

Stream Habitat Management: Assessing Stream Condition & Identifying Management Options

Training Objective: Examine the physical basis of stream habitat, discuss tools and concepts to diagnose causes of habitat degradation, and suggest management framework to consider options.

Training Description: Improving stream habitat is often a goal of landowners and NRCS conservation partners. Many factors affect habitat quality and quantity, and most are directly related to land use history, watershed hydrology, fluvial geomorphology, and contemporary land management practices. Since habitat is biological reliance on physical stream features, a key aspect of managing stream habitat is a requisite understanding of the watershed context within which a stream has evolved and the range of historic and contemporary factors that govern channel and floodplain condition. This webinar provides an overview of the physical basis of stream habitat, elements of fluvial geomorphology as related to habitat and stream condition, and methods and approaches to characterize stream condition and health. Additionally, it presents a framework within which conservation planners can identify past influences on stream health for the development of management options. Field and research examples from the mid-Atlantic, Midwest, and Pacific Northwest are provided to illustrate concepts.

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Associated Documents:

- Gullett Stream Habitat Management Jan 2012_presentation_notes.pdf (3.0MB)
- Gullett Stream Habitat Management Jan 2012_presentation_slides.pdf (13.7MB)
- Gullett Stream Habitat Management Jan 2012_webinar.wmv (17.8MB)
- Gullett Stream Habitat Management Jan 2012_webinar captioned.wmv (18MB)