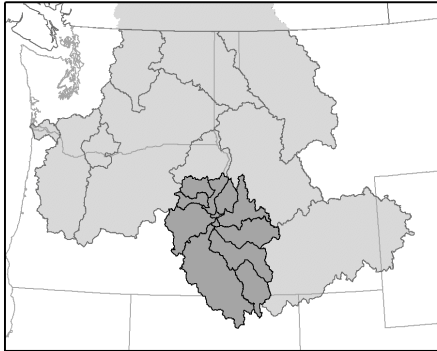


# Middle Snake Province



## Middle Snake Province



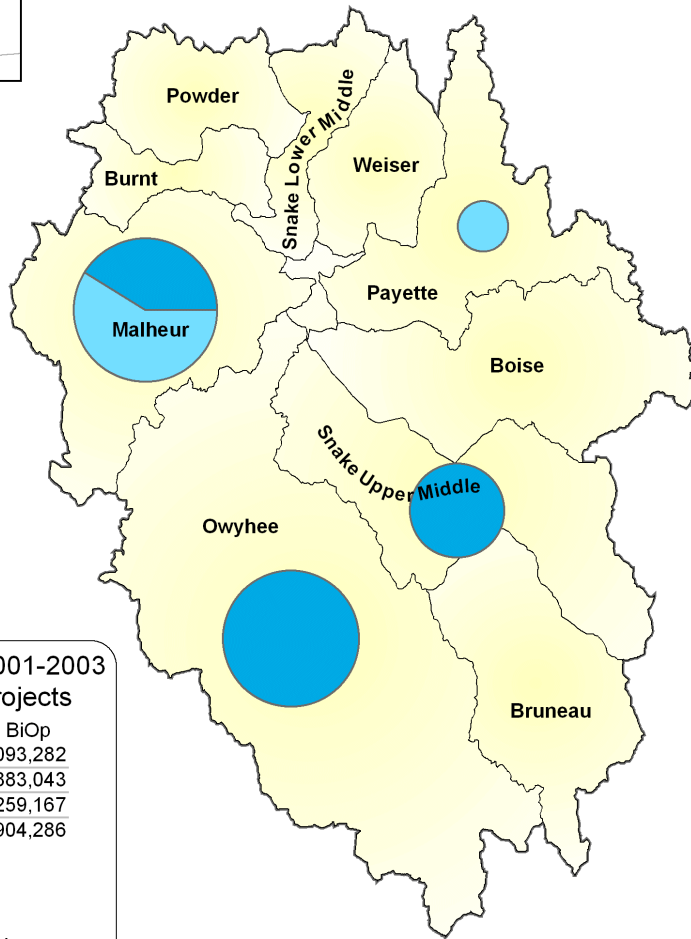
### BPA Spending, FY 2001-2003

FY 2001	\$1,527,111
FY 2002	\$1,824,417
FY 2003	\$1,788,250
<b>Total Spending</b>	<b>\$5,139,778</b>

### Legend

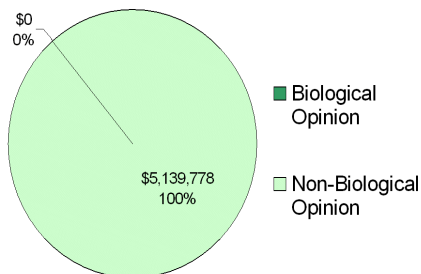
- Anadromous (0%)
- Resident (71%)
- Wildlife (29%)

Note: Diameter of pie represents relative funding levels in each subbasin.



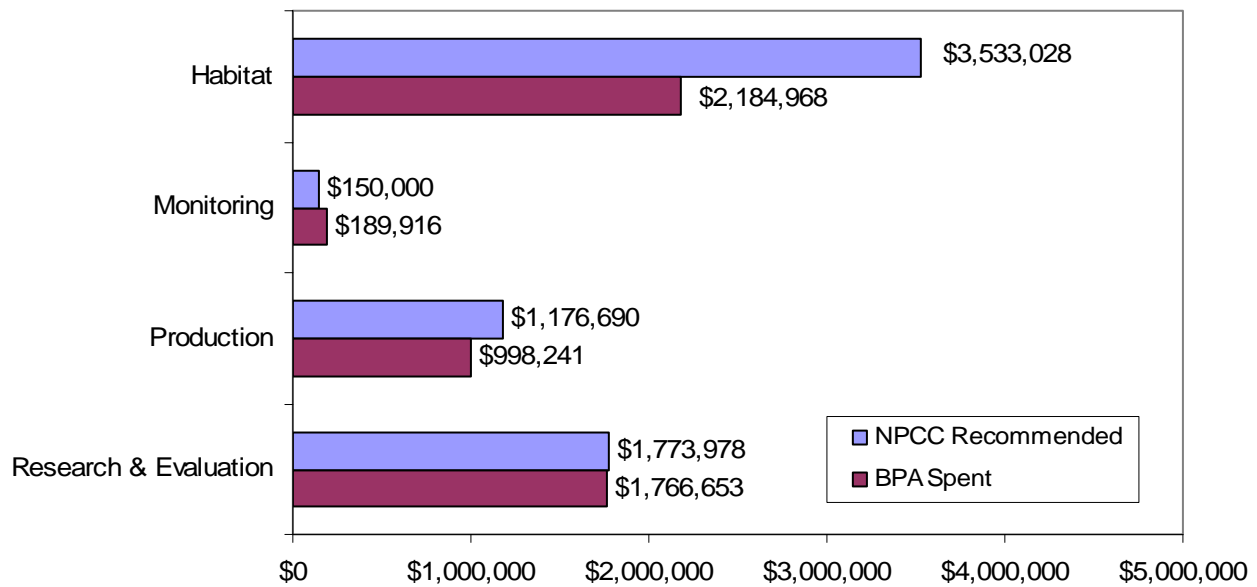
### Biological Opinion Spending, FY 2001-2003 NMFS & USFWS Designated Projects

	BiOp	Non BiOp
Malheur	\$0	\$2,093,282
Owyhee	\$0	\$1,883,043
Payette	\$0	\$259,167
Snake Upper Middle	\$0	\$904,286

