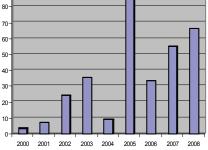
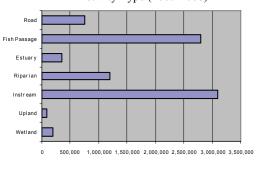


Funding for Region-wide Habitat Project Types

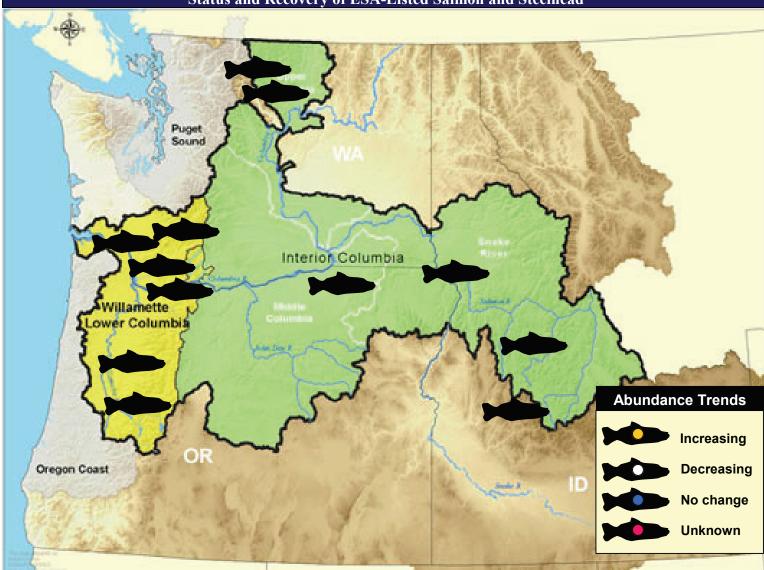
BPA Funding for Habitat Restoration by Year (in millions)



BPA Funding for Habitat Restoration by Activity Type (2007-2008)

