

Table #	Waterbody	Project Description
Actions to address agricultural stressors		
UPPER LAMOILLE		
1	Porter Brook, Bailey Brook, Perkins Meadow Brook, Haynesville Brook	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 in high priority catchments
2	Porter Brook, Bailey Brook, Perkins Meadow Brook, Haynesville Brook	Provide education and assistance to agricultural communities in priority watersheds on agricultural BMPs to meet TMDL requirements in high priority catchments
3	Porter Brook, Bailey Brook, Perkins Meadow Brook, Haynesville Brook	Identify areas of nutrient input, identify high priority projects, and implement agricultural water quality practices in high priority catchments
MIDDLE LAMOILLE		
4	Lamoille mainstem, Browns River, Centerville Brook, Lower Gihon, Middle Wild Branch	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 in high priority catchments
5	Lamoille mainstem, Centerville Brook, Lower Gihon, Middle Wild Branch	Provide education and assistance to agricultural communities in priority watersheds on agricultural BMPs to meet TMDL requirements in high priority catchments
6	Lamoille mainstem, Centerville Brook, Lower Gihon, Middle Wild Branch	Identify areas of nutrient input, identify high priority projects, and implement agricultural water quality practices in high priority catchments
LOWER LAMOILLE		

7	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 in high priority catchments
8	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 in high priority catchments
9	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 in high priority catchments
10	Halfmoon Pond	Work with landowner to identify current sources of nutrients and employ practices to address the sources

Actions to address stormwater issues

UPPER LAMOILLE

11	Greensboro Brook	Design and implement green stormwater infrastructure projects to mitigate stormwater runoff along Laurendon Avenue
12	Upper Lamoille River	Develop stormwater master plan for the Village of Hardwick and identify priority projects for mitigating runoff
13	Caspian Lake	Install road erosion BMPs/SW GSI/gully erosion stabilization. *Can also be addressed through townwide road erosion inventory as well
14	Lamoille River and tributaries	Inventory and prioritize municipal road erosion features using VDEC's MRGP interim road erosion inventory guidance
15	Stannard Brook	Develop a stormwater management project for implementation for the town sand storage area

MIDDLE LAMOILLE

16	Middle Lamoille	Inventory and prioritize municipal road erosion features
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17	Middle Lamoille	Inventory and prioritize municipal road erosion features using VDEC's MRGP interim road erosion inventory guidance
18	Middle Lamoille	Implement high priority road projects identified by road erosion inventories
19	Middle Lamoille	Develop stormwater master plans and identify priority projects for mitigating runoff using stormwater mapping information
20	Middle Lamoille	Develop stormwater master plan and identify priority projects for mitigating runoff using stormwater mapping information
21	Lamoille River	Wolcott Town Garage and Fire Station Stormwater management project
22	Middle Lamoille	Implement priority projects identified in Stormwater Mapping reports
23	North Branch Lamoille	Re-locate or build a salt shed for salt and sand storage for the Town of Belvidere
24	Elmore Lake	Develop a stormwater management project for the Elmore town garage sand storage area
25	Direct tributary to Lamoille	Final design and implementation of stormwater projects identified for Johnson State College
LOWER LAMOILLE		
26	Deer Brook	Re-visit gully restoration design and review for implementation;
27	Direct tributary to the Lower Lamoille	Repair eroding access road in VTrans right-of-way along I-89 southbound
28	Streeter Brook	Identify potential sources of stormwater runoff and nutrient input and prioritize a list of actions to address sources
29	Lower Lamoille River	Implement priority projects identified in the Milton Stormwater Master Plan and implement minimum measures in the Stormwater Management Plan

30	Lower Lamoille River	Develop stormwater master plan using completed VDEC stormwater mapping and focus on priority catchments
31	Lower Lamoille and tributaries	Inventory and prioritize municipal road erosion features using VDEC's MRGP interim road erosion inventory guidance
32	Lower Lamoille and tributaries	Implement high priority road projects identified by road erosion inventories
33	Lower Lamoille and tributaries	Implement projects addressing vulnerabilities from water pollution from county and municipal All-Hazards Mitigation Plans

Actions to encourage stream equilibrium and wetland and river

UPPER LAMOILLE

34	Hardwick Lake and Lamoille River	Propose and complete alternatives analysis for Jackson Dam
35	Caspian Lake	Work with landowners to determine flow levels that support aquatic habitat and lakeshore habitat protection
36	Haynesville Brook	SGA and river corridor plan to identify stressors and priority
37	Tucker Brook	SGA and river corridor plan to identify stressors and priority
38	Stannard Brook	SGA and river corridor plan to identify stressors and priority
39	Upper Lamoille Mainstem	Follow up on preliminary management strategies identified in the Upper Lamoille River Phase 2 SGA
40	Upper Lamoille waters	Work with towns to consider joining the NFIP as part of an effort to increase ERAF rating
41	Upper Lamoille waters	Work with towns to adopt river corridor protection
42	Upper Lamoille waters	Work with towns to add approved RPC flood resiliency section to town plan

43	Upper Lamoille Waters	Adopt flood hazard by-law
MIDDLE LAMOILLE		
44	Middle Lamoille waters	Work with towns to consider joining the NFIP as part of an effort to increase ERAF rating
45	Middle Lamoille waters	Work with towns to adopt river corridor protection or strengthen existing river protection by-laws, setbacks, and zoning
46	Middle Lamoille waters	Work with towns to add approved RPC flood resiliency section to town plan
47	Middle Lamoille Waters	Adopt flood hazard by-law
48	Lamoille River, Wild Branch	Undertake flood modeling and alternatives analysis and implement best choices for flood resiliency, floodplain restoration, buyouts, protection (RCEs)
49	Bunker Brook	SGA and river corridor plan to identify stressors and priority
50	Kate Brook	SGA and river corridor plan to identify stressors and priority
51	Seymour River	SGA and river corridor plan to identify stressors and priority projects to address stressors
52	Ryder Brook	SGA and river corridor plan to identify stressors and priority projects to address stressors
53	Brewster River	Scope and implement priority incomplete projects and actions identified in the River Corridor Plan
54	Centerville Brook	Scope and implement priority incomplete projects and actions identified in the River Corridor Plan
55	Elmore Branch	Scope and implement priority incomplete projects and actions identified in the River Corridor Plan
56	Gihon River	Scope and implement priority incomplete projects and actions identified in the River Corridor Plan

