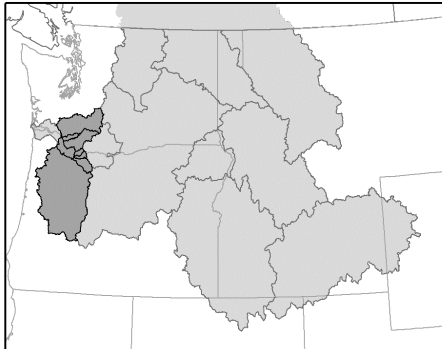


# Lower Columbia Province



## Lower Columbia Province

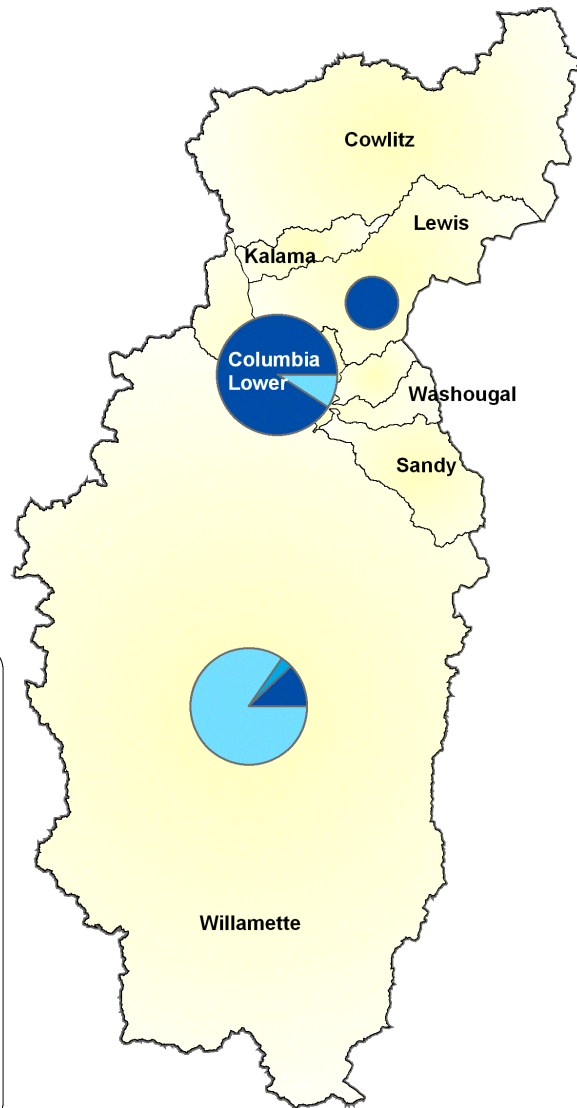
### BPA Spending, FY 2001-2004

FY 2001	\$1,412,847
FY 2002	\$2,791,393
FY 2003	\$2,633,525
FY 2004	\$4,433,737
<b>Total Spending</b>	<b>\$11,271,502</b>

### Legend

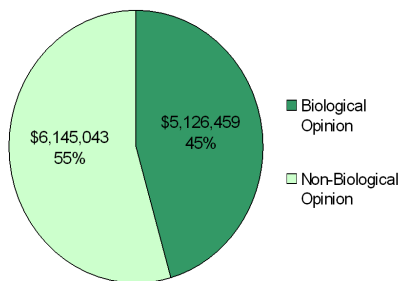
- Anadromous (57%)
- Resident (1%)
- Wildlife (41%)