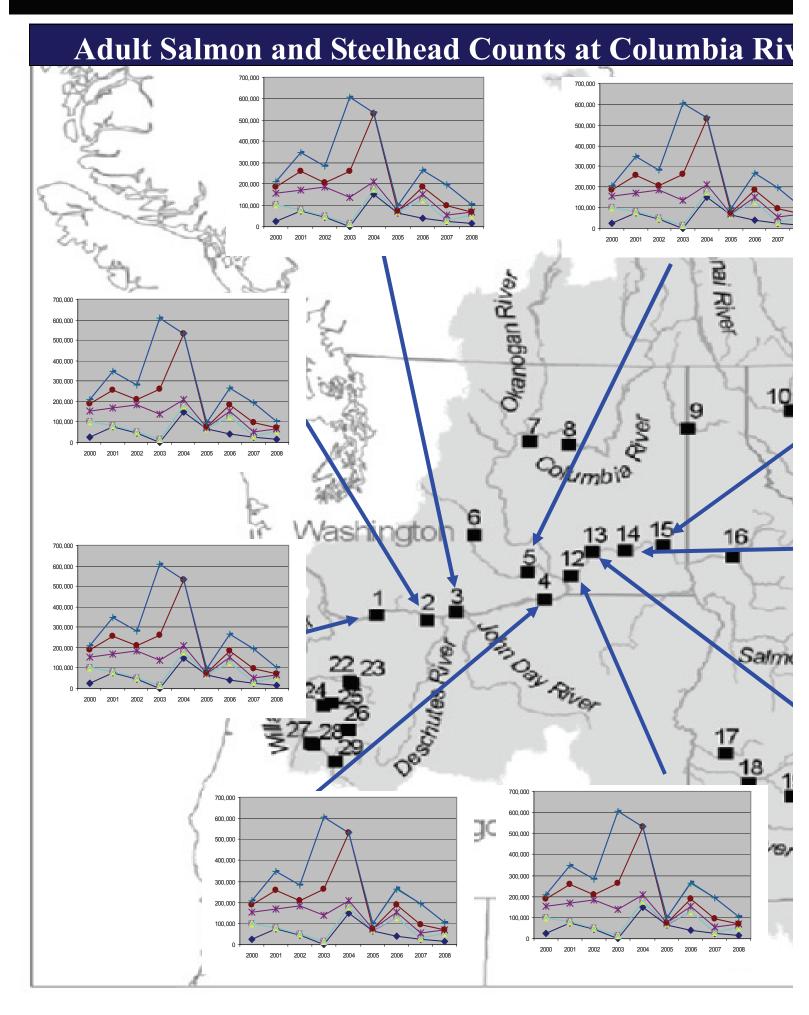


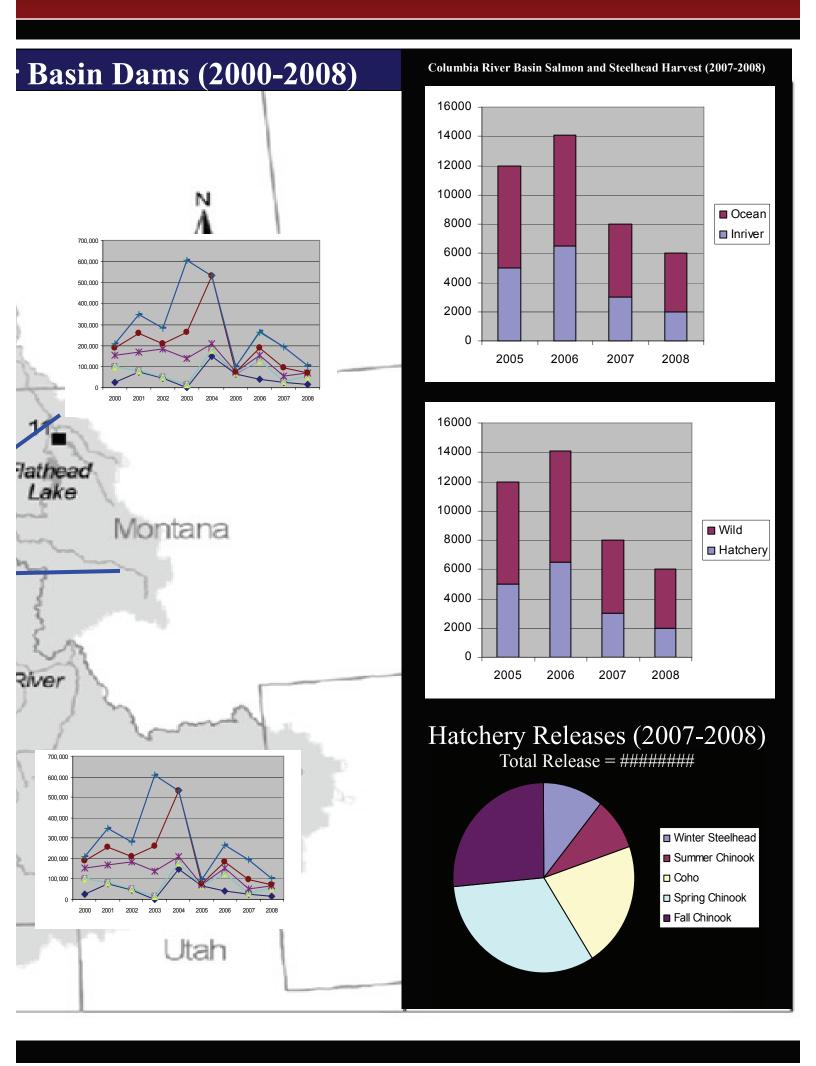
BPA 2008 Region-wide Habitat Status							
Project-type	Performance indicator	2000-2008 Average					
Instream habitat projects	2,000 stream miles treated	1,850					
Wetland habitat projects	8,445 acres created 20,100 acres treated 9,335 acres restored	7,500 16,345 8,250					
Estuarine habitat projects	1,045 acres created 3,560 acres treated 2,845 acres restored	900 2,980 1,975					
Land acquisition projects	132,00 acres acquired/protected 390 stream bank miles acquired protected	145,000 410					
Riparian habitat projects	4,125 stream miles treated 25,600 acres treated	5,010 23,390					
Upland habitat projects	410,360 acres treated 45,980 acres restored	345,500 60,790					
Fish passage projects	3,845 barriers removed 7,900 stream miles accessed 375 fish screens installed	2,230 6,650 285					
Watershed planning and assessment projects							
Research, monitoring, and evaluation projects	60,000 miles of streams monitored 135 assessments completed	58,350 105					
Water acquisition projects	3,060 acre –feet of water restored to streams	2,450					
Road projects	350 miles corrected	220					

