

# Winooski River Basin Water Quality Council Meeting

June 15, 2023

# Agenda

**1:00 Call to order & Roll call**

1:05 Updates to agenda

1:10 Public Comment

1:15 Review & approve minutes from March 16, 2023 meeting (action)

1:25 Meet & Greet – Chris Rottler (DEC Water Investment Coordinator)  
(discussion)

1:40 Project review (discussion)

2:30 Scheduling – Meetings & Solicitation Rounds (discussion)

2:45 Announcements

3:00 Adjourn

# Agenda

- 1:00 Call to order & Roll call
- 1:05 Updates to agenda**
- 1:10 Public Comment
- 1:15 Review & approve minutes from March 16, 2023 meeting (action)
- 1:25 Meet & Greet – Chris Rottler (DEC Water Investment Coordinator)  
(discussion)
- 1:40 Project review (discussion)
- 2:30 Scheduling – Meetings & Solicitation Rounds (discussion)
- 2:45 Announcements
- 3:00 Adjourn

# Agenda

- 1:00 Call to order & Roll call
- 1:05 Updates to agenda
- 1:10 Public Comment**
- 1:15 Review & approve minutes from March 16, 2023 meeting (action)
- 1:25 Meet & Greet – Chris Rottler (DEC Water Investment Coordinator) (discussion)
- 1:40 Project review (discussion)
- 2:30 Scheduling – Meetings & Solicitation Rounds (discussion)
- 2:45 Announcements
- 3:00 Adjourn

# Agenda

- 1:00 Call to order & Roll call
- 1:05 Updates to agenda
- 1:10 Public Comment
- 1:15 Review & approve minutes from March 16, 2023 meeting (action)**
- 1:25 Meet & Greet – Chris Rottler (DEC Water Investment Coordinator)  
(discussion)
- 1:40 Project review (discussion)
- 2:30 Scheduling – Meetings & Solicitation Rounds (discussion)
- 2:45 Announcements
- 3:00 Adjourn

# Agenda

- 1:00 Call to order & Roll call
- 1:05 Updates to agenda
- 1:10 Public Comment
- 1:15 Review & approve minutes from March 16, 2023 meeting (action)
- 1:25 Meet & Greet – Chris Rottler (DEC Water Investment Coordinator) (discussion)**
- 1:40 Project review (discussion)
- 2:30 Scheduling – Meetings & Solicitation Rounds (discussion)
- 2:45 Announcements
- 3:00 Adjourn

