

2007



COLUMBIA
BASIN
FISH AND
WILDLIFE
AUTHORITY



Northwest
Power and
Conservation
Council

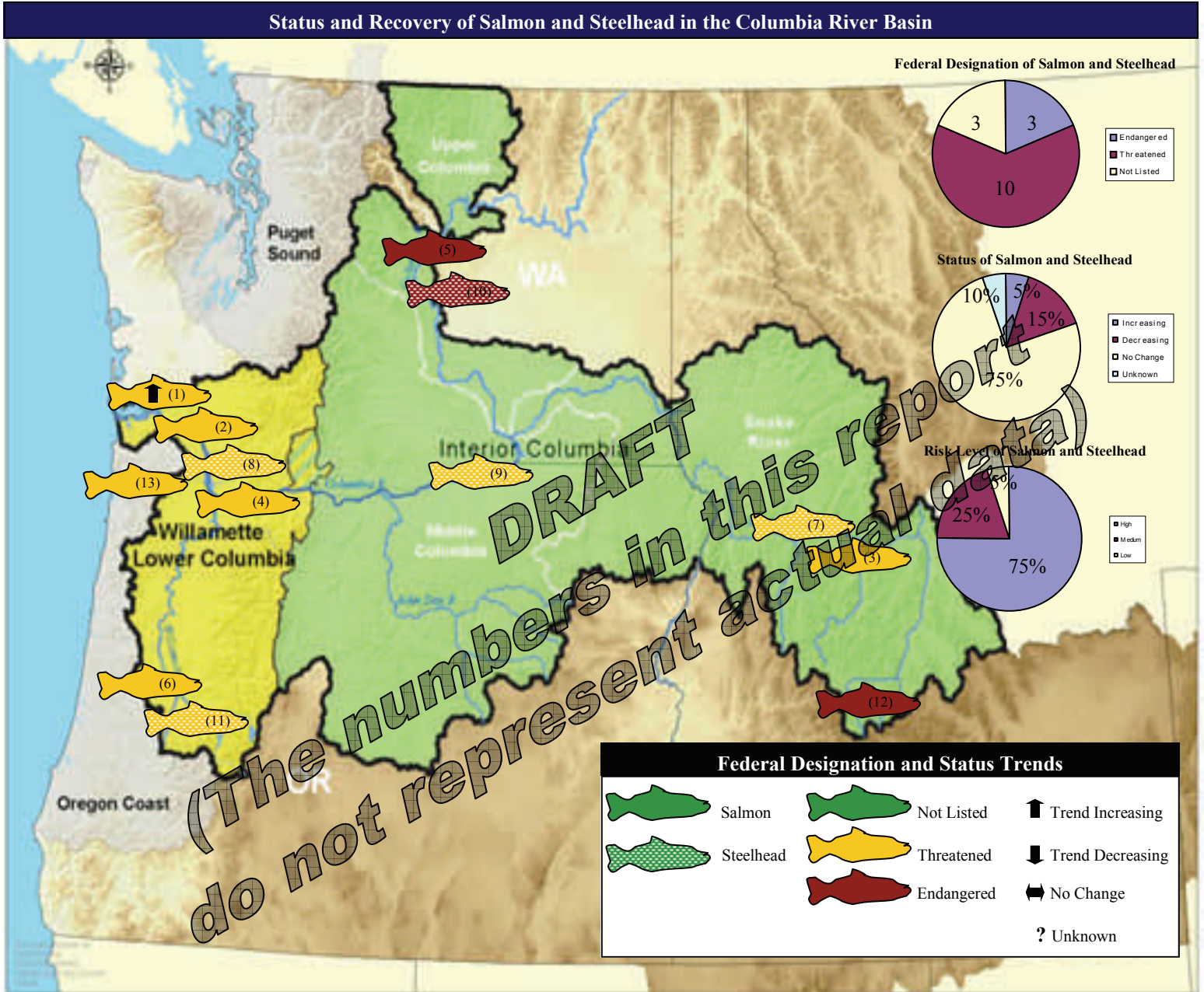
BONNEVILLE
POWER ADMINISTRATION



DRAFT
Status of Fish and Wildlife Resources in the Columbia River Basin
(The numbers in this report do not represent actual data)