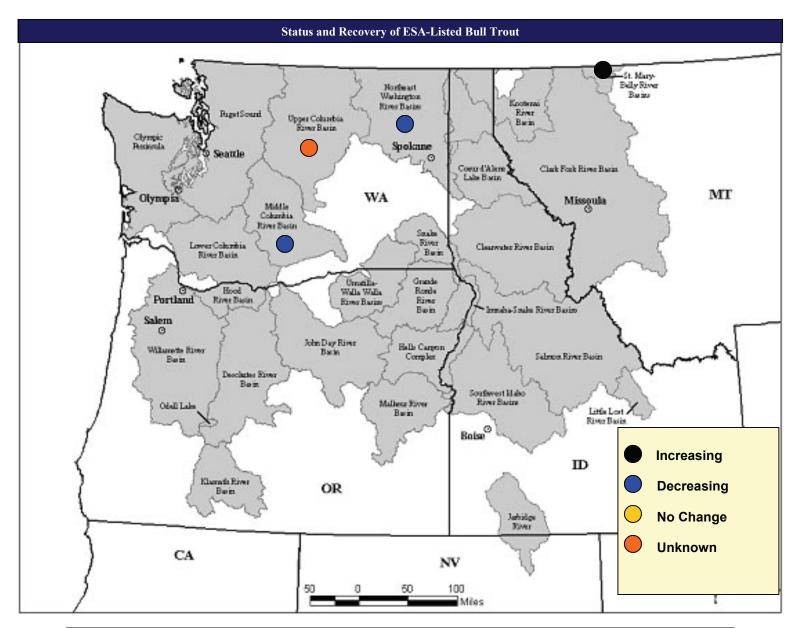


Status and Recovery of ESA-Listed Salmon and Steelhead

Species	ESU/DPS	Federal Designation (year listed)	Estimated Average Historical Abundance (circa 1900)	2007 Adult Returns (% hatchery and wild)
Chum Salmon	Columbia River	Threatened (1999)		
Chinook Salmon	Snake River Fall	Threatened (1992)		
	Snake River Spring/Summer	Threatened (1992)		
	Lower Columbia River	Threatened (1999)		
	Upper Columbia River Spring	Endangered (1999)		
	Upper Willamette River	Threatened (1999)		
Steelhead	Snake River Basin	Threatened (1997)		
	Lower Columbia River	Threatened (1998)		
	Middle Columbia River	Threatened (1999)		
	Upper Columbia River	Endangered (1997)		
	Upper Willamette River	Threatened (1999)		
Sockeye Salmon	Snake River	Endangered (1991)		
Coho	Lower Columbia River	Threatened (2005)		







