River              | Additional fish monitoring  | Greensboro             | River mile 80.8   | Protection, monitor, assess                 | <a href="#">VDEC Water Quality Assessment Report</a> | VDEC - Monitoring   |
|                        | Tucker Brook                | New monitoring site   | Hardwick               | One site on segment closer to route 14<br><b>Stressed</b>   | Channel erosion, land erosion, encroachment | <a href="#">VDEC Water Quality Assessment Report</a> | VDEC - Monitoring   |
|                        | Haynesville Brook           | New monitoring site   | Walden, Hardwick       | Two sites; one in forested area upstream in Walden and second along Route 15 in Hardwick<br><b>Stressed</b> | Encroachment, channel erosion, land erosion | <a href="#">VDEC Water Quality Assessment Report</a> | VDEC - Monitoring   |
|                        | Porter Brook                | New monitoring site   | Hardwick               | At least one site   | Encroachment                                | <a href="#">VDEC Water Quality Assessment Report</a> | VDEC - Monitoring   |
|                        | Flagg Pond Cedar Swamp      | Wetland assessment  | Wheelock               |   | Protection, monitor, assess                 | <a href="#">VDEC Water Quality Assessment Report</a> | VDEC – Wetlands Biomonitoring                                     |
|                        | Long Pond                   | Collect additional lakes data and report to support reclassification            | Greensboro             |   | Protection, monitor, assess                 | <a href="#">VDEC – Lakes and Ponds</a>               | VDEC – Lakes and Ponds, Greensboro Land Trust, Town of Greensboro |
|                        | Page Brook Cedar Swamp      | Wetland assessment  | Wheelock, Sheffield    |   | Protection, monitor, assess                 | <a href="#">VDEC Water Quality Assessment Report</a> | VDEC – Wetlands Biomonitoring                                     |
| <b>MIDDLE LAMOILLE</b> |                             |   |                        |   |   |  |   |
|                        | Centerville Brook           | New monitoring site   | Hyde Park, Morrisville | Site near Depot Street  | Encroachment, nutrients, erosion            | <a href="#">VDEC Water Quality Assessment Report</a> | VDEC - Monitoring   |
|                        | Waterman Brook              | Additional fish monitoring at alternate site                                    | Johnson                | Close to river mile 1.2   | Protection, monitor, assess                 | <a href="#">VDEC Water Quality Assessment Report</a> | VDEC - Monitoring   |
|                        | Foote Brook                 | Additional bug and fish monitoring  | Johnson                | River mile 2.6  | Protection, monitor, assess                 | <a href="#">VDEC Water Quality Assessment Report</a> | VDEC - Monitoring   |
|                        | Rattling Brook              | New monitoring site – potential high quality water                              | Belvidere              | Above confluence with the North Branch  | Protection, monitor, assess                 | <a href="#">VDEC Water Quality Assessment Report</a> | VDEC - Monitoring   |
|                        | Calavale Brook              | New monitoring site – potential high quality water                              | Belvidere              | Above confluence with the North Branch  | Protection, monitor, assess                 | <a href="#">VDEC Water Quality Assessment Report</a> | VDEC - Monitoring   |
|                        | Basin Brook                 | Site sampled once in 1992. Density and richness metrics were not meeting goals. | Belvidere              | River mile 0.5  | Re-evaluate                                 | <a href="#">VDEC Water Quality Assessment Report</a> | VDEC - Monitoring   |
|                        | North Branch Lamoille River | Site sampled for bugs in 2013, need more data for reclassification              | Waterville             | River mile 2.0  | Protection, monitor, assess                 | <a href="#">VDEC Water Quality Assessment Report</a> | VDEC - Monitoring   |