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



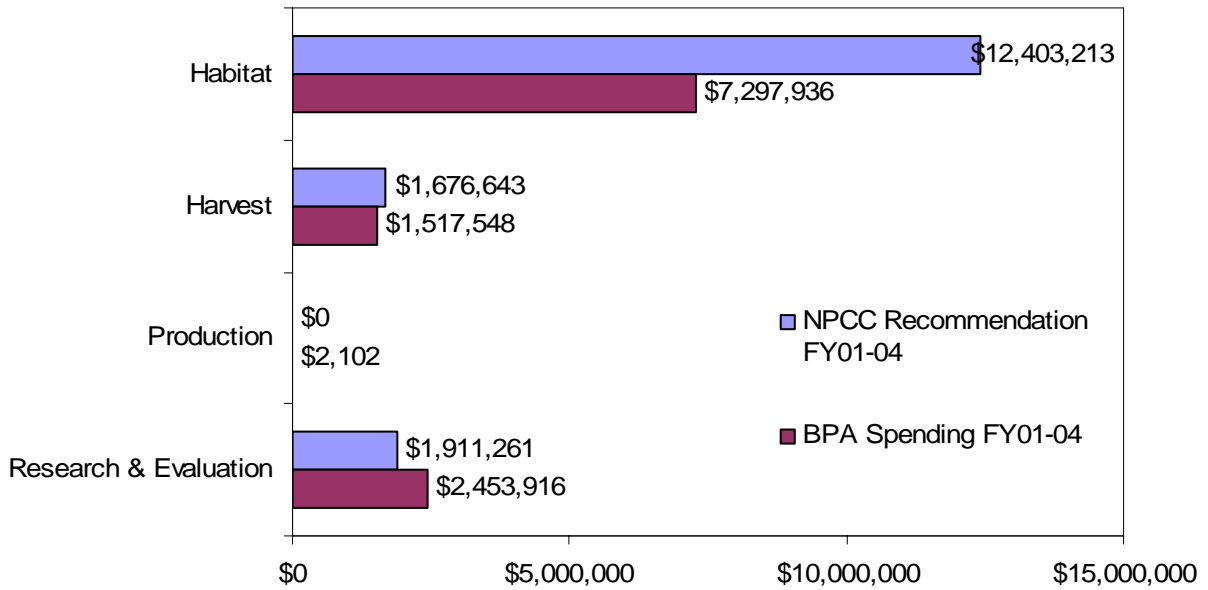
### Biological Opinion Spending, FY 2001-2004 NMFS & USFWS Designated Projects

	BiOp	Non BiOp
Columbia Lower	\$4,800,811	\$489,543
Lewis	\$0	\$1,018,444
Willamette	\$325,648	\$4,637,056

