Winooski River Basin Water Quality Council Meeting

20 July 2023

Agenda

1:00	**Call to order & Roll call**
1:05	Updates to agenda
1:10	Public Comment
1:15	Review & approve minutes from June 15, 2023 meeting (action)
1:25	Project Ranking & Prioritization (action)
2:25	Election of Officers (action)
2:45	Announcements
3:00	Adjourn

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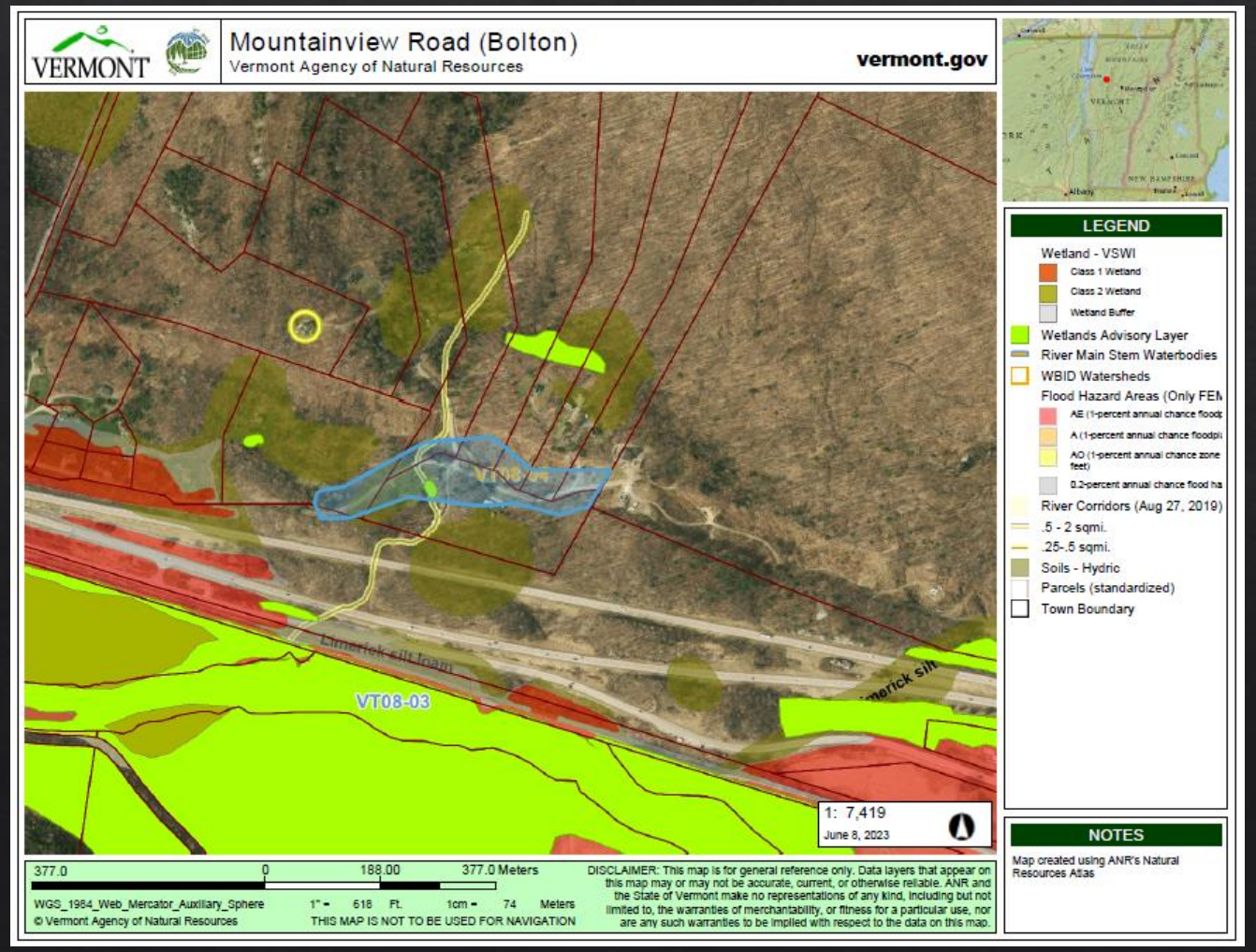
Project Review: Mountain View Road Erosion Mitigation

- 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*

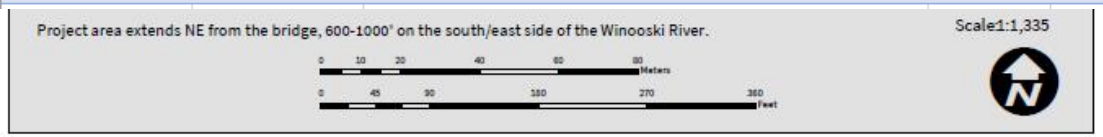
Variable	Value	Unit	Notes
Unit conversion	*0.454*	*lb to kg*	Not all floodplain and stream restoration projects receive a storage P reduction credit. If a project does not effectively change the ability of a stream or river to access a floodplain, select matching floodplain connectivity ranking for pre- 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.
Consecutive year storage p reduction	*50%*	*of year 1*	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.

When making a selection, please ensure that the project meets the definition and criteria for the selected project type as outlined in the Standard Opearting Procedures for Tracking & Accouting 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



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Election of Officers

ARTICLE V ORGANIZATION

Section 501 Officers: The officers of the BWQC shall include a Chair and Vice Chair.

ARTICLE VI ELECTIONS

Section 601 Nominations: Nominations will be taken from the floor at the Annual Meeting.

Section 602 Election of Officers: Officers shall be elected by a majority vote of the BWQC at its Annual Meeting.

Section 603 Terms of Office: The terms of office for the Chair and the Vice Chair shall be 1 year beginning at the Annual Meeting. Officers shall hold office until their successors have been elected and installed. BWQC members may serve as officers for a maximum of three consecutive terms.

Election of Officers

ARTICLE VII DUTIES

Section 702 Chair: The Chair of the BWQC shall guide the planning and facilitation of BWQC meetings in coordination with the CWSP. The Chair may perform other duties customary to the office. Unless the Chair chooses to abstain or recuse themselves, they shall cast a vote on all issues voted on by the BWQC. Whenever possible, the Chair will pursue decision making by consensus.

Section 703 Vice Chair: The Vice Chair shall act as Chair in the absence of the Chair.

ARTICLE VIII MEETINGS

Section 803 Annual Meeting: The Annual Meeting shall be the first regularly scheduled meeting of the CWSP's fiscal year.

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