

Central Vermont Regional Planning Commission – Clean Water Advisory Committee

14 March 2024

Agenda

4:00 Call to order & Roll call

4:05 Approve November CWAC minutes (action)

4:10 Updates to agenda

4:15 Public Comment

4:20 Lake Wise Assessments & Lake Watershed Action Plans (presentation)

4:50 Presenter Q & A (discussion)

5:05 Upper Winooski potential flood mitigation projects (discussion)

5:30 FY25 Tactical Basin workplan (discussion)

5:50 Announcements

6:00 Adjourn

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Lake Wise Assessments & Lake Watershed Action Plans

Presenters:

- Alison Marchione, Department of Environmental Conservation
- Adelaide Dumm, Winooski Natural Resources Conservation District

Project Partners:

- Becky Tharp, Just Water Consulting, LLC
- Dana Allen, FluidState Consulting

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Upper Winooski Potential Flood Mitigation; Project Identification

- ◆ Flood mitigation project analysis:
 - ◆ Projects identified in River Corridor Plans by Regional Plan Committee member
 - ◆ Staff confirmed project status using [Watershed Project Database](#)
 - ◆ Projects organized by phase, type, potential partners, and potential funding
- ◆ Upper Winooski River Corridor Plans: Cabot, Marshfield, Plainfield to Montpelier, and Waterbury
 - ◆ 27 potential projects in total
 - ◆ Plans developed 2006 - 2015

2006 Cabot River Corridor Plan

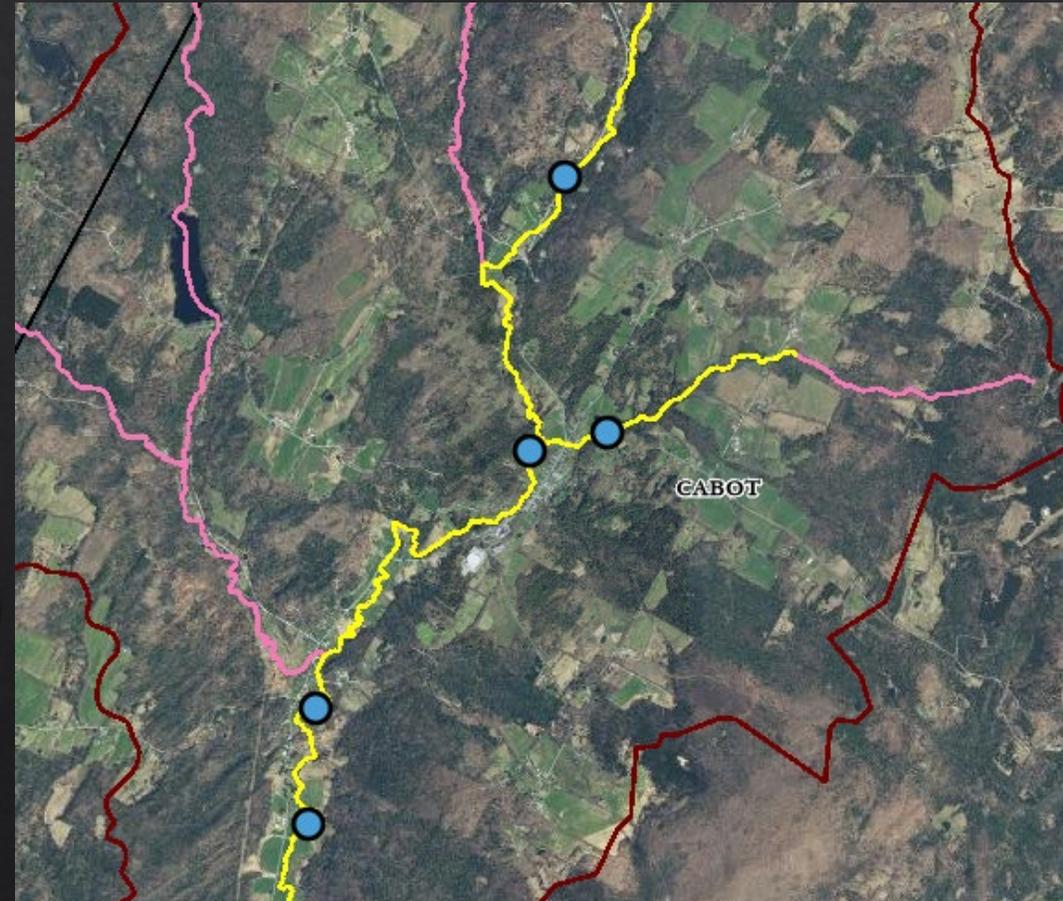
◆ **Project Types:**

- ◆ Floodplain / Stream Restoration
- ◆ Berm Removal & Bridge Replacement
- ◆ Riparian buffer planting