|                       |                                    |   |                                       |   |                             |  |   |
|-----------------------|------------------------------------|---|---------------------------------------|---|-----------------------------|--|---|
|                       | Wild Brook (to Gihon R)            | New monitoring site – potential high quality water                            | Johnson                               | Upstream of confluence with Gihon River above 100C      | Protection, monitor, assess | <a href="#">VDEC Water Quality Assessment Report</a>   | VDEC - Monitoring   |
|                       | White Branch (to Gihon R)          | New monitoring site – potential high quality water                            | Eden                                  | Above confluence with the Gihon River                   | Protection, monitor, assess | <a href="#">VDEC Water Quality Assessment Report</a>   | VDEC - Monitoring   |
|                       | Gihon River                        | New monitoring site for lower part of the river                               | Johnson                               |   | Monitor, assess             | <a href="#">VDEC Water Quality Assessment Report</a>   | VDEC - Monitoring   |
|                       | Kenfield Brook                     | Additional fish and bug data for each site                                    | Morristown                            | River miles 0.2 and 1.5                                 | Monitor, assess             | <a href="#">VDEC Water Quality Assessment Report</a>   | VDEC - Monitoring   |
|                       | Mud Brook                          | Re-sample 2002 site, need current data to                                     | Morristown                            | 0.5 miles<br><b>Stressed</b>                            | Monitor, assess             | VDEC Water Quality   | VDEC - Monitoring   |
|                       | Rodman Brook                       | Continue monitoring after restoration   | Morristown                            | 0.6 miles<br><b>Impaired</b>                            | Monitor, assess             | VDEC Water Quality Assessment  | VDEC - Monitoring   |
|                       | Wild Branch                        | Sample river mile 0.1 and one site upstream                                   | Wolcott                               | River mile 0.1  | Monitor, assess             | VDEC Water Quality Assessment Report, 2016 Stressed Waters List, Wild Branch River Corridor Plan | VDEC - Monitoring   |
|                       | Green River                        | Sample a second time for fish and macroinvertebrates                          | Hyde Park                             | River mile 2.9  | Protection, monitor, assess | <a href="#">VDEC Water Quality Assessment Report</a>   | VDEC - Monitoring   |
|                       | Little Elmore Pond                 | Assess water quality  | Elmore                                |   | Protection, monitor, assess | <a href="#">VDEC – Lakes and Ponds</a>   | VDEC - Lakes and Ponds, Town of Elmore                            |
|                       | Big Muddy Pond                     | Assess water quality and AIS  | Eden                                  |   | Monitor, assess             | <a href="#">VDEC – Lakes and Ponds</a>   | VDEC – Lakes and Ponds, Johnson State College                     |
|                       | Ritterbush Pond                    | Assess water quality  | Eden                                  |   | Monitor, assess             | <a href="#">VDEC – Lakes and Ponds</a>   | VDEC – Lakes and Ponds, Johnson State College                     |
|                       | Long Pond                          | Assess shoreland and lake habitat   | Eden                                  |   | Monitor, assess             | <a href="#">VDEC – Lakes and Ponds</a>   | VDEC – Lakes and Ponds  |
|                       | Mud Pond                           | Assess water quality and AIS  | Hyde Park                             |   | Monitor, assess             | <a href="#">VDEC – Lakes and Ponds</a>   | VDEC – Lakes and Ponds  |