57	Rodman Brook	Scope and implement priority incomplete projects and actions identified in the River Corridor Plan
58	Wild Branch	Scope and implement priority incomplete projects and actions identified in the River Corridor Plan
59	Lamoille River	Complete Lamoille River HUC 1 Corridor Plan and prioritize projects
60	North Branch Lamoille	Identify target areas for easements and river corridor
61	Lamoille River	Scope and implement priority incomplete projects and actions identified in the HUC 2 Corridor Plan and prioritize projects
LOWER LAMOILLE		
62	Lower Lamoille waters	Work with towns to adopt river corridor protection
63	Lower Lamoille waters	Work with towns to add approved RPC flood resiliency section to town plan
64	Browns River	Scope, prioritize and implement projects identified in the Browns River Corridor Plan
65	Browns River	Identify and implement wetland restoration on high priority sites identified by VDEC
66	Class II Wetlands in Lower Lamoille	Work with towns to update wetland mapping. Priority goes to towns with the highest coverage of wetlands, and highest development pressure
67	Lower Lamoille waters	Work with towns to adopt river corridor protection or strengthen existing river protection by-laws, setbacks, and zoning
68	Lower Lamoille waters	Work with towns to add approved RPC flood resiliency section to town plan

69	Lower Lamoille and tributaries	Implement projects addressing vulnerabilities from flooding and fluvial erosion from county and municipal All-Hazards Mitigation Plans
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Actions to address invasive species

UPPER LAMOILLE

70	Lake Caspian	Continue to support greeter program and maintain AIS signage
71	Hardwick Lake, Horse Pond, Long Pond, Nichols Pond	Maintain AIS signage

MIDDLE LAMOILLE

72	Long Pond	Manage and prevent AIS introduction
73	Lake Elmore	Continue to monitor and manage AIS
74	Lake Eden	Continue Public Access Greeter Program to prevent AIS introduction
75	Lake Eden, Green River Reservoir, Long Pond, Wolcott Pond	Maintain AIS signage

LOWER LAMOILLE

76	Arrowhead Mountain Lake 114 acres <i>Altered</i>	Develop a lake association to work with VDEC to develop and invasive species management
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Actions to address lake and pond water quality and lake shore

UPPER LAMOILLE

77	Hardwick Lake	Determine what is causing the declining shoreland and lake habitat and make improvements
78	Lake Caspian	Initiate LakeWise Program to determine projects that will improve shoreland and lake habitat
79	Horse Pond	Determine what is causing the declining shoreland and lake habitat and make improvements if necessary
80	Nichols Pond	Determine what is causing the declining shoreland and lake habitat and make improvements if necessary

81	East Long Pond	Determine what is causing the declining shoreland and lake habitat and make improvements if necessary
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MIDDLE LAMOILLE

82	Lake Elmore	Initiate LakeWise Program to determine projects that will improve shoreland and lake habitat and reduce sedimentation; Full lake assessment is recommended
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83	Lake Eden	Determine what is causing declining water quality, sedimentation, and shoreland and lake habitat trend and initiate the LakeWise Program; Full lake assessment is recommended
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84	South Pond	Determine what is causing the declining shoreland and lake habitat and make improvements
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85	Ritterbush Pond	Determine what is causing the declining shoreland and lake habitat trend and make improvements
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86	Lake Wapanacki	Determine what is causing the declining shoreland and lake habitat and make improvements
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LOWER LAMOILLE

87	Round Pond	Determine what is causing the declining shoreland and lake habitat and make improvements if necessary
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Actions to Address Impaired Waters, Landfills, or Hazardous W

MIDDLE LAMOILLE

88	Lowell asbestos mine- Hutchins Brook, Hutchins Brook Trib 4, Dark Branch	Implement remediation measures to reduce erosion and tailing discharges
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89	Gihon River	Assess condition of water quality at hazardous waste sites and
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90	North Branch	Continue monitoring surface waters and employ restoration methods if needed
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100	Mud Brook	Assess current condition of waters below Mud Brook Dam
101	Rodman Brook	Remediate landfill washout and ensure no further violations
102	Tributary to Brewster River	Remediate iron impairment by developing and implementing a
LOWER LAMOILLE		
103	Lamoille River Trib #4	Develop TMDL plan; Investigate area above the landfill
104	Deer Brook	Re-visit gully restoration design and review for implementation;
105	Lower Lamoille	Re-sample the mercury impaired waters within the basin to update data.
Actions to Address Flow Altered Waters		
UPPER LAMOILLE		
106	Caspian Lake	Evaluate best water level to maintain to have the least amount of impacts
107	Hardwick Lake	Town should consider an alternatives analysis; Re-assess town support based on current conditions
MIDDLE LAMOILLE		
108	Lamoille River	Pursue conservation flows through appropriate state regulatory processes and
109	Mud Brook	Assess current status of water quality and removal of dam
LOWER LAMOILLE		
110	Lower Lamoille River	Resume monitoring to determine if dissolved oxygen levels meet WQS
Waters for public water supply reclassification		
UPPER LAMOILLE		
111	Unnamed tributary to the Lamoille River	Town petition for reclassification of waters to B1 since it is no longer used as a water supply
LOWER LAMOILLE		

112	Unnamed tributary to the Lamoille River	Town petition for reclassification of waters to B1 since it is no longer used as a water supply
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Actions for protection and evaluation for ORW and reclassification

UPPER LAMOILLE

113	Flagg Pond Wetland Complex	Evaluate for Class I potential
114	Long Pond	Collect additional lakes data and report to support reclassification
115	Page Brook Cedar Swamp	Evaluate for Class I potential