◆ **Project Phase:** (5) Preliminary Design

◆ **Potential Partners:** Friends of the Winooski, Landowners, Cabot Flood Resilience Taskforce

◆ **Potential Funding:** Water Quality Restoration Formula Grant, Enhancement Block Grant



2008 Marshfield River Corridor Plan

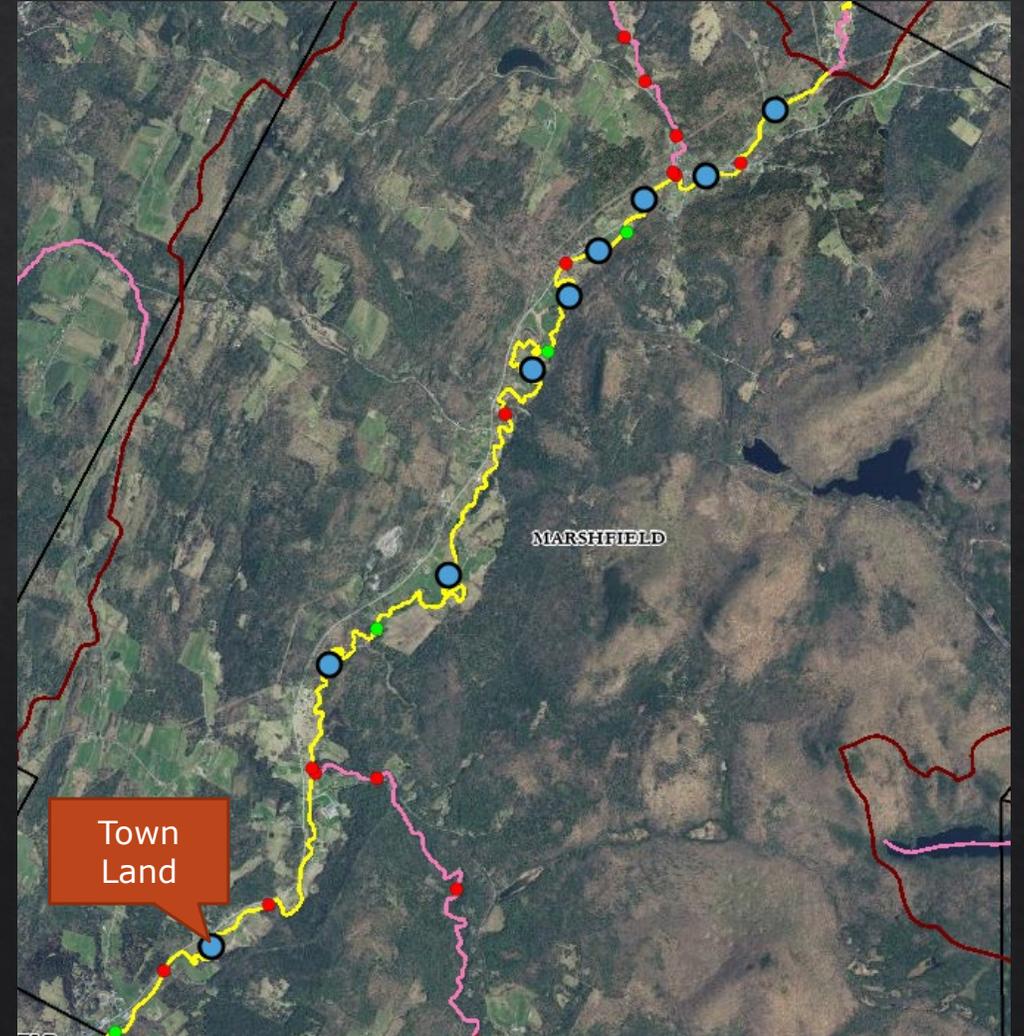
◆ **Project Type:**

- ◆ River Corridor Easement
 - ◆ Incised reaches / Erosion control
 - ◆ Rt. 2 Encroachment
 - ◆ Restoring floodplain access on agricultural land

◆ **Project Phase:** (9) Design

◆ **Potential Partners:** Landowners, Winooski Natural Resources Conservation District, Friends of the Winooski River, Vermont Fish and Wildlife, Department, Marshfield Town