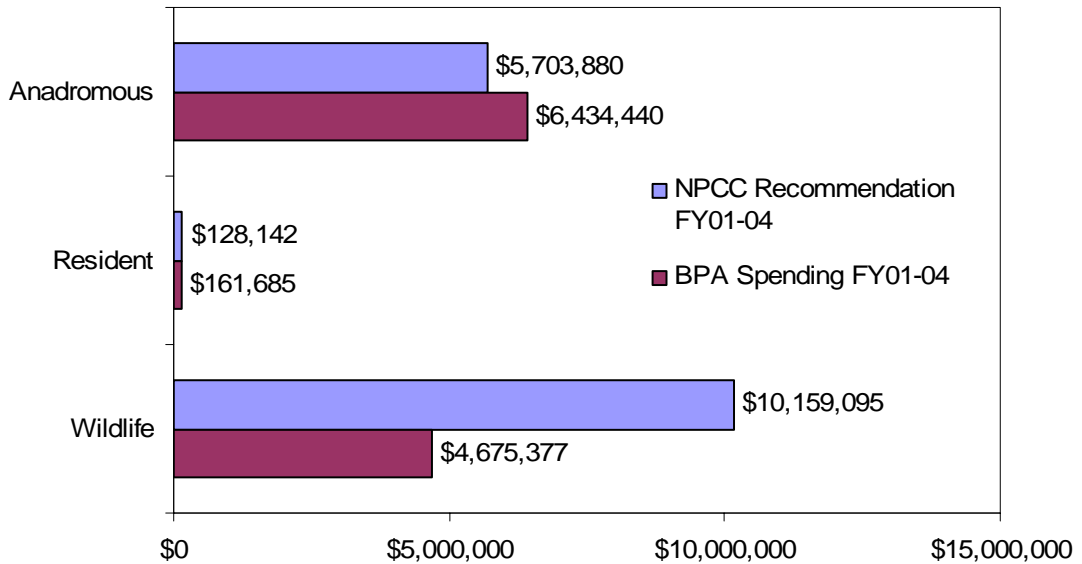


## Lower Columbia Province FY 2001-2004 Spending Summaries

### NPCC Recommendations and BPA Spending by Project Category, FY01-04



### NPCC Recommendations and BPA Spending by Project Type, FY01-04

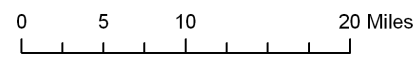
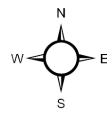
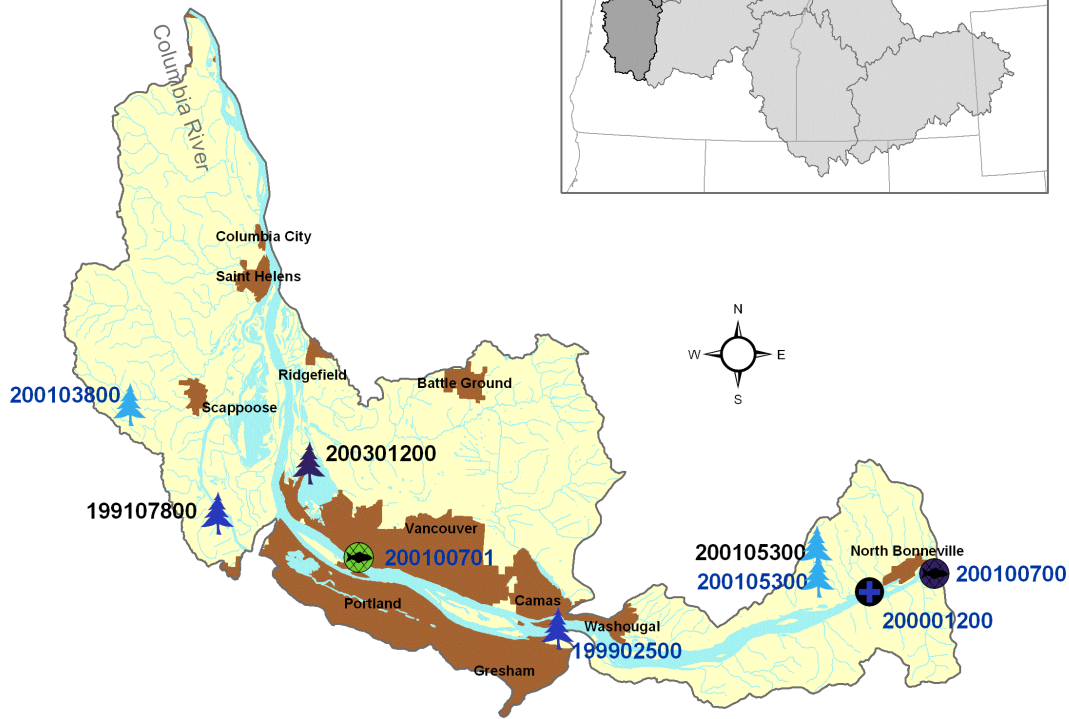
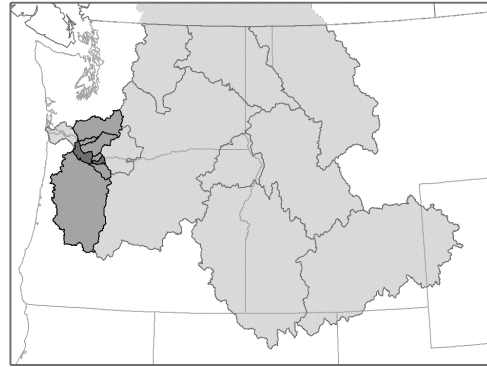


# Columbia Lower Subbasin



FY 2001-2004 NPCC Recommended and/or BPA Funded Fish & Wildlife Projects

Lower Columbia Province  
Columbia Lower Subbasin



**LEGEND**

Project Category		Location Accuracy	
	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