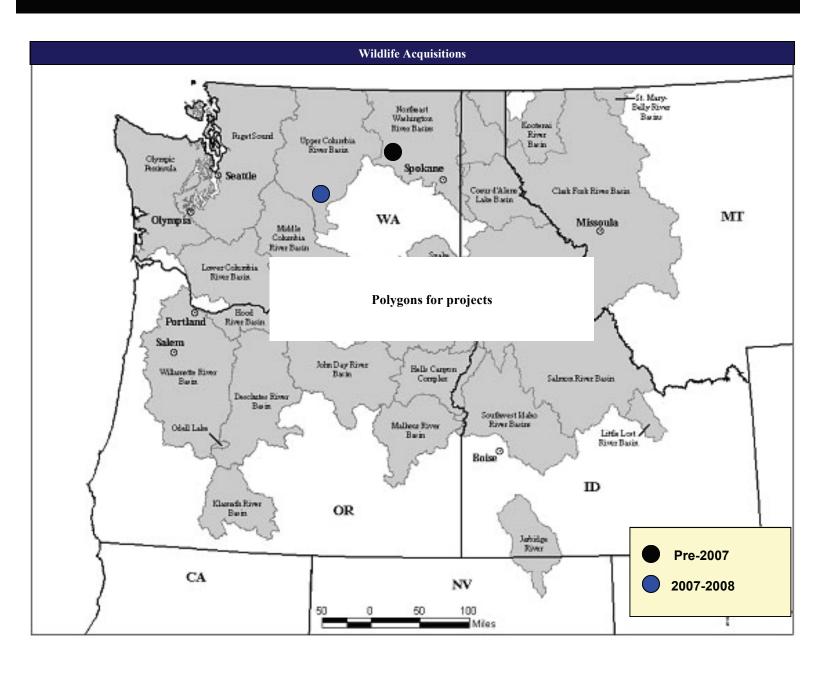
Recovery Unit	Number of Local Populations	Number of Adult Spawners	Recovery Unit	Number of Local Populations	Number of Adult Spawners
Clark Fork River			Coeur d'Alene Lake Basin		
Kootenai River			Clearwater River		
Willamette River			Salmon River		
Hood River			Southwest Idaho		
Deschutes River			Little Lost River		
Odell Lake			Lower Columbia River		
John Day River			Middle Columbia River		
Umatilla-Walla Walla River			Upper Columbia River		
Grande Ronde River			Northeast Washington		
Imnaha-Snake River			Snake River Washington		
Hells Canyon Complex			Jarbidge River		
Malheur River					

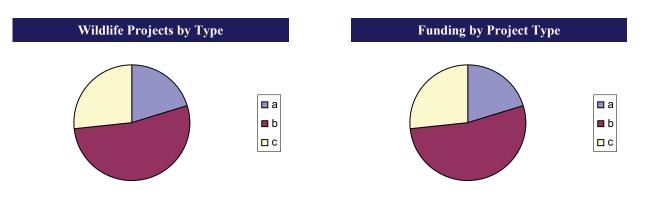
-St. Mary-Belly River Northeast Washington Rives Backs Bain **RugetSound** River Barin Upper Columbia Sizer Barin Chympic Resincula Spokane attle Courd'Alen Lale Bain Clark Fork River Bar MT WA Olyn Missoula Middle Columbia River Basis Snake River Barin Lower Columbia River Basis CI. Gnade Ronde River Barin Unstilla-Walls Walls River Barin Portland Hood River I ales Ri er Basis 150 Salem O John Day River Barin Halls Carge Complex Willamette Sin Barin Salmon River Basin Be Southwest Main River Bastre Odall Lak Mally 280 Little Lost / River Basin Bar Boise ID Klarath R: Barin OR Historic Distribution Jabidge River Present CA NV U Absent 100 60 50 0 ł Miles 1

