



**HABITAT RECOMMENDATIONS:**  
 Category 3 Habitat Priority: May still contain sub-watersheds that support salmonids, but they have experienced substantial degradation and are strongly fragmented by habitat loss, especially through loss of connectivity with the mainstem corridor. The priority in these areas is to rectify the primary factors that cause habitat degradation.

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

- Re-establish connectivity throughout the assessment unit by removing, replacing, or fixing artificial barriers (culverts and diversions) (UCSRB, 2005).
- Use practical and feasible means to increase stream flows (within the natural hydrologic regime and existing water rights) in Mission Creek (UCSRB, 2005).
- Decrease water temperatures and improve water quality by restoring riparian vegetation along the stream (UCSRB, 2005).
- Reduce unnatural sediment recruitment to the stream by restoring riparian habitat and improving road maintenance (UCSRB, 2005).
- Increase habitat diversity and quantity by restoring riparian habitat, reconnecting side channels and the floodplain with the channel, increasing large woody debris within the channel, and by adding instream structures (UCSRB, 2005).

**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- Administrative Withdrawn Areas (Not for Harvest)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

**303d Listings with Multiple Parameters**

DOE ID#	Parameters
2897	pH, Temperature, Fecal Coliform
2900	4,4'-DDE, 4,4'-DDT, Dissolved Oxygen, Temperature, Fecal Coliform
2904	4,4'-DDE, 4,4'-DDT, Fecal Coliform, Guthion (azinphos-methyl), pH
2920	DDT, Fecal Coliform, Temperature
2926	Fecal Coliform, Temperature
2937	4,4'-DDE, 4,4'-DDT
2990	Fecal Coliform, Temperature

**Fish Distribution**  
 Documented, Presumed and Potential Fish Distribution per SSHAIP

- Spring Chinook and Summer Steelhead
- Summer Steelhead Only

0 1.5  
 Scale in Miles  
 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

**MISSION CREEK SUB-WATERSHED**  
 Chelan/WRIA 45 Watershed Plan/WA

Drawn: KBD    Revision: 6    Date: Apr. 26, 2006    Figure: **9-2**