

# Perkinsville Dam Removal and Culvert Engineering, Perkinsville, Vermont



## Services / Expertise

Dam Removal Assessment and Design  
Channel Restoration Plan  
Aquatic Organism Passage Design  
Topographic Survey & Geographic Analysis  
Sediment Analysis, Characterization and Management  
Hydrologic & Hydraulic Modeling  
Infrastructure Stability Analysis  
Benefit Cost Analysis of Selected Alternative Design Plans & Opinion of Probable Cost for Erosion Prevention & Sediment Control Plan  
Stakeholder Collaboration

## Markets

Watershed Protection Organizations  
Local and Regional Government  
State Government  
Site/Property Owners

## Project Location

Perkinsville, Vermont

## Date Completed

2018-present

## Project Owner

Connecticut River Conservancy

## Project ID#

18-104

## Project Manager

Gabe Bolin, PE, Senior Engineer  
Email: [gbolin@stone-env.com](mailto:gbolin@stone-env.com)  
Tel.: (603) 273-9253



*The project area, showing partially collapsed wood and metal construction.*

STONE was retained by the Connecticut River Conservancy to develop 100% final designs for the removal of a dam and culvert upgrade near a residential property in Perkinsville, Vermont. Removal of this hazardous dam is expected to improve aquatic organism passage along an unnamed tributary to Mill Brook, as well as increase infrastructure stability and flood resiliency.

To date, Stone has completed geomorphic and topographic surveys, along with longitudinal profiles. These will be used to redesign a pilot channel at the dam site and at the culvert, located approximately 300' downstream. This dam removal project dam removal effort includes the characterization of existing conditions and the development and coordination of a removal plan. The culvert upgrade includes a design to mitigate a headcut that is currently being held by a residential driveway. Final deliverables will include 100% design plans and costs.

This project is being funded through the Vermont DEC's Ecosystem Restoration Grant Program.

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