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: 4/2/2005

## Projects in the Columbia Lower Subbasin

<i>Project ID</i>	<i>Project Title</i>					<i>Review Cycle</i>		<i>BiOp?</i>
199107800	Burlington Bottoms Wildlife Mitigation Project					Lower Columbia		no
	FY	2001	2002	2003	2004	Type	Category	Accuracy
	NPCC Rec	\$120,932	\$125,041	\$110,000	\$102,540	Wildlife	Habitat	area
	BPA Spent	\$65,290	\$82,115	\$99,798	\$116,775			
199902500	Sandy River Delta Riparian Forest, Wetlands, and Anadromous Estuary Restoration					Lower Columbia		yes
	FY	2001	2002	2003	2004	Type	Category	Accuracy
	NPCC Rec	\$145,500	\$150,447	\$155,562	\$235,000	Anadromous	Habitat	area
	BPA Spent	\$ 0	\$302,778	\$139,640	\$232,544			
200001200	Evaluate Factors Limiting Columbia River Gorge Chum Salmon Populations					Lower Columbia		yes
	FY	2001	2002	2003	2004	Type	Category	Accuracy
	NPCC Rec	\$238,704	\$246,819	\$255,211	\$263,888	Anadromous	Research & Evaluation	area
	BPA Spent	\$302,950	\$460,129	\$246,820	\$263,888			
200100700	Evaluate Live Capture Selective Harvest Methods for Commercial Fisheries on the Columbia River					FY 2001 High Priority		yes
	FY	2001	2002	2003	2004	Type	Category	Accuracy
	NPCC Rec	\$ 0	\$ 0	\$633,000	\$ 0	Anadromous	Harvest	point
	BPA Spent	\$ 0	\$ 0	\$697,980	\$147,572			
200100701	Evaluate live capture selective harvest methods for commercial fisheries on the Columbia River (High Priority)					FY 2001 High Priority		yes
	FY	2001	2002	2003	2004	Type	Category	Accuracy
	NPCC Rec	\$384,285	\$659,358	\$ 0	\$ 0	Anadromous	Harvest	subbasin
	BPA Spent	\$210,068	\$421,575	\$40,353	\$ 0			
200103800	Gourley Creek Dam Fish Ladder					FY 2001 High Priority		yes
	FY	2001	2002	2003	2004	Type	Category	Accuracy
	NPCC Rec	\$200,119	\$ 0	\$ 0	\$ 0	Anadromous	Habitat	stream
	BPA Spent	\$ 0	\$195,800	\$3,260	\$ 0			
200105300	Re-introduction of Lower Columbia River Chum Salmon into Duncan Creek					FY 2001 High Priority		no
	FY	2001	2002	2003	2004	Type	Category	Accuracy
	NPCC Rec	\$ 0	\$ 0	\$ 0	\$ 0	Anadromous	Habitat	stream
	BPA Spent	\$ 0	\$13,323	\$ 0	\$ 0			

**Projects in the Columbia Lower Subbasin, continued...**

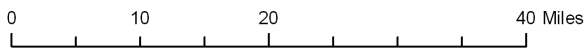
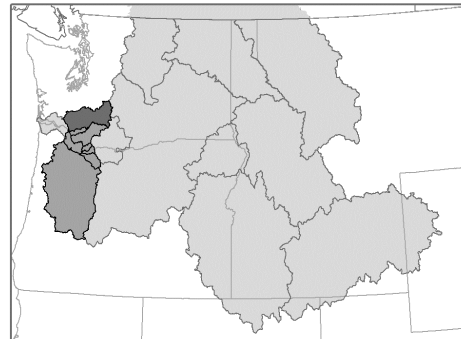
<i>Project ID</i>	<i>Project Title</i>					<i>Review Cycle</i>		<i>BiOp?</i>
200105300	Re-introduction of Lower Columbia River Chum Salmon into Duncan Creek					Lower Columbia		yes
	FY	2001	2002	2003	2004	Type	Category	Accuracy
	NPCC Rec	\$ 0	\$ 0	\$381,671	\$321,823	Anadromous	Habitat	stream
	BPA Spent	\$ 0	\$448,636	\$419,547	\$267,271			
200301200	Protect, Enhance and Maintain Wetland, Riparian and Upland Habitat on the Shillapoo Wildlife Area					Lower Columbia		no
	FY	2001	2002	2003	2004	Type	Category	Accuracy
	NPCC Rec	\$ 0	\$ 0	\$ 0	\$253,430	wildlife	Habitat	point
	BPA Spent	\$ 0	\$ 0	\$ 0	\$112,242			

# Cowlitz Subbasin



FY 2001-2004 NPCC Recommended and/or BPA Funded Fish & Wildlife Projects

Lower Columbia Province  
Cowlitz 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: 4/2/2005

