



SKOOKUMCHUCK SUBBASIN

Skookumchuck River, Scatter Creek

LIMITING FACTORS

RIPARIAN

- . Agriculture, urban/suburban development, logging
- . Deciduous dominant as a result of logging

FISH PASSAGE

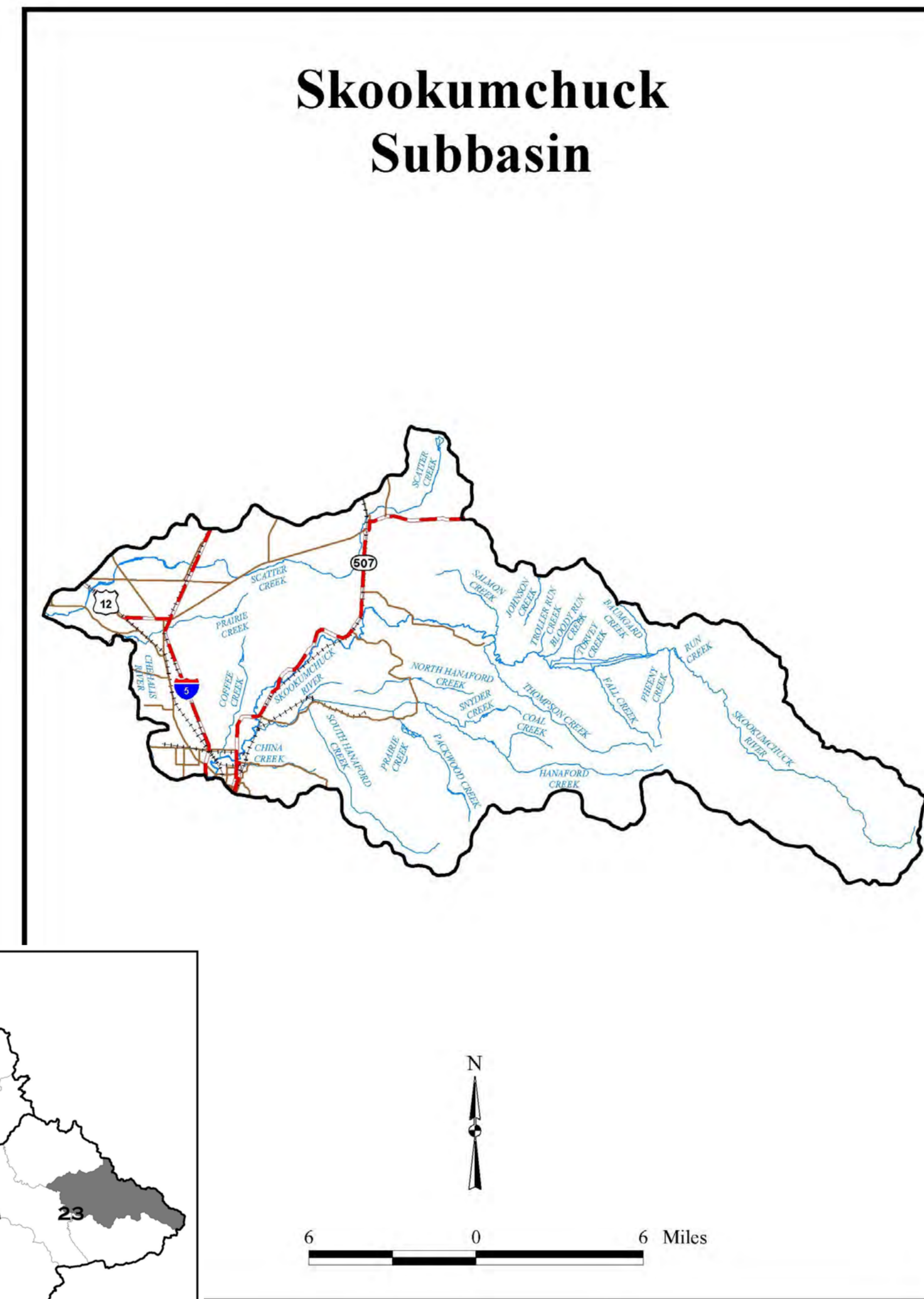
- . Construction of the TransAlta dam
- . Placement of undersized stream crossing structures

FLOODPLAIN

- . Ditching that does not allow for floodwater storage
- . Construction of “floodplain” roads inhibit floodplain functions
- . Development has limited mobility of the river
- . Riprap
- . Restriction of the channel (Bucoda)
- . Activities associated with the steam plant and agriculture (Hanaford Creek)

WATER QUALITY/QUANTITY: Scatter Creek

- . Warm temperatures due to poor riparian conditions
- . Fecal coliform from livestock access
- . Summer low flows from water withdrawal and natural conditions
- . Atlantic salmon fish hatchery and development may contribute to upper basin withdrawal



Skookumchuck, Scatter Creek: Coho*, cutthroat, winter steelhead*, Spring Chinook*, and Fall Chinook (*denotes priority stock)



RESTORATION ACTIONS

RIPARIAN

- . Revegetate with native plants, control invasive species
- . Riparian fencing to exclude or reduce livestock access
- . Protect key properties of riparian habitat

FISH PASSAGE

- . Remove dams where feasible
- . Improve/add fishways
- . Continue steelhead supplementation provided by TransAlta
- . Correct barrier culverts

FLOODPLAIN

- . Assess floodplain for off-channel and wetland habitat
- . Install logjams to improve instream channel structure / diversity
- . Reconnect, enhance, restore off-channel, floodplain, & wetland
- . Find extent of impact from “floodplain” roads
- . Remove hard armoring (riprap) /use bioengineering techniques
- . Relocate gravel mining/harvesting away from shorelines, 100-year floodplains, and stream channels
- . Try to restore floodplain in Hanaford Creek

WATER QUALITY/QUANTITY: Scatter Creek

- . Revegetate with native plants
- . Riparian fencing to exclude or reduce livestock access
- . TMDL Implementation – Temperature, pH, fecal coliform
- . Conduct a water balance study