Status and Recovery of Pacific Lamprey

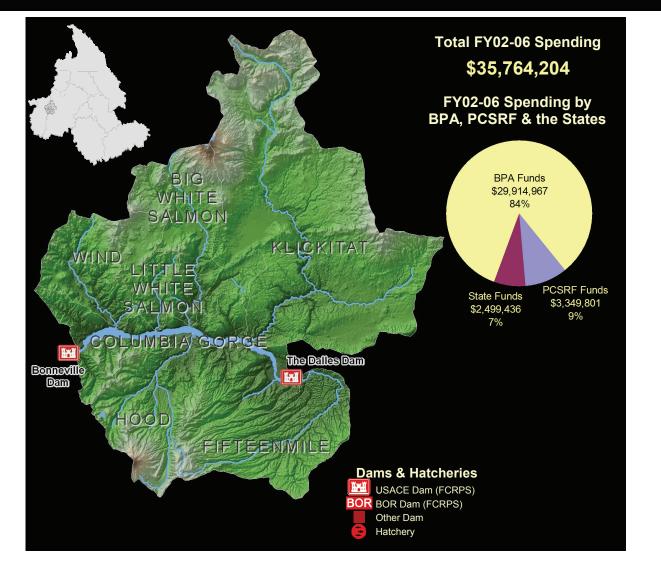
Information to be included in this section :

- Dam Counts
- Projects
- Funding





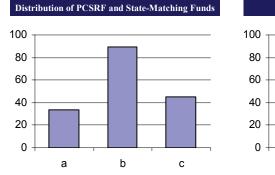
Wildlife Habitat Losses Hydroelectric Facilities in the Columbia River Basin								
Dam	Habitat Units Lost	Goals	HUs Credited	% Mitigated	% of Projects with Long- term Management Funds Agreement			
Bonneville (OR)	6,159							
Bonneville (WA)	6,159							
The Dalles (OR)	1,165							
The Dalles (WA)	1,165							

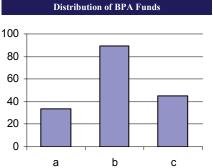


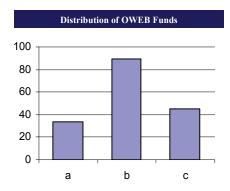
 \mathcal{F} he Columbia Gorge Province is bounded by Bonneville Lock and Dam at river mile 145 and The Dalles Dam at river mile 191 on the Columbia River, and encompasses an area of 3,293 square miles. Subbasins in the Columbia Gorge Province include the Big White Salmon River, Columbia Gorge Mainstem (i.e., Bonneville Reservoir), Hood, Fifteenmile, Klickitat, Little White Salmon, and Wind. Chinook (spring and fall), chum, steelhead (summer and winter), and bull trout populations throughout the province are listed under the federal Endangered Species Act. This province is characterized by a complex geologic structure and vegetation pattern. Fed by glaciers in the Oregon and Washington Cascades, the rivers in the province flow from high elevation coniferous forests and transition through fruit orchards and

27%
56%
17%

other irrigated agriculture in the lowlands before entering the Columbia River. Forestry, ranching, agriculture, orchards, and tourism are significant factors in the economy of communities in the province.

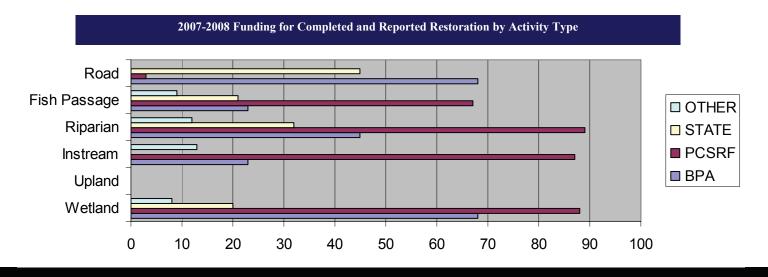




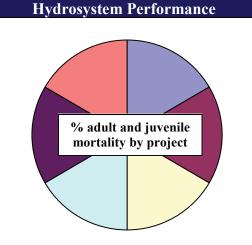


	Major Habitat Factors Limiting Recovery in the Columbia Gorge Province								
Major Limiting Factors	Big White Salmon	Columbia Gorge	Fifteenmile	Hood	Klickitat	Little White Salmon	Wind		
Physical habitat quality/quantity	•	•		•					
Water quality			•	•		•			
Water quantity	•	•							
BPA projects ad- dressing major habitat limiting factors									

