



BOISTFORT SUBBASIN

Chehalis River, Lake & Stillman Creeks

LIMITING FACTORS

RIPARIAN

- Extensive riparian degradation
- Logging and agricultural uses (loss of tree canopy)
- Primarily deciduous & lacking in late seral conifers
- Recruitment is low; local landowners remove wood
- Lake Creek — land cleared for agricultural uses

FISH PASSAGE

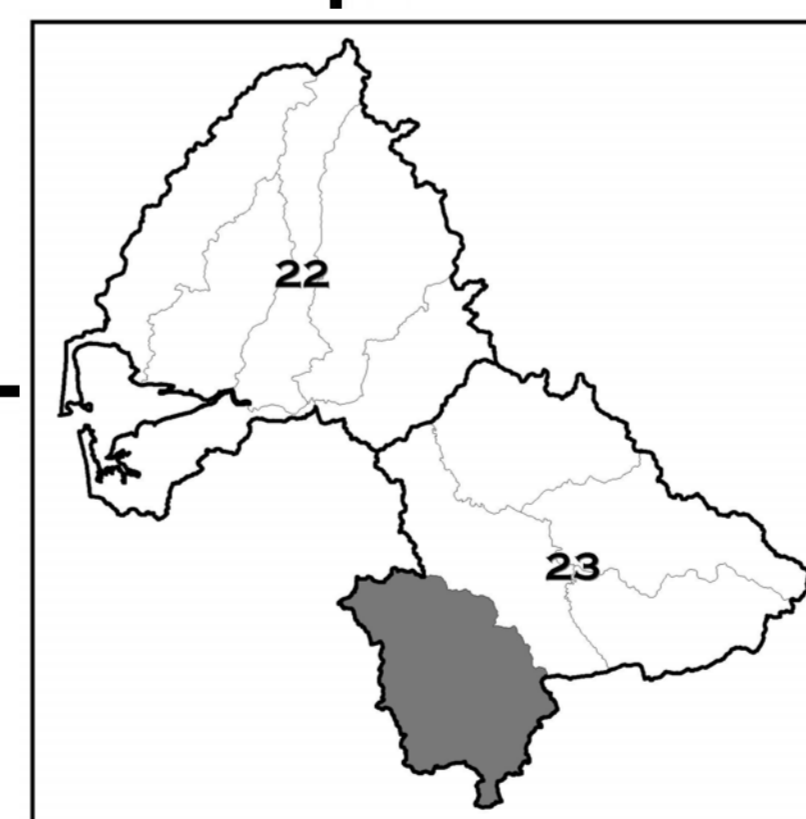
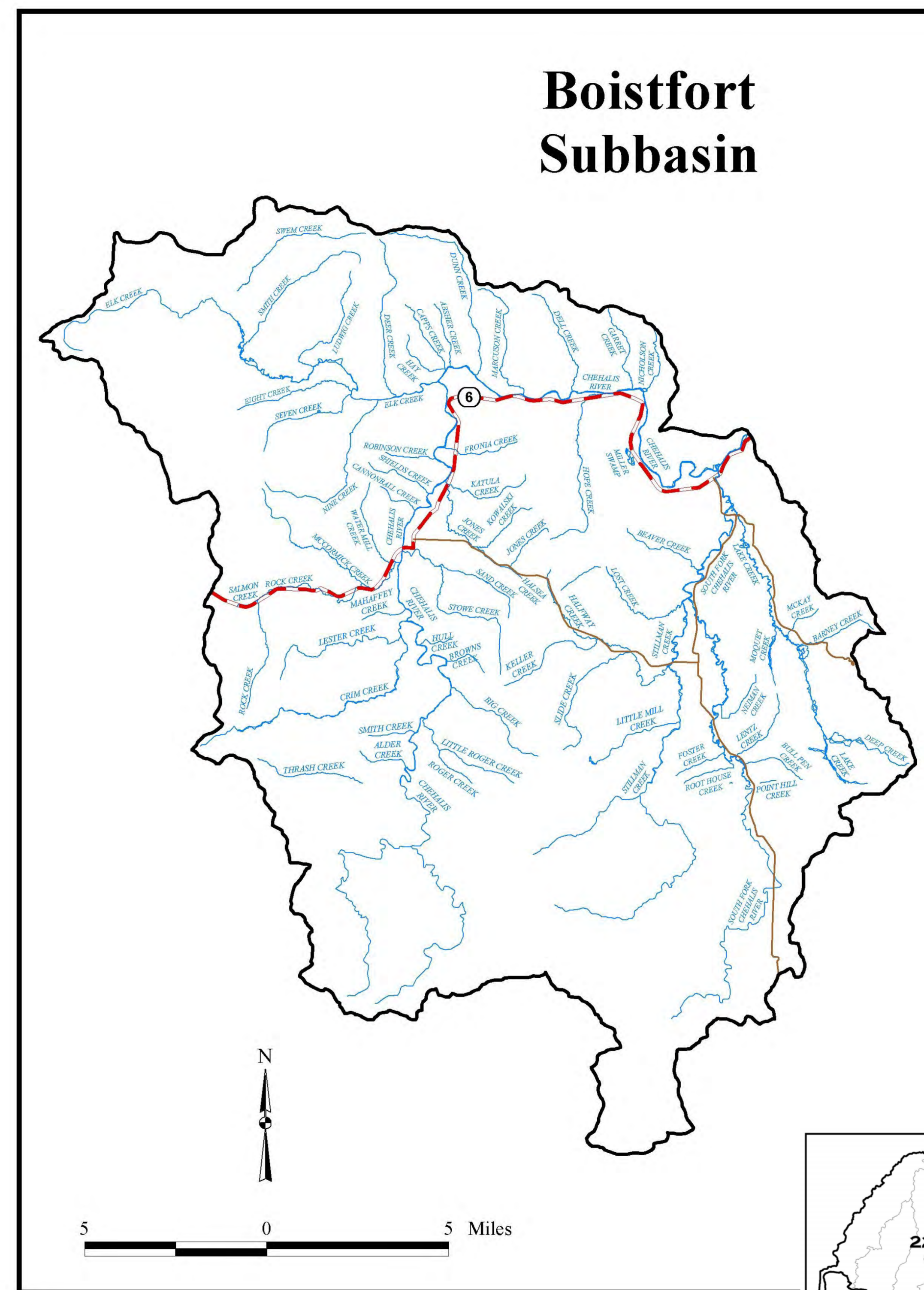
- Culvert barriers — of assessed culverts: 43 of 72 on the Upper Chehalis had barriers; 42 of 21 on the S.F. had barriers; 40 of 17 on the Stillman had barriers
- Roads built with improperly installed culverts

