

# Hoquiam-Wishkah Management Unit

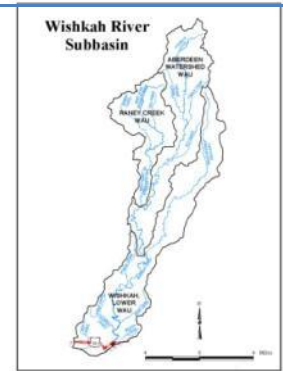
## Hoquiam-Wishkah Management Unit – Wishkah River

### Major Tributaries:

East Fork Wishkah River  
West Fork Wishkah River

### Anadromous Fish Stocks:

fall Chinook  
coho\*  
chum  
cutthroat  
winter steelhead  
bull trout\*  
(\*priority stock)



## Tier 1 Concerns

### Sediment, Riparian, Fish Passage

- Consider providing access over natural barriers on a case-by-case basis
- Control invasive species
- Correct barrier culverts
- Correct cross drains that may trigger mass wasting on geologically sensitive slopes
- Develop improved methods of flushing sediment from municipal dams
- Gravel enhancement downstream of dams to decrease scouring and incision
- Identify sources that are contributing to loading
- Identify specific degraded riparian areas for restoration needs
- Install riparian fencing to exclude or reduce livestock access
- Interplant conifers in deciduous dominant areas where appropriate
- Protect (fee simple or easement) key properties of habitat
- Reduce sediment loading by reducing road densities (abandoned/decommissioning)
- Revegetate open riparian areas with native plants
- Revegetate stream/riverbanks for added protection from erosion
- Upgrade logging roads to comply with Forest Practices Act Rules and Regulations
- Upper watershed above RM 28.5 included in a sediment model analysis completed by Rayonier



## Tier 2 Concerns

### Floodplain, Large Woody Debris

- Assess floodplain conditions and identify impacts
- Develop LWD supplementation plan that will install logjams and key pieces
- Identify specific degraded riparian areas for restoration needs
- Interplant conifers in deciduous dominant areas where appropriate
- Protect key properties to facilitate natural channel migration and reconnection to the floodplain
- Reconnect, enhance, and/or restore potential off channel, floodplain, and wetland habitat
- Remove hard armoring or implement bioengineering techniques in place of hard armoring
- Revegetate open riparian areas with native plants

## Tier 3 Concerns

### Water Quality, Water Quantity

- Adjust dam flows to better accommodate fish
- Determine if water withdrawals are being followed in accordance with current water rights
- Implement activities that lead to natural recharge of aquifers (reduce stormwater discharge directly to streams, restore wetlands water storage, increase hydrologic continuity)
- Interplant conifers in deciduous dominant areas where appropriate
- Protect key properties of riparian habitat by a fee simple or easement
- Reduce water withdrawals from surface sources
- Revegetate open riparian areas with native plants