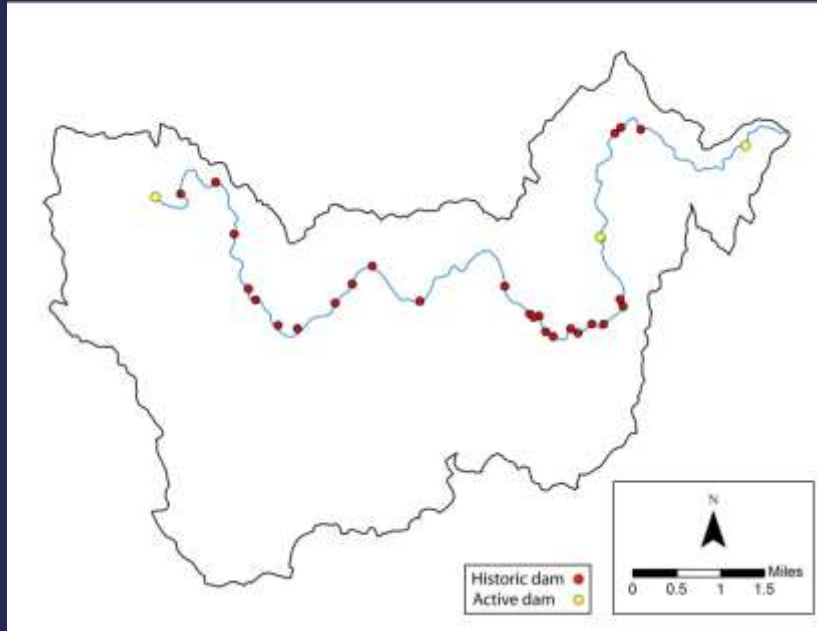


SOUTH RIVER SEDIMENT MANAGEMENT AND RESTORATION PROJECT



PRESENTATION TO THE FRANKLIN REGIONAL PLANNING BOARD
DECEMBER 1, 2016

The Legacy of Dams



The Legacy of Channel Straightening and Berming



The Results?



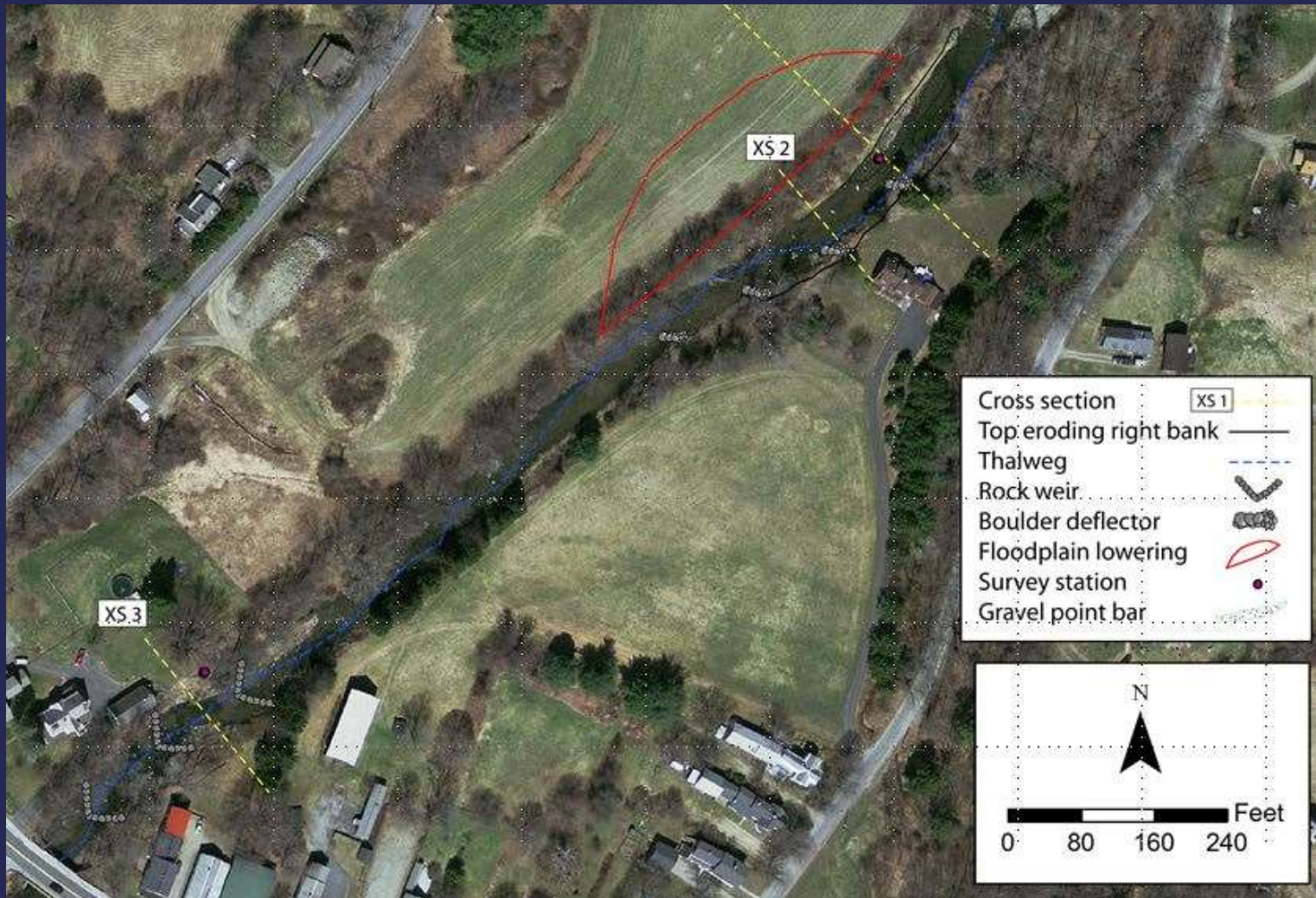
The Results?