MIDDLE LAMOILLE

116	Zack Woods Pond	Gather data and evidence for reclassification or ORW
117	Schofield Pond	Gather data and evidence for reclassification and protect shoreline from new encroachments
118	Little Elmore Pond	Gather data and evidence for reclassification to B1
119	Molly Bog & Morristown Bog Complex	Evaluate for Class I potential
120	Wolcott Pond	Conserve and protect to prevent degradation to water quality and shoreland and lake habitat
121	North Branch Wetland Complex	Evaluate for Class I potential

LOWER LAMOILLE

122	Sandbar Wetland Complex	Petition for Class I wetland classification
123	Milton Towne Swamp	Evaluate for Class I potential
124	Hidden Swamp	Compile natural resource reports on the swamp and evaluate if wetland meets criteria for potential Class I determination

Town(s)	Stream segment	Activity/ Stressor addressed
Hardwick, Walden	Agricultural segments of watershed	Nutrients, encroachment, channel erosion, land erosion
Hardwick, Walden	Agricultural segments of watershed	Technical assistance and education
Hardwick, Walden	Agricultural segments of watershed	Nutrients, encroachment, channel erosion, land erosion
Cambridge, Johnson, Morristown, Hyde Park, Wolcott, Craftsbury	Agricultural segments of watershed	Nutrients, encroachment, channel erosion, land erosion
Cambridge, Johnson, Morristown, Hyde Park, Wolcott, Craftsbury	Agricultural segments of watershed	Technical assistance and education
Cambridge, Johnson, Morristown, Hyde Park, Wolcott, Craftsbury	Agricultural segments of watershed	Nutrients, encroachment, channel erosion, land erosion

Cambridge, Underhill, Jericho, Essex, Westford, Fletcher, Georgia, Fairfax, Milton	Agricultural segments of watershed	Nutrients, land erosion
Cambridge, Underhill, Jericho, Essex, Westford, Fletcher, Fairfax, Milton	Agricultural segments of watershed	Technical assistance and education
Cambridge, Underhill, Jericho, Essex, Westford, Fletcher, Fairfax, Milton	Agricultural segments of watershed	Nutrients, encroachment, channel erosion, land erosion
Milton		Encroachment, nutrients
Greensboro	Waters downstream of town center	Land erosion, toxics, nutrients
Hardwick	The Lamoille River adjacent to the village of Hardwick	Land erosion, toxics, nutrients
Greensboro		Land Erosion
Walden, Hardwick, Greensboro	All connected surface waters	Nutrients, land erosion, flood resiliency
Stannard	All connected surface waters	Nutrients, land erosion
Craftsbury and Hyde Park	All connected surface waters	Nutrients, land erosion, flood resiliency

Morristown and Morrisville	All connected surface waters	Nutrients, land erosion, flood resiliency
All Lamoille County towns with a focus on Johnson, Hyde Park, and Cambridge	All connected surface waters	Nutrients, land erosion, channel erosion, encroachment
Cambridge, Johnson, Hyde Park	Segments receiving road stormwater runoff waters in priority catchments	Nutrients, land erosion, encroachment
Morrisville	Segments receiving road stormwater runoff	Nutrients, land erosion, encroachment
Wolcott	Lamoille Mainstem	Land erosion, nutrients
Hyde Park, Wolcott	Segments receiving road stormwater runoff in priority catchments	Nutrients, land erosion, encroachment
Belvidere		Nutrients, land erosion
Elmore	Segments receiving road stormwater runoff	Nutrients, land erosion
Johnson		Land erosion, channel erosion
Georgia	Mouth to 2.5 miles upstream Impaired	Nutrients, land erosion
Milton	Tributary discharges into the Lamoille on the west side of the I-89 crossing on the south bank	Nutrients, land erosion
Milton	0.6 miles by falls north and south of Sanderson Rd. Stressed	Nutrients
Milton		Nutrients, land erosion, encroachment

Fairfax, Fletcher, Underhill, Jericho		Nutrients, land erosion
Fletcher, Fairfax, Milton, Georgia, Westford	Segments receiving road stormwater runoff	Nutrients, land erosion, flood resiliency
Milton, Colchester, Westford, Jericho, Underhill, Essex	Segments receiving road stormwater runoff in high priority catchments	Nutrients, land erosion, channel erosion, encroachment
Milton, Colchester, Westford, Jericho, Underhill, Essex	Segments receiving road stormwater runoff	Nutrients, land erosion, flood resiliency

Water corridor protection

Hardwick	Hardwick Lake	Flood resiliency, channel erosion, flow alteration
Greensboro	Caspian Lake outlet	Flow alteration
Walden, Hardwick	Entire stressed segment <i>Stressed</i>	Encroachment, flood resiliency, channel erosion, land erosion
Hardwick	Entire stressed segment <i>Stressed</i>	Encroachment, flood resiliency, channel erosion, land erosion
Wheelock, Stannard, Walden, Hardwick	Entire stressed segment <i>Stressed</i>	Encroachment, flood resiliency, channel erosion, land erosion
Greensboro, Hardwick		Reach 25A to 30B
Wheelock, Walden		Flood resiliency
Hardwick, Stannard, Wheelock, Walden, Greensboro, Craftsbury, Woodbury		Channel erosion, encroachment, flood resiliency, nutrients
Stannard, Walden, Craftsbury		Flood resiliency

Wheelock, Walden		Flood resiliency
Eden, Waterville		Flood resiliency
Eden, Elmore, Wolcott, Johnson, Cambridge, Hyde Park, Morrystown, Belvidere, Waterville		Channel erosion, encroachment, flood resiliency, nutrients
Elmore, Wolcott, Hyde Park, Cambridge, Waterville		Flood resiliency
Eden, Waterville		Flood resiliency, Encroachment
Wolcott, Johnson, Cambridge		Flood resiliency, land erosion, channel erosion, encroachment
Hardwick	Stressed segment – 1.5 miles Stressed	Encroachment, flood resiliency, nutrients, channel erosion, land
Woodbury, Hardwick	Stressed segment – 2.0 miles Stressed	Encroachment, flood resiliency, nutrients, channel erosion, land
Cambridge, Underhill		Channel erosion, encroachment, flood resiliency, nutrients
Morrystown	Focus area where stressors are located	Channel erosion, encroachment, flood resiliency, nutrients
Cambridge	See report	Encroachment, flood resiliency, nutrients, channel erosion, land erosion
Hyde Park	See report	Encroachment, flood resiliency, nutrients, channel erosion, land erosion
Elmore	See report	Encroachment, flood resiliency, nutrients, channel erosion, land erosion
Eden, Hyde Park, Johnson	See report	Encroachment, flood resiliency, nutrients, channel erosion, land erosion