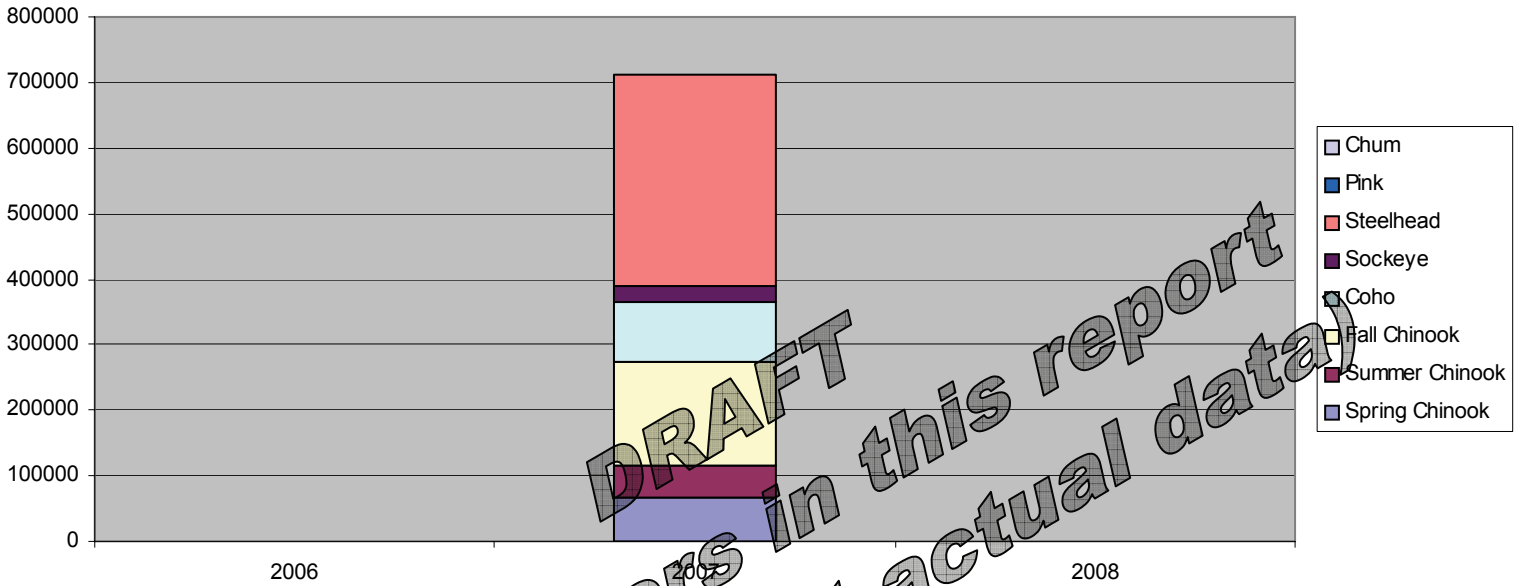
Columbia River Basin

Status and Recovery of Salmon and Steelhead in the Columbia River Basin

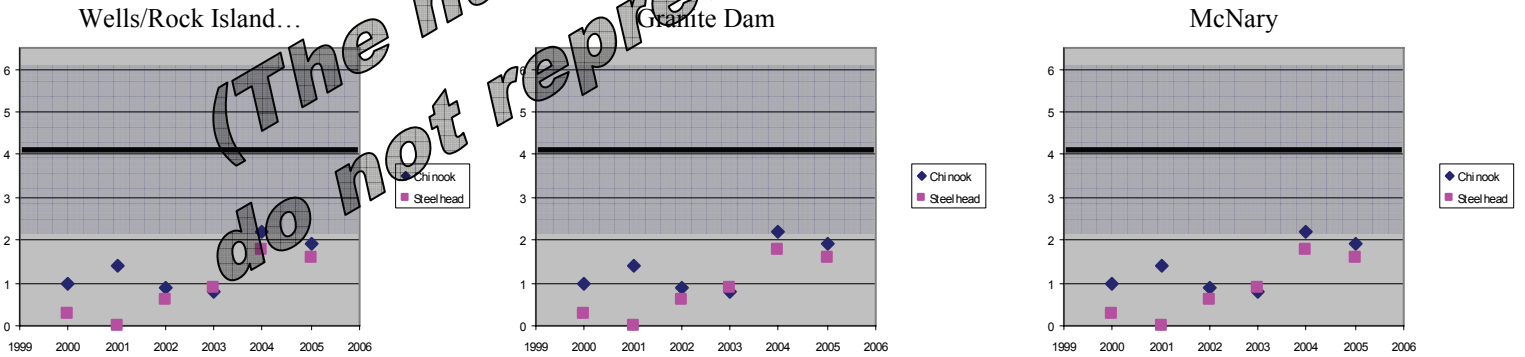


Recovery Domain	ESU/DPS	Federal Designation (year listed)	Recovery Goal	Status	Risk Level
Willamette/Lower Columbia	Columbia River Chum (1)	Threatened (1999)		Increasing, Decreasing, No Change, Unknown	High, Medium, Low
	Lower Columbia River Chinook (2)	Threatened (1999)			
	Upper Willamette River Chinook (3)	Threatened (1999)			
	Lower Columbia River Steelhead (4)	Threatened (1998)			
	Lower Columbia River Coho (5)	Threatened (2005)			
	Upper Willamette River Steelhead (6)	Threatened (1999)			
Interior Columbia	Snake River Fall Chinook (7)	Threatened (1992)			
	Snake River Spring/Summer Chinook (8)	Threatened (1992)			
	Upper Columbia River Spring Chinook (9)	Endangered (1999)			
	Snake River Basin Steelhead (10)	Threatened (1997)			
	Middle Columbia River Steelhead (11)	Threatened (1999)			
	Upper Columbia River (13)	Endangered (1997)			
	Snake River Sockeye (14)	Endangered (1991)			

Adult Salmon and Steelhead Counts at Bonneville Dam (1938-2008)



Smolt-to-Adult Return



SAR Ratio Transportation to Transport-In-River Survival



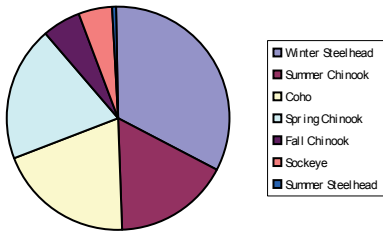
System Survival

To Be Determined

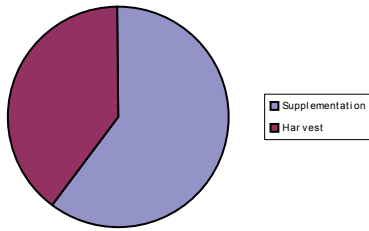
Columbia River Basin

Hatchery Production of Salmon and Steelhead in the Columbia River Basin (2007-2008)

