Figure 1
Okanogan Subbasin General Vicinity Map

Legend
- Okanogan Subbasin
- Dams
- Rivers
- Water Bodies
- Major Highways

Data Layers: Subbasins (Streamnet and TRIM), Dams (Streamnet), Counties & Major Rivers (WA Ecology, TRIM), Highways (WashDOT, TRIM)
Projection: Washington State Plane North Zone NAD83
Produced by Jones & Stokes for KWA Ecological Sciences, Inc.
Map Date: 5/15/2004
Location of Okanogan Subbasin in Relation to Upper Columbia River Dams and Subbasins
Figure 3
Land Use Types in the U.S. Okanogan Subbasin

Legend
- Land Use (Okanogan County)
  - Cultural/Recreational
  - Manufacturing
  - Residential
  - Business
  - Transportation/Utilities
  - Irrigated Farming
- Land Ownership by Manager (WA DNR)
  - Tribal Lands
  - National Park Service
  - US Bureau of Land Management
  - US Fish and Wildlife Service
  - US Forest Service
  - Washington State Department of Fish and Wildlife
  - Washington State Parks and Recreation Commission

- Okanogan Subbasin
- Dams
- Rivers
- Water Bodies
- Major Highways

Data Layers: Land Use (Okanogan County), Counties & Major Rivers (WA Ecology), State Routes (WashDOT)
Projection: Washington State Plane North Zone NAD83
Produced by Jones & Stokes for KWA Ecological Sciences, Inc.
Map Date: 5/15/2004
Legend

U.S. Land Ownership by Manager
- National Park Service
- US Bureau of Land Management
- US Fish and Wildlife Service
- US Forest Service
- Washington State Department of Fish and Wildlife
- Washington State Parks and Recreation Commission
- Tribal Lands
- Private Lands

Okanogan Subbasin

Dams

Rivers

Water Bodies

Major Highways

Note: For purposes of this plan, not all areas depicted.
Data Layers: Land Ownership (WA DNR), Major Rivers and Water Bodies (WA Ecology, TRIM), Major Roads (WashDOT, TRIM)
Projection: Washington State Plane North Zone NAD83
Produced by Jones & Stokes for KWA Ecological Sciences, Inc.
Map Date: 5/15/2004

Figure 4
Land Ownership in the Okanogan Subbasin
Figure 7

The Okanogan Subbasin and Subwatersheds in Relation to Assessment Units

Legend

- Assessment Units
- Okanogan Subbasin
- Dams
- Rivers
- Water Bodies
- Major Highways

1 inch equals 15 miles

Data Layers: Assessment Units (TTFWI), Subbasins and Dams (Streamnet, TRIM), Counties & Major Rivers (WA Ecology, TRIM), Major Highways (WashDOT, ESRI)

Projection: Washington State Plane North Zone NAD83
Produced by Jones & Stokes for KWA Ecological Sciences, Inc.
Map Date: 5/15/2004
Figure 9
Vegetation Types in the U.S. Okanogan Subbasin

Legend
Vegetation Types (IBIS)
- Mesic Lowland Conifer-Hardwood Forest
- Mesic Oak and Dry Douglas-fir Forest and Woodlands
- Southwest Oregon Mixed Conifer-Hardwood Forest
- Montane Mixed Conifer Forest
- Interior Mixed Conifer Forest
- Lodgepole Pine Forest and Woodlands
- Ponderosa Pine and Interior White Oak Forest and Woodlands
- Upland Aspen Forest
- Subalpine Parklands
- Alpine Grasslands and Shrublands
- Mesic Grasslands
- Ceanothus-Manzanita Shrublands
- Western Juniper and Mountain Mahogany Woodlands
- Interior Canyon Shrublands
- Interior Grasslands
- Shrub-Steppe
- Dwarf Shrub-Steppe
- Desert Playa and Salt Scrub
- Agriculture, pasture, and Mixed Vegetation
- Urban and Mixed Environments
- Open Water
- Herbaceous Wetlands
- Mesic Riparian - Wetlands
- Montane Coniferous Wetlands
- Interior Riparian - Wetlands
- Coastal Dunes and Beaches
- Coastal Headlands and Islets
- Bays and Estuaries
- Marine Nearshore