|                       | Lake-of-the-Clouds                 | Continue to monitor for acidity   | Cambridge                             |   | Monitor                     | <a href="#">VDEC Water Quality Assessment Report</a>   | VDEC - Monitoring   |
|                       | Lake Lamoille                      | Assess water quality and shoreland and lake habitat                           | Morristown                            |   | Monitor, assess             | <a href="#">VDEC – Lakes and Ponds</a>   | VDEC – Lakes and Ponds, Monitoring and LakeWise Program           |
|                       | North Branch Wetland Complex       | Wetland Assessment  | Belvidere                             |   | Protection, monitor, assess | VDEC, Town of Belvidere  | Town of Belvidere, VDEC - Wetlands Biomonitoring                  |
|                       | Molly Bog & Morristown Bog Complex | Wetland Assessment  | Morristown                            |   | Protection, monitor, assess | <a href="#">VDEC Water Quality Assessment Report</a>   | VDEC - Wetlands Biomonitoring, Morristown Conservation Commission |
| <b>LOWER LAMOILLE</b> |                                    |   |                                       |   |                             |  |   |
|                       | Lamoille River                     | Continue to monitor at RM 19.3, need additional bug data for reclassification | Georgia, Fairfax, Fletcher, Cambridge | River mile 15.7 to 33.5                                 | Monitor, assess             | <a href="#">VDEC Water Quality Assessment Report</a>   | VDEC - Monitoring   |
|                       | Stones Brook                       | New monitoring site – need data to assess nutrient enrichment                 | Fletcher                              | Headwaters  | Monitor, assess             | <a href="#">VDEC – Lakes and Ponds</a>   | VDEC - Monitoring   |
|                       | Stevensville Brook                 | Site last sampled for bugs in 2007, need more data for current status         | Underhill, Stowe                      | 3.0 miles from headwaters downstream<br><b>Stressed</b> | Acidity, channel erosion    | VDEC Water Quality Assessment Report, 2016   | VDEC - Monitoring   |

|  |                         |   |                              |   |                             |   |                                    |
|--|-------------------------|---|------------------------------|---|-----------------------------|---|------------------------------------|
|  | Streeter Brook          | New monitoring site – need data to assess stressed site upstream          | Milton                       | RM 0.6 and another site upstream of subdivision | Monitor, assess             | VDEC Monitoring Data  | VDEC - Monitoring                  |
|  | Beaver Brook            | New monitoring site(s)  | Underhill, Westford, Fairfax | One or two new sites in Westford and Fairfax    | Monitor, assess             | <a href="#">VDEC Water Quality Assessment Report</a>          | VDEC - Monitoring                  |
|  | Silver Lake             | Assess water quality and aquatic invasive species                         | Georgia                      |   | Monitor, assess             | <a href="#">VDEC – Lakes and Ponds</a>                        | VDEC – Lakes and Ponds             |
|  | Arrowhead Mountain Lake | Assess shoreline condition  | Georgia, Milton              |   | Monitor, assess             | <a href="#">VDEC – Lakes and Ponds</a>                        | VDEC – Lakes and Ponds             |
|  | Round Pond              | Review shoreline data for recommendations on decreasing trend             | Milton                       |   | Monitor, assess             | <a href="#">VDEC – Lakes and Ponds</a>                        | VDEC – Lakes and Ponds             |
|  | Lamoille Trib #4        | Continue to monitor sites associated with                                 | Milton                       | River mile 0.4 to 0.7 <b>Impaired</b>           | Monitor, assess / metals    | VDEC Water Quality  | VDEC, Town of Milton               |