Morristown, Hyde Park		Toxics, encroachment, channel erosion
Wolcott, Craftsbury, Eden		Land erosion, encroachment, channel erosion
Johnson, Cambridge, Fletcher, Fairfax, Georgia, Milton, Colchester		Encroachment, flood resiliency, nutrients, channel erosion, land erosion
Cambridge	Stressed segment – 1.0 miles <i>Stressed</i>	Encroachment, flood resiliency, nutrients, channel erosion, land
Hardwick, Wolcott, Hyde Park, Johnson		Encroachment, flood resiliency, nutrients, channel erosion, land erosion
Georgia, Fletcher, Fairfax,		Channel erosion, encroachment, flood resiliency, nutrients
Fletcher, Fairfax		Flood resiliency
Underhill, Jericho, Essex, Westford	from west of Jericho/Essex line up 7.5 miles and fluvial erosion hazard areas	Land erosion, channel erosion, thermal stress
Westford, Underhill, Jericho, Essex	Lower part of the watershed	Encroachment, nutrients
Milton, Westford, Essex, Underhill, Fairfax, Fletcher		Encroachment, flood resiliency
Westford, Underhill		Channel erosion, encroachment, flood resiliency, nutrients
Milton		Flood resiliency

Milton, Colchester, Westford, Jericho, Underhill, Essex		Channel erosion, flood resiliency
Greensboro		Invasive species
Hardwick, Greensboro, Woodbury		Invasive species
Eden		Invasive species
Elmore		Invasive species
Eden		Invasive species
Eden, Hyde Park, Belvidere, Wolcott		Invasive species
Georgia, Milton		Invasive species
land habitat condition		
Hardwick		Encroachment
Greensboro		Encroachment, land erosion
Greensboro		Encroachment
Woodbury		Encroachment

Woodbury		Encroachment
Elmore		Encroachment
Eden		Encroachment, land erosion, nutrients
Eden		Encroachment, land erosion, nutrients
Eden		Encroachment, land erosion
Wolcott		Encroachment
Milton		Encroachment
Waste Sites		
Eden	Hutchins Brook - river mile 2.0 to 3.0, Trib 4 - river mouth to river mile 0.3, Dark Branch - entire segment 3.3 miles	Restoration, Toxics
Eden, Johnson	0.4 miles Stressed	Restoration, Toxics
Waterville		Toxics (Volatile Organic Compounds)

Morristown	0.5 miles Stressed	Restoration, Iron
Morristown	Mouth to river mile 0.6 Impaired	Toxics
Cambridge	miles Impaired	Restoration, Iron
Milton	River mile 0.4 to 0.7 Impaired	Restoration, Toxics
Georgia	Mouth to 2.5 miles upstream Impaired	Nutrients, land erosion
Milton, Colchester	Mouth to Clarks Falls Dam 8.5 miles Impaired	Toxics
Greensboro		Assess, restore, flow-alteration
Hardwick		Assess, restore, flow-alteration
Hardwick, Wolcott, Morristown	Below Pottersville dam to Lake Lamoille 15.7 miles Altered	Assess, restore, flow-alteration
Morristown	0.5 miles	Assess, dam removal, flow-alteration
Milton, Colchester	From Clarks Falls to Route 2 bridge 6 miles Impaired	Assess, flow-alteration
Hardwick	Unnamed tributary to the Lamoille River and all waters in its watershed in Hardwick upstream of the water intake	Reclassification

Fairfax	Unnamed tributary to the Lamoille River and all waters in its watershed in Fairfax upstream of the water intake	Reclassification
ation		
Wheelock		Protection, assess
Greensboro		Protection, monitor, assess
Wheelock, Sheffield		Protection, assess
Hyde Park, Wolcott		Protection, assess
Hyde Park		Protection, assess
Elmore		Protection, assess
Morristown		Protection, assess
Wolcott		Protect
Belvidere		Protection, assess
Milton, Colchester		Protection
Milton, Westford		Protection, monitor, assess
Milton, Westford		Protection, assess

Source	Current or Potential Partners
LC TMDL Modeling Tools	AAFM, NRCS, CCNRCD, FSA
LC TMDL Modeling Tools	AAFM, NRCS, VDEC, CCNRCD, UVM Extension
LC TMDL Modeling Tools	AAFM, NRCS, VDEC, CCNRCD
LC TMDL Modeling Tools	AAFM, NRCS, LCCD, FSA
LC TMDL Modeling Tools	AAFM, NRCS, VDEC, NRCDs, UVM Extension
LC TMDL Modeling Tools	AAFM, NRCS, VDEC, LCCD

LC TMDL Modeling Tools	AAFM, NRCS, VDEC, UVM Extension, FSA
LC TMDL Modeling Tools	AAFM, NRCS, VDEC, NRCDS
LC TMDL Modeling Tools	AAFM, NRCS, VDEC, WNRCD
VDEC – Lakes and Ponds	AAFM, NRCS
Town of Greensboro select board	Town of Greensboro, ORNRCD, AOT Better Roads, VDEC
Stormwater Master Planning, VDEC - Stormwater Mapping Reports	Town of Hardwick, CCNRCD, VDEC
Caspian Lake Feeder Stream Study	Town of Greensboro, VDEC – Stormwater, Greensboro Land Trust
LC TMDL Modeling Tools	NVDA, Municipalities, VDEC, CCNRCD, AOT Better Roads
VDEC Field identification	VDEC, CCNRCD, Town of Stannard
Road Erosion Inventories, LC TMDL Modeling Tools	Towns of Craftsbury and Hyde Park, VDEC, LCPC, LCCD, AOT