**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**

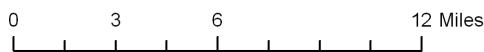
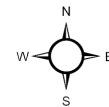
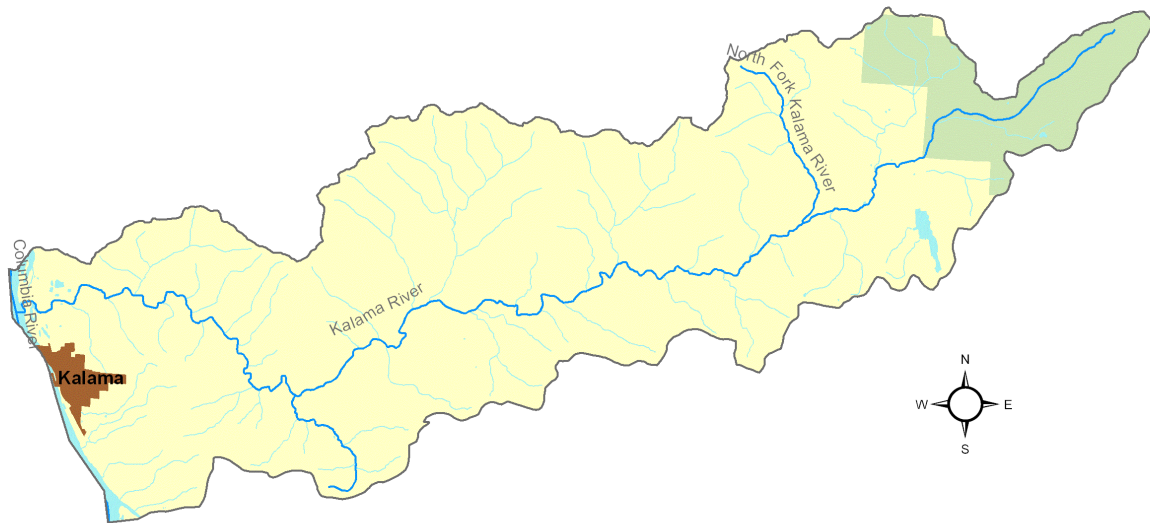
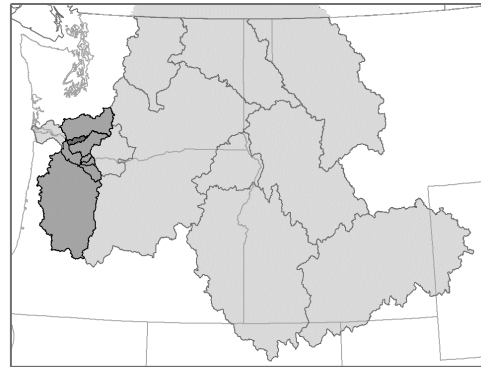
Federal	Tribal	State	Local	Private	Urban

# Kalama Subbasin



FY 2001-2004 NPCC Recommended and/or BPA Funded Fish & Wildlife Projects

Lower Columbia Province  
Kalama 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: 4/2/2005

**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			

**Project Labels**

Biological Opinion      Non Biological Opinion

**Land Use/Ownership**

Federal	Tribal	State	Local	Private	Urban
---------	--------	-------	-------	---------	-------

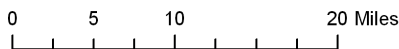
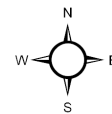


# Lewis Subbasin



FY 2001-2004 NPCC Recommended and/or BPA Funded Fish & Wildlife Projects

## Lower Columbia Province Lewis 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: 4/2/2005

**LEGEND**

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



## Projects in the Lewis Subbasin

<i>Project ID</i>	<i>Project Title</i>					<i>Review Cycle</i>		<i>BiOp?</i>
200001400	Evaluate Habitat Use and Population Dynamics of Lampreys in Cedar Creek					Lower Columbia		no
	FY	2001	2002	2003	2004	Type	Category	Accuracy
	NPCC Rec	\$185,000	\$191,290	\$197,742	\$204,465	Anadromous	Research & Evaluation	stream
	BPA Spent	\$170,840	\$368,688	\$257,984	\$220,932			