◆ **Potential Funding:** Conservation Reserve Easement Program, Best Management Practices Program



2010 Plainfield to Montpelier River Corridor Plan

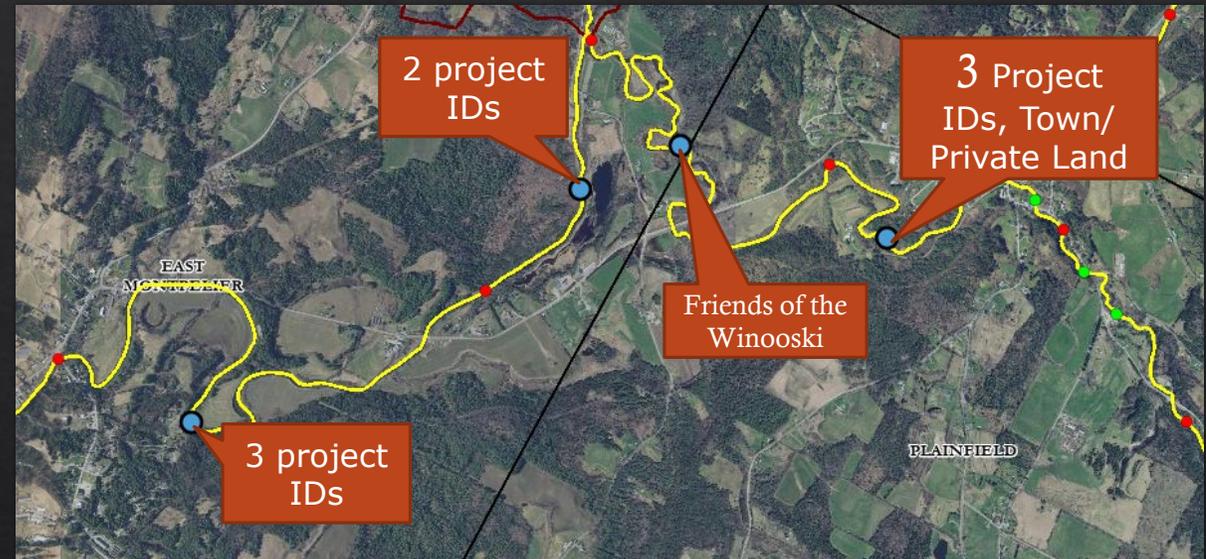
◆ **Project Types:**

- ◆ Floodplain / Stream Restoration
- ◆ River Corridor Protection
- ◆ Berm Removal
- ◆ Bridge Replacement
- ◆ Riparian buffer planting

◆ **Project Phase:** (9) Preliminary Design

◆ **Potential Partners:** Landowners, Winooski Natural Resources Conservation District, Friends of the Winooski River, Vermont Agency of Transportation, Towns of East Montpelier and Plainfield

◆ **Potential Funding:** Water Quality Restoration Formula Grant, Enhancement Block Grant, Agency of Agriculture, Hazard Mitigation



2015 Waterbury River Corridor Plan

◆ **Project Types:**

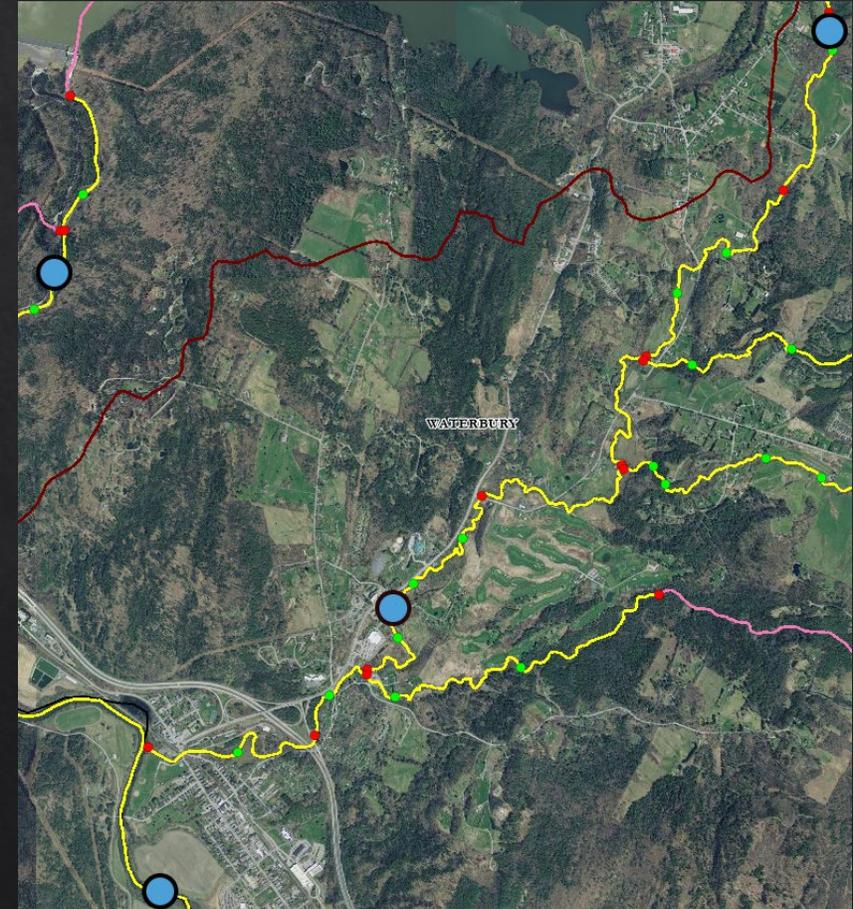
- ◆ Floodplain / Stream Restoration
- ◆ River Corridor Easement
- ◆ Berm Removal
- ◆ Dam Removal