LC TMDL Modeling Tools	Town of Morristown VDEC, LCCD, AOT Better Roads
Road Erosion Inventories, Lamoille County Road Erosion Inventories, LC TMDL Modeling Tools	VDEC, LCPC, Municipalities
Stormwater Master Planning, VDEC - Stormwater Mapping Reports, LC TMDL Modeling Tools	VDEC, LCCD, LCPC, Towns of Cambridge, Hyde Park, and Johnson
Stormwater Master Planning, VDEC - Stormwater Mapping Reports	VDEC, LCCD, Town of Morristown
VDEC, AOT	Town of Wolcott, VDEC, LCPC
Stormwater Mapping in Basin 7, VDEC - Stormwater Mapping Reports	VDEC, LCPC, LCCD, Towns of Hyde Park and Wolcott
VDEC Field identification	VDEC, LCPC, Town of Belvidere
VDEC Field identification	VDEC, LCPC, LCCD, Town of Elmore
Lamoille Stormwater Alternatives Project - Johnson State College Project Final Report	VDEC, LCCD, Johnson State College
Deer Brook Gully Remediation and Stormwater Treatment	VDEC, NRPC, Town of Georgia, Georgia Conservation
VDEC Field identification	VDEC, VTrans
VDEC Water Quality Assessment Report, 2016 Stressed Waters List	VDEC, WNRCD, CCRPC, Town of Milton
Stormwater Master Planning, Milton Stormwater Management Plan, VDEC Stormwater Program	VDEC, Town of Milton, CCRPC

Stormwater Master Planning, VDEC - Stormwater Mapping Reports, LC TMDL Modeling Tools	VDEC – CWIP, Municipalities, CCRPC, NRPC
LC TMDL Modeling Tools	Municipalities, VDEC, CCRPC, NRPC, AOT Better Roads
Road Erosion Inventories, LC TMDL Modeling Tools	VDEC, CCRPC, Municipalities
Chittenden County and Municipal Hazard Mitigation Plans	Municipalities, CCRPC, VDEC, AOT Better Roads
Dam safety report	Town of Hardwick, Hardwick Electric, VDEC, CCNRCD, USFW, Army Corps of Engineers
VDEC Rivers Program and Greensboro Land Trust site visit	VDEC, Greensboro Land Trust, Hardwick Electric
VDEC Water Quality Assessment Report, 2016 Stressed Waters	VDEC – Rivers, CCNRCD, NVDA
VDEC Water Quality Assessment Report, 2016 Stressed Waters	VDEC – Rivers, CCNRCD, NVDA
VDEC Water Quality Assessment Report, 2016 Stressed Waters	VDEC – Rivers, CCNRCD, NVDA
Upper Lamoille River Phase 2 SGA	
Municipal Protection Matrix, ERAF database	NVDA, Municipalities, VDEC - Rivers
Municipal Protection Matrix, ERAF database	NVDA, CVRPC, municipalities, VDEC – Rivers
Municipal Protection Matrix	NVDA, municipalities, VDEC – Rivers

Municipal Protection Matrix	NVDA, municipalities, VDEC – Rivers
Municipal Protection Matrix, ERAF database	LCPC, Municipalities, VDEC - Rivers
Municipal Protection Matrix, ERAF database	LCPC, municipalities, VDEC – Rivers
Municipal Protection Matrix	LCPC, municipalities, VDEC – Rivers
Municipal Protection Matrix	NVDA, municipalities, VDEC – Rivers
RPC, Towns flooding history, High Meadows Project, Wild Branch River Corridor Plan	LCPC, Towns of Wolcott, Johnson, Cambridge
2016 Stressed Waters List	VDEC – Rivers, CCNRCD, Town of Hardwick
2016 Stressed Waters List	VDEC – Rivers, CCNRCD, CCRPC Towns of Hardwick and
VDEC Water Quality Assessment Report, 2016 Stressed Waters List	VDEC – Rivers, LCPC
VDEC	VDEC – Rivers, LCPC
2015 Brewster River River Corridor Plan	VDEC – Rivers, LCPC, LCCD, Town of Cambridge, Smugglers Notch Resort
2010 Centerville Brook River Corridor Plan	VDEC – Rivers, LCPC, LCCD, Town of Hyde Park
2009 Elmore Branch River Corridor Plan	VDEC – Rivers, LCPC, LCCD, Town of Elmore
2009 Gihon River River Corridor Plan	VDEC – Rivers, LCPC, LCCD, Towns of Eden, Hyde Park, and Johnson

Rodman Brook River Corridor Plan	VDEC Rivers, VFWD, LCCD, LCPC, Towns of Morristown and Hyde Park
Wild Branch River Corridor Plan	VDEC Rivers, VFWD, LCCD, LCPC, Towns of Morristown and Hyde Park
VDEC, LCCD, LCPC	VDEC – Rivers, LCPC, LCCD, Municipalities
VDEC - Rivers	VDEC – Rivers, LCPC, LCCD, VRC, Landowners
VDEC, LCCD, Lamoille HUC 2 River Corridor Plan	VDEC – Rivers, LCPC, LCCD, Municipalities
Municipal Protection Matrix, ERAF database	NRPC, municipalities, VDEC – Rivers
Municipal Protection Matrix	LCPC, municipalities, VDEC – Rivers
Browns River Corridor Plans, 2016 Stressed Waters List, Chittenden County and Municipal Hazard Mitigation Plans	CCRPC, WNRCD, VDEC - Rivers
NRCS Wetland Restoration Identification, VDEC	VDEC, TNC, USFW, NRCS, AAFM
VDEC, VSWI	VDEC, CCRPC, WNRCD, Municipalities, Conservation Commissions
Municipal Protection Matrix, ERAF database	CCRPC, municipalities, VDEC – Rivers
Municipal Protection Matrix	CCRPC, municipalities, VDEC – Rivers

