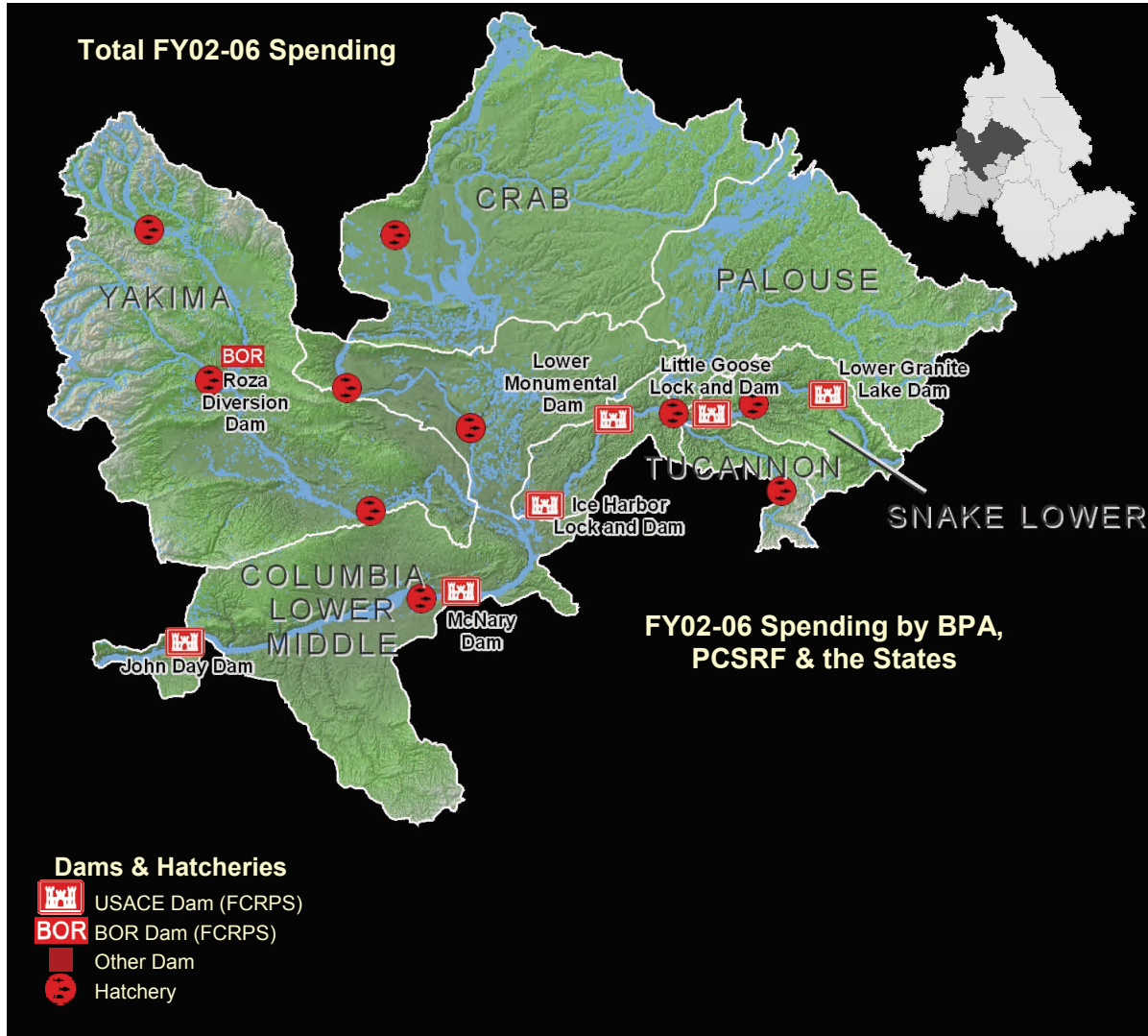


Columbia Plateau—North



The Columbia Plateau-North Province, located in central and eastern Washington, encompasses an area of 22,266 square miles. Subbasins in the Columbia Plateau-North Province include Crab Creek, Columbia Lower Middle, Palouse, Snake Lower, Tucannon, and the Yakima. Spring and fall Chinook, summer steelhead, and bull trout populations throughout the province are listed under the federal Endangered Species Act. Resources in this province have been impacted by extensive anthropogenic activities that have severely degraded riparian and in-stream habitat. In addition, natural hydrographs throughout the province have been severely altered due to hydro-operations, irrigation diversions, and forestry practices. Extensive portions of the principal streams within each of the subbasins are privately owned and managed for agricultural and forestry purposes.