# Sandy Subbasin

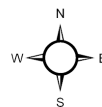
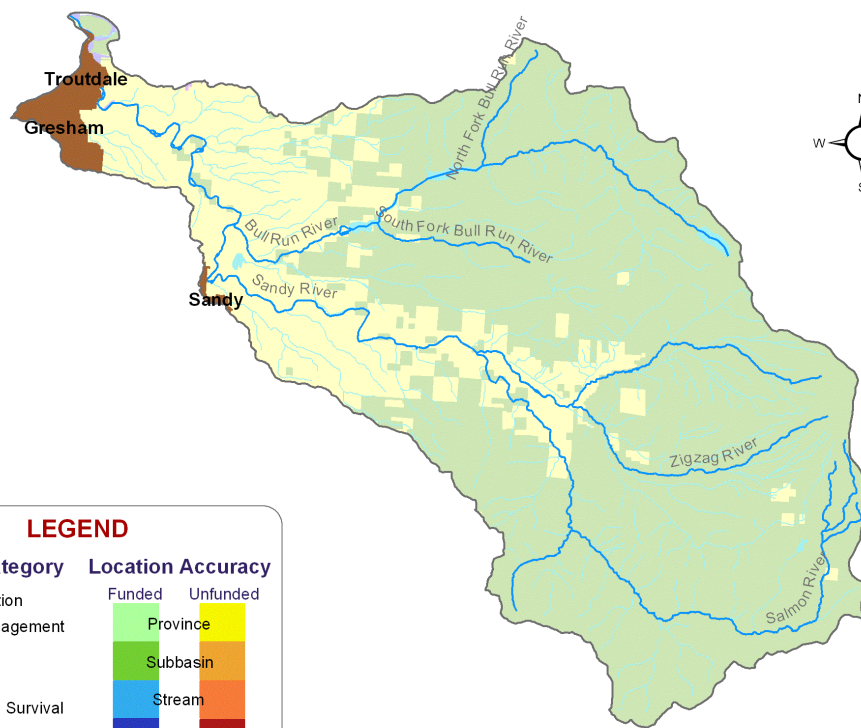


