

Conformance Analysis of Goals & Objectives: Basin 9 Draft Tactical Basin Plan to the CV Regional Plan

*Draft Winooski River Tactical
Basin Plan, dated 7/02/2018*

2016 Central Vermont Regional Plan, amended 2018

*Top Objectives and Strategies
(page ix)*

Goals, Policies, & Actions (as contain through out the Plan)

Protect river corridors and floodplains to increase flood resilience and allow rivers to reach equilibrium

Future Land Use Planning Areas Policies: 1. In order to maintain the existing settlement patterns, higher density residential, commercial, and industrial development should be located in Regional Centers and Town Centers. 10. Identify key areas with flood storage capacity and encourage floodplain protection measures such as land acquisition or restrictive land use regulation in areas upstream of Regional and Town Centers.

Industrial Land Use Planning Area Policies: 1. Industrial uses are encouraged to locate first in existing industrial areas and secondly in industrial areas assigned in municipal plans which are in accordance with the goals and policies included in this plan.

Mixed-Use Commercial Land Use Planning Policies: 1. Encourage the transformation of existing commercial areas into areas serving a mix of uses, including residential, and offering diversified transportation options, while also conforming to traditional historic development patterns.

General Land Use Goals, Policies, and Strategies: Goal 1: To promote sound management, conservation and use of the Region's natural resources 5. Avoid or limit development and investment in identified flood hazard areas. Where established economic and institutional centers exist, development in these centers shall adhere to strict floodplain management standards to minimize flood damage and public safety risk. Strategy 5b. Encourage and provide technical assistance to municipalities in enhancing the regulatory standards in their municipal flood hazard regulations, including the incorporation of River Corridor regulations. Strategy 5e. Assist municipalities in identifying and limiting development on lands adjacent to waterways that provide flood storage or other beneficial function through acquisition, easement, deed restriction or zoning that encourages cluster design, particularly for those upstream floodplains that provide flood protection functions for the Region 's downtowns and village centers.

Facilities, Services and Utilities Goals, Policies and Strategies: EMERGENCY MANAGEMENT GOALS: 1. To build disaster resistant communities in Central Vermont through sound emergency planning and management. 2. To ensure that all communities in Central Vermont have the appropriate information, resources, and tools to respond to disaster events and recover from their impacts. Policies: 6. Discourage residential, commercial, or residential development in floodplains.

<p>Increase knowledge of water quality conditions in the basin, including the identification of high quality lakes</p>	<p><u>General Land Use Goals, Policies, and Strategies:</u> Goal 1: To promote sound management, conservation and use of the Region's natural resources. Policies: 3. Support the betterment of surface water quality in the Region. 6. Improve flood resilience planning, education and outreach activities to create a citizenry aware of flood risks, potential costs, and actions that can serve to reduce risk and future property loss.</p>
<p>Implement agricultural Best Management Practices (BMPs)</p>	<p><u>General Land Use Goals, Policies, and Strategies:</u> Goal 1: To promote sound management, conservation and use of the Region's natural resources. Policies: 3. Support the betterment of surface water quality in the Region. Strategy 3a. Storage and utilization of fertilizers, pesticides, petro-chemicals, herbicides, sludge, or other potentially harmful industrial, agricultural, commercial or residential materials, must be accomplished in a manner compatible with existing regulations. Goal 7: To manage the quality and quantity of storm water runoff in order to avoid property damage and negative impacts on surface and groundwater. Policies: 3. Acceptable Management Practices (AMP's, as defined by the Vermont Agency of Natural Resources) should be employed on all agricultural, silvacultural and earth extraction operations.</p>
<p>Resolve E. coli impairments in along Winooski between Plainfield and Cabot, Huntington, Mad Rivers and Allen Brook</p>	<p><u>General Land Use Goals, Policies, and Strategies:</u> Goal 1: To promote sound management, conservation and use of the Region's natural resources. Policies: 3. Support the betterment of surface water quality in the Region. 4. Encourage enhanced educational opportunities on watershed functions, protection and restoration, particularly those targeted to youth. <u>Facilities, Services and Utilities Goals, Policies and Strategies:</u> WASTEWATER TREATMENT GOAL: Improvement and expansion of wastewater treatment facilities and options so as to protect public health, maximize public investment, and reinforce desired patterns of growth. Policies: 3. Encourage continued efforts to improve water quality through the separation of combined sewers or other method to ameliorate the harmful impacts of combined sewer overflows</p>
<p>Manage stormwater from developed areas through the development and implementation of stormwater master plans and Flow Restoration Plans in MS4 communities</p>	<p><u>General Land Use Goals, Policies, and Strategies:</u> Goal 7: To manage the quality and quantity of storm water runoff in order to avoid property damage and negative impacts on surface and groundwater. Policies: 1. New development should, through design and maintenance, attempt to minimize changes in the volume and chemical composition of runoff. (The strategy includes a bulleted list of recommended methods on page 2-44) 2. Structural Best Management Practices (BMP's) should be used, as appropriate, to control storm water on new development sites before, during and after construction, including plans for long term maintenance and operations. (The strategy includes a bulleted list of objectives and applications on page 2-44.) 4. Efforts should be made to minimize the extent of impervious surfaces and surface runoff associated with parking facilities. (The strategy includes a bulleted list of recommended methods on page 2-44.) 5. Municipalities should consider adopting policies and practices to reduce the volume and impacts of storm water runoff,... (The strategy includes a bulleted list of policies and practices on page 2-44.)</p>