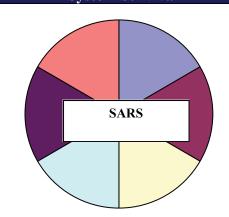
Habitat Status in the Columbia River Gorge Province						
Project-type	Performance indicator	2000-2008 Average				
Instream habitat projects	2,000 stream miles treated	1,850				
Wetland habitat projects	8,445 acres created 20,100 acres treated 9,335 acres restored	7,500 16,345 8,250				
Estuarine habitat projects	1,045 acres created 3,560 acres treated 2,845 acres restored	900 2,980 1,975				
Land acquisition projects	132,00 acres acquired/protected 390 stream bank miles acquired protected	145,000 410				
Riparian habitat projects	4,125 stream miles treated 25,600 acres treated	5,010 23,390				
Upland habitat projects	410,360 acres treated 45,980 acres restored	345,500 60,790				
Fish passage projects	3,845 barriers removed 7,900 stream miles accessed 375 fish screens installed	2,230 6,650 285				
Watershed planning and assessment projects						
Research, monitoring, and evaluation projects	60,000 miles of streams monitored 135 assessments completed	58,350 105				
Water acquisition projects	3,060 acre –feet of water restored to streams	2,450				
Road projects	350 miles corrected	220				







System Survival

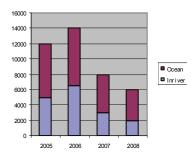


Hatchery Releases and Returns to Hatcheries in the Hood Subbasin Hatchery Spawners (Target and Non-target) Hatchery Released Species Carson Spring Chinook Klickitat Spring Chinook Little White Salmon Spring Chinook Fall Chinook (Upriver) Coho **PowerDale Dam** Spring Chinook Fall Chinook Summer Steelhead Winter Steelhead Coho Spring Creek Fall Chinook (Tule) Total

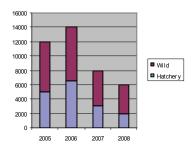
Salmon and Steelhead Harvest

Total Harvest ########

Location (River/Ocean)



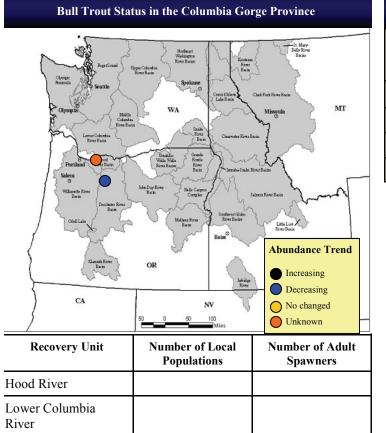
Hatchery vs Wild



Status and Recovery of ESA-Listed Salmon ad Steelhead in the Columbia Gorge Province

Potential information to be included in this section:

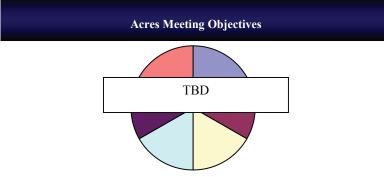
- Abundance
 - -total spawners and NORs relative to aggregate ESU target
 - -MPGs meeting targets
 - -Trend: MPGs increasing, stable, decreasing
- Productivity
 - -MPGs meeting targets
 - -Trend: MPGs increasing, stable, decreasing
- -SARs
- Spatial Structure
 - -MPGs meeting targets
 - -Trend: MPGs increasing, stable, decreasing
 - -% accessible area utilized
- Diversity
- -MPGs meeting targets
 - -Trend: MPGs increasing, stable, decreasing