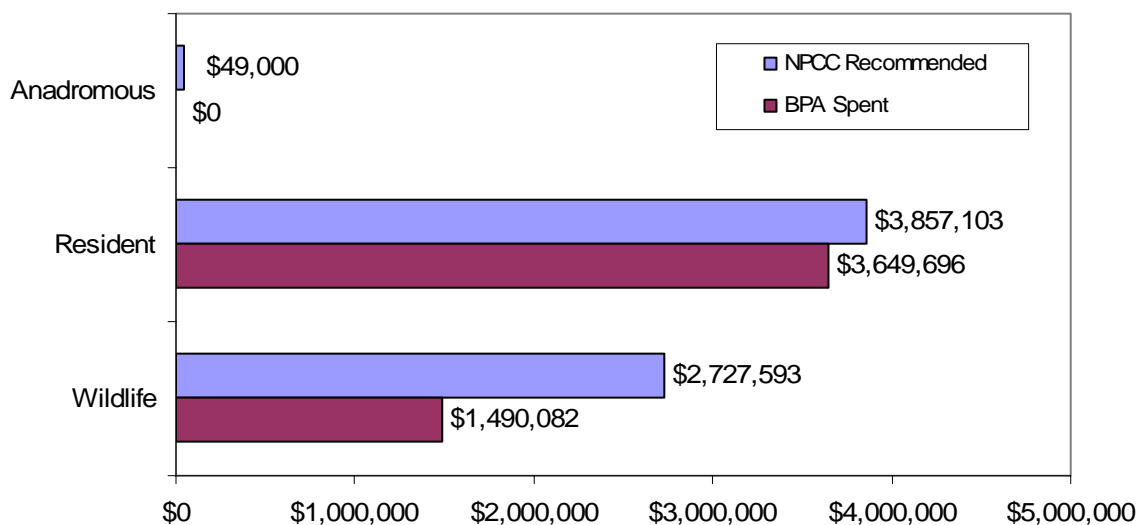


## Middle Snake Province FY 2001-2003 Spending Summaries

### NPCC Recommendations and BPA Spending by Project Category, FY01-03



### NPCC Recommendations and BPA Spending by Project Type, FY01-03

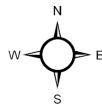
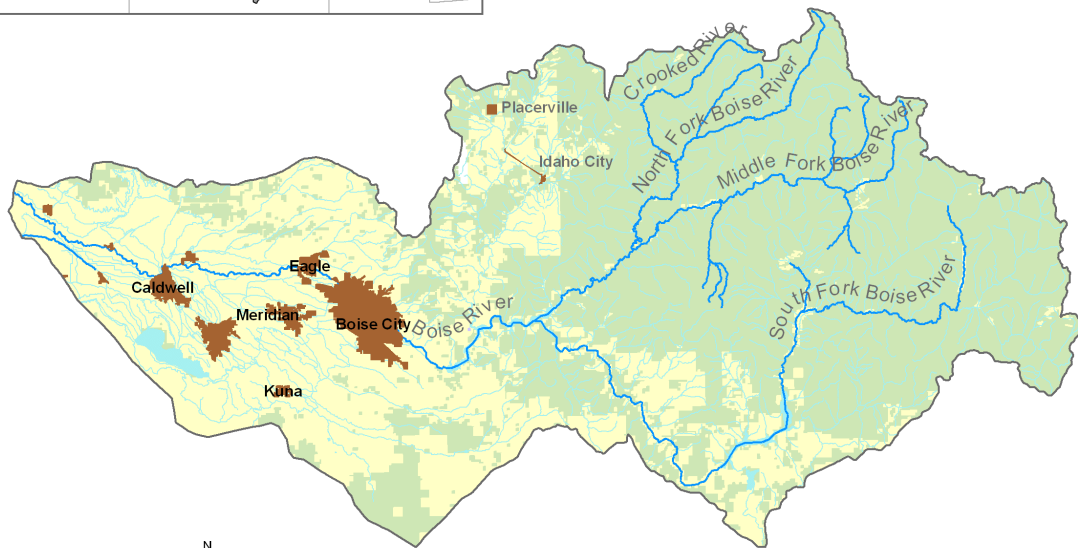
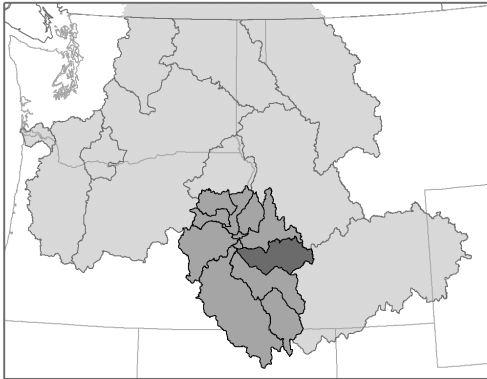


# Boise Subbasin



FY 2001-2003 NPCC Recommended and/or BPA Funded Fish & Wildlife Projects

## Middle Snake Province Boise Subbasin



Data Layers: Land Ownership (ICBEMP), 100k Hydrography (Streamnet), Urban Areas (State Data), Projects (CBFWA)  
 Projection: UTM 1983, Zone 11  
 Produced by: Columbia Basin Fish & Wildlife Authority  
 Map Date: 5/20/04

### LEGEND

Project Category		Location Accuracy	
		Funded	Unfunded
	Coordination		
	Data Management		
	Habitat		
	Harvest		
	Mainstem Survival		
	Monitoring		
	Production		
	Research & Evaluation		

**Project Labels**

Biological Opinion    Non Biological Opinion

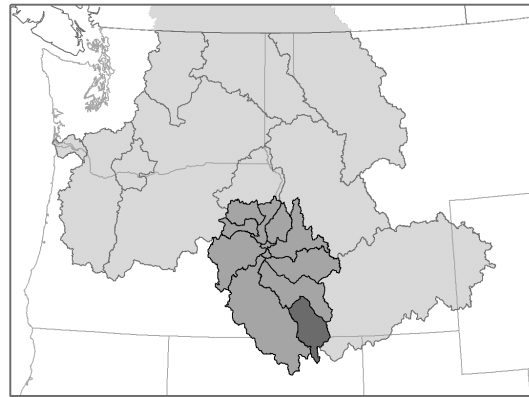
**Land Use/Ownership**

Federal	Tribal	State	Local	Private	Urban

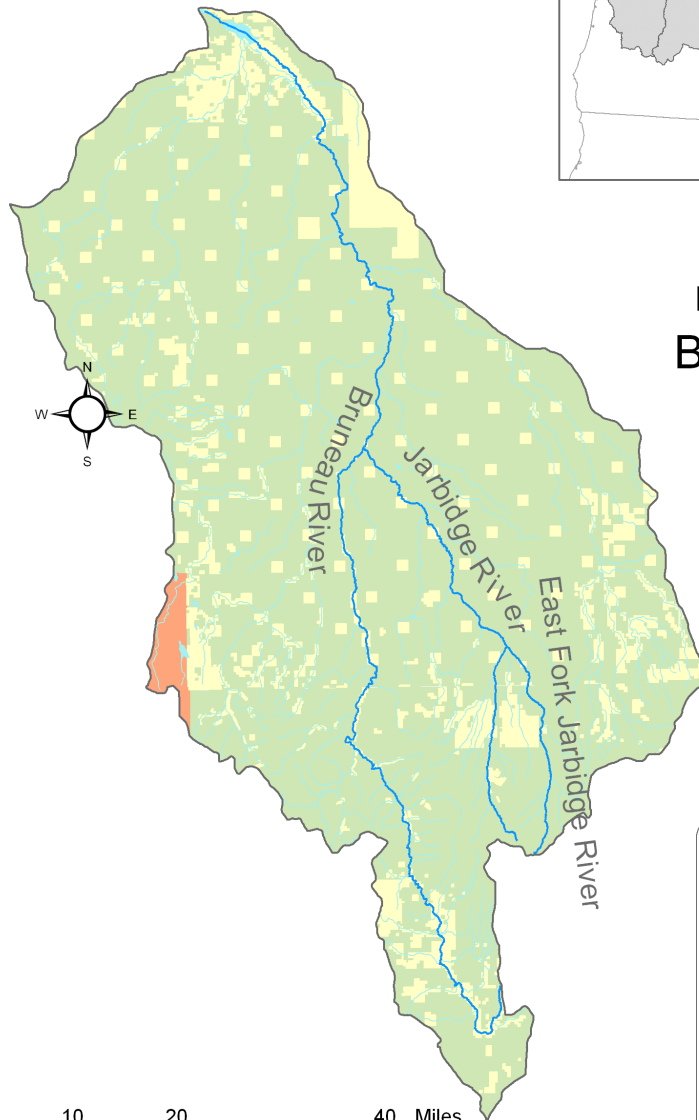
# Bruneau Subbasin



FY 2001-2003 NPCC Recommended and/or BPA Funded Fish & Wildlife Projects



Middle Snake Province  
Bruneau Subbasin



Data Layers: Land Ownership (ICBEMP), 100k Hydrography (Streamnet), Urban Areas (State Data), Projects (CBFWA)  
 Projection: UTM 1983, Zone 11  
 Produced by: Columbia Basin Fish & Wildlife Authority  
 Map Date: 5/20/04

**LEGEND**

<b>Project Category</b>	<b>Location Accuracy</b>										
<ul style="list-style-type: none"> <li> Coordination</li> <li> Data Management</li> <li> Habitat</li> <li> Harvest</li> <li> Mainstem Survival</li> <li> Monitoring</li> <li> Production</li> <li> Research &amp; Evaluation</li> </ul>	<table border="0"> <tr> <td>Funded</td> <td>Unfunded</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>	Funded	Unfunded								
Funded	Unfunded										

**Project Labels**

Biological Opinion    Non Biological Opinion

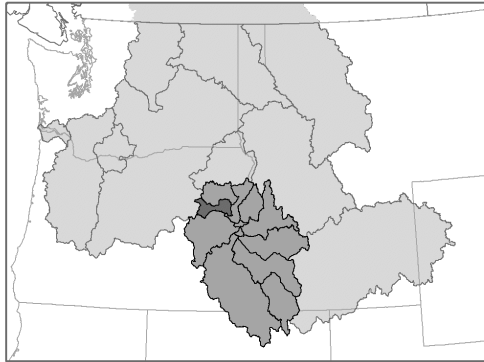
**Land Use/Ownership**

Federal	Tribal	State	Local	Private	Urban

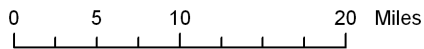
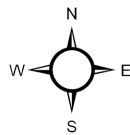
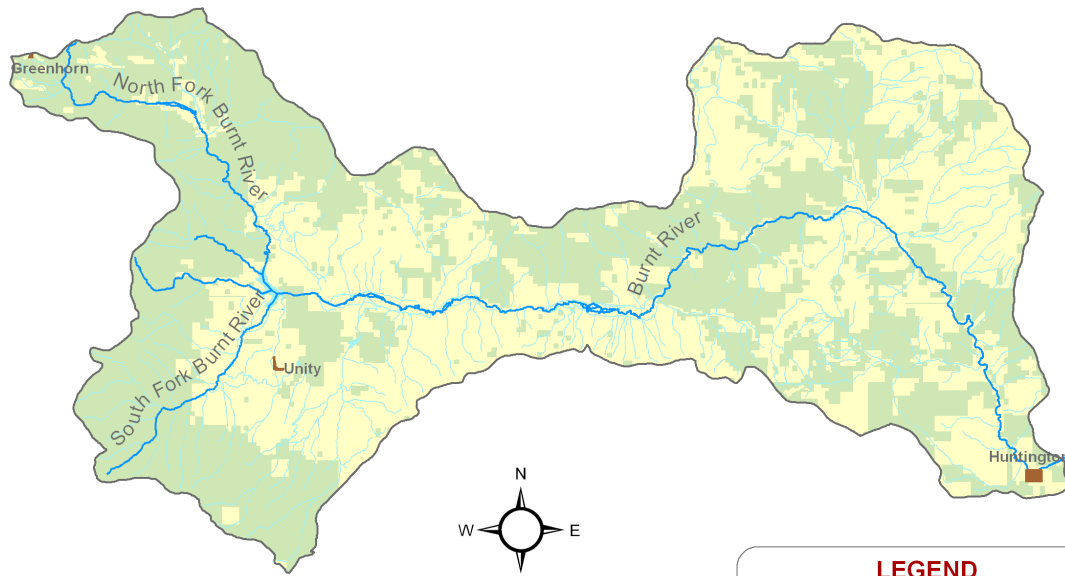
# Burnt Subbasin



