



**HABITAT RECOMMENDATIONS:**  
 Category 1 Habitat Priority: Most closely resembles natural, fully functional aquatic ecosystems. These sub-watersheds comprise large, connected blocks of high-quality habitat that support more than two listed species. Exotic species may be present but are not dominant in abundance. Protecting these areas is a priority, although restoration in some areas is also needed.

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 habitat quantity by restoring riparian habitat along the lower 4 miles of the Chiwawa River (UCSRB, 2005).
- Reduce sediment recruitment to the stream by improving road maintenance within the watershed (UCSRB, 2005).
- Improve fish passage in tributaries (UCSRB, 2005).
- Protect remaining floodplain and riparian habitat, particularly around Chikamin Flats (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

- 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- Administrative Withdrawn Areas (Not for Harvest)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 1.5  
 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

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

**CHIWAWA RIVER SUB-WATERSHED**  
 Chelan/WRIA 45 Watershed Plan/WA

Drawn: AMN | Revision: 5 | Date: Apr. 26, 2006 | Figure: **9-7**