The Results?



Project Design



Potential Project Benefits

- Project identified in previous Geomorphic & Habitat Assessment project.
 - Reduced flooding and erosion on Town's property as well as upstream and downstream
 - Reduced downstream sediment loading
 - Habitat improvements
 - Improved aesthetic/recreation resources
 - Leverage limited funding

Permitting and Final Design Process

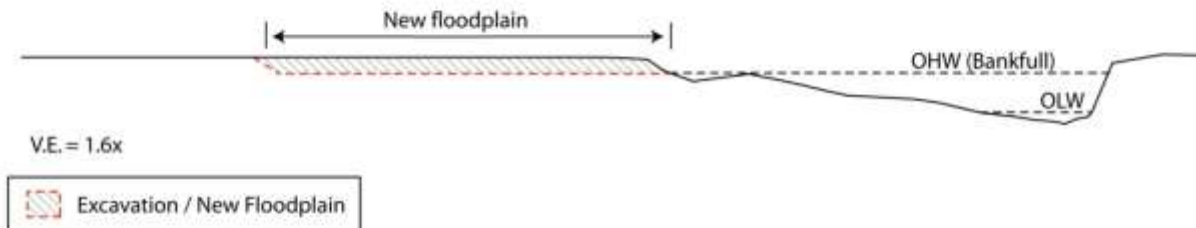
- Project funding from US EPA, MassDEP s.319 Nonpoint Pollution Competitive Grant Program and Town of Conway, Community Preservation Act fund.
- Long list of required permits/approvals.
 - Natural Heritage & Endangered Species Program
 - Conway Conservation Commission
- Landowner buy-in.

Site Preparation



Reconnecting the River to its Floodplain

Cross section view



Floodplain Lowering



Floodplain Lowering

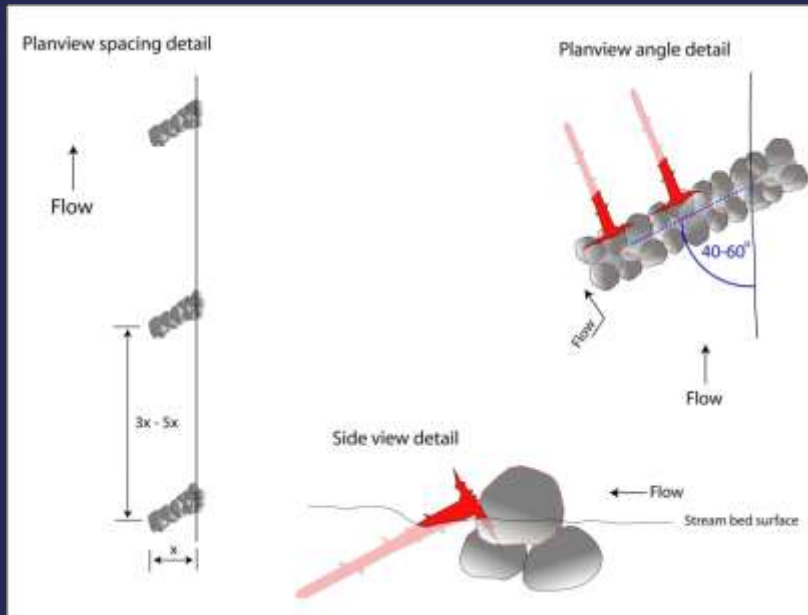


Floodplain Lowering



Bank Stabilization and Habitat Improvement Structures

Boulder Deflectors



Woody Materials



Boulder Deflectors



Boulder Deflectors



Woody Material



Woody Material



Post-Construction



Post-Construction



Post-Construction Boulder Deflector and Woody Material



Post-Construction: Boulder Deflectors

Prior to rain event



After rain event



Post-Construction: Boulder Deflectors





Questions or
Comments?