FY 2001-2003 NPCC Recommended and/or BPA Funded Fish & Wildlife Projects



## Middle Snake Province Burnt Subbasin



Data Layers: Land Ownership (ICBEMP), 100k Hydrography (Streamnet), Urban Areas (State Data), Projects (CBFWA)  
 Projection: UTM 1983, Zone 11  
 Produced by: Columbia Basin Fish & Wildlife Authority  
 Map Date: 5/20/04

**LEGEND**

<b>Project Category</b>		<b>Location Accuracy</b>	
Coordination		<b>Funded</b>	<b>Unfunded</b>
Data Management		Province	Province
Habitat		Subbasin	Subbasin
Harvest		Stream	Stream
Mainstem Survival		Area	Area
Monitoring		Point	Point
Production			
Research & Evaluation			

**Project Labels**

Biological Opinion    Non Biological Opinion

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**Land Use/Ownership**

Federal	Tribal	State	Local	Private	Urban
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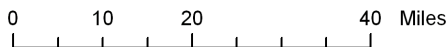
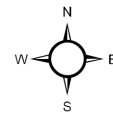
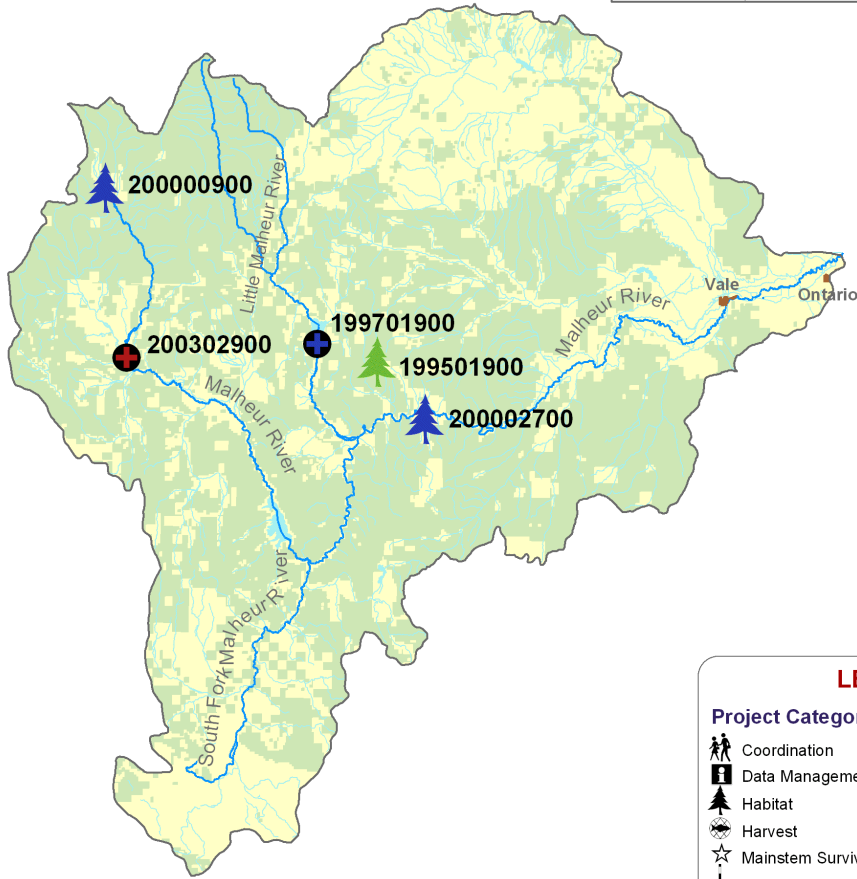
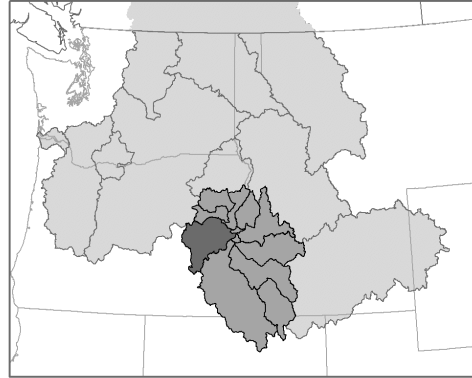
# Malheur Subbasin



**Columbia Basin  
Fish and Wildlife Authority**

FY 2001-2003 NPCC Recommended and/or  
BPA Funded Fish & Wildlife Projects

Middle Snake Province  
Malheur Subbasin



Data Layers: Land Ownership (ICBEMP), 100k Hydrography (Streamnet), Urban Areas (State Data), Projects (CBFWA)  
 Projection: UTM 1983, Zone 11  
 Produced by: Columbia Basin Fish & Wildlife Authority  
 Map Date: 5/20/04

**LEGEND**

<b>Project Category</b>		<b>Location Accuracy</b>	
Coordination		Funded	Unfunded
Data Management		Province	Subbasin
Habitat		Subbasin	Stream
Harvest		Stream	Area
Mainstem Survival		Area	Point
Monitoring		Point	
Production			
Research & Evaluation			
<b>Project Labels</b>			
Biological Opinion		Non Biological Opinion	
<b>Land Use/Ownership</b>			
Federal	Tribal	State	Local
Private	Urban		

## Projects in the Malheur Subbasin

<i>Project ID</i>	<i>Project Title</i>				<i>Review Cycle</i>		<i>BiOp?</i>
199501900	Burns-Paiute F&W Coordinator				FY 1997		no
	<i>Rec 00-03</i>	\$ 0	\$ 0	\$ 0	Type	Category	Accuracy
	<i>Spent 01-03</i>	--	\$20,191	\$ 0	Wildlife	Habitat	subbasin
<b>199701900</b>	<b>Evaluate The Life History of Native Salmonids In The Malheur Basin</b>				<b>Middle Snake</b>		<b>no</b>
	<i>Rec 00-03</i>	\$208,996	\$216,101	\$324,401	Type	Category	Accuracy
	<i>Spent 01-03</i>	--	\$166,539	\$403,035	Resident	Research & Evaluation	area
<b>200000900</b>	<b>Logan Valley Wildlife Mitigation Project/ O&amp;M</b>				<b>Middle Snake</b>		<b>no</b>
	<i>Rec 00-03</i>	\$188,140	\$194,536	\$146,842	Type	Category	Accuracy
	<i>Spent 01-03</i>	--	\$174,758	\$206,774	Wildlife	Habitat	area
<b>200002700</b>	<b>Malheur Wildlife Mitigation Project</b>				<b>Middle Snake</b>		<b>no</b>
	<i>Rec 00-03</i>	\$184,318	\$190,584	\$285,000	Type	Category	Accuracy
	<i>Spent 01-03</i>	--	\$164,134	\$254,875	Wildlife	Habitat	area
200302900	Assess the Feasibility of the Upper Malheur Watershed to Support the Reintroduction of Anadromous Populations above the Beulah & Warmsprings Reservoir				Middle Snake		no
	<i>Rec 00-03</i>	\$ 0	\$ 0	\$49,000	Type	Category	Accuracy
	<i>Spent 01-03</i>	--	\$ 0	\$ 0	Anadromous	Research & Evaluation	area

Projects in **bold** have preliminary results data included in this report.