|  | Lee River               | Need one more data point for bugs and fish for potential reclassification | Jericho                      | River mile 2.8                                  | Monitor, assess             | <a href="#">VDEC Water Quality Assessment Report</a>          | VDEC - Monitoring                  |
|  | Milton Towne Swamp      | Wetland Assessment  | Milton, Westford             |   | Protection, monitor, assess | Lower Lamoille Watershed; Basin 7 Watershed Assessment Report | VDEC, Towns of Milton and Westford |

| #  | Waterbody   | Project Description  | Town(s)  | Stream segment  | Activity/ Stressor addressed                           | Source  | Current or Potential Partners                        |
|--|---|--|--|---|--|---|--|
| <b>Actions to address agricultural stressors</b> |   |  |  |   |  |   |  |
| <b>UPPER LAMOILLE</b>                            |   |  |  |   |  |   |  |
| <b>LOWER LAMOILLE</b>                            |   |  |  |   |  |   |  |
|  | Seymour River, Lamoille Mainstem, Beaver Meadow Brook, Deer Brook, Stones Brook, Mill Brook, Browns River | Map areas of corn-hay rotation and continuous hay based on soil type located in floodable soils to identify cover crop and conservation tillage priorities | Cambridge, Underhill, Jericho, Essex, Westford, Fletcher, Georgia, Fairfax, Milton | Agricultural segments of watershed  | Nutrients, land erosion                                | <a href="#">LC TMDL Modeling Tools</a>  | AAFM, NRCS, VDEC, UVM Extension                      |
|  | Seymour River, Lamoille Mainstem, Beaver Meadow Brook, Deer Brook, Stones Brook, Mill Brook, Browns River | Provide education and assistance to agricultural communities in priority watersheds on agricultural BMPs to meet TMDL requirements                         | Cambridge, Underhill, Jericho, Essex, Westford, Fletcher, Fairfax, Milton          | Agricultural segments of watershed  | Technical assistance and education                     | <a href="#">LC TMDL Modeling Tools</a>  | AAFM, NRCS, VDEC, NRCDs                              |
|  | Seymour River, Lamoille Mainstem, Beaver Meadow Brook, Deer Brook, Stones Brook, Mill Brook, Browns River | Identify areas of nutrient input, identify high priority projects, and implement agricultural water quality practices                                      | Cambridge, Underhill, Jericho, Essex, Westford, Fletcher, Fairfax, Milton          | Agricultural segments of watershed  | Nutrients, encroachment, channel erosion, land erosion | <a href="#">LC TMDL Modeling Tools</a>  | AAFM, NRCS, VDEC, WNRCD                              |
|  | Halfmoon Pond   | Work with landowner to identify current sources of nutrients and employ practices to address the sources   | Milton   |   | Encroachment, nutrients                                | <a href="#">VDEC – Lakes and Ponds</a>  | AAFM, NRCS   |
| <b>Actions to address stormwater issues</b>      |   |  |  |   |  |   |  |
| <b>UPPER LAMOILLE</b>                            |   |  |  |   |  |   |  |
| <b>MIDDLE LAMOILLE</b>                           |   |  |  |   |  |   |  |
| <b>LOWER LAMOILLE</b>                            |   |  |  |   |  |   |  |
|  | Streeter Brook  | Identify potential sources of stormwater runoff and nutrient input and prioritize a list of actions to address sources                                     | Milton   | 0.6 miles by falls north and south of Sanderson Rd. Stressed  | Nutrients  | VDEC Water Quality Assessment Report, 2016 Stressed Waters List                             | VDEC, WNRCD, CCRPC, Town of Milton                   |
|  | Lower Lamoille River  | Implement priority projects identified in the Milton Stormwater Master Plan and implement minimum measures in the Stormwater Management Plan               | Milton   |   | Nutrients, land erosion, encroachment                  | <a href="#">Milton Stormwater Management Plan</a> , <a href="#">VDEC Stormwater Program</a> | VDEC, Town of Milton, CCRPC                          |
