A Changing System



The health of our streams is a direct reflection of the health of the land. Streams connect the mountains to the valleys, the headwaters to the lakes, and people to the land. They move across the landscape, erode banks and carry sediment many miles downstream. One minute streams are calm and gentle, the next they can be a powerful force of nature.

As the stream channel continues to evolve with varying flow and velocity it will cut deeper and wider striving for a state of equilibrium. This natural channel process can persist over decades, resulting in problem areas along the system. These erosional areas can lead to channel cutting, streambank instability, loss of vegetation, de-watered meadows, and loss of habitat for aquatic species. Managing this dynamic system can be a huge challenge for landowners.

Contact LCUWC :

Colleen Withers Program Manager/ Fiscal Administrator 541-610-3134 slidemountainsolutions@gmail.com

Brandi Neider Project Manager Stream and Riparian Coordinator 541-219-0493 bdneider23@gmail.com

Website: http://lakecountywsc.com



Restoring Streams and Habitat



Solutions for a better stream system

Restoration and Enhancements Techniques

The following design approaches can be used to protect and stabilize the soils in a streambank, protect the banks and floodplain, accelerate recovery and restore stream stability. The keys to a successful bank stabilization project are:

- Allow the stream to maintain its dynamic equilibrium by not confining the channel.
- Create complexity to improve habitat.
- Provide connection to the floodplain.

Ultimately, healthy streambanks are good for aquatic habitat, stream temperature, and valuable to agricultural production.



Reconnection of Stream Channel: creating a functional floodplain

Planting Vegetation: Adding plants for stream bank stability





After



Beaver Dam Analogs: Mimic the Beaver





Pond and Plug: reconnects the stream channel to its functioning flood plain and restores the degraded meadow's water table to its historic level



Working with LCUWC

The Lake County Umbrella Watershed Council is committed to helping landowners improve watershed function and stream channel health. We'll find the right treatment that suites your needs while enhancing watershed condition.