

Rivers Program Overview

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Department of Environmental Conservation





Options for State Flood Control Policies and a Flood Control Program



West Hill Brook, Montgomery

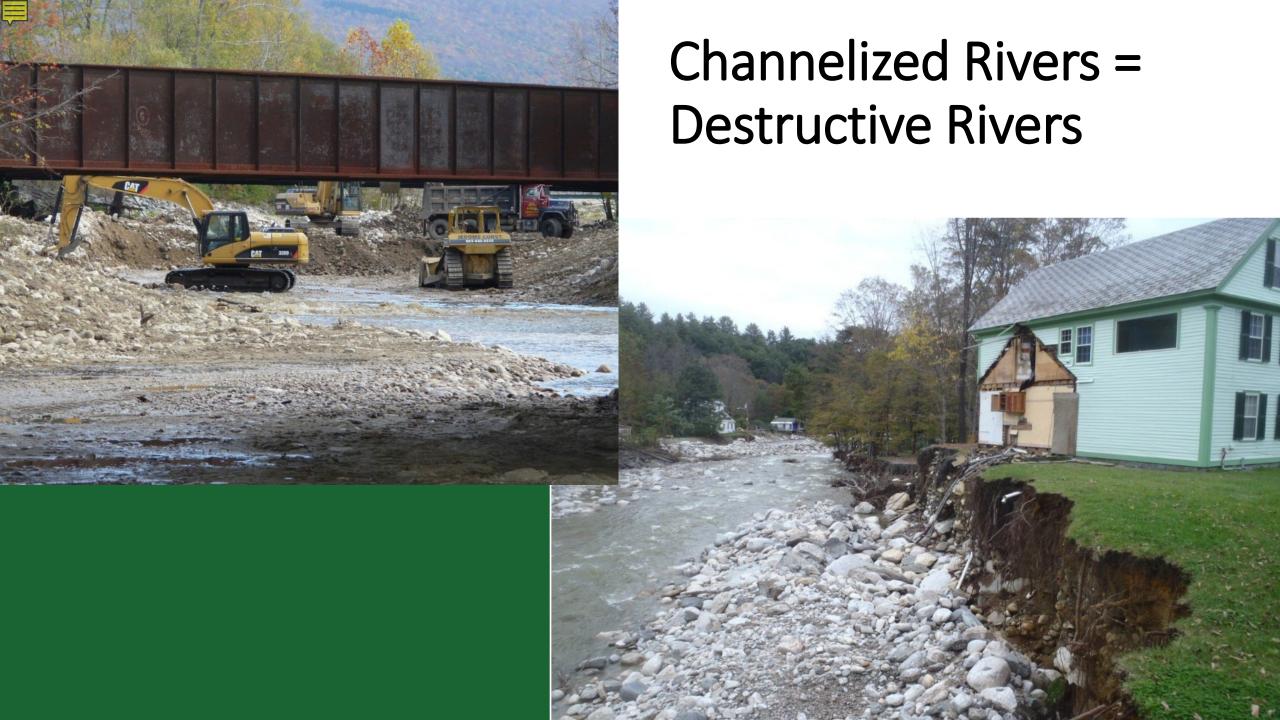
Prepared for the Vermont General Assembly Pursuant to Act 137 Section 2 (1998)

Prepared by the
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Department of Environmental Conservation
Water Quality Division
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February, 1999

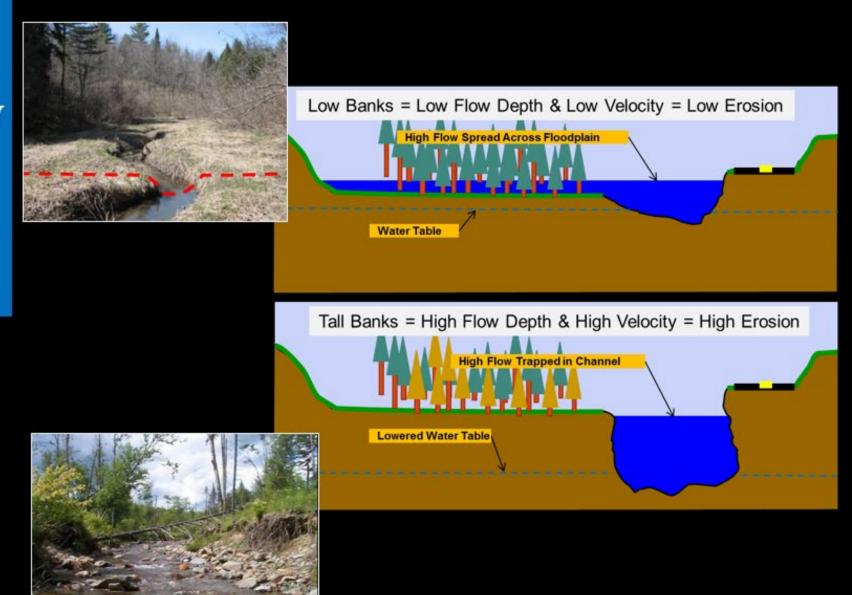
"Expert opinion is converging around one central theme: establishing long-term river stability will provide both protection from flood damage and a healthy riverine environment