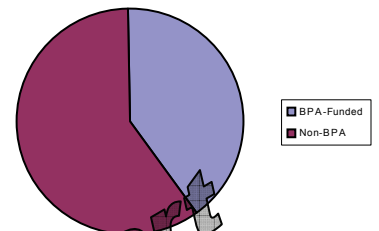
Hatchery Releases
Total Release = #####



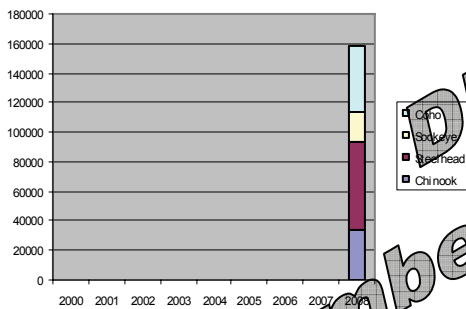
Hatchery Releases by Production Type



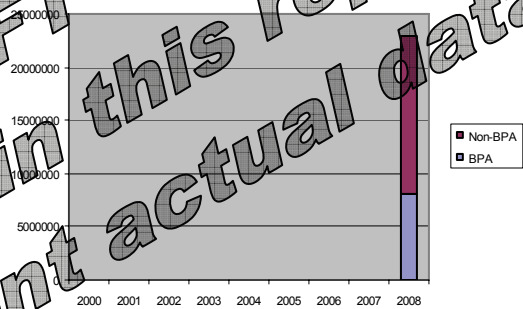
Hatchery Releases by Entity



Returns by Species to Hatcheries



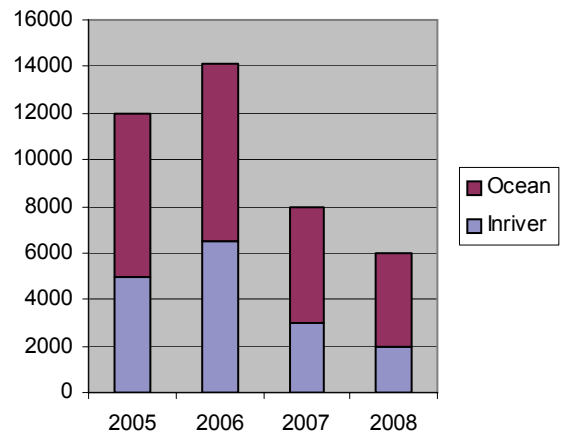
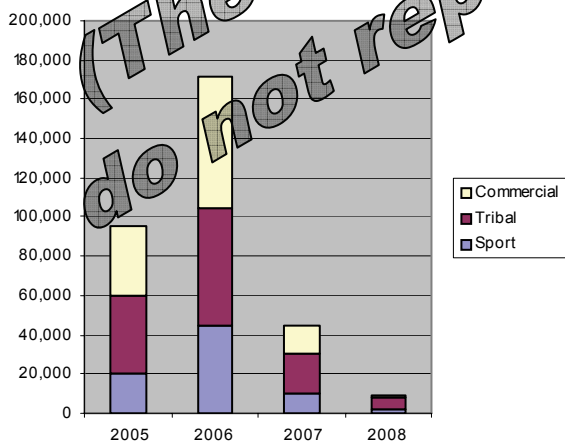
Hatchery Fund-



Columbia River Basin Salmon
(2007-2008)

