

Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
<u>GRMWP</u> ² <u>ID</u>	<u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>
	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Lower Grande Ronde Steelhead				
Subarea: Lower Mainstem Grande Ronde				
<u>1050</u>	OSU/BCC Grazing System Development & Habitat Improvement	Stabilize & improve roads, livestock water developments, riparian pasture fencing, cross fencing, riparian & meadow planting, develop & demonstrate DSS model. [1995]	Howard Creek/Grossman Creek and Minam River/Wallowa River subwatersheds, Little Catherine Creek	Riparian Condition
	Boise Cascade	riparian planting, 2 stream mi tr, 12 rip ac tr; pond water development(s) - 15 ; spring water development(s) - 13 ; riparian cross fence - 3.5 mi, 5 stream mi ben, 5000 rip ac ben	OWHP 51.2%, Boise Cascade 46.9%, EOARC 1.9%	Photo Reference Points, Vegetation Measures
<u>1106</u>	Grossman Creek Improvement	Intensified livestock grazing management program, fencing of internal & external structure of grazing allotment pastures, livestock water development improvements [1995]	Grossman & East Grossman Creeks, Deep Creek, Clear Creek, Howard Creek	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity
	Boise Cascade	pond water development(s) - 35 ; spring water development(s) - 9 ; upland cross fence - 20.2 mi, 34 stream mi ben, 32000 upl ac ben	Boise Cascade 51.6%, GWEB 48.4%	Fish Population, In Channel Habitat, Photo Reference Points, Vegetation Measures, Water Quality Testing
<u>1179</u>	Upper Whiskey & Tope Creek Sediment Reduction & Riparian Enhancement	Resurface road, replace bridge with culvert/ford, obliterate road, riparian enclosure fencing, livestock water developments [1997]	Headwaters of Tope & Whiskey Crk	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	GWEB, Wallowa SWCD	road(s) improved - 1.5 mi; road(s) obliterated - 0.5 mi; stream crossing structure(s) - 1 ; spring water development(s) - 5 ; riparian exclusion fence - 2 mi, 0.75 stream mi tr, 9 rip ac tr	BPA 50.9%, Private Ind/Bus 22.6%, GWEB 22.1%, ODFW 4.4%	Photo Reference Points
<u>1279</u>	Walla Walla RD Road Obliteration - FS	Road obliteration [1995]	Lookingglass, Phillips, Willow Crk, Grande Ronde/Rondowa, and Grande Ronde/Cabin Creek Watersheds	Water Quality - Sediment Reduction
	Walla Walla RD	road(s) obliterated - 0.3 mi	Walla Walla RD 100%	
<u>1333</u>	Grande Ronde River Seeding of Flood Damaged Areas	Aerial seed flood damaged areas [1997]	Wallowa Co., Grande Ronde River/Wenaha River, Joseph Crk, Buford Crk, Broady Crk, Cottonwood Crk, Deer Crk	Water Quality - Sediment Reduction
	ODFW	upland seeding, 640 upl ac tr	BPA 53.2%, ODFW 18.5%, NPT 14.8%, GWEB 11.8%, Private Ind/Bus 1.8%	Annual Site Inspection

¹ Population Unit Definitions from NOAA

² underlined Project ID = Project approved through Grande Ronde Model Watershed Program

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	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Lower Grande Ronde Steelhead				
Subarea: Lower Mainstem Grande Ronde				
<u>1335</u>	Bob Morse Livestock Water Development and Stream Crossing Improvement	Livestock water development, cross fence, road crossing [1998]	Unnamed tributary to Grande Ronde River below City of Troy	Streambank Stability, Water Quality - Sediment Reduction
	NRCS Wallowa Co	stream crossing structure(s) - 1 ; spring water development(s) - 1 ; upland cross fence - 0.51 mi, 1 stream mi ben	BPA 54.5%, Private Ind/Bus 45.5%	Photo Reference Points, Vegetation Measures
<u>1384</u>	Swamp Exclosure Riparian Enhancement - USFS	Wetland/riparian fencing & planting [1997]	Tope Crk Watershed	Riparian Condition, Upland Habitat Improvement, Water Quality - Overall, Water Quantity
	Wallowa Valley RD	riparian planting, 2 rip ac tr; riparian exclusion fence - 0.31 mi, 3 rip ac tr	Wallowa Valley RD 100%	
<u>1395</u>	Grouse Creek Culvert Replacement	Replace culverts hindering fish passage with a single bottomless arch culvert [1998]	Grouse Creek at confluence with Grande Ronde River	Fish Passage
	Wallowa Co PW	road(s) improved - 0.08 mi; stream crossing structure(s) - 1 , 6.5 stream mi made accessible to fish	GWEB 60.5%, BPA 34.9%, Wallowa Co PW 4.7%	Fish Population, Photo Reference Points
<u>1398</u>	Promise Sediment Reduction & Road Rehabilitation	Reconstruct road, install culverts, relocate draw-bottom portion of road. [1998]	Wildcat Creek and tributary	Water Quality - Sediment Reduction
	Wallowa SWCD	road(s) improved - 4.5 mi	Private Ind/Bus 59.7%, GWEB 40.3%	Photo Reference Points
<u>1426</u>	Buck Creek Riparian Pasture Fence & Large Woody Material Placement - USFS	Riparian pasture fence and instream placement of large woody debris [1998]	Buck Creek	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction, Water Quantity
	Wallowa Valley RD	placement of large woody material, 3 stream mi tr; riparian/upland cross fence - 1.75 mi, 1.75 stream mi ben, 100 rip/upl ac ben	Wallowa Valley RD 100%	
<u>1428</u>	Upper Mud Creek Watershed Large Woody Debris Placement - USFS	Instream placement of large woody debris [1998]	McCubbin Creek, Upper Mud Creek & Sled Creek	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction, Water Quantity
	Wallowa Valley RD	placement of large woody material, 4.5 stream mi tr	Wallowa Valley RD 100%	
<u>1459</u>	RY Timber Road Improvements - 1997-1998	Road construction, reconstruction, & maintenance; rocking, relocating out of drawbottoms, improved drainage. [1998]	Wallowa Co., affecting Mud Creek, Allen Canyon, Reavis Creek, tributaries to Wallowa Lake and Prairie Creek, Little Bear Creek, Alkali Canyon, Buford Creek and Applegate Canyon	Water Quality - Sediment Reduction
	RY Timber Inc	road(s) improved - 4.5 mi	RY Timber Inc 100%	

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Salmonid Population Area

Selected for Projects with a Primary Year of Work greater than or equal to 1994

<u>GRMWP ID</u> ²	<u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>
<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Area</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>	
Lower Grande Ronde Steelhead				
Subarea: Lower Mainstem Grande Ronde				
1460	Lower Grande Ronde Riparian Fence - ACCD/NRCS/Bezona	Riparian enclosure fence [1998]	Lower Grande Ronde R, north bank, ~RM 27-29.5	Streambank Stability, Water Quality - Chemical, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	Asotin