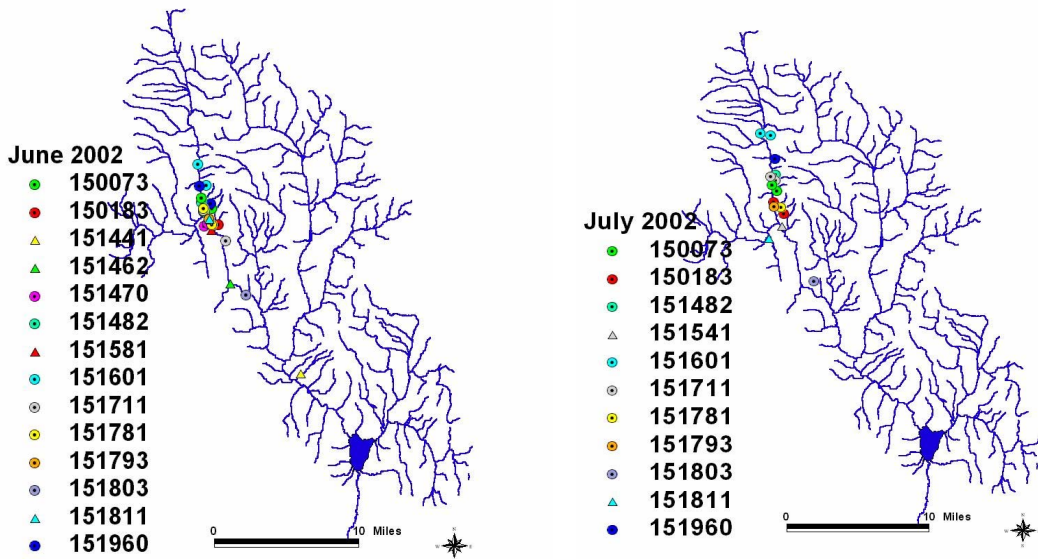
**199701900—Evaluate the Life History of Native Salmonids in the Malheur Basin**

**2002 Project Objectives**

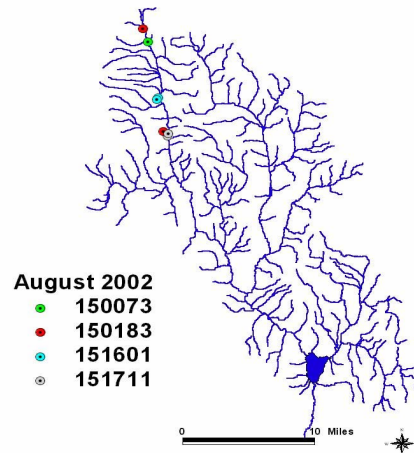
- Document migratory patterns of bull trout in the Malheur Basin
- Evaluate whether bull trout and brook trout are both present in Meadow Fork and Lake creeks
- Determine bull trout use of Beulah Reservoir

**Migratory Patterns of Bull Trout in the Malheur Basin - Preliminary Results**

- Monitored movements of 16 bull trout (6 –13 inches) from May—August
- Fish remained between river mile 40-46 during early summer and moved upstream (river mile 46-56)



*Bull trout movement in the Malheur River during June and July 2002.*



*Upstream movements of bull trout in the Malheur River during August 2002 likely reflects an attempt to find appropriate refugia as well as initial movements towards suitable spawning locations*



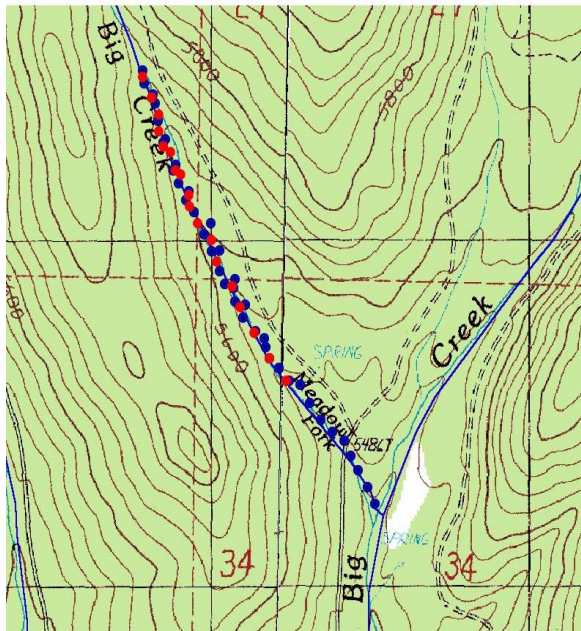
### Bull/Brook Trout Distribution in Meadow Fork/Lake Creek - Preliminary Results

- Brook trout present in both drainages
- Brook trout collected throughout the Meadow Fork drainage except at the confluence with Big Creek
- Lake Creek salmonid population consisted mostly of brook trout

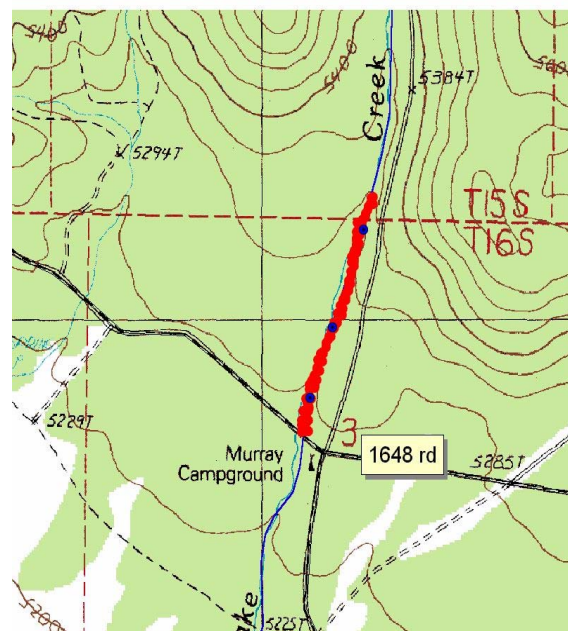


Photo: Courtesy Burns Paiute Tribe

Burns-Paiute Tribe biologists surveying Meadow Fork Creek for bull trout and brook trout.



Meadow Fork 2002  
● Brook Trout  
● Bull Trout



Lake Creek 2002  
● Brook Trout  
● Bull Trout

Locations bull trout and brook trout were collected in Meadow Fork and Lake creeks during 2002.

## Bull Trout Use of Beulah Reservoir - Preliminary Results



Photo: Courtesy Burns Paiute Tribe

*Burns Paiute Tribe biologists display one of three adult bull trout collected from Beulah Reservoir.*

- Three adult bull trout were collected in the reservoir
- Two adult bull trout were collected at the confluence of the Malheur River and Beulah Reservoir (trap was in operation for only one month due environmental conditions)
- No bull trout were reported through spring creel surveys



Photo: Courtesy Burns Paiute Tribe

*Efforts by the Burn Paiute Tribe to monitor bull trout use of Beulah Reservoir were limited due to an unexpected drawdown.*



**200002700— Malheur River Wildlife Mitigation Project**

**2002 Project Objectives**

- Rehabilitate plant communities through reseeding and enhancing irrigation efficiency
- Control and eradicate weed populations

**Plant Community Rehabilitation- Preliminary Results**

**Denny Jones Ranch**

- Purchased in 2000
- 6,386 acres of deeded land and allotments
- 409 acres of meadowland (most hayed for last 120 years)
- Approximately 1,300 acres of medusahead-infested rangeland

**Rehabilitation (Plantings)**

- 45 acres oats
- 12 acres of grass mix



Photo: Courtesy Burns Paiute Tribe

Management efforts on the 409 acres of meadowland includes reseeding select areas with native vegetation, and implementing a crop rotation plan in the agriculture areas.



Photo: Courtesy Burns Paiute Tribe

Rangeland management activities on the Denny Jones Ranch will include efforts to control medusahead which out competes native species and cannot be digested by grazers.

**HEP Results**

Species	Acres	HSI	Habitat Units
Yellow warbler	12	0.28	22.8
Mink	81	0.1	7.88
Mule deer	6,304	0.22	1,456.44
Western meadowlark	6,304	0.32	2,111.80

**200000900— Logan Valley Wildlife Mitigation Project**

**2002 Project Objectives**

- Maintain the historical distribution of meadows
- Restore stream channel morphology and natural functions
- Protect riparian areas
- Restore and maintain vegetative communities
- Control/eradicate weed infestations

**Preliminary Results**

- Property purchased in 2000
- Consists of 1,760 acres



Photo: Courtesy Burn Paiute Tribe

Restoration and maintenance of dry and wet meadows in Logan Valley is a high priority for the Burns Paiute Tribe.

**HEP Results**

Species	Acres	HSI	Habitat Units
Black-capped chickadee	420	0.24	420
Mink	798	0.11	87.8
Downy woodpecker	420	0.5	210
Mule deer	1,760	0.53	932.8