SEDIMENT

- Road density & bank failure
- Landslides from roads and timber harvest
- Logging and agricultural uses
- Stillman Creek has soft sedimentary rock that decomposes to fines, creating low quality spawning
- Channel incision (mainline roads) on Lost Creek

WATER QUALITY

- Lake Creek rated "suspected poor" from agriculture
- Stillman Creek suffers from heat generated by sunlight due to loss of riparian, agricultural uses and residential / urban development and from heat generated by low streamflows and morphology



Upper Chehalis, S.F. Chehalis River, Lake, Stillman Lost, Halfway, Keller, and Little Mill Creeks: Fall Chinook, Spring Chinook, coho, cutthroat trout, and winter steelhead

Lake Creek, Barney and Deep Creeks: Coho, cutthroat, and winter steelhead

RESTORATION ACTIONS

RIPARIAN

- Revegetate open areas with native plants
- Control invasive species
- Interplant conifers in deciduous dominant areas where appropriate
- Install riparian fencing to exclude or reduce livestock access

FISH PASSAGE

- Improve and add fishway passages
- Correct barrier culverts

SEDIMENT

- Identify roads that are contributing to sediment loading
- Reduce road densities by abandoning/decommissioning roads
- Implement alternative methods of bank stabilization
- Abandon roads on steep geologically sensitive areas
- Correct cross drains that may trigger mass wasting
- Upgrade logging roads

WATER QUALITY

- Implement Riparian Restoration Actions to provide shade and lower overheating

Chehalis River