# Agenda

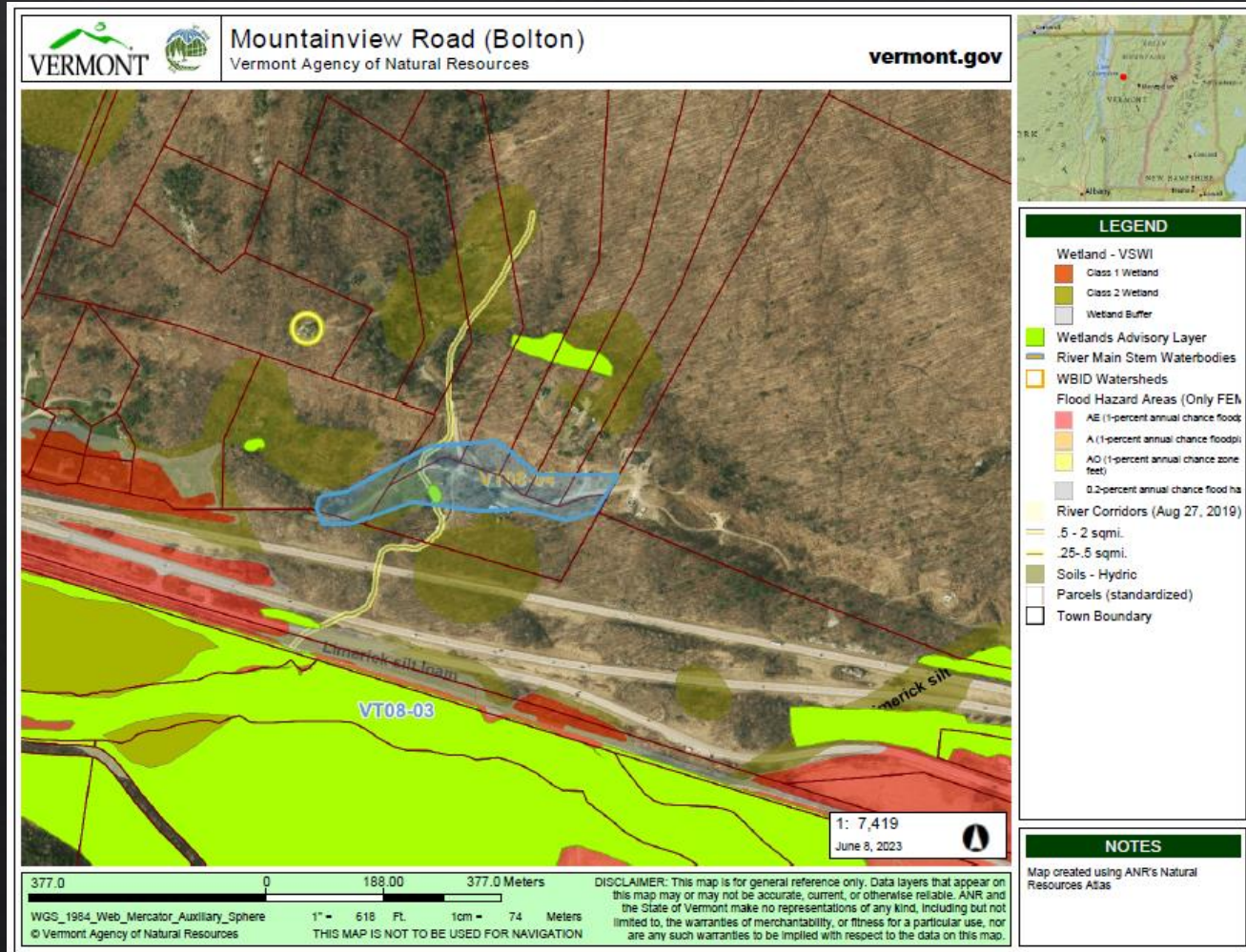
- 1:00 Call to order & Roll call
- 1:05 Updates to agenda
- 1:10 Public Comment
- 1:15 Review & approve minutes from March 16, 2023 meeting (action)
- 1:25 Meet & Greet – Chris Rottler (DEC Water Investment Coordinator)  
(discussion)
- 1:40 Project review (discussion)**
- 2:30 Scheduling – Meetings & Solicitation Rounds (discussion)
- 2:45 Announcements
- 3:00 Adjourn

# Project Review: Mountain View Road Erosion Mitigation

- ◆ Primary Contact: Dan Albrecht, Senior Planner, Chittenden County Regional Planning Commission
- ◆ Project Type: Project Development
- ◆ Project Phase: Identification / Assessment
- ◆ Project Description: Procure engineering services to identify projects along a (private) road that will reduce erosion & phosphorous discharge. Result of effort will be a brief memo describing each proposed practice.
  - ◆ Rock lining of road ditches
  - ◆ Check dams in road ditches
  - ◆ Outfall protection on downhill end of cross-culverts
- ◆ P-reduction: unknown / not required for Project Development
- ◆ Project Budget: \$4,431