Land Ownership	
Federal.....	9%
Private.....	85%
Tribal.....	6%

Hatchery Returns to Columbia Plateau-North Province Hatcheries in 2006

Hatchery	Spring Chinook	Summer Steelhead	Fall Chinook	Coho	Fall Chinook Upriver
Cottonwood Creek		2,001			
Dayton Rearing Ponds		50 ²			
Lyons Ferry	142 ²	1,722 ²	3,767 ²	144 ²	2,959 ²
Priest Rapids			10,578 ³		
Ringold Springs		210 ³	2,086 ³	4 ³	18 ²
Tucannon	76 ²	45 ²			
TOTAL	218	4,028	16,431	148	2,977

See Appendix A for the respective references for the footnotes listed in the above Table.

Thirteen fish species, including three races of Chinook and two life history forms of rainbow trout, are designated as focal species within the province. Three species are listed under the federal Endangered Species

Focal Species	Columbia Lower Middle	Crab Creek	Palouse	Snake Lower	Tucannon	Yakima
Bluegill						
Bull Trout						
Chinook-Spring						
Chinook-Summer						
Chinook-Fall						
Westslope Cutthroat Trout						
Coho						
Kokanee						
Largemouth Bass						
Pacific Lamprey						
Rainbow Trout						
Smallmouth Bass						
Sockeye						Extirpated
Steelhead—Summer						
Walleye						
Yellow Perch						

Not a focal species	Not listed	Species of Concern	Threatened	Endangered
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Major limiting factors and their primary causes in the province include:

- Water quality (sediment from land use and temperature from hydro-operations and withdrawals)
- Water quantity (land use and hydro-operations)
- Habitat access (mainstem dams; other obstructions)
- Habitat quality/quantity (reductions in woody debris and riparian habitat)
- Predation (avian and fish)

Wildlife Habitat Unit Losses Hydroelectric Facilities in the Columbia Plateau-North Province *		
Dam	Habitat Units Lost	Total HUs (minimum estimated+protected+protected+enhanced HUs)
John Day (OR)	18,280	14,057
John Day (WA)	18,280	11,019
McNary (OR)	4,710	8,406
McNary (WA)	18,834	32,810

*BPA. 2007. Wildlife Crediting for BPA's Fish and Wildlife Program. Bonneville Power Administration, Portland, OR.

