



HABITAT RECOMMENDATIONS:

Category 2 Habitat Priority: Supports important aquatic resources and are strongholds for one or more listed species. Compared to Category 1 areas, Category 2 areas have a higher level of fragmentation resulting from habitat disturbance or loss. These areas have a large number of sub-watersheds where native populations have been lost or are at risk for a variety of reasons. Restoring ecosystem function and connectivity within these areas are priorities.

Recommendations from the Draft Upper Columbia Spring Chinook Salmon, Steelhead, and Bull Trout Recovery Plan (UCSRB, 2005) and the Upper Columbia Biological Strategy (UCRTT, 2002):

- Increase connectivity by improving fish passage over Dam 5 in the lower Icicle Creek (UCSRB, 2005).
- Reduce sediment recruitment by restoring riparian vegetation between the mouth of the Icicle and the boulder field (RM 0-5.4) (UCSRB, 2005).
- Improve road maintenance to reduce fine sediment recruitment in the upper watershed (UCSRB, 2005).
- Increase habitat diversity and quantity by restoring riparian vegetation, reconnecting side channels, and reconnecting the floodplain with the channel in lower Icicle Creek (UCSRB, 2005).
- Use practical and feasible means to increase stream flows (within the natural hydrologic regime and existing water rights) in Icicle Creek (UCSRB, 2005).
- Protect remaining floodplain and riparian habitat downstream of Chatter Creek. Emphasis should be placed on habitat downstream of Leavenworth Hatchery (UCRTT, 2002).

- LEGEND**
- Instream Flow Rule**
- Proposed New ISF Control Points
 - 1983 ISF Flow Rule Control Points
- Chelan County Fish Barrier Inventory**
- Unknown if Barrier
 - Barrier
- Stream Gages**
- Ecology - Not Telemetry
 - Ecology - Telemetry
 - USGS - Not Telemetry
 - USGS - Telemetry
- 2004 - 303d List Category 5 Parameters**
- 4,4'-DDE
 - 4,4'-DDT
 - Fecal Coliform
 - Temperature
 - pH
 - Multiple Parameters

303d Listings with Multiple Parameters

DOE ID#	Parameters
2776	Dissolved Oxygen, pH

- Fish Distribution**
- Documented, Presumed and Potential Fish Distribution per SSHIAP**
- Bull Trout Only
 - Bull Trout, Spring and Summer Chinook and Summer Steelhead
 - Bull Trout, Spring and Summer Chinook, Sockeye and Summer Steelhead
 - Bull Trout and Summer Steelhead
 - Bull Trout, Spring Chinook and Summer Steelhead

- USFS Northwest Forest Plan**
- Administrative Withdrawn Areas (Not for Harvest)
 - USFS - Other
 - Late Successional Reserves (Not for Harvest)
 - Managed Late Successional Areas (Managed Harvest)
 - MATRIX (Active Harvest)
 - Congressionally Designated Wilderness
- Other Land Use Data**
- Channel Migration Zone
 - Private Forestland
 - WNF Roadless Areas
 - Other Land Ownership
- Scale in Miles: 0 to 2.5
 Map Projection: Washington State Plane, North Zone, NAD 83, Feet
 Source: Chelan County Conservation District, Chelan County Department of Natural Resources, Normandeau, USFS, USGS, WDFW, WSDOT, WSDOE

This figure was originally produced in color. Reproduction in black and white may result in loss of information

ICICLE CREEK SUB-WATERSHED
 Chelan/WRIA 45 Watershed Plan/WA

Drawn: AMN | Revision: 5 | Date: Apr. 26, 2006 | Figure: **9-5**