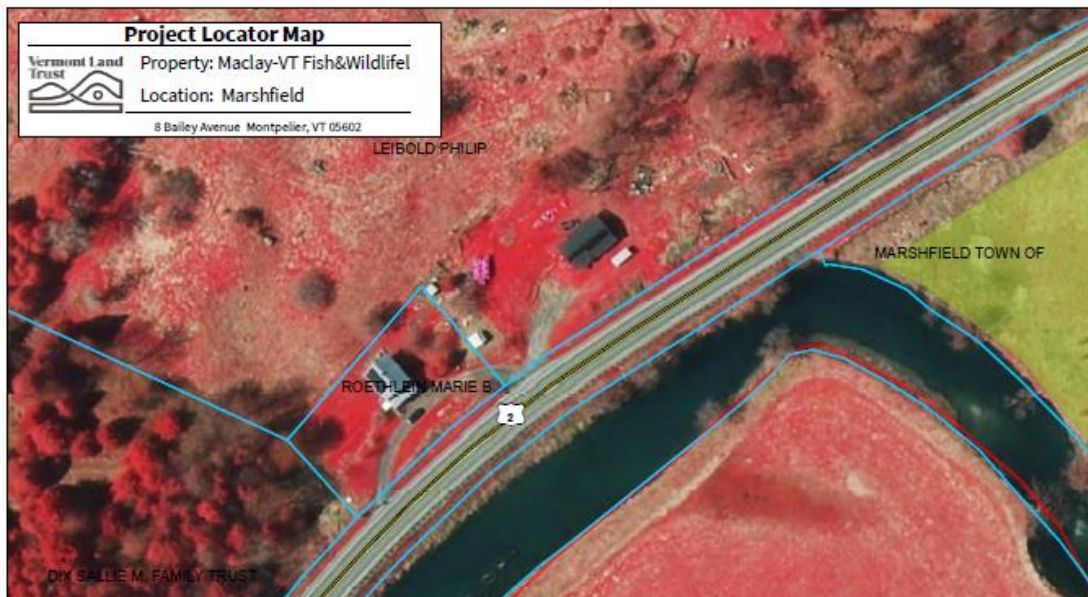
# Project Review: Mountain View Road Erosion Mitigation



# Project Review: John Fowler Road – Winooski Berm Removal

- ◆ Primary Contact: Allaire Diamond, Ecologist, Vermont Land Trust
- ◆ Project Type: Floodplain / Stream Restoration – Preliminary Engineering Design
- ◆ Project Phase: Preliminary Design
- ◆ Project Description: Procure engineering services to design berm removal along the Winooski River. Project builds off previous work completed by the Vermont Fish & Wildlife Department.
- ◆ P-reduction: 118.95 kg / yr
- ◆ Project Budget: \$44,604

# Project Review: John Fowler Road – Winooski Berm Removal



## Floodplain and Stream Restoration Estimated Phosphorus Reduction Calculator

kg of TP = Stream Stability P Reduction + Storage P Reduction  
 Stream Stability P Reduction = project type and basin P reduction factor (lb/acre/yr) \* acres \* kg per lb  
 Storage P Reduction = pre- to post- restoration change in connectivity factor (lb/acre/yr) \* acres \* kg per lb \* 50% after year 1

Variable	Value	Unit	Notes
Unit conversion	0.454	lb to kg	Not all floodplain and stream restoration projects receive a storage P reduction credit. If a project does not effectively change the ability of a stream or river to access a floodplain, select matching floodplain connectivity ranking for pre- and post-restoration (ex: floodplain connectivity pre-restoration = low, floodplain connectivity post-restoration = low). For more detail on phosphorus credit allocations by project type, please refer to the Standard Operating Procedures for Tracking & Accounting of Natural Resources Restoration Projects available on the VT DEC website.  The Functioning Floodplains Initiative (FFI) web application (coming soon) is equipped to generate the most accurate estimation of phosphorus reduction achieved through a floodplain or stream restoration project based on more detailed project specifications, and will ultimately be used for phosphorus accounting purposes by VT DEC. This tool was developed as an interim solution to provide high level estimation of potential phosphorus reductions and can be used to help compare potential project outcomes to inform prioritization. Phosphorus reductions calculated in the interim tool are based on FFI project simulations by project type and watershed. This interim tool cannot be used to accurately account for stacked practices (i.e. multiple project types implemented in a single location) however, the FFI tool will allow for calculation of estimated phosphorus reduction resulting from implementation of multiple project components, such as a river corridor easement layered on a floodplain restoration and buffer planting.
Consecutive year storage p reduction	50%	of year 1	

When making a selection, please ensure that the project meets the definition and criteria for the selected project type as outlined in the Standard Operating Procedures for Tracking & Accounting of Natural Resource Restoration Projects.

Applies only to project type: replace culverts - undersized with shallow slope

Use the phosphorus reduction estimate *after year 1* for the cost effectiveness calculator.