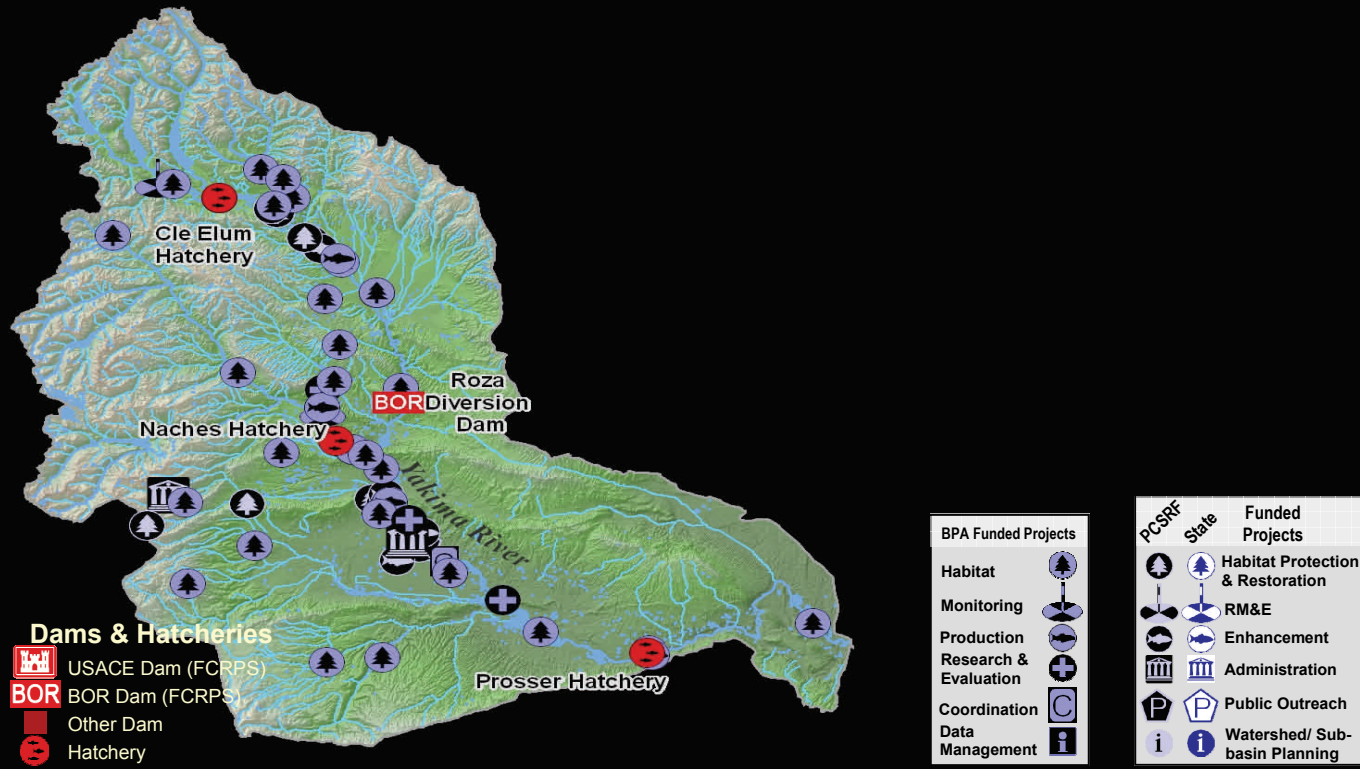


Columbia Plateau—North

Total FY02-06 Spending

FY02-06 Spending by
BPA, PCSRF & the States

Combined FY02-06 Spending
by Type of Project Sponsor



BPA-Funded Projects: Select Fiscal Year 2006 Project Accomplishments*

Measure Type	Action	Habitat Zone	Value
Acres treated	Plant vegetation, conducted control burn	Riparian; Upland: Wetland	497.3 acres
Fence miles installed	Install fence	Riparian; Upland	30.70 miles
Habitat miles accessed	Remove/install diversion	Riparian	4.29 miles
Miles planted	Plant vegetation	Riparian	4.29 miles
Miles protected	Lease land	Riparian	75.30 miles

Wildlife Priority Focal Habitat

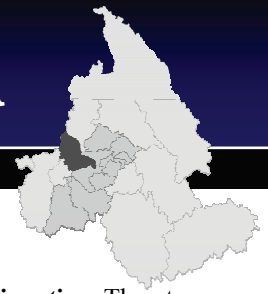
- Montane coniferous wetlands
- Ponderosa pine/Oregon white oak
- Shrub-steppe/interior grasslands
- Interior wetlands

* BPA Pisces data—For a comprehensive list, please visit www.cbfga.org/sotr

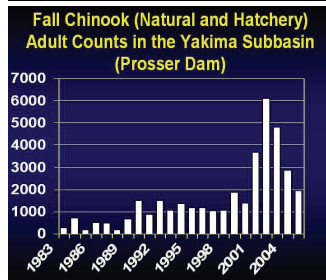
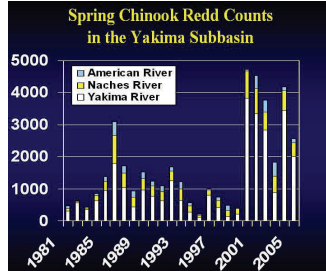
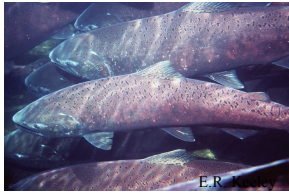
Limiting Factors and Primary Causes (Fish)