Chittenden County and Municipal Hazard Mitigation Plans	Municipalities, CCRPC, VDEC, AOT Better Roads
VDEC – Lakes and Ponds	VDEC Public Access Greeter Program
VDEC – Lakes and Ponds	VDEC-Lakes and Ponds
VDEC – Lakes and Ponds	VDEC Lakes and Ponds, Town of Eden, Pond User Group
VDEC – Lakes and Ponds	VDEC Public Access Greeter Program
VDEC – Lakes and Ponds	VDEC Public Access Greeter Program
VDEC – Lakes and Ponds	VDEC Lakes and Ponds
VDEC – Lakes and Ponds	VDEC Lakes and Ponds, Georgia and Milton Conservation Commissions
VDEC – Lakes and Ponds	VDEC – Lakes and Ponds Monitoring and LakeWise Program, Town of Hardwick
VDEC – Lakes and Ponds	VDEC – Lakes and Ponds Monitoring and LakeWise Program, Town of Greensboro, Greensboro Land Trust
VDEC – Lakes and Ponds	VDEC – Lakes and Ponds Monitoring, VFWD
VDEC – Lakes and Ponds	VDEC – Lakes and Ponds Monitoring

VDEC – Lakes and Ponds	VDEC – Lakes and Ponds Monitoring
VDEC – Lakes and Ponds	VDEC – Lakes and Ponds Monitoring and LakeWise Program, Elmore Lake Association, VDFPR, LCPC
VDEC – Lakes and Ponds, VDEC Field identification	VDEC – Lakes and Ponds Monitoring and LakeWise Program; Lake Eden Lake Association, Town of Eden, LCPC
VDEC – Lakes and Ponds	VDEC – Lakes and Ponds Monitoring and LakeWise Program
VDEC – Lakes and Ponds	VDEC – Lakes and Ponds Monitoring and LakeWise Program, Johnson State College
VDEC – Lakes and Ponds	VDEC- Lakes and Ponds LakeWise Program, Private landowners
VDEC – Lakes and Ponds	VDEC- Lakes and Ponds LakeWise Program
VDEC Water Quality Assessment Report, 2016 List of Priority Waters, Landfills & Hazardous Waste Sites	VDEC
VDEC Water Quality Assessment Report, 2016 Stressed Waters	VDEC, Landowners
Landfills & Hazardous Waste Sites	VDEC, Landowners

VDEC Water Quality Assessment Report, 2016 Stressed Waters	VDEC, VDFPR, LCCD
VDEC Water Quality Assessment Report, 2016 Stressed Waters List, Landfills & Hazardous Waste	VDEC – Hazardous Waste, Landowners
VDEC Water Quality Assessment Report, 2016 List of Priority	VDEC, Smugglers Notch Resort
VDEC Water Quality Assessment Report, 2016 List of Priority	VDEC, Town of Milton
Deer Brook Gully Remediation and Stormwater Treatment	VDEC, NRPC, Town of Georgia, Georgia Conservation
2016 List of Priority Waters	VDEC, VFWD
VDEC - Rivers Program, Lakeshore landowners, Dams and Flow-Altered Waters	VDEC- Rivers and Lakes & Ponds Program, Hardwick Electric, Concerned lakeshore landowners
VDEC - Rivers and Dam Safety Programs, Dams and Flow-Altered Waters	VDEC - Rivers and Dam Safety Programs, Hardwick Electric, CCNRCD, Town of Hardwick
2016 List of Priority Waters, Dams and Flow-Altered Waters	VDEC - Rivers, Hardwick Electric
2016 Stressed Waters List, Dams and Flow-Altered Waters	VDEC - Rivers, Wetlands, & MAPP; VFPR
2016 List of Priority Waters	VDEC – Rivers, CVPS
VT Water Quality Standards, Existing Uses	Town of Hardwick, NVDA, VDEC

VT Water Quality Standards, Existing Uses	Town of Fairfax, NRPC, VDEC
VDEC – Lakes and Ponds	VDEC, VFWD, VFPR
VDEC – Lakes and Ponds	VDEC – Lakes and Ponds, Greensboro Land Trust, Town of Greensboro
VDEC Water Quality Assessment Report	VDEC – Wetlands
VDEC – Lakes and Ponds	VDEC – Lakes and Ponds, Friends of Green River Reservoir, VFPR
VDEC – Lakes and Ponds	VDEC – Lakes and Ponds, Town of Hyde Park
VDEC – Lakes and Ponds	VDEC - Lakes and Ponds, Town of Elmore
VDEC Water Quality Assessment Report	VDEC - Wetlands, Morristown Conservation Commission
VDEC – Lakes and Ponds	VDEC, Town of Wolcott, LCPC, LCCD, Friends of Wolcott Pond
VDEC, Town of Belvidere	Town of Belvidere, VDEC - Wetlands
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
Town of Westford, Lower Lamoille Watershed, Basin 7 Watershed Assessment Report	VDEC - Wetlands, Towns of Milton and Westford
Town of Westford	Towns of Milton and Westford, VDEC - Wetlands

Table #	Waterbody	Project Description
UPPER LAMOILLE		
1	Greensboro Brook	New monitoring site
2	Stannard Brook	Monitoring update
3	Lamoille River	Additional fish monitoring
4	Tucker Brook	New monitoring site
5	Haynesville Brook	New monitoring site
6	Porter Brook	New monitoring site
	Flagg Pond Cedar Swamp	Wetland assessment
7	Long Pond	Collect additional lakes data and report to support reclassification
	Page Brook Cedar Swamp	Wetland assessment
MIDDLE LAMOILLE		
8	Centerville Brook	New monitoring site
9	Waterman Brook	Additional fish monitoring at alternate site
10	Foote Brook	Additional bug and fish monitoring
11	Rattling Brook	New monitoring site – potential high quality water
12	Calavale Brook	New monitoring site – potential high quality water
13	Basin Brook	Site sampled once in 1992. Density and richness metrics were not meeting goals.
14	North Branch Lamoille River	Site sampled for bugs in 2013, need more data for reclassification
15	Wild Brook (to Gihon R)	New monitoring site – potential high quality water