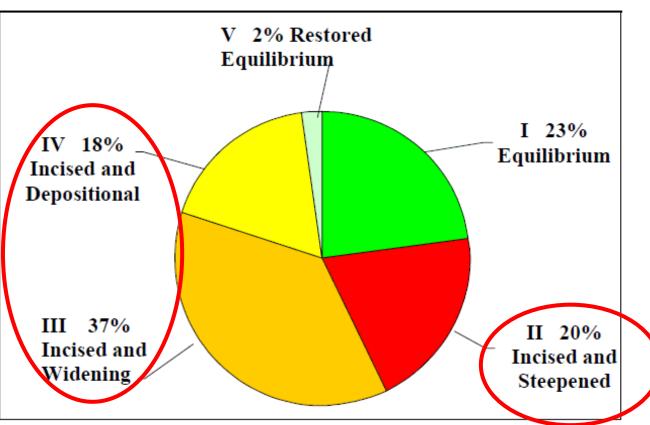
Intact Rivers and How They Work:

Energy Dissipation via Floodplain Connection











Stream Alteration Permit Changes

 Act 110 (2010) – Six-fold increase in number of stream miles regulated

- Act 138 (2012) Provided the authority to regulate emergency work
 - Since July 2023, 330 Emergency and Next Flood Measure authorizations



Key Principles Structure Width and Opening Height



Old – 7' Pipe



New - 16' x 8' Precast Arch



Rivers & Roads Training

(Act 138 -2012)

 Developed and offered annually in collaboration with VTrans and ANR Dept. of Fish & Wildlife

 Since 2012; 48 Training Events/ 860 individuals

 Understanding and working with river processes improves flood resilience

River Corridors as part of a No Adverse Impact Regulatory framework

Flood Hazard Area – Inundation

River Corridor – Erosion





Land uses in River Corridors and Flood Hazard Areas

Avoidance Strategies
& No Adverse
Impact Standards

1. Municipal Permits (state model bylaws)

- 97 towns have adopted higher standards
- 29 have town-wide river corridor regulations

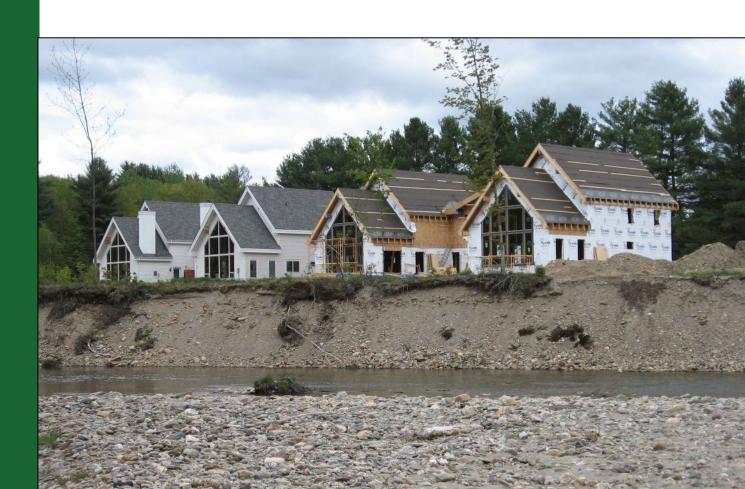




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- 2. Act 250 Criterion 1D
- 3. State Flood Hazard Area & River Corridor Rule (2015) activities exempt for municipal regulation





River Corridor Mapping

factors the dynamic nature of rivers into planning and regulation