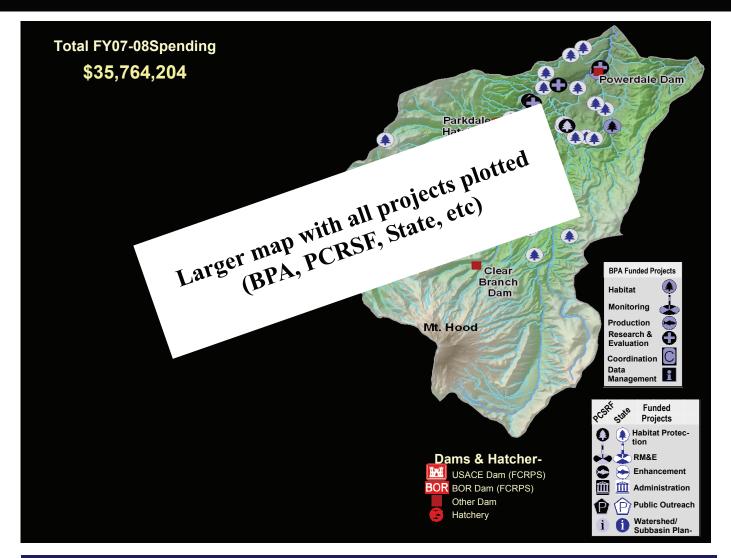
Wildlife Habitat Losses Hydroelectric Facilities in the Columbia Gorge Province^{*}

Dam	HUs Lost	Goals	HUs Credited	% Mitigated	% of Projects with Long-term Management Funds Agreement
Bonneville (OR)	6,159				
Bonneville (WA)	6,159				
The Dalles (OR)	1,165				
The Dalles (WA)	1,165				

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

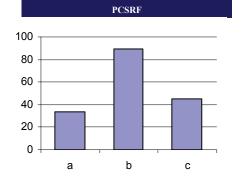


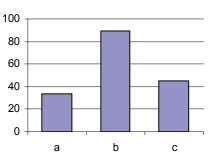
Pie chart represents six subbasins sampled in the Columbia Gorge Province during 2007-2008.

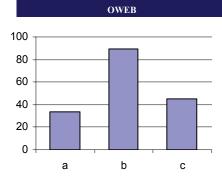


2000-2008 Funding Sources

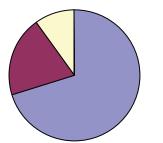
BPA

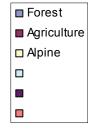




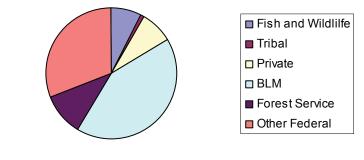


Land Cover





Land Ownership

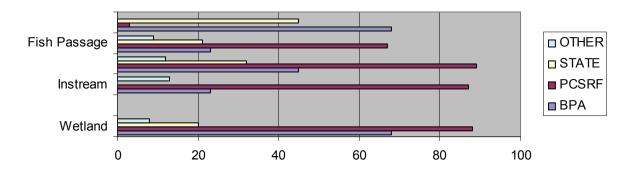


Subbasin: Hood

	Major Habitat Factors Limiting Recovery in the Hood Subbasin								
Major Limiting Factors	Summer Steelhead	Winter Steelhead	Spring Chinook	Fall Chinook	Bull Trout	Coastal Cut- throat Trout	Pacific Lamprey		
Physical habitat quality/quantity	•	•		•					
Water quality			•	•		•			
Water quantity	•	•							
BPA projects addressing major habitat limiting factors									

2007-2008 BPA –funded Habitat Projects in the Hood Subbasin						
Project-type	Performance indicator	2000-2008 Average				
Instream habitat projects	2,000 stream miles treated	1,850				
Land acquisition projects	132,00 acres acquired/protected 390 stream bank miles acquired protected	145,000 410				
Riparian habitat projects	4,125 stream miles treated 25,600 acres treated	5,010 23,390				
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Watershed planning and assessment projects						
Research, monitoring, and evaluation pro- jects	60,000 miles of streams monitored 135 assessments completed	58,350 105				
Water acquisition projects	3,060 acre –feet of water restored to streams	2,450				
Road projects	350 miles corrected	220				