16	White Branch (to Gihon R)	New monitoring site – potential high quality water
17	Gihon River	New monitoring site for lower part of the river
19	Kenfield Brook	Additional fish and bug data for each site
19	Mud Brook	Re-sample 2002 site, need
20	Rodman Brook	Continue monitoring after restoration
21	Wild Branch	Sample river mile 0.1 and one site upstream
22	Green River	Sample a second time for fish and macroinvertebrates
23	Little Elmore Pond	Assess water quality
24	Big Muddy Pond	Assess water quality and AIS
25	Ritterbush Pond	Assess water quality
26	Long Pond	Assess shoreland and lake habitat
27	Mud Pond	Assess water quality and AIS
28	Lake-of-the-Clouds	Continue to monitor for acidity
29	Lake Lamoille	Assess water quality and shoreland and lake habitat
30	North Branch Wetland Complex	Wetland Assessment
31	Molly Bog & Morrystown Bog Complex	Wetland Assessment
LOWER LAMOILLE		
32	Lamoille River	Continue to monitor at RM 19.3, need additional bug data for reclassification
33	Stones Brook	New monitoring site – need data to assess nutrient enrichment
34	Stevensville Brook	Site last sampled for bugs in 2007, need more data for current status
35	Streeter Brook	New monitoring site – need data to assess stressed site upstream

36	Beaver Meadow Brook	New monitoring site(s)
37	Silver Lake	Assess water quality and aquatic invasive species
38	Arrowhead Mountain Lake	Assess shoreline condition
39	Round Pond	Review shoreline data for recommendations on decreasing trend
40	Lamoille Trib #4	Continue to monitor sites associated with landfill and
41	Lee River	Need one more data point for bugs and fish for potential reclassification
42	Deer Brook	Sample below Deer Brook Gully if remediation measures are implemented before sampling rotation
43	Towne Swamp	Wetland Assessment

Town(s)	Stream segment	Activity/ Stressor addressed
Greensboro, Hardwick	At least one site on segment	Protection, monitor, assess
Stannard	River mile 3.0, Stressed	Encroachment, channel erosion, land erosion
Greensboro	River mile 80.8	Protection, monitor, assess
Hardwick	One site on segment closer to route 14 Stressed	Channel erosion, land erosion, encroachment
Walden, Hardwick	Two sites; one in forested area upstream in Walden and second along Route 15 in Hardwick Stressed	Encroachment, channel erosion, land erosion
Hardwick	At least one site	Encroachment
Wheelock		Protection, monitor, assess
Greensboro		Protection, monitor, assess
Wheelock, Sheffield		Protection, monitor, assess
Hyde Park, Morrisville	Site near Depot Street	Encroachment, nutrients, erosion
Johnson	Close to river mile 1.2	Protection, monitor, assess
Johnson	River mile 2.6	Protection, monitor, assess
Belvidere	Above confluence with the North Branch	Protection, monitor, assess
Belvidere	Above confluence with the North Branch	Protection, monitor, assess
Belvidere	River mile 0.5	Re-evaluate
Waterville	River mile 2.0	Protection, monitor, assess
Johnson	Upstream of confluence with Gihon River above 100C	Protection, monitor, assess

Eden	Above confluence with the Gihon River	Protection, monitor, assess
Johnson		Monitor, assess
Morristown	River miles 0.2 and 1.5	Monitor, assess
Morristown	0.5 miles <i>Stressed</i>	Monitor, assess
Morristown	0.6 miles <i>Impaired</i>	Monitor, assess
Wolcott	River mile 0.1	Monitor, assess
Hyde Park	River mile 2.9	Protection, monitor, assess
Elmore		Protection, monitor, assess
Eden		Monitor, assess
Eden		Monitor, assess
Eden		Monitor, assess
Hyde Park		Monitor, assess
Cambridge		Monitor
Morristown		Monitor, assess
Belvidere		Protection, monitor, assess
Morristown		Protection, monitor, assess
Georgia, Fairfax, Fletcher, Cambridge	River mile 15.7 to 33.5	Monitor, assess
Fletcher	Headwaters	Monitor, assess
Underhill, Stowe	3.0 miles from headwaters downstream <i>Stressed</i>	Acidity, channel erosion
Milton	RM 0.6 and another site upstream of sub-division	Monitor, assess

Underhill, Westford, Fairfax	One or two new sites in Westford and Fairfax	Monitor, assess
Georgia		Monitor, assess
Georgia, Milton		Monitor, assess
Milton		Monitor, assess
Milton	River mile 0.4 to 0.7 Impaired	Monitor, assess / metals
Jericho	River mile 2.8	Monitor, assess
Georgia	Below "Deer Brook Gully"	Monitor, assess
Milton, Westford		Protection, monitor, assess

Source	Current or Potential Partners
VDEC Water Quality Assessment Report	VDEC - Monitoring
VDEC Water Quality Assessment Report	VDEC - Monitoring
VDEC Water Quality Assessment Report	VDEC - Monitoring
VDEC Water Quality Assessment Report	VDEC - Monitoring
VDEC Water Quality Assessment Report	VDEC - Monitoring
VDEC Water Quality Assessment Report	VDEC - Monitoring
VDEC Water Quality Assessment Report	VDEC - Monitoring
VDEC Water Quality Assessment Report	VDEC – Wetlands Biomonitoring
VDEC – Lakes and Ponds	VDEC – Lakes and Ponds, Greensboro Land Trust, Town of Greensboro
VDEC Water Quality Assessment Report	VDEC – Wetlands Biomonitoring
VDEC Water Quality Assessment Report	VDEC - Monitoring
VDEC Water Quality Assessment Report	VDEC - Monitoring
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VDEC Water Quality Assessment Report	VDEC - Monitoring
VDEC Water Quality Assessment Report	VDEC - Monitoring
VDEC Water Quality Assessment Report	VDEC - Monitoring
VDEC Water Quality Assessment	VDEC - Monitoring
VDEC Water Quality Assessment Report, 2016 Stressed Rivers List	VDEC - Monitoring
VDEC Water Quality Assessment Report, 2016 Stressed Waters List, Wild Branch River Corridor Plan	VDEC - Monitoring
VDEC Water Quality Assessment Report	VDEC - Monitoring
VDEC – Lakes and Ponds	VDEC - Lakes and Ponds, Town of Elmore
VDEC – Lakes and Ponds	VDEC – Lakes and Ponds, Johnson State College
VDEC – Lakes and Ponds	VDEC – Lakes and Ponds, Johnson State College
VDEC – Lakes and Ponds	VDEC – Lakes and Ponds
VDEC – Lakes and Ponds	VDEC – Lakes and Ponds
VDEC Water Quality Assessment Report	VDEC - Monitoring
VDEC – Lakes and Ponds	VDEC – Lakes and Ponds, Monitoring and LakeWise Program
VDEC, Town of Belvidere	Town of Belvidere, VDEC - Wetlands Biomonitoring
VDEC Water Quality Assessment Report	VDEC - Wetlands Biomonitoring, Morristown Conservation Commission
VDEC Water Quality Assessment Report	VDEC - Monitoring
VDEC – Lakes and Ponds	VDEC - Monitoring
VDEC Water Quality Assessment Report, 2016 Stressed Waters List	VDEC - Monitoring
VDEC Monitoring Data	VDEC - Monitoring

