

Humptulips Management Unit

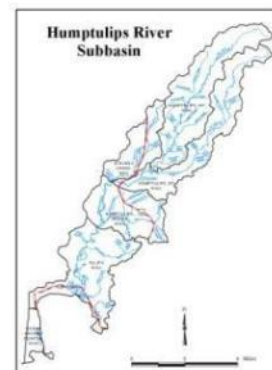
Humptulips Management Unit – Humptulips River

Major Tributaries:

Big Creek
Stevens Creek
Deep Creek

Anadromous Fish Stocks:

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



Tier 1 Concerns

Water Quality, Fish Passage, Sediment

- Abandon roads on steep geologically sensitive areas
- Correct barrier culverts
- Correct cross drains that may trigger mass wasting on geologically sensitive slopes
- Determine water quality conditions
- Develop LWD supplementation plan that will install logjams and key pieces
- Develop improved methods of flushing sediment from the municipal dams
- Identify specific degraded riparian areas for restoration needs
- Implement alternative methods of bank stabilization in locations of excessive erosion
- Implement TMDL recommendations
- Improve fish passage at fishways and add a fishway to those structures without ones
- Install LWD pieces in conjunction with other restoration projects
- Install riparian fencing to exclude or reduce livestock access
- Interplant conifers in deciduous dominant areas where appropriate
- Minimize motor vehicle access to streams
- Reduce sediment loading by reducing road densities (abandon/decommission)
- Revegetate open riparian areas with native plants
- Upgrade logging roads to comply with Forest Practices Act Rules and Regulations



Tier 2 Concerns

Riparian, Floodplain

- Assess floodplain conditions and identify impacts
- Control invasive species
- Determine LWD quantities; develop LWD supplementation plan that will install logjams and key pieces
- Identify specific degraded riparian areas for restoration needs
- Install LWD pieces in conjunction with other restoration projects
- Install riparian fencing to exclude or reduce livestock access
- Interplant conifers in deciduous dominant areas where appropriate
- 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 Quantity, Large Woody Debris

- Develop LWD supplementation plan that will install logjams and key pieces
- Identify specific degraded riparian areas for restoration needs
- Install LWD pieces in conjunction with other restoration projects
- Interplant conifers in deciduous dominant areas where appropriate
- Protect key properties of riparian habitat by a fee simple or easement
- Revegetate open riparian areas with native plants