|  | Lower Lamoille River  | Develop stormwater master plan using completed VDEC stormwater mapping and focus on priority catchments  | Fairfax, Fletcher, Underhill, Jericho  |   | Nutrients, land erosion                                | VDEC - Stormwater Mapping Reports, LC TMDL Modeling Tools                                   | VDEC – CWIP, Municipalities, CCRPC, NWRPC            |
|  | Lower Lamoille and tributaries  | Inventory and prioritize municipal road erosion features using VDEC Stormwater's interim guidance  | Fletcher, Fairfax, Milton, Georgia [ CCRPC: add Colchester and Westford ]          | All connected surface waters [ CCRPC: suggest change, "segments receiving road stormwater runoff" ] | Nutrients, land erosion, flood resiliency              | <a href="#">LC TMDL Modeling Tools</a>  | Municipalities, VDEC, CCRPC, NWRPC, AOT Better Roads |
|  | Lower Lamoille and tributaries  | Implement high priority road projects identified by road erosion inventories   | Milton, Colchester, Westford, Jericho, Underhill, Essex                            | All connected surface waters  | Nutrients, land erosion, channel erosion, encroachment | Road Erosion Inventories, LC TMDL Modeling Tools  | VDEC, CCRPC, Municipalities                          |

|  |  |  |  |  |   |   |
|--|--|--|--|--|---|---|
| Lower Lamoille and tributaries   | Implement projects addressing vulnerabilities from Water Pollution from County and municipal All-Hazards Mitigation Plans                                      | Milton, Colchester, Westford, Jericho, Underhill, Essex            | Segments receiving road stormwater runoff  | Nutrients, land erosion, flood resiliency                                | <a href="#">Chittenden County and Municipal Hazard Mitigation Plans</a> | Municipalities, CCRPC, VDEC, AOT Better Roads                     |
| <b>Actions to encourage stream equilibrium and wetland and river corridor protection</b> |  |  |  |  |   |   |
| <b>MIDDLE LAMOILLE</b>   |  |  |  |  |   |   |
| Seymour Brook  | SGA lite and river corridor plan to identify stressors and priority project to address stressors   | Cambridge, Underhill   |  | Channel erosion, encroachment, flood resiliency, nutrients               | VDEC Water Quality Assessment Report, 2016 Stressed Waters List         | VDEC – Rivers, LCPC   |
| Lamoille River   | Complete Lamoille River HUC 1 Corridor Plan and prioritize projects  | Johnson, Cambridge, Fletcher, Fairfax, Georgia, Milton, Colchester |  | Encroachment, flood resiliency, nutrients, channel erosion, land erosion | VDEC, LCCD, LCPC  | VDEC – Rivers, LCPC, LCCD, Municipalities                         |
| <b>LOWER LAMOILLE</b>  |  |  |  |  |   |   |
| Browns River   | Scope, prioritize and implement projects identified in the Browns River Corridor Plan  | Underhill, Jericho [ CCRPC: add Essex and Westford ]               | from west of Jericho/Essex line up 7.5 miles [ CCRPC: suggest change, "and other fluvial erosion hazard areas" ] | Land erosion, channel erosion, thermal stress                            | Browns River Corridor Plans, 2016 Stressed Waters List                  | CCRPC, WNRCD, VDEC - Rivers                                       |
| Browns River   | Identify and implement wetland restoration on high priority sites identified by VDEC   | Westford, Underhill, Jericho, Essex                                | Lower part of the watershed  | Encroachment, nutrients  | NRCS Wetland Restoration Identification, VDEC                           | VDEC, TNC, USFW, NRCS, AAFM                                       |
| Class II Wetlands in Lower Lamoille  | Work with towns to update wetland mapping. Priority goes to towns with the highest coverage of wetlands, highest development pressure, and the town of Jericho | Milton, Westford, Essex, Jericho, Underhill, Fairfax, Fletcher,    |  | Encroachment, flood resiliency   | VDEC, VSWI  | VDEC, CCRPC, WNRCD, Municipalities, Conservation Commissions      |
| Lower Lamoille waters  | Work with towns to adopt river corridor protection or strengthen existing river protection by-laws, setbacks, and zoning                                       | Westford, Underhill  |  | Channel erosion, encroachment, flood resiliency, nutrients               | Municipal Protection Matrix, ERAF database                              | CCRPC, municipalities, VDEC – Rivers                              |