**Columbia Basin  
Fish and Wildlife Authority**

FY 2001-2004 NPCC Recommended and/or  
BPA Funded Fish & Wildlife Projects



## Lower Columbia Province Sandy Subbasin



### LEGEND

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

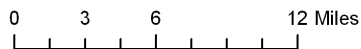
**Project Labels**

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: 4/2/2005

# Washougal Subbasin



**Columbia Basin  
Fish and Wildlife Authority**

FY 2001-2004 NPCC Recommended and/or  
BPA Funded Fish & Wildlife Projects



## Lower Columbia Province Washougal Subbasin



0 2 4 8 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: 4/2/2005

**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	

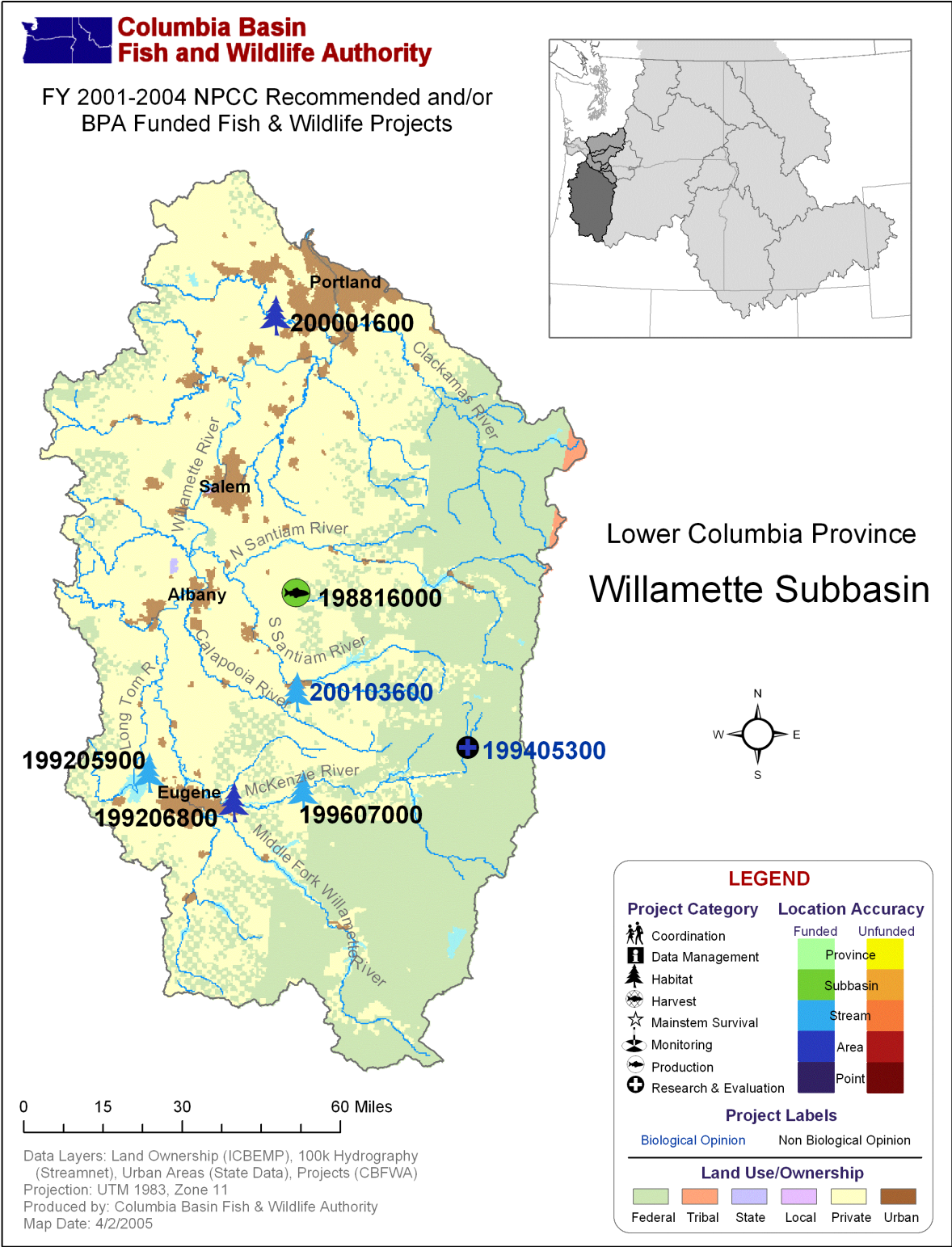
**Project Labels**

Biological Opinion    Non Biological Opinion

**Land Use/Ownership**

Federal	Tribal	State	Local	Private	Urban
---------	--------	-------	-------	---------	-------

# Willamette Subbasin



## Projects in the Willamette Subbasin

<i>Project ID</i>	<i>Project Title</i>				<i>Review Cycle</i>		<i>BiOp?</i>	
198816000	Willamette Hatchery Oxygen Supplementation				FY 2000		no	
	FY	2001	2002	2003	2004	Type	Category	Accuracy
	NPCC Rec	\$ 0	\$ 0	\$ 0	\$ 0	Anadromous	Production	subbasin
	BPA Spent	\$2,102	\$ 0	\$ 0	\$ 0			
199205900	Amazon Basin/Eugene Wetlands Phase Two				Lower Columbia		no	
	FY	2001	2002	2003	2004	Type	Category	Accuracy
	NPCC Rec	\$493,373	\$510,146	\$60,650	\$62,712	Wildlife	Habitat	stream
	BPA Spent	\$43,927	\$58,112	\$84,172	\$1,437,089			
199206800	Implement Willamette Basin Mitigation Program				Lower Columbia		no	
	FY	2001	2002	2003	2004	Type	Category	Accuracy
	NPCC Rec	\$2,619,237	\$2,708,291	\$938,500	\$1,320,649	Wildlife	Habitat	area
	BPA Spent	\$479,133	\$238,917	\$286,805	\$1,397,910			
<i>199405300</i>	<i>Middle Fork Willamette River Bull Trout Re-introduction and Basinwide Monitoring</i>				<i>Lower Columbia</i>		<i>yes</i>	
	FY	2001	2002	2003	2004	Type	Category	Accuracy
	NPCC Rec	\$63,000	\$65,142	\$ 0	\$ 0	Resident	Research & Evaluation	area
	BPA Spent	\$52,432	\$50,005	\$60,205	(\$ 957)			
199607000	McKenzie River Focus Watershed Program Coordination and Habitat Restoration				Lower Columbia		no	
	FY	2001	2002	2003	2004	Type	Category	Accuracy
	NPCC Rec	\$115,000	\$118,910	\$122,953	\$127,133	Anadromous	Habitat	stream
	BPA Spent	\$86,105	\$119,530	\$119,383	\$110,779			
200001600	Protect and Enhance Tualatin River National Wildlife Refuge Additions				Lower Columbia		no	
	FY	2001	2002	2003	2004	Type	Category	Accuracy
	NPCC Rec	\$274,250	\$274,250	\$91,000	\$94,094	Wildlife	Habitat	area
	BPA Spent	\$ 0	\$5,699	\$39,700	\$127,694			
200103600	Ames Creek Restoration				FY 2001 High Priority		yes	
	FY	2001	2002	2003	2004	Type	Category	Accuracy
	NPCC Rec	\$170,000	\$ 0	\$ 0	\$ 0	Anadromous	Habitat	stream
	BPA Spent	\$ 0	\$26,086	\$137,878	\$ 0			

Projects in *italics* have preliminary results data included in Volume I.

This page intentionally left blank.