2007-2008 Funding for Completed and Reported Restoration by Activity Type



Steelhead





Steelhead (Natural) Escapement to the Powerdale Dam

Pacific Lamprey



Summer

Federal Designation: Threatened *ESU*: Lower Columbia *Biological Objective*: 600 adults¹ *Status*: 168 natural adults (2006)² *Trend*: (Increasing/Stable/ Decreasing/Unknown) *Wild Juvenile Production:* % *MSA Occupied: Lambda:*

Winter

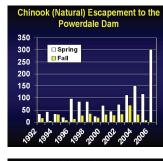
Federal Designation: Threatened *ESU*: Lower Columbia *Biological Objective*: 1,100 adults¹ *Status*: 597 adults (2005)² *Trend*: (Increasing/Stable/ Decreasing/Unknown) *Wild Juvenile Production*:

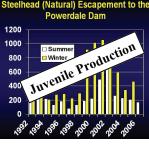
% MSA Occupied: Lambda

Federal Designation: Species of Concern *Biological Objective*: None *Status*: Unknown

Chinook







Spring

Federal Designation: Threatened *ESU*: Lower Columbia *Biological Objectives*: 125 natural adults¹ *Status*: 302 adults and jacks (2006)² *Trend*: (Increasing/Stable/ Decreasing/Unknown) *Wild Juvenile Production:* % *MSA Occupied: Lambda:*

Fall

Federal Designation: Threatened *ESU*: Lower Columbia *Biological Objective*: 1,400 natural adults (TRT) *Status*: 8 adults and jacks (2005)² *Trend*: (Increasing/Stable/ Decreasing/Unknown) *Wild Juvenile Production:* % *MSA Occupied: Lambda*

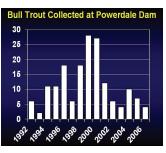
Hatchery Releases and Returns to Hatcheries in the Hood Subbasin								
Hatchery	Species	Released	Returns to Hatchery	Harvest	Harvest Fraction	PNI		
	Spring Chinook							
	Summer Steelhead							
	Winter Steelhead							
	Fall Chinook							
Total								

¹ Coccoli, H. and 9 coauthors. 2004. Hood River Subbasin Plan including Lower Columbia Gorge Tributaries. A Report Prepared for the Northwest Power and Conservation Council. Portland, Oregon.
² Olsen, W. A. 2007. Hood River and Pelton Ladder Evaluation Studies: Annual Report 2006. Oregon Department of Fish and Wildlife. Salem, Oregon. (via Stream-Net)

Subbasin: Hood

Bull Trout



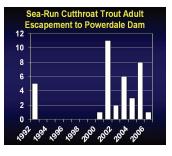


Federal Designation: Threatened

Core Population: Hood (Within Hood River Recovery Unit) *Biological Objective*: ≥500 adults¹ *Status*: 4 adults passed Powerdale Dam (2006)²

Coastal Cutthroat Trout





Resident

Federal Designation: Species of Concern *Biological Objective*: None *Status*: Unknown

Sea-Run

Federal Designation: Species of Concern *Biological Objective*: None *Status*: 1 adult passed Powerdale Dam (2006)²

Wildlife Priority Focal Habitat

Big game winter range Riparian habitat Oak-pine woodland

ADDITIONAL WILDLIFE INFORMATION TBD

BPA-Funded Wildlife Projects in the Hood Subbasin

No BPA-funded wildlife projects exist in this subbasin

¹ Coccoli, H. and 9 coauthors. 2004. Hood River Subbasin Plan including Lower Columbia Gorge Tributaries. A Report Prepared for the Northwest Power and Conservation Council. Portland, Oregon.
² Olsen, W. A. 2007. Hood River and Pelton Ladder Evaluation Studies: Annual Report 2006. Oregon Department of Fish and Wildlife. Salem, Oregon. (via Stream-Net)