and

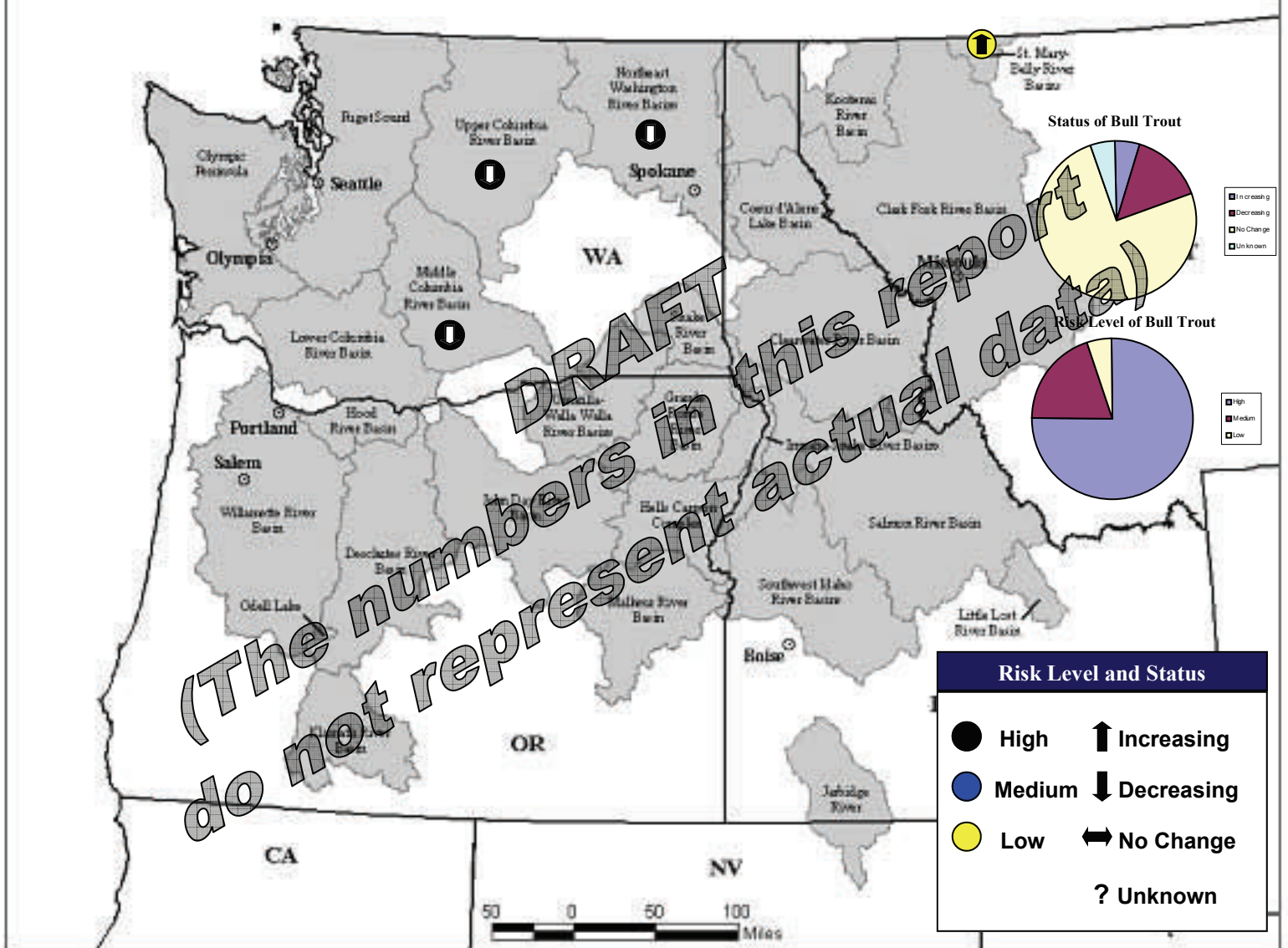
Steelhead Harvest



Species/Race	Ocean	Mainstem	Tributary	Program Fish	Non-Program Fish
Chum					
Fall Chinook					
Spring Chinook					
Spring/Summer Chinook					
Winter Steelhead					
Summer Steelhead					
Coho					
Sockeye					

