# Black River Management Unit

# **Black River Management Unit - Black River**

Major Tributaries: Anadromous Fish Stocks:

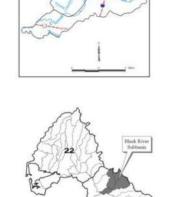
Beaver Creek fall Chinook
Waddell Creek coho
Salmon Creek chum
Mima Creek cutthroat

winter steelhead

# **Tier 1 Concerns**

#### Water Quality, Riparian, Water Quality

- ☐ Conduct study on unregulated/regulated withdrawals, especially gravel mines
- Control invasive species on Lower Black, Bloom's Ditch, Stoney Creek, and Beaver Creek
- ☐ Control point-source contamination from dairy farms
- ☐ Determine if water withdrawals are being followed in accordance with current water rights
- ☐ Identify specific degraded riparian areas for restoration needs
- ☐ Implement alternative methods of bank stabilization (bioengineering) in locations of
  - excessive erosion
- ☐ Implement TMDL recommendations
- □ Increase education and outreach in the watershed to inform about water withdrawals
- ☐ Install riparian fencing to exclude or reduce livestock access
- ☐ Interplant conifers in deciduous dominant areas where appropriate
- ☐ Protect areas of mid-to-late seral stage riparian corridors with priority given to older stands
- ☐ Reduce water withdrawals from surface sources
- ☐ Revegetate open riparian areas with native plants, especially conifers
- ☐ Revegetate stream and river banks for added protection from erosion



Black River

## **Tier 2 Concerns**

#### Large Woody Debris, Fish Passage

- ☐ Change natural gas pipeline river crossing
- ☐ Correct barrier culverts
- □ Develop LWD supplementation plan that will install logjams and key pieces to improve instream channel structure and habitat diversity
- ☐ Educate landowners on the importance of leaving LWD in a river
- ☐ Identify specific degraded riparian areas for restoration needs
- ☐ Install LW pieces in conjunction with other restoration projects
- ☐ Install riparian fencing to exclude or reduce livestock access
- ☐ Interplant conifers in deciduous dominant areas where appropriate
- $\square$  Revegetate open riparian areas with native plants

## **Tier 3 Concerns**

#### Floodplain, Sediment

- ☐ Assess floodplain conditions and identify impacts
- ☐ Correct cross drains that may trigger mass wasting on geologically sensitive slopes
- $\square$  Identify sources that are contributing to sediment loading
- ☐ Implement alternative methods of bank stabilization (bioengineering) in locations of excessive erosion
- ☐ Install riparian fencing to exclude or reduce livestock access
- ☐ Reconnect, enhance, and/or restore potential off channel, floodplain, and wetland habitat
- ☐ Reduce sediment loading by reducing road densities (abandoned/decommissioned)
- ☐ Relocate gravel mines away from shorelines and 100-year floodplain
- ☐ Revegetate stream and river banks for added protection from erosion
- ☐ Upgrade logging roads to comply with Forest Practices Act Rules and Regulations