Okanogan Subbasin
Dams
Rivers
Water Bodies
Major Highways

Data Layers: Vegetation (NWHI), Watersheds & Dams (Streamnet), Counties & Major Rivers (WA Ecology), State Routes (WashDOT)
Projection: Washington State Plane North Zone NAD83
Produced by Jones & Stokes for KWA Ecological Sciences, Inc.
Map Date: 5/15/2004
Figure 13
Fish Focal Species Distribution and Land Use in the U.S. Okanogan Subbasin

Legend
Focal Species Distribution
- Documented Presence
- Documented Trap And Haul
- Presumed Presence
- Potential Presence

Barriers
- Complete Blockage
- Partial Blockage

Land Use (Okanogan County)
- Cultural/Recreational
- Manufacturing
- Residential
- Business
- Transportation/Utilities
- Irrigated Farming

Land Ownership by Manager (WA DNR)
- Tribal Lands
- National Park Service
- US Bureau of Land Management
- US Fish and Wildlife Service
- US Forest Service
- Washington State Department of Fish and Wildlife
- Washington State Parks and Recreation Commission

Note: For purposes of this plan, not all areas depicted.
Note: No information on Pacific Lamprey distribution available.
Data Layers: Fish Distribution and Barriers (WDFW), Land Ownership (WA DNR), Land Use (Okanogan County), Counties & Major Rivers (WA Ecology), State Routes (WashDOT)
Projection: Washington State Plane North Zone NAD83
Produced by Jones & Stokes for KWA Ecological Sciences, Inc.
Map Date: 5/15/2004
Figure 13b
Major Water Rights Withdrawals and Irrigation Districts

Legend
- Surface Water Rights
- Irrigation Ditches
- Canals
- Irrigation Districts
- Water Right Places of Use
- Water Right Places of Use (Claims)
- Okanogan Subbasin
- Dams
- Rivers
- Water Bodies
- State Routes
- Counties

Note: Water Rights usage information is not complete.
Data Layers: Water Rights (WA Ecology), Irrigation Ditches (Okanogan County), Subbasins and Dams (Streamnet), Counties & Major Rivers (WA Ecology), State Routes (WashDOT)
Projection: Washington State Plane North Zone NAD83
Produced by Jones & Stokes for KWA Ecological Sciences, Inc.
Map Date: 5/15/2004
Okanogan Subbasin Sockeye Distribution (Golder 2001) and Sockeye Spawning Grounds Between Osoyoos and Vaseux Lakes (Hyatt 2003)
Figure 35

Okanogan Subbasin Summer/Fall Chinook Distribution

Legend

Summer/Fall Chinook Distribution
- Documented Presence
- Documented Trap And Haul
- Presumed Presence
- Potential Presence

Barriers
- Complete Blockage
- Partial Blockage

Okanogan Subbasin

Dams

Rivers

Water Bodies

Major Roads

Note: For purposes of this plan, not all areas depicted.
Data Layers: Fish Distribution (WDFW), Major Rivers (WA Ecology, TRIM), Major Roads (WashDOT, TRIM)
Projection: Washington State Plane North Zone NAD83
Produced by Jones & Stokes for KWA Ecological Sciences, Inc.
Map Date: 5/15/2004
Figure 36b
Okanogan Subbasin Spring Chinook Distribution

Legend
Spring Chinook Distribution
- Documented Presence
- - Documented Trap And Haul
- - - Presumed Presence
- - - - Potential Presence

Barriers
- Complete Blockage
- Partial Blockage

Okanogan Subbasin

Dams

Rivers

Water Bodies

Major Roads

Note: For purposes of this plan, not all areas depicted.
Data Layers: Fish Distribution (WDFW), Major Rivers (WA Ecology, TRIM), Major Roads (WashDOT, TRIM)
Projection: Washington State Plane North Zone NAD83
Produced by Jones & Stokes for KWA Ecological Sciences, Inc.
Map Date: 5/15/2004