

**ABSTRACT:** Underwood Conservation District (UCD) has a long history of conducting watershed enhancement projects in both the Klickitat and White Salmon watersheds. Because we are a unique form of local government, there will be a brief overview of what UCD's role is in watershed management, how we operate, and where our district boundaries reach. Then a summary of a planned project on Simmons Creek will follow. This project, located on a tributary to Snyder Creek in the Klickitat basin, will work to repair 6,600 linear feet of the incised channel by building 40-50 "channel roughness/sediment capture structures" and providing two off-stream watering facilities to grazing cattle. The objectives of this project include: add channel roughness, capture sediment, reduce erosion, increase groundwater recharge and storage, increase summer instream flow, reduce sedimentation of stream, and provide off-stream watering sites to reduce cattle impacts to stream. Target species that will benefit from this work include: summer and winter steelhead and resident rainbow trout in Snyder Creek, and Chinook, bull trout, Coho, and resident aquatic organisms in the Klickitat River. Key habitat factors addressed will be: water quantity, channel, floodplain, riparian, and streambed sediment conditions, and water quality. The presentation will end with a quick synopsis of some outreach and education work we are conducting regarding the potential arrival of an aquatic invasive species called the New Zealand Mudsail. These snails are present in the Deschutes River, the Lower Columbia River, and the Snake River and can overproduce to crowd out native aquatic organisms and degrade salmonid habitat. Identifying features and prevention methods will be described.

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