Establishing a cross section on Lake Creek (Rosgen III)  
9/14/01



Collecting channel information with a laser level  
9/14/01

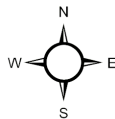
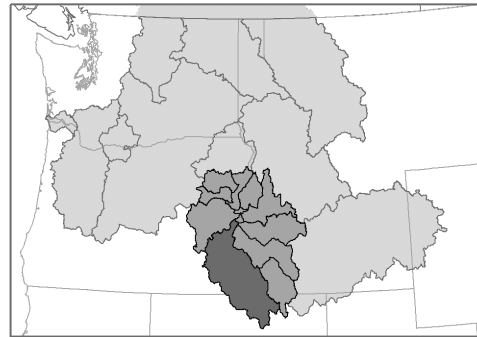
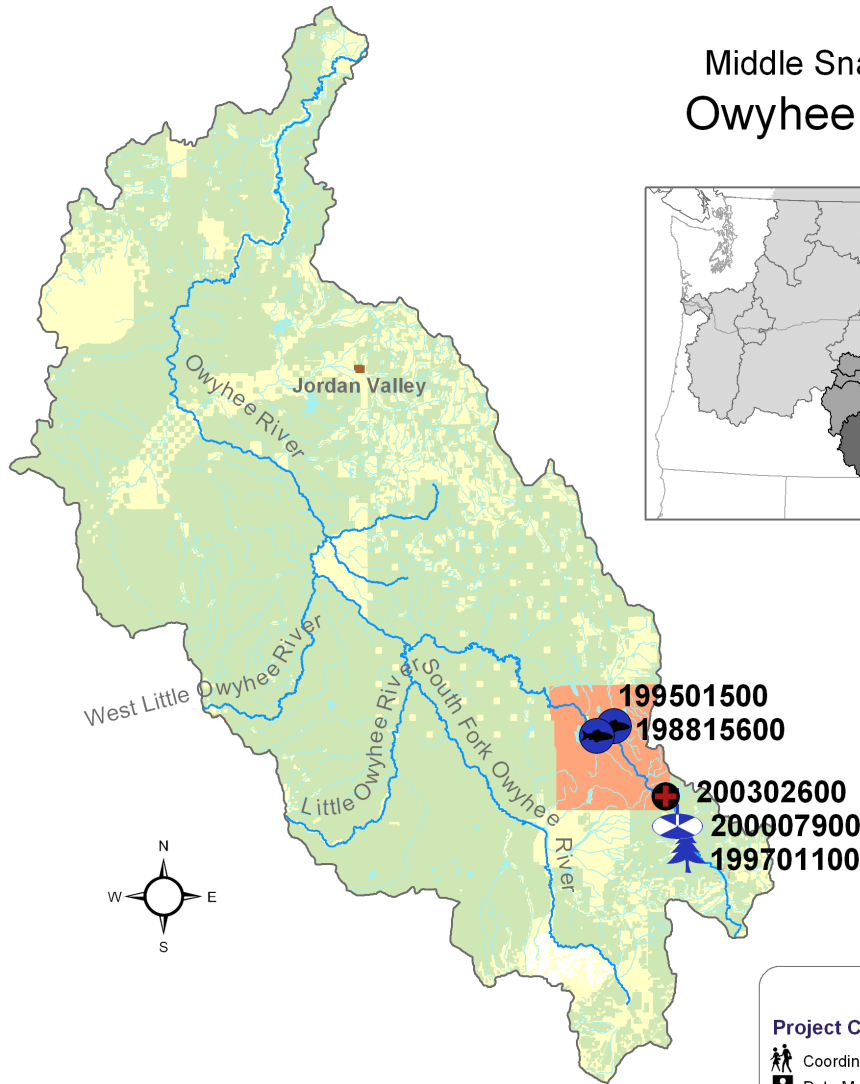
Burn Paiute Tribe biologists collecting data to assist in the restoration of stream morphology and natural functions on the Logan Valley Ranch. Photos: Courtesy Burns Paiute Tribe

# Owyhee River Subbasin



FY 2001-2003 NPCC Recommended and/or BPA Funded Fish & Wildlife Projects

## Middle Snake Province Owyhee Subbasin



0 15 30 60 Miles

Data Layers: Land Ownership (ICBEMP), 100k Hydrography (Streamnet), Urban Areas (State Data), Projects (CBFWA)  
 Projection: UTM 1983, Zone 11  
 Produced by: Columbia Basin Fish & Wildlife Authority  
 Map Date: 5/20/04

**LEGEND**

<b>Project Category</b>		<b>Location Accuracy</b>	
Coordination	Funded	Unfunded	
Data Management	Province	Subbasin	
Habitat	Subbasin	Stream	
Harvest	Area	Point	
Mainstem Survival	Point		
Monitoring			
Production			
Research & Evaluation			

**Project Labels**

Biological Opinion    Non Biological Opinion

**Land Use/Ownership**

Federal	Tribal	State	Local	Private	Urban
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## Projects in the Owyhee River Subbasin

<i>Project ID</i>	<i>Project Title</i>				<i>Review Cycle</i>		<i>BiOp?</i>	
198815600	Implement Fishery Stocking Program Consistent With Native Fish Conservation				Middle Snake		no	
	<i>Rec 00-03</i>	\$138,307	\$143,009	\$147,871	Type	Category	Accuracy	
	<i>Spent 01-03</i>	--	\$137,235	\$118,961	\$103,759	Resident	Production	area
<b>199501500</b>	<b>Lake Billy Shaw Operations and Maintenance and Evaluation (O&amp;M, M&amp;E)</b>				<b>Middle Snake</b>		<b>no</b>	
	<i>Rec 00-03</i>	\$221,550	\$229,082	\$296,871	Type	Category	Accuracy	
	<i>Spent 01-03</i>	--	\$228,875	\$142,272	\$267,139	Resident	Production	area
<b>199701100</b>	<b>Enhance and Protect Habitat and Riparian Areas on the DVIR</b>				<b>Middle Snake</b>		<b>no</b>	
	<i>Rec 00-03</i>	\$300,000	\$310,200	\$292,696	Type	Category	Accuracy	
	<i>Spent 01-03</i>	--	\$178,843	\$219,672	\$296,371	Resident	Habitat	area
<b>200007900</b>	<b>Assess Resident Fish Stocks of the Owyhee/Bruneau Basin, D.V.I.R.</b>				<b>Middle Snake</b>		<b>no</b>	
	<i>Rec 00-03</i>	\$ 0	\$ 0	\$150,000	Type	Category	Accuracy	
	<i>Spent 01-03</i>	--	\$70,630	\$104,227	\$15,059	Resident	Monitoring	area
200302600	Wildlife Inventory and Habitat Evaluation of Duck Valley Indian Reservation				Middle Snake		no	
	<i>Rec 00-03</i>	\$ 0	\$ 0	\$127,461	Type	Category	Accuracy	
	<i>Spent 01-03</i>	--	\$ 0	\$ 0	\$ 0	Wildlife	Research & Evaluation	area

Projects in **bold** have preliminary results data included in this report.

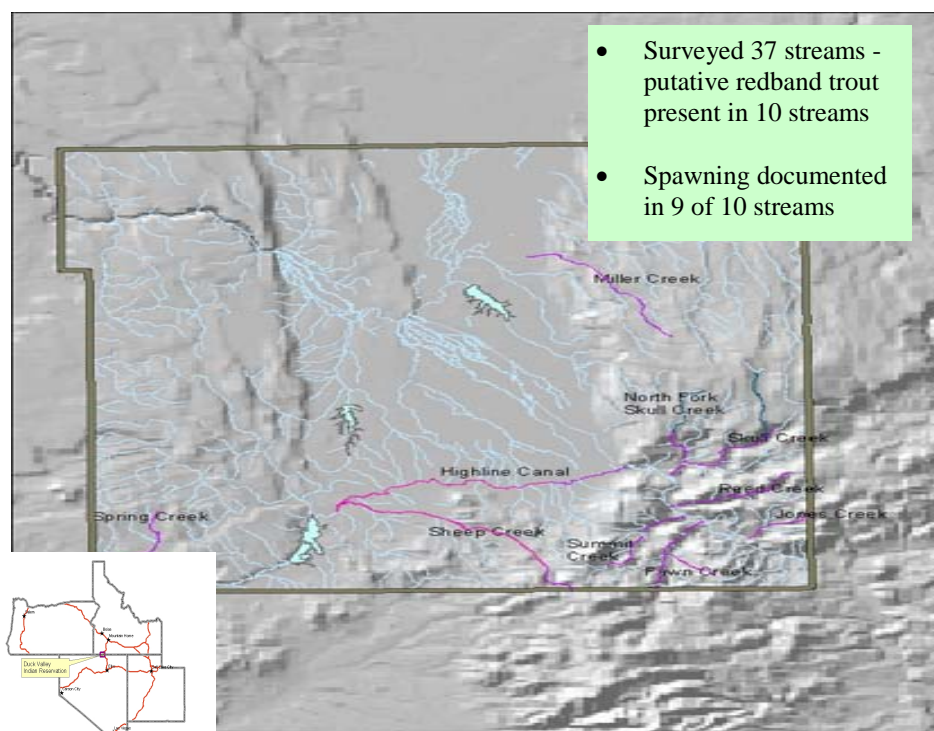


**199701100— Enhance and Protect Habitat and Riparian Areas on the DVIR**

**2002 Project Objectives**

- Identify and protect spawning areas
- Enhance and protect river and stream habitat
- Protect and rehabilitate natural springs

**Stream Inventories - Preliminary Results**



Streams on the Duck Valley Indian Reservation that contain putative redband trout.

**Length Frequencies and Population Densities for Putative Redband Trout Populations on the in Duck Valley Reservation**

Creek	Site	Date	trout/m2	Salmonid Size Distribution			
				0 - 100	101 - 150	151 - 200	201+
Fawn Ck.	Upper	7/18/2001	0.3	60	32	0	0
	Lower	7/18/2001	0.13	52	19	1	0
Skull Ck.	Upper	7/3/2001					
N. fork (Skull)		6/26/2001	0.06	4	29	7	
Summit Ck.	Upper	5/14/2002	0.006	5	16	1	0
	Lower	5/15/2002	0.009	10	6	1	0
Spring Ck.	Uppr/Lwr	5/9/2002	0.06	39	18	3	0
Jones Ck.	Uppr/Lwr	6/20/2001	0.06	3	18	5	0
Sheep Ck.	Lower	5/14/2002	0.002	0	2	0	10
Indian Ck.	Upper	6/4/2002		0	0	0	0
Miller Ck.	Lower	6/18/2002	0.16	18	18	8	0
	Upper	6/12/2002		0	0	0	0
Reed Ck.	Uppr/Lwr	5/8/2002	0.012	7	5	2	0
Papoose Ck.							