◆ **Project Phase:** (4) Preliminary Design

◆ **Potential Partners:** Landowners, Friends of the Winooski River, Vermont Natural Resources Council, Vermont Fish and Wildlife, Department, Vermont Agency of Transportation, Towns of Waterbury and Duxbury

◆ **Potential Funding:** Water Quality Restoration Formula Grant, Enhancement Block Grant, Dam Removal Design/Implementation Block Grant

◆ **BRIC Grant:** Pending source of funding for Waterbury Stormwater Master Planning



Funding Program	Program Purpose	Funding Program Administrator
Water Quality Restoration Formula Grant	To meet phosphorus reduction requirements through project identification, development, design, implementation, operation and maintenance.	Clean Water Service Provider
Water Quality Enhancement Development, Design, and Implementation Block Grant	To support the development, design, and implementation of priority water quality enhancement projects (without efficient phosphorus reductions).	Addison County Regional Planning Commission, Natural Resource Conservation Council, Watersheds United Vermont
Dam Removal Design/Implementation Block Grant	Design and implementation of Dam Removal projects from the DEC Watershed Projects Database .	Watersheds United Vermont
Clean Water Workforce Capacity Development Initiative Block Grant	Support and invest in the capacity of our clean water partners to address unmet capacity needs to efficiently deliver priority clean water projects.	Watersheds United Vermont
Hazard Mitigation Funding	Mitigation of local roads and bridges, home acquisition (buyout), structural elevations or relocations, replacement of undersized culverts, mitigation outreach and education, etc.	Vermont Emergency Management
Building Resilient Infrastructure and Communities (BRIC) Grant	Annual Federal Emergency Management Agency funding program for hazard mitigation to reduce the risk from natural hazards (including Stormwater Master Planning).	Vermont Emergency Management
Water Infrastructure Sponsorship Program (WISPr)	Acquisition of easements and land for the purpose of providing water quality benefits and wastewater facility projects.	Department of Environmental Conservation
Agency of Agricultural (Multiple programs, see next slide)	Technical and financial assistance programs for farmers to improve and protect water quality.	Vermont Agency of Agriculture and Food Markets

Agency of Agriculture Food & Markets, Water Quality Financial Assistance Programs

Farm Agronomic Practices Program, FAP

- Implementation of practices that improve soil quality and reduce runoff and erosion. Educational or instructional activities also eligible.

Best Management Practices Program, BMP

- For engineered and structural on-farm improvements which protect or promote water quality.

Conservation Reserve Enhancement Program, CREP

- To reduce sediment runoff and improve water quality by removing land from agricultural production and establishing vegetative buffers. **Up to 100% cost share towards annual rental, & maintenance payments. implementation costs, plus incentive**

Capital Equipment Assistance Program, CEAP

- For new or innovative equipment that will improve water quality, improve manure management, separate phosphorus (P) from manure, or decrease greenhouse gas emissions.

Grassed Waterway and Filter Strip Program, GWFS

- To address erosion and surface runoff through the establishment of perennially vegetated and harvestable grassed waterways, filter strips, and critical source area seedings.

Pasture and Surface Water Fencing Program, PSWF

- To improve water quality and on-farm livestock exclusion from surface waters statewide.