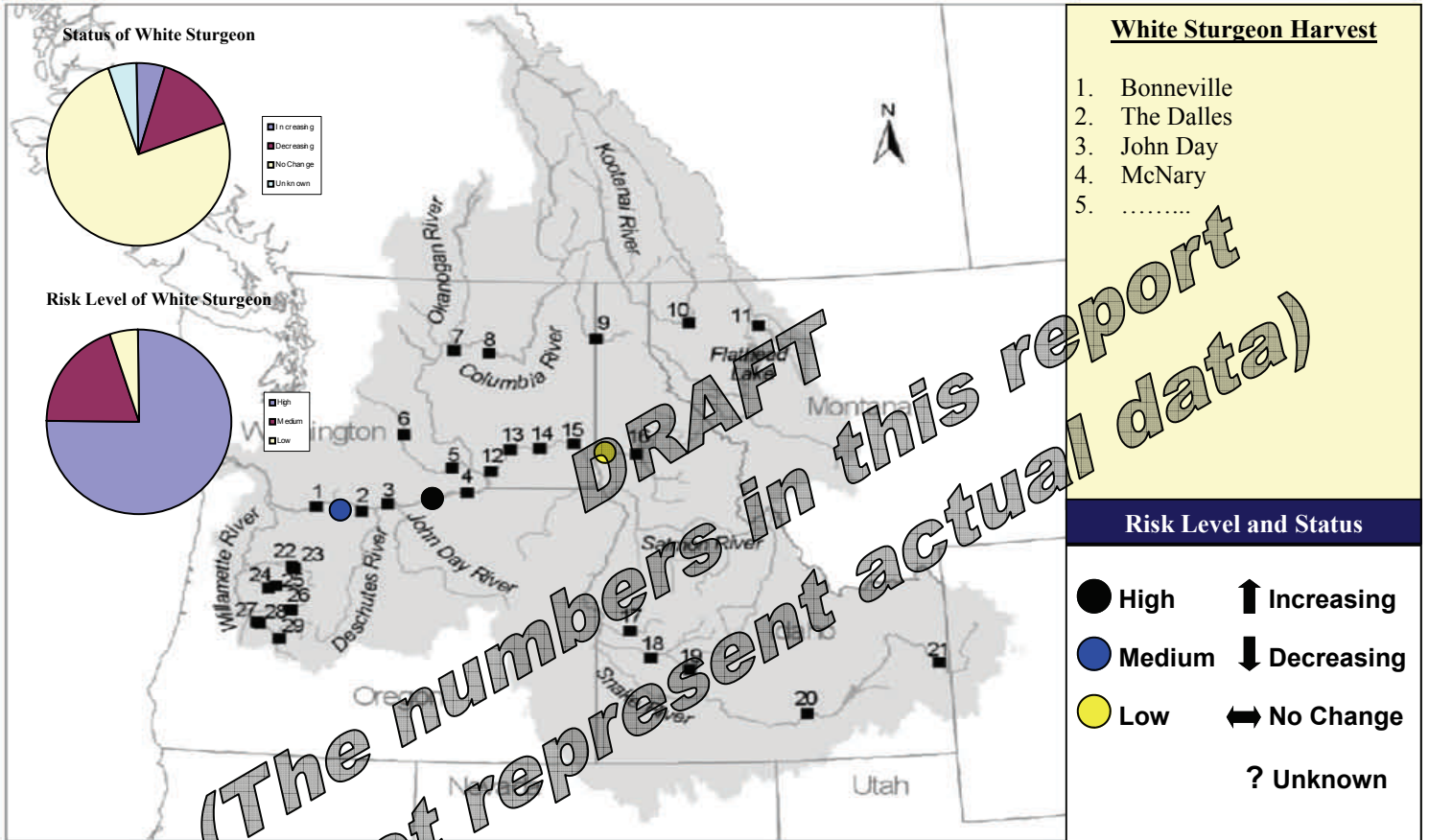
Columbia River Basin

Status and Recovery of ESA-Listed Bull Trout

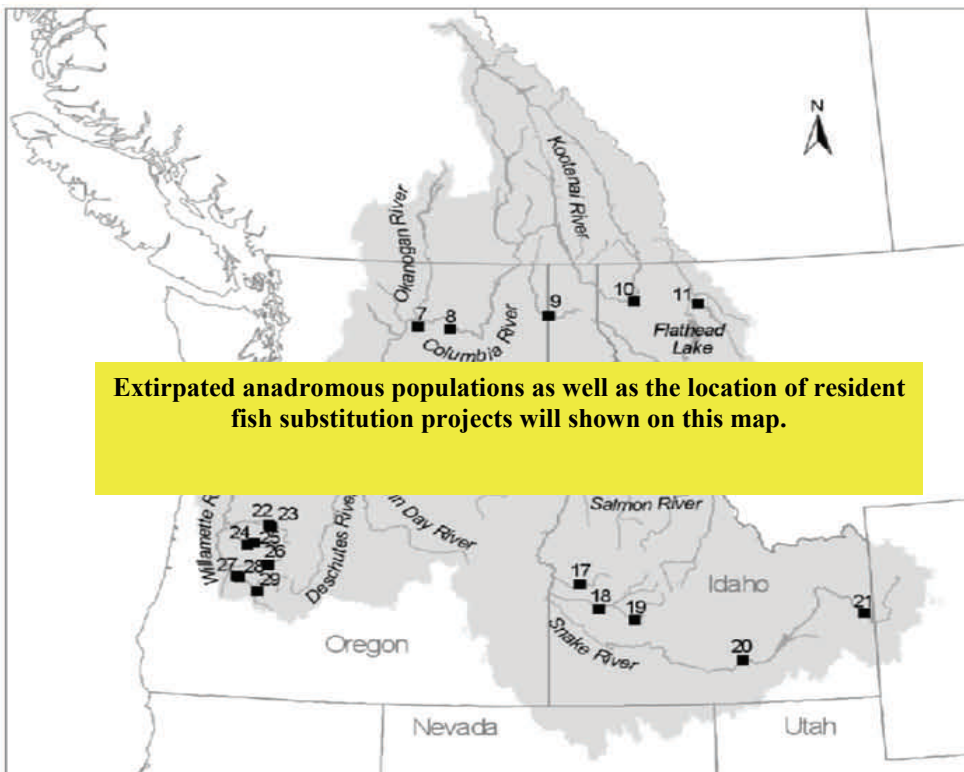


Recovery Unit	Number of Local Populations	Number of Adult Spawners	Risk Level	Recovery Unit	Number of Local Populations	Number of Adult Spawners	Risk Level
Clark Fork River				Coeur d'Alene Lake Basin			
Kootenai River				Clearwater River			
Willamette River				Salmon River			
Hood River				Southwest 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							

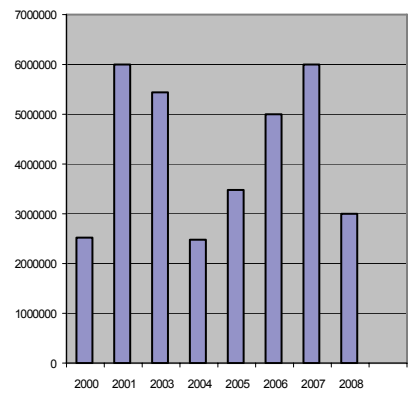
White Sturgeon Population Status (2007-2008)



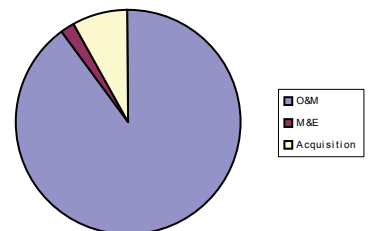
Resident Fish Substitution (2007-2008)