| Lower Lamoille Waters  | Work with towns to add approved RPC flood resiliency section to town plan  | Milton   |  | Flood resiliency   | <a href="#">Municipal Protection Matrix</a>                             | CCRPC, municipalities, VDEC – Rivers                              |
| Lower Lamoille and tributaries   | Implement projects addressing vulnerabilities from Flooding and Fluvial Erosion from County and municipal All-Hazards Mitigation Plans                         | Milton, Colchester, Westford, Jericho, Underhill, Essex            |  | Channel erosion, flood resiliency  | <a href="#">Chittenden County and Municipal Hazard Mitigation Plans</a> | Municipalities, CCRPC, VDEC, AOT Better Roads                     |
| <b>Actions to address invasive species</b>   |  |  |  |  |   |   |
| <b>LOWER LAMOILLE</b>  |  |  |  |  |   |   |
| Arrowhead Mountain Lake<br>114 acres<br><i>Altered</i>                                   | Develop a lake association to work with VDEC to develop and invasive species management plan for the waterbody   | Georgia, Milton  |  | Invasive species   | <a href="#">VDEC – Lakes and Ponds</a>                                  | VDEC Lakes and Ponds, Georgia and Milton Conservation Commissions |
| <b>Actions to address lake and pond shoreland and lake habitat condition</b>             |  |  |  |  |   |   |
| <b>UPPER LAMOILLE</b>  |  |  |  |  |   |   |
| <b>LOWER LAMOILLE</b>  |  |  |  |  |   |   |
| Round Pond   | Determine what is causing the declining shoreland and lake habitat and make improvements if necessary  | Milton   |  |  |   |   |
| <b>Actions to Address Impaired Waters, Landfills, or Hazardous Waste Sites</b>           |  |  |  |  |   |   |
| <b>LOWER LAMOILLE</b>  |  |  |  |  |   |   |
| Lamoille River Trib #4   | Develop TMDL plan; Investigate area above the landfill   | Milton   | River mile 0.4 to 0.7 <i>Impaired</i>  | Restoration, Toxics  | VDEC Water Quality Assessment Report,                                   | VDEC, Town of Milton  |
| Lower Lamoille   | Re-sample the mercury impaired waters within the basin to update data.   | Milton, Colchester   | Mouth to Clarks Falls Dam<br>8.5 miles<br><i>Impaired</i>  | Toxics   | <a href="#">2016 List of Priority Waters</a>                            | VDEC, VFWD  |
| <b>Actions to Address Flow Altered Waters</b>  |  |  |  |  |   |   |

| LOWER LAMOILLE  |  |                    |  |                             |   |   |  |
|---|--|--------------------|--|-----------------------------|---|---|--|
| Lower Lamoille River  | Resume monitoring to determine if D.O. levels meet WQS   | Milton, Colchester | From Clarks Falls to Route 2 bridge 6 miles<br><i>Impaired</i> | Assess, flow-alteration     | <a href="#">2016 List of Priority Waters</a>                                    | VDEC – Rivers, CVPS   |  |
| <b>Waters for public water supply reclassification</b>                    |  |                    |  |                             |   |   |  |
| LOWER LAMOILLE  |  |                    |  |                             |   |   |  |
| <b>Actions for protection and evaluation for ORW and reclassification</b> |  |                    |  |                             |   |   |  |
| LOWER LAMOILLE  |  |                    |  |                             |   |   |  |
| Sandbar Wetland Complex   | Petition for Class I wetland classification  | Milton, Colchester |  | Protection                  | VDEC - Wetlands, Lower Lamoille Watershed; Basin 7 Watershed Assessment Report  | VDEC – Wetlands, Friends of Lake Champlain, Lake Champlain Basin Program, Town of Milton, Town of Colchester, WNRCD |  |
| Milton Towne Swamp  | Evaluate for Class I potential   | Milton, Westford   |  | Protection, monitor, assess | Town of Westford, Lower Lamoille Watershed, Basin 7 Watershed Assessment Report | VDEC - Wetlands, Towns of Milton and Westford   |  |
| Hidden Swamp  | Compile natural resource reports on the swamp and evaluate if wetland meets criteria for potential Class I determination | Milton, Westford   |  | Protection, assess          | Town of Westford  | Towns of Milton and Westford, VDEC - Wetlands   |  |