VDEC Water Quality Assessment Report	VDEC - Monitoring
VDEC – Lakes and Ponds	VDEC – Lakes and Ponds
VDEC – Lakes and Ponds	VDEC – Lakes and Ponds
VDEC – Lakes and Ponds	VDEC – Lakes and Ponds
VDEC Water Quality Assessment Report, 2016 Priority Waters List	VDEC, Town of Milton
VDEC Water Quality Assessment Report	VDEC - Monitoring
2016 Priority Waters List	VDEC - Monitoring
Lower Lamoille Watershed; Basin 7 Watershed Assessment Report	VDEC, Towns of Milton and Westford

#	Waterbody	Project Description
PROJECT IDENTIFICATION, DEVELOPMENT, AND IMPLEMENTATION		
Actions to address agricultural stressors		
1	Lamoille Watershed with a focus on priority catchments	Establish Conservation Tillage/Cover Cropping Program for high priority sites along the Lamoille River
Actions to address stormwater issues		
2	Middle Lamoille	Regional Hydroseeder Program
3	Entire Watershed	Design and implement high priority projects identified in stormwater master plans and stormwater mapping reports
Actions to encourage stream equilibrium and wetland and river corridor protect		
4	Basinwide with a focus on target towns	Protect river corridors to support flood resiliency and river equilibrium in target areas
5	Lamoille River	Assess and catalogue VFWD riparian/streambank parcels for streambank protection and potential easement opportunities
Actions to address invasive species		
6	Entire Basin	Identify and treat purple loosestrife populations in wetlands and riparian areas
7	Identified Lakes and Ponds	Assess AIS on lakes and ponds with no data
Actions to Support Recreation Uses		
8	Lamoille River	Increase recreational access to the Lamoille River – upgrade and establish access areas, portage trails and river campsites; develop and implement MWL area recreational plan which includes portages, access improvements and camp sites
9	Lamoille River	Assess and catalogue VFWD riparian/streambank parcels for recreational opportunities
Actions to Address Forests and Water Quality		
10	Basinwide	Protect headwaters and sensitive surface waters in large forest blocks through conservation easement and land acquisition
11	Basinwide	Continue and expand the Portable Skidder Bridge Program where needed
12	Basinwide	Identify critical sources areas and sensitive surface water sites on UVA parcels
Actions for protection and evaluation for ORW and reclassification		

13	Basinwide	Complete monitoring to assess streams with exceptional ecological integrity for reclassification
14	Lamoille River	Evaluate for ORW

Town(s)	Stream segment
All towns with priority catchments	Watershed wide
Regional	
All towns with stormwater mapping and master plans	
ion	
Hardwick, Wolcott, Johnson, Cambridge, Jeffersonville, Westford	
Multiple	Lamoille mainstem
Multiple	
Multiple	
Multiple	Lamoille mainstem from headwaters to mouth
Multiple	Lamoille mainstem
Belvidere, Waterville, Lowell, Eden, Johnson, Hyde Park, Underhill, Jericho, Elmore, Wheelock, Stannard, Walden	Headwaters and sensitive surface waters in target areas
All areas with forest management and timber harvest	
All towns	All surface water sensitive to erosion

Multiple	All surface waters identified in Table x
Multiple	River mile 15.7 to 80.8

Activity/ Stressor addressed	Source
Land erosion, nutrients	LC TMDL Modeling Tools
Land erosion, nutrients	LCCD, Municipalities
Land erosion, nutrients	LC TMDL Modeling Tools, Stormwater mapping and master plan reports
Land erosion, encroachment, channel erosion	VDEC SGA and River Corridor Mapping, RPC Flood Resiliency Program
Recreation, protection	VFWD, VDEC, Existing Uses, Appendix F
Invasive species	VDEC, LCCD, USFW
Invasive species	VDEC – Lakes and Ponds
Recreation	Lamoille River Paddlers’ Trail Inventory and Assessment
Recreation, protection	VFWD, VDEC, Existing Uses, Appendix F
Land erosion, encroachment	VFWD
Land erosion, channel erosion, encroachment	VDFPR
Land erosion, channel erosion, encroachment	VDEC

Assess, protection	VDEC, Rivers - Biological Integrity
Assess, protection	DEC Biomonitoring Data, Lamoille River Paddlers' Trail: Cambridge to Colchester Inventory and Assessment, Lamoille Uses and Values by McArdle

Potential Partners

AAFAM, NRCS, VDEC, LDDC, WNRCD

LCCD, VDEC

Municipalities, RPCs, VDEC, NRCDs

VDEC - Rivers, LCPC, CNRCD,

VDEC, VFWD

LCCD, USFW

VCED – Lakes and Ponds, Eco-Americorp

LRPT, VDEC, VFWD, RPCs, NRCDs, MWL

VDEC, VFWD

VDEC, VDFPR, VDFW, Towns, Private Landowners, VLT, TNC

VDFPR, LCCD, VACD

VDEC, VDFPR

VDEC - MAPP

VDEC, LPTA