Improve littoral zone habitat along Kingsbury Branch

General Land Use Goals, Policies, and Strategies: Goal 1: To promote sound management, conservation and use of the Region's natural resources. Policies: 3. Support the betterment of surface water quality in the Region. Strategy 3d. Native vegetated buffer strips in riparian zones and shoreland areas should be protected or maintained according to Best Management Practices outlined in the Vermont Handbook for Shoreland Development and VT ANR Guidance Regarding Riparian Buffers to protect functional habitat and improve water quality. Strategy 3g. Assist landowners in identifying funding opportunities to support buffer plantings on their properties that would support stream bank and shoreland restoration. **Facilities, Services and Utilities Goals, Policies and Strategies:** WASTEWATER TREATMENT GOAL: Improvement and expansion of wastewater treatment facilities and options so as to protect public health, maximize public investment, and reinforce desired patterns of growth. Policies: 13. CVRPC encourages the use of shoreline zoning powers (24 V.S.A., Chapter 117, and Section 4411), in compliance with the Vermont Shoreland Protection Act, to regulate the design of sanitary facilities on lands adjacent to surface waters.

Inventory and prioritize municipal road erosion features that discharge into surface water and implement high priority actions in existing road erosion inventoried sites

Transportation Goals and Policies: Goal 2: To preserve and maintain the existing transportation system. Policies: 1. Support the necessary steps for evaluating, prioritizing, and implementing preventive maintenance programs for all elements of the transportation system. Goal 5: To establish a transportation system that minimizes consumption of resources and maximizes the protection of the environment. Policies: 1. Support efforts to minimize negative environmental impacts associated with the transportation system (including air quality, noise levels, surface water, vegetation, agricultural land, fragile areas, and historical/archaeological sites).

Provide technical and as available, financial assistance to wastewater treatment facilities

Facilities, Services and Utilities Goals, Policies and Strategies: WASTEWATER TREATMENT GOAL: Improvement and expansion of wastewater treatment facilities and options so as to protect public health, maximize public investment, and reinforce desired patterns of growth. Policies: 4. Support efforts to upgrade components of aging wastewater systems to address depreciation, improve energy efficiency and increase flood resilience of the Region's systems. 4B. Perform outreach to municipalities whose systems are approaching 20-yr design life and connect local operators/commissions with available technical assistance.

Prioritize wetland and floodplain restoration projects

General Land Use Goals, Policies, and Strategies: Goal 1: To promote sound management, conservation and use of the Region's natural resources. Policies: 3. Support the betterment of surface water quality in the Region. Strategy 5d. Wetlands that provide a flood storage function as determined by the VT Wetlands Program should be left undisturbed or development should be required to provide compensatory storage or restoration on-site or in the immediate vicinity, if disturbed. Goal 4: To protect environmentally sensitive or unique areas. Policies: 8. It is the policy of CVRPC to encourage the preservation of wetlands so as to protect their function and productivity. Efforts (including consideration of site design options) should be made to mitigate against the possible adverse impacts of development on the Region's wetlands.

Prioritize remediation of forest roads and log landings with high erosion risk

General Land Use Goals, Policies, and Strategies: Goal 7: To manage the quality and quantity of storm water runoff in order to avoid property damage and negative impacts on surface and groundwater. Policies: 3. Acceptable Management Practices (AMP's, as defined by the Vermont Agency of Natural Resources) should be employed on all agricultural, silvacultural and earth extraction operations.

Assist municipalities in identifying areas of landslide hazards for benefit of future development

General Land Use Goals, Policies, and Strategies: Goal 1: To promote sound management, conservation and use of the Region's natural resources. Policies: 6. Improve flood resilience planning, education and outreach activities to create a citizenry aware of flood risks, potential costs, and actions that can serve to reduce risk and future property loss. Strategy 6a. Continue to assist municipalities in developing local hazard mitigation plans and flood resilience elements as part of municipal plans. **Facilities, Services and Utilities Goals, Policies and Strategies:** EMERGENCY MANAGEMENT GOALS: 1. To build disaster resistant communities in Central Vermont through sound emergency planning and management. 2. To ensure that all communities in Central Vermont have the appropriate information, resources, and tools to respond to disaster events and recover from their impacts. Policies: 3. Encourage municipalities to undertake and periodically review an all-hazards assessment in their community to identify potential hazards and the at-risk people and property. [Note: While landslide not explicated mentioned in a Goal or Policy, the Emergency Management section of the Facilities, Services and Utilities Chapter states that "[I]n Central Vermont, the most common types of natural disasters include: floods, winter storms, hurricanes, landslides, wildfires, earthquakes, and even tornadoes."(page 5-35)]