BPA Resident Fish Substitution Funding

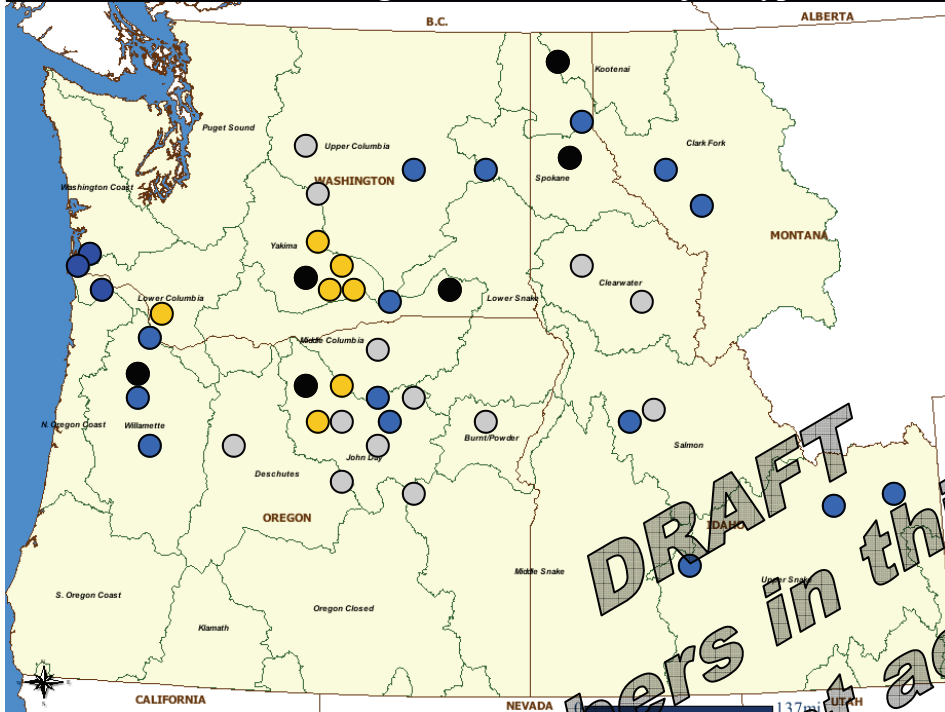


BPA Resident Fish Substitution Funding by Category



Columbia River Basin

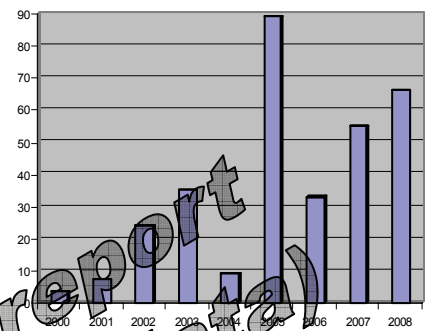
BPA –Funded Region-wide Habitat Project Types



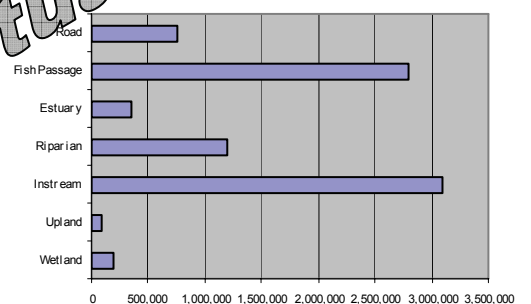
- Instream
- Riparian
- Wetland
- Road Projects
- Upland
- Water Acquisition
- Land Acquisition
- RM&E

Funding for Region-wide Habitat Project Types

BPA Funding for Habitat Restoration by Year (in millions)