Focal Species	Life Stage	Limiting Factor	Cause
All	All	Water quality (sediment, contaminants)	Land use; roads
Chinook	Juveniles (summer)	Habitat quality/quantity	Land use; withdrawals
	Juveniles	Predation	Introduced species
	Adults	Habitat access	Obstructions
Steelhead	Adults	Water quality (temperature)	Land use; withdrawals
	Juveniles (summer)	Habitat quality/quantity	Land use; withdrawals
	Adults	Habitat access	Obstructions
Sockeye	Adults	Water quality (temperature)	Land use; withdrawals
	Adults	Habitat access	Obstructions
	Adults	Habitat access	Obstructions
Bull trout	Juveniles	Habitat quality/quantity	Land use
	Adults-spawning	Habitat quality/quantity	Land use
Pacific lamprey	All	Habitat quality/quantity	Land use

Subbasin: Yakima



Chinook



Sockeye



Spring

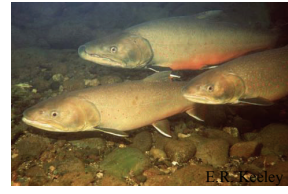
Federal Designation: None
ESU: None
Biological Objective: Fish technical committee could not come to consensus on abundance targets¹
Status: 768 redds (2005)²

Fall

Federal Designation: None (not native to the subbasin)
ESU: None
Biological Objective: Fish technical committee could not come to consensus on abundance targets¹
Status: 1,920 adults (natural and hatchery) at Prosser Dam (2005)²

Federal Designation: None (extirpated)
ESU: None
Biological Objective: Fish technical committee could not come to consensus on abundance targets¹
Status: Extirpated

Bull Trout



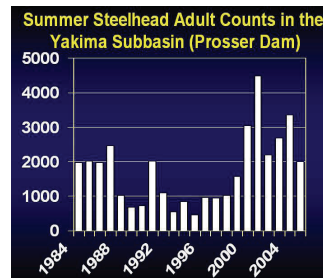
Federal Designation: Threatened
Core Population: Yakima (Within Middle Columbia River Recovery Unit)
Biological Objectives: Fish technical committee could not come to consensus on abundance targets¹
 -2,550 – 3,050 adults⁶
Status: 2,550 – 3,050 adults⁶

Pacific Lamprey



Federal Designation: Species of concern
Biological Objectives: Fish technical committee could not come to consensus on abundance targets¹
Status: Fewer than 15 have been identified in the subbasin since 1999⁷

Steelhead



Summer

Federal Designation: Threatened
ESU: Middle Columbia
Biological Objective: Fish technical committee could not come to consensus on abundance targets¹
 -2,000 natural adults escape-ment³
 -2,400 adults to Satus/Toppenish⁴
 -3,400 adults to Naches⁴
 -1,800 adults Mainstem (Wapato to Roza)⁴
 -2,900 adults Mainstem (above Roza)⁴
Status: 1,995 natural adults at Prosser Dam (2005)⁵

BPA-Funded Wildlife Projects in the Yakima Subbasin

Project	Sponsor	Acres	HU	Habitat Type
Sunnyside Wildlife Mitigation	Washington Department of Fish and Wildlife			
Wilson Creek Snowden Acquisition	Washington Department of Fish and Wildlife			
Wenas Wildlife Area Operations and Maintenance	Washington Department of Fish and Wildlife			
Oak Flat Acquisition	Washington Department of Fish and Wildlife			

¹ Yakima Subbasin Fish and Wildlife Planning Board. 2004. Yakima Subbasin Plan. A Report Prepared for the Northwest Power and Conservation Council. Portland, Oregon.
² Anonymous. Counts of adult coho, fall Chinook, Spring Chinook, and Steelhead at Prosser Dam. Unpublished. (via StreamNet)
³ WDFW. 2002. Salmonid Stock Inventory. Washington Department of Fish and Wildlife. (via <http://wdfw.wa.gov/fish/sasi/>)
⁴ NMFS. 2002. National Marine Fisheries Service Interim Abundance and Productivity Targets for Interior Columbia Basin Salmon and Steelhead Listed under the Endangered Species Act.
⁵ Groesbeck, M. Washington Department of Fish and Wildlife. Personal Communication.
⁶ U.S. Fish and Wildlife Service. 2003. Chapter 21, Middle Columbia Recovery Unit 20, Washington. 86p. In: U.S. Fish and Wildlife Service. Bull Trout (*Salvelinus confluentus*) Draft Recovery Plan. Portland, Oregon.
⁷ Wydoski, R.S. and R.R. Whitney. 2003. Inland Fishes of Washington, second edition, revised and expanded. University of Washington Press, Seattle.