### Road Modifications - Preliminary Results

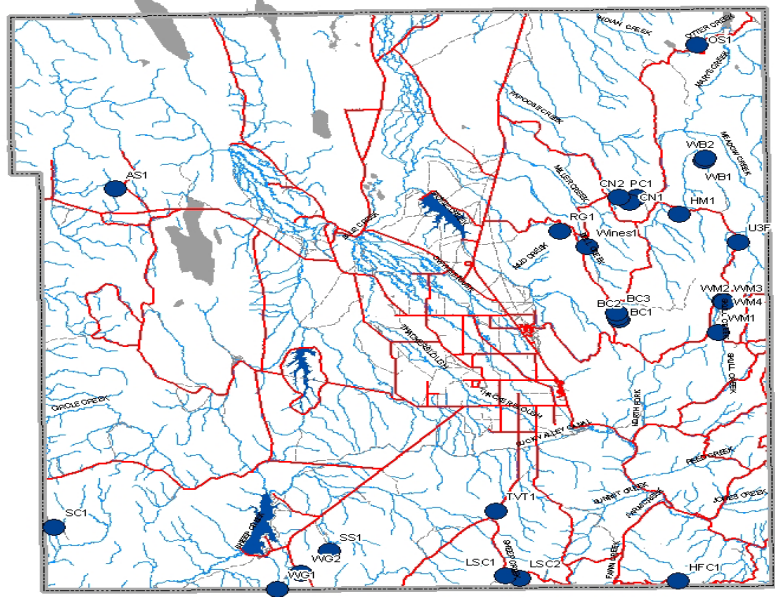
- Installed 12 cross drainage dips and improved three stream crossing in the Skull Creek drainage



Stream crossing in the Skull Creek drainage prior to and after road improvements

### Protection of Natural Springs - Preliminary Results

- Protected seven springs
- Over 20 springs protected on the reservation



#### WILDLIFE & PARKS SPRING DEVELOPMENT PROJECTS 1998-2000

Legend	
	Springs
	Duck Valley Boundary
	BIA Routes
	Roads
	Lakes
	Streams
	Water Bodies (other)

CS1	Crook's Spring
CS2	"
MC1	Mary's Creek Headwaters
WB1	White Oak Spring
GF1	Green Spring
BCW1	Big Creek Headwaters
BCW2	"
BCW3	"
WM1	White Meadow Spring
WM2	"
WM3	"
WM4	"
WM5	"
TVT1	T.V. Spring
LSC1	Little Snake Creek
LSC2	"
RG1	Rocky Gap
GN1	Green Spring
WM1	White Meadow Spring
WM2	"
WM3	"
WM4	"
WM5	"
BC1	Big Creek
BC2	"
BC3	"
WB1	White Oak Spring
WB2	"
HM1	Horned Lark Spring
US1	Upper Snake
HFC1	Horned Lark Spring
JWS1	John's Spring

Locations of protected springs on the Shoshone-Paiute Tribes of the Duck Valley Indian

199501500—Lake Billy Shaw Operations and Maintenance and Evaluation

2002 Project Objectives

- Protect reservoir shoreline and riparian areas

Reservoir Shoreline and Riparian Areas Protected—Preliminary Results



Photo: Shoshone Paiute Tribes of the Duck Valley

*Aerial photo of Lake Billy Shaw on the Duck Valley Indian Reservation*



Photo: Shoshone Paiute Tribes of the Duck Valley

*Willow plantings along the shoreline of Lake Billy Shaw*

- Planted 16,292 willow and 70 poplars
- Fenced the entire perimeter of the reservoir and tributaries (over 13 miles of fence)
- Constructed and enhanced two off-reservoir stock ponds as an alternative source of water for livestock



**200007900— Assess Resident Fish Stocks of the Owyhee/Bruneau Basin, DVIR**

**2002 Project Objectives**

- Determine presence/absence and genetic purity of putative redband trout populations on the DVIR

**Genetic Population Structure - Preliminary Results**

- Genetically pure redband trout (i.e., lack of hatchery rainbow trout genes) appear to exist in 6 of the 12 sample locations
- Six haplotypes were identified among the locations



Photo: © E.R. Keeley

*Although redband trout are native to the Owyhee River drainage, little is known about their genetic population structure and diversity.*

**Composite Mitochondrial Haplotype Frequencies for Putative Redband Trout Populations from Upper East Fork Owyhee River**

<b>Population</b>	<b>I</b>	<b>II</b>	<b>III</b>	<b>IV</b>	<b>V</b>	<b>VI</b>
Fawn Creek, Upper (N=60)	0.65	0.35	0	0	0	0
Fawn Creek, Lower (N=60)	0.55	0.333	0.05	0.033	0.033	0
Highline Canal (N=15)	0.667	0.333	0	0	0	0
Jones Creek (N=27)	0.704	0.037	0.111	0.074	0.037	0.037
Miller Creek (N=44)	0.568	0.273	0.068	0.091	0	0
Reed Creek (N=14)	0.643	0.357	0	0	0	0
Sheep Creek (N=52)	0.462	0.385	0.077	0.058	0	0.019
Skull Creek, Upper (N=27)	0.667	0.259	0.074	0	0	0
Skull Creek, Lower (N=39)	0.641	0.256	0.103	0	0	0
Skull Creek, N.F. Lower (N=42)	0.619	0.357	0.024	0	0	0
Spring Creek (N=60)	0.6	0.317	0.017	0.017	0.05	0
Summit Creek (N=46)	0.478	0.261	0.152	0.022	0.087	0

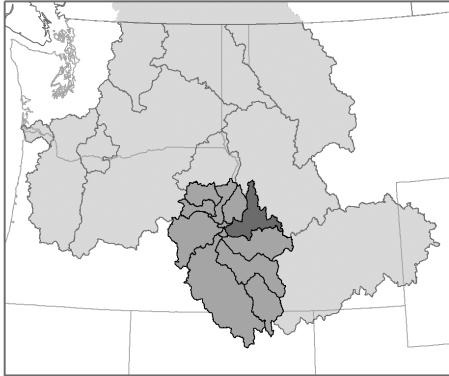
*Highlighted populations preliminarily identified as genetically pure redband trout.*

# Payette Subbasin

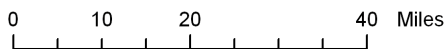
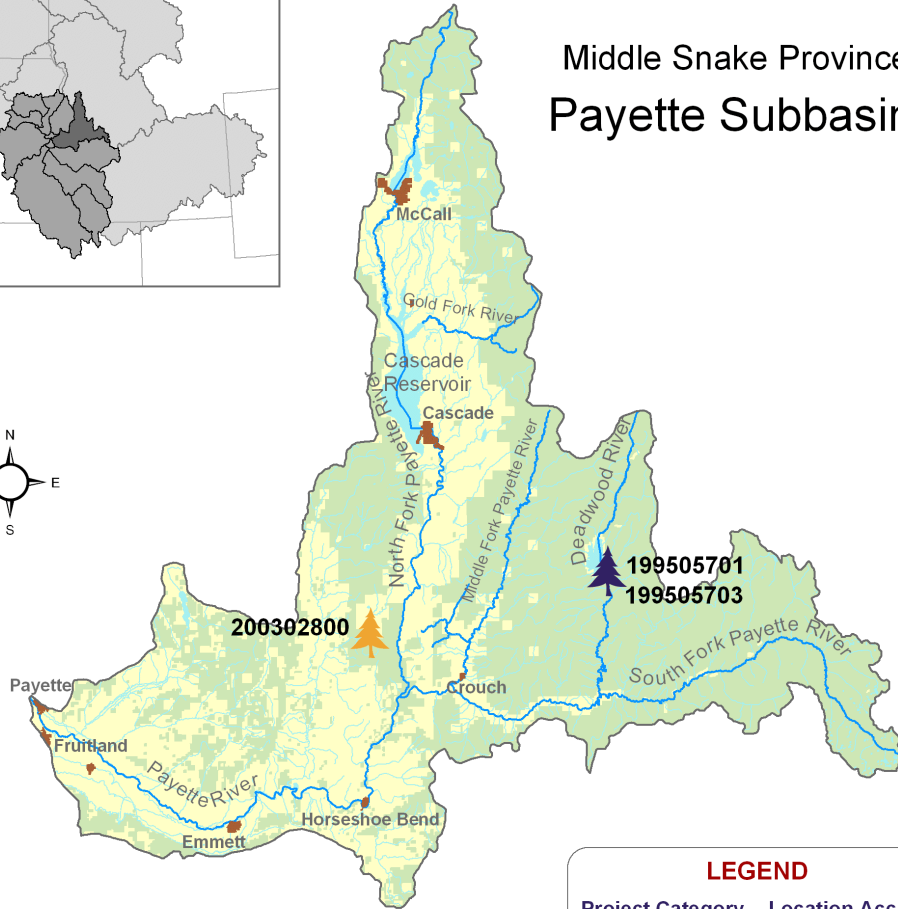
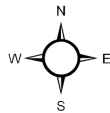