BPA Funding for Habitat Restoration by Activity Type

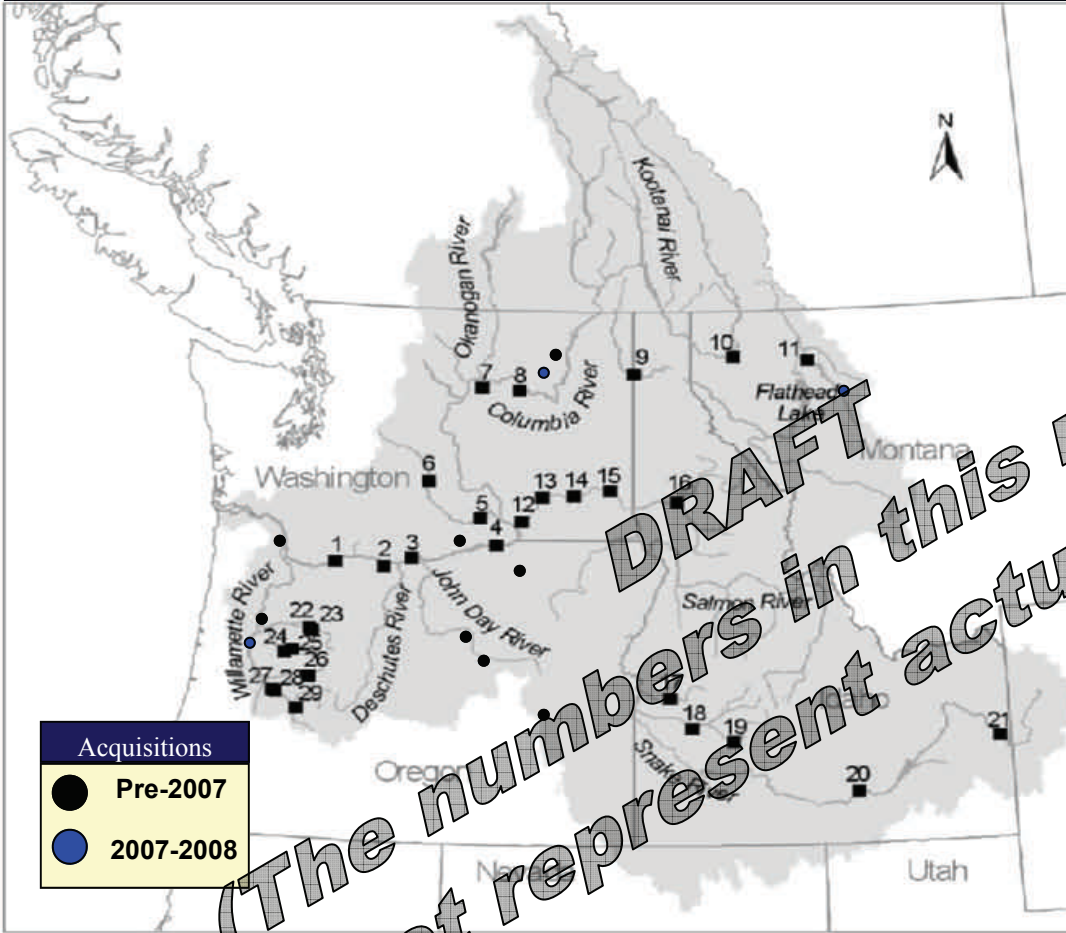


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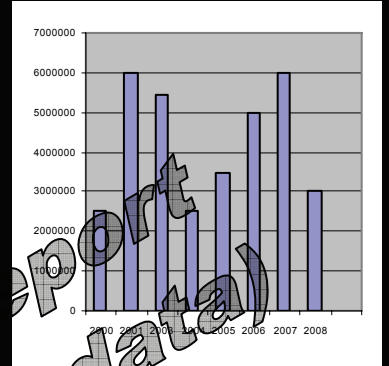
BPA 2008 Region-wide Habitat Status

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 streambank 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

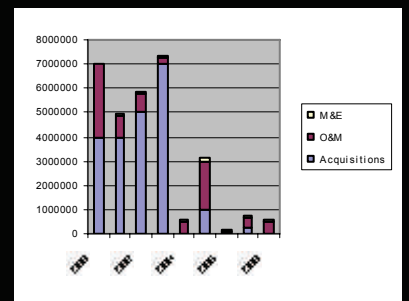
Wildlife Acquisitions



BPA Funding for Wildlife (2007-2008)



Wildlife Funding by Category



Wildlife Habitat Losses Hydroelectric Facili-

ties in the Columbia River Basin

Dam	Habitat Units Lost	Goal	Total HUs Credited	% Mitigated	% of Projects with Long-term Management Funds Agreement
Bonneville (OR) (1)	6,159		590		
Bonneville (WA) (1)	6,159		871		
The Dalles (OR) (2)	1,165		0		
The Dalles (WA) (2)	1,165		329		
John Day (OR) (3)	18,280		14,057		
John Day (WA) (3)	18,280		11,019		
McNary (OR) (4)	4,710		8,406		
McNary (WA) (5)	18,834		32,810		
Albeni Falls (9)	28,658		9,872		
Chief Joseph (7)	8,833		567		
Grand Coulee (8)	111,785		107,842		
Big Cliff (22)	413		32		
Cougar (26)	11,124		511		
Detroit (23)	11,298		0		
Dexter (27)	6,648		196		
Foster (24)	3,544		96		
Hills Creek (29)	19,489		1,565		
Lookout Point (28)	25,454		1,296		
Anderson Ranch (19)	9,619		1,063		
Black Canyon (17)	2,170		57		
Minidoka (20)	10,503		1,744		
Palisades (21)	37,070		16,093		