Input*	Dropdown*	Dropdown*	Input Value*	Input Value	Dropdown*	Dropdown*	Output value	Output value	Output value	Output value	Output value
Project Identifier	Basin	Project Type	Acres Restored	Number of Culverts Replaced (if applicable)	Floodplain Connectivity Pre-Restoration	Floodplain Connectivity Post-Restoration	Stream Stability P reduction (lb/yr)	Year 1 Storage P Reduction (lb)	Consecutive Year Storage P Reduction (lb/yr)	Estimated Year 1 P Reduction (kg)	Estimated Annual P Reduction After Year 1 (kg/yr)
Test1	Winooski	Floodplain Restoration with Buffer Revegetation and Easement	19.57		Low	High	66.54	391.40	195.70	207.72	118.95

Project area extends NE from the bridge, 600-1000' on the south/east side of the Winooski River.

Scale: 1:1,335

# Agenda

- 1:00 Call to order & Roll call
- 1:05 Updates to agenda
- 1:10 Public Comment
- 1:15 Review & approve minutes from March 16, 2023 meeting (action)
- 1:25 Meet & Greet – Chris Rottler (DEC Water Investment Coordinator) (discussion)
- 1:40 Project review (discussion)
- 2:30 Scheduling – Meetings & Solicitation Rounds (discussion)**
- 2:45 Announcements
- 3:00 Adjourn

# Scheduling: Meeting & Project Solicitation

- ◇ FY23 – Round 1
  - ◇ project scores & staff recommendation: 6 July 2023
  - ◇ **BWQC project ranking & prioritization: 20 July 2023 (Note: This is the Annual Meeting which includes the election of officers.)**
- ◇ FY24 – Round 1
  - ◇ when: 7 July 2023 – 1 September 2023
  - ◇ project review: 5 September 2023 – 21 September 2023
  - ◇ **BWQC project review: 21 September 2023**
  - ◇ project scores & staff recommendation: 5 October 2023
  - ◇ **BWQC project ranking & prioritization: 19 October 2023**
- ◇ FY 24 – Round 2
  - ◇ when: 12 October 2023 – 7 December 2023
  - ◇ project review: 7 December 2023 – 21 December 2023
  - ◇ **BWQC project review: 21 December 2023**
  - ◇ project scores & staff recommendation: 4 January 2024
  - ◇ **BWQC project ranking & prioritization: 18 January 2024**

# Agenda

- 1:00 Call to order & Roll call
- 1:05 Updates to agenda
- 1:10 Public Comment
- 1:15 Review & approve minutes from March 16, 2023 meeting (action)
- 1:25 Meet & Greet – Chris Rottler (DEC Water Investment Coordinator) (discussion)
- 1:40 Project review (discussion)
- 2:30 Scheduling – Meetings & Solicitation Rounds (discussion)
- 2:45 Announcements**
- 3:00 Adjourn

# Announcements

- ◇ Policy Updates
  - ◇ Records Retention Policy
- ◇ Project Implementor Pre-qualification
  - ◇ Chittenden County Regional Planning Commission
  - ◇ Friends of the Mad River
  - ◇ Friends of the Winooski River
  - ◇ Lamoille County Conservation District
  - ◇ Vermont Land Trust
  - ◇ Winooski Natural Resources Conservation District
- ◇ Training: Vermont Department of Environmental Conservation
  - ◇ what: Clean Water Project Eligibility Screening
  - ◇ when: 20 June 2023, 12:00 PM – 1:30 PM
  - ◇ how: Microsoft Teams
  - ◇ post-meeting recording: <https://dec.vermont.gov/water-investment/cwi/grants/resources>
- ◇ Others?

# Agenda

- 1:00 Call to order & Roll call
- 1:05 Updates to agenda
- 1:10 Public Comment
- 1:15 Review & approve minutes from March 16, 2023 meeting (action)
- 1:25 Meet & Greet – Chris Rottler (DEC Water Investment Coordinator) (discussion)
- 1:40 Project review (discussion)
- 2:30 Scheduling – Meetings & Solicitation Rounds (discussion)
- 2:45 Announcements
- 3:00 Adjourn**