**Columbia Basin  
Fish and Wildlife Authority**

FY 2001-2003 NPCC Recommended and/or  
BPA Funded Fish & Wildlife Projects



## Middle Snake Province Payette Subbasin



Data Layers: Land Ownership (ICBEMP), 100k Hydrography (Streamnet), Urban Areas (State Data), Projects (CBFWA)  
 Projection: UTM 1983, Zone 11  
 Produced by: Columbia Basin Fish & Wildlife Authority  
 Map Date: 5/20/04

### LEGEND

Project Category	Location Accuracy	
	Funded	Unfunded
Coordination	Province	Subbasin
Data Management	Stream	Area
Habitat	Area	Point
Harvest	Point	
Mainstem Survival		
Monitoring		
Production		
Research & Evaluation		

### Project Labels

Biological Opinion      Non Biological Opinion

### Land Use/Ownership

Federal	Tribal	State	Local	Private	Urban
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## Projects in the Payette Subbasin

<i>Project ID</i>	<i>Project Title</i>				<i>Review Cycle</i>		<i>BiOp?</i>
199505701	Southern Idaho Wildlife Mitigation - Middle Snake				Middle Snake		no
	<i>Rec 00-03</i>	\$626,856	\$ 0	\$78,500	Type	Category	Accuracy
	<i>Spent 01-03</i>	--	\$106,562	\$118,447	Wildlife	Habitat	point
199505703	Southern Idaho Wildlife Mitigation - Shoshone-Paiute Tribes				Middle Snake		no
	<i>Rec 00-03</i>	\$626,856	\$ 0	\$78,500	Type	Category	Accuracy
	<i>Spent 01-03</i>	--	\$ 0	\$12,998	Wildlife	Habitat	point
200302800	Mitigation of Marine-Derived Nutrient Loss in the Boise-Payette-Weiser Subbasin				Middle Snake		no
	<i>Rec 00-03</i>	\$ 0	\$ 0	\$30,000	Type	Category	Accuracy
	<i>Spent 01-03</i>	--	\$ 0	\$ 0	Resident	Habitat	subbasin

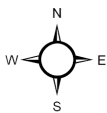
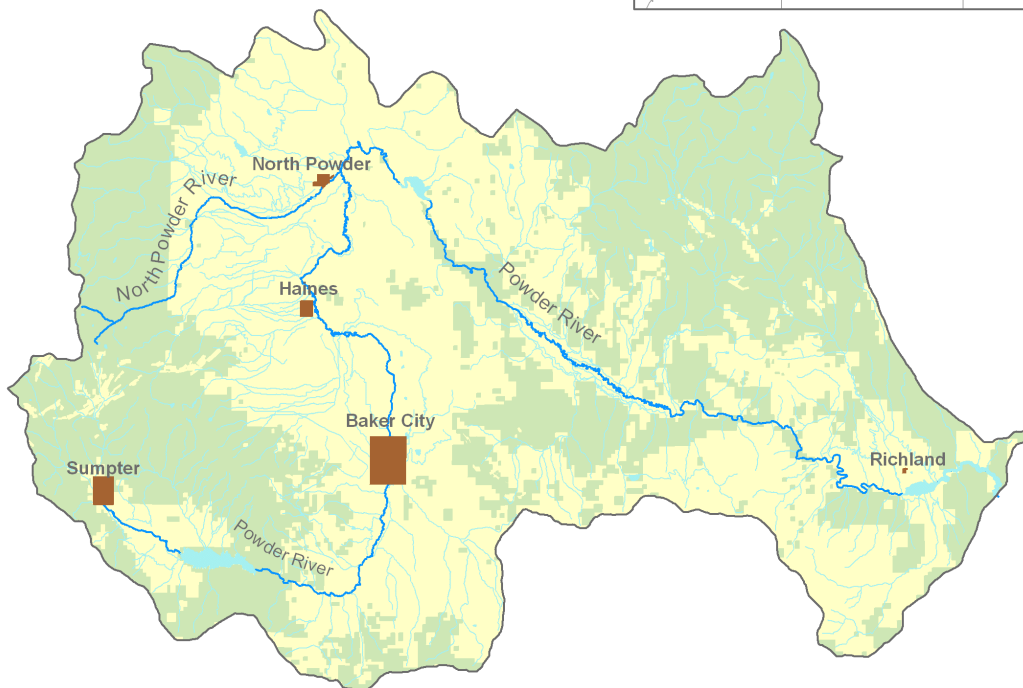
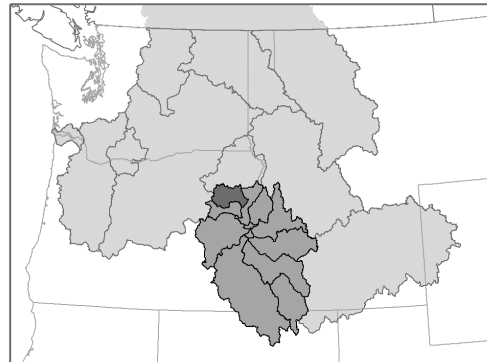


# Powder Subbasin



FY 2001-2003 NPCC Recommended and/or BPA Funded Fish & Wildlife Projects

Middle Snake Province  
Powder Subbasin



Data Layers: Land Ownership (ICBEMP), 100k Hydrography (Streamnet), Urban Areas (State Data), Projects (CBFWA)  
 Projection: UTM 1983, Zone 11  
 Produced by: Columbia Basin Fish & Wildlife Authority  
 Map Date: 5/20/04

**LEGEND**

<b>Project Category</b>	<b>Location Accuracy</b>										
<ul style="list-style-type: none"> <li> Coordination</li> <li> Data Management</li> <li> Habitat</li> <li> Harvest</li> <li> Mainstem Survival</li> <li> Monitoring</li> <li> Production</li> <li> Research &amp; Evaluation</li> </ul>	<table border="0"> <tr> <td>Funded</td> <td>Unfunded</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>	Funded	Unfunded								
Funded	Unfunded										

**Project Labels**

Biological Opinion    Non Biological Opinion

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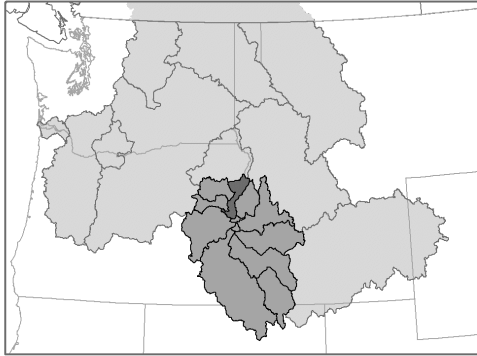
**Land Use/Ownership**

Federal	Tribal	State	Local	Private	Urban

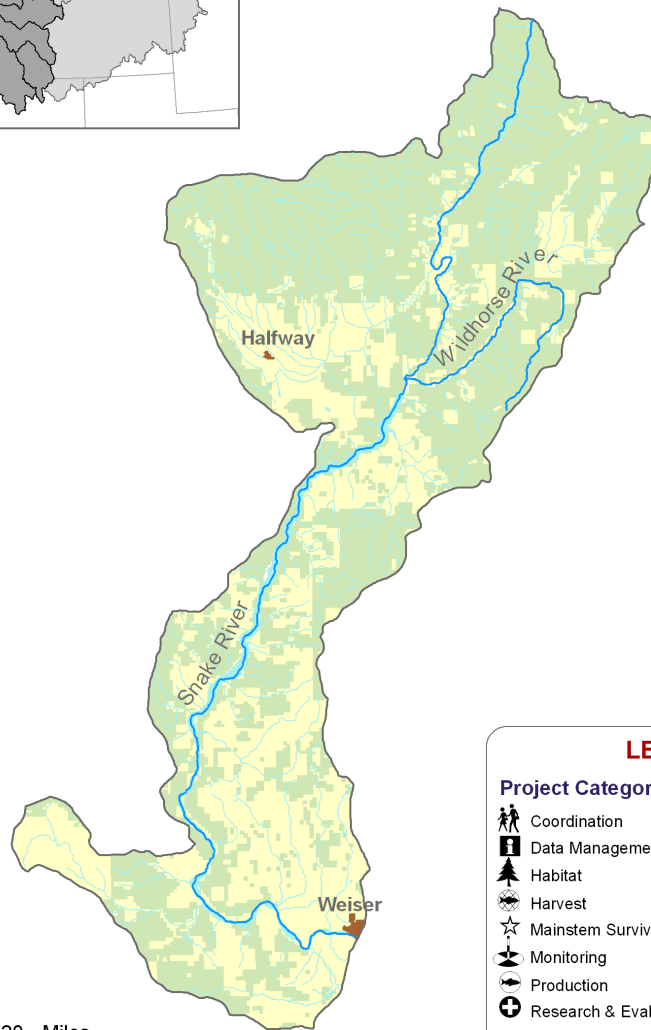
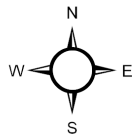
# Snake Lower Middle Subbasin



