

# Newaukum Management Unit

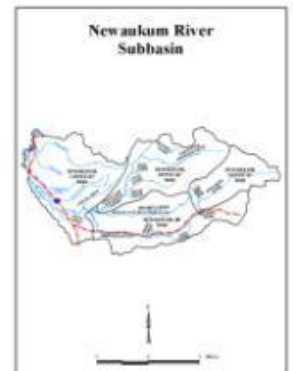
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## Newaukum Management Unit – Newaukum River (M. Fork & Tributaries)

### Tier 1 Concerns

#### Riparian, Fish Passage, Sediment

- Abandon roads on steep geologically sensitive areas
- Control invasive species
- Correct barrier culverts
- Correct cross drains that may trigger mass wasting on geologically sensitive slopes
- Identify sources that are contributing to sediment loading
- Identify specific degraded riparian areas for restoration needs
- Implement alternative methods of bank stabilization (bioengineering) in locations of excessive erosion
- Install riparian fencing to exclude or reduce livestock access
- Interplant conifers in deciduous dominant areas where appropriate
- Reduce sediment loading by reducing low densities (abandon/decommission)
- Revegetate open riparian areas with native plants (Use Wampler et al 1993 to identify potential restoration sites)
- Revegetate stream/river banks for added protection from erosion
- Upgrade logging roads to comply with Forest Practices Act Rules and Regulations



### Tier 2 Concerns

#### Water Quality, Water Quantity

- Determine if water withdrawals are being followed in accordance with current water rights
- Determine water quality conditions
- Implement TMDL recommendations
- Reduce water withdrawals from surface sources
- Restore wetlands for water storage

### Tier 3 Concerns

#### Large Woody Debris, Floodplain

- Assess floodplain conditions and identify impacts
- Determine LWD quantities
- Develop LWD supplementation plan that will install logjams and key pieces to improve instream channel structure and habitat diversity
- Install LWD pieces in conjunction with other restoration projects