Vermont Farmers Ecosystem Stewardship Program, CSP-Assist

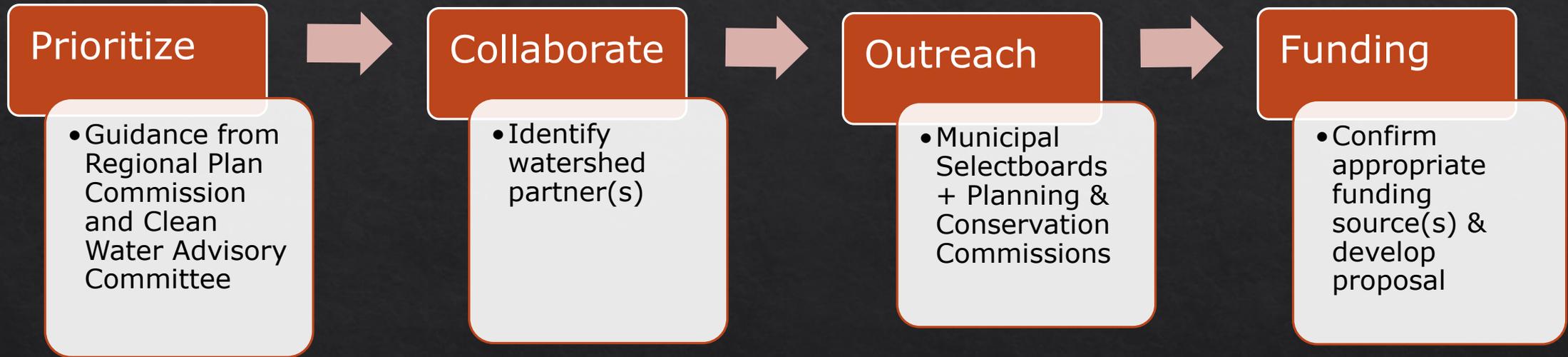
- to support farmers to enroll in the USDA-NRCS Conservation Stewardship program (CSP).

Vermont Pay for Performance Program VPPF, VPPF

- Provides financial compensation for reducing phosphorus (P) losses from farms.

Additional Provider	Contact
USDA Natural Resources Conservation Service (NRCS)	www.nrcs.usda.gov/contact/find-a-service-center
Vermont Housing and Conservation Board (VHCB)	www.VHCB.org
Vermont Association of Conservation Districts (VACD) & your local Conservation District	www.vacd.org
University of Vermont (UVM) Extension	www.uvm.edu/extension/contact-us
Your local Farmers Coalition and/or Watershed Alliance	www.cvfc-vt.com & www.farmerswatershedalliance.org

Next Steps



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Tactical Basin Plan FY25 Workplan

TBP FY24 Topics

- ◇ Riparian Buffers / Invasive Species Panel
- ◇ Prioritizing Culvert Replacement & Dam Removal
- ◇ Lake Wise & Lake Watershed Action Planning

FY25 Potential Topics

- ◇ FEMA map updates / Flood Hazard & River Corridor Bylaws
- ◇ Stormwater Master Planning and Project Implementation
- ◇ River Restoration Project Development & Municipal Outreach
- ◇ Wetlands Mapping & Reclassification
- ◇ Forest Road Inventories / Town Forest Management
- ◇ Municipal Wastewater Assistance & Workshops
- ◇ Agricultural Nutrient Management Planning

Tactical Basin Plan FY25 Workplan

FY25 Potential Topics

- ◆ **FEMA map updates / Flood Hazard & River Corridor Bylaws**
- ◆ Stormwater Master Planning and Project Implementation
- ◆ River Restoration Project Development & Municipal Outreach
- ◆ **Wetlands Mapping & Reclassification**
- ◆ Forest Road Inventories / Town Forest Management
- ◆ Municipal Wastewater Assistance & Workshops
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SUGGESTIONS DUE 22 MARCH 2024

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Announcements

- ◇ [Emergency Watershed Protection Program](#): Middlesex & Marshfield
- ◇ Clean Water Service Provider Summit in Waterbury, 5 April 2024 – [RSVP](#)
- ◇ [Vermont Fish & Wildlife Spring Webinar Series](#):
 - ◇ Vermont Conservation Design / BioFinder 4.0
 - ◇ Resilient Rivers with Will Eldridge
- ◇ [Lake Champlain Basin Program](#): Funding Opportunity
 - ◇ \$6,000,000 for the acquisition of land or conservation easements to improve water quality, aquatic habitat, and climate resiliency in Lake Champlain Basin

Next Meeting scheduled for 9 May 2024

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