FY 2001-2003 NPCC Recommended and/or BPA Funded Fish & Wildlife Projects



Middle Snake Province  
Snake Lower  
Middle Subbasin



0 5 10 20 Miles

Data Layers: Land Ownership (ICBEMP), 100k Hydrography (Streamnet), Urban Areas (State Data), Projects (CBFWA)  
 Projection: UTM 1983, Zone 11  
 Produced by: Columbia Basin Fish & Wildlife Authority  
 Map Date: 5/20/04

**LEGEND**

<b>Project Category</b>		<b>Location Accuracy</b>	
Coordination	Province	Province	Subbasin
Data Management	Subbasin	Stream	Area
Habitat	Stream	Area	Point
Harvest	Mainstem Survival	Point	
Monitoring	Production		
Research & Evaluation			

**Project Labels**

Biological Opinion    Non Biological Opinion

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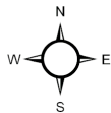
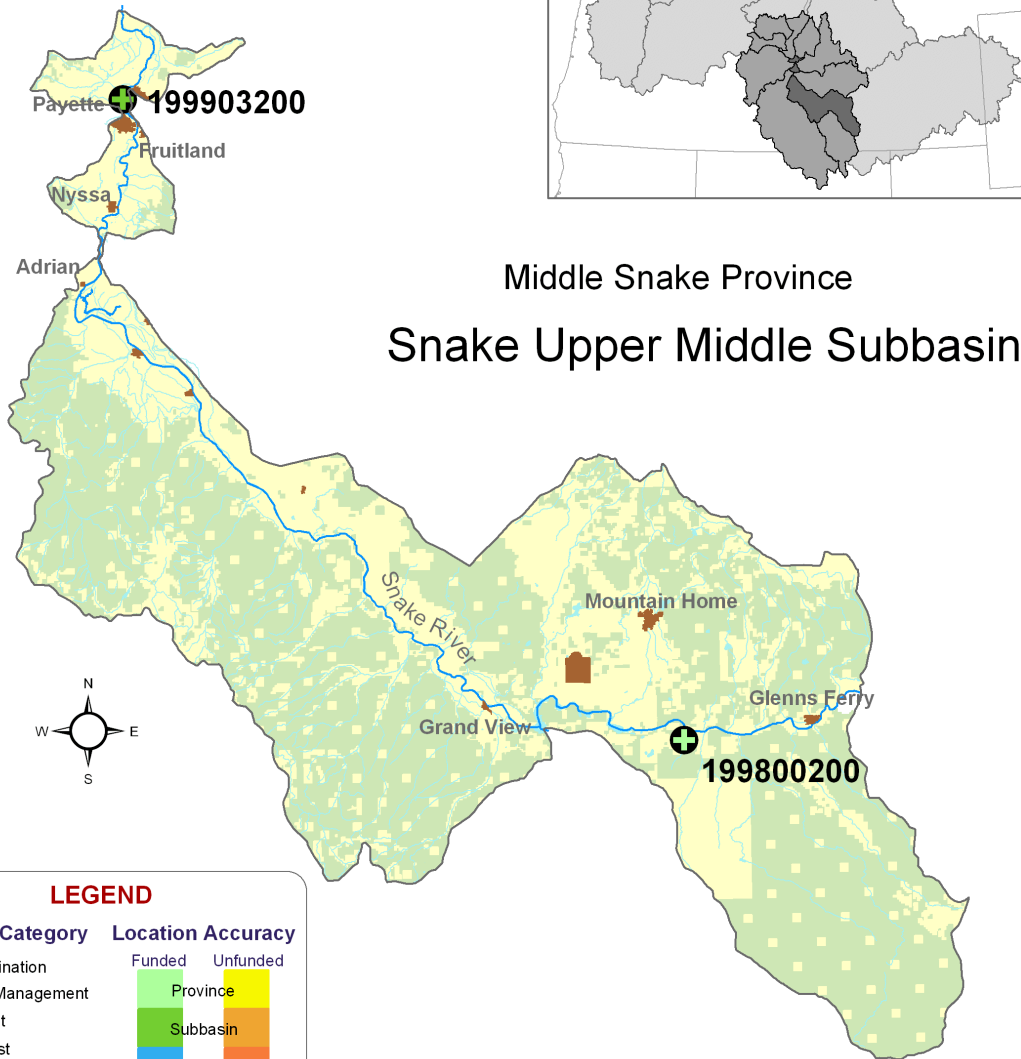
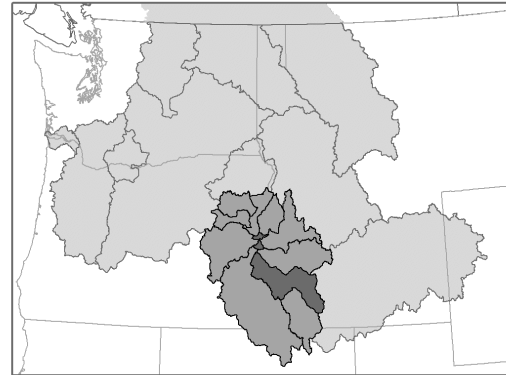
**Land Use/Ownership**

Federal	Tribal	State	Local	Private	Urban
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# Snake Upper Middle Subbasin

**Columbia Basin Fish and Wildlife Authority**

FY 2001-2003 NPCC Recommended and/or BPA Funded Fish & Wildlife Projects



### LEGEND

Project Category		Location Accuracy	
	Coordination		Funded
	Data Management		Unfunded
	Habitat		Province
	Harvest		Subbasin
	Mainstem Survival		Stream
	Monitoring		Area
	Production		Point
	Research & Evaluation		

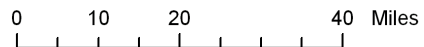
**Project Labels**

Biological Opinion    Non Biological Opinion

**Land Use/Ownership**

Federal	Tribal	State	Local	Private	Urban



Data Layers: Land Ownership (ICBEMP), 100k Hydrography (Streamnet), Urban Areas (State Data), Projects (CBFWA)  
 Projection: UTM 1983, Zone 11  
 Produced by: Columbia Basin Fish & Wildlife Authority  
 Map Date: 5/20/04

## Projects in the Snake Upper Middle Subbasin

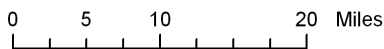
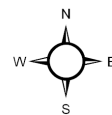
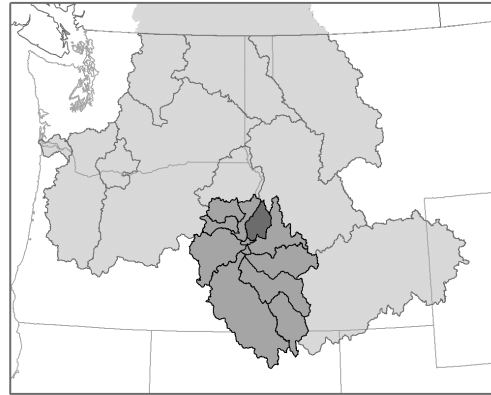
<i>Project ID</i>	<i>Project Title</i>				<i>Review Cycle</i>		<i>BiOp?</i>
199800200	Snake River Native Salmonid Assessment				Middle Snake		no
	<i>Rec 00-03</i>	\$263,837	\$272,807	\$311,375	Type	Category	Accuracy
	<i>Spent 01-03</i>	--	\$272,805	\$243,156	\$381,786	Resident	Research & Evaluation province
199903200	Consumptive Sturgeon-Hells Canyon				FY 2001		no
	<i>Rec 00-03</i>	\$ 0	\$ 0	\$ 0	Type	Category	Accuracy
	<i>Spent 01-03</i>	--	\$ 6,539	\$ 0	\$ 0	Resident	Research & Evaluation subbasin

# Weiser Subbasin



FY 2001-2003 NPCC Recommended and/or BPA Funded Fish & Wildlife Projects

Middle Snake Province  
Weiser Subbasin



Data Layers: Land Ownership (ICBEMP), 100k Hydrography (Streamnet), Urban Areas (State Data), Projects (CBFWA)  
 Projection: UTM 1983, Zone 11  
 Produced by: Columbia Basin Fish & Wildlife Authority  
 Map Date: 5/20/04

**LEGEND**

<b>Project Category</b>		<b>Location Accuracy</b>	
	Coordination	Funded	Unfunded
	Data Management	Province	
	Habitat	Subbasin	
	Harvest	Stream	
	Mainstem Survival	Area	
	Monitoring	Point	
	Production		
	Research & Evaluation		

**Project Labels**

Biological Opinion      Non Biological Opinion

**Land Use/Ownership**

Federal	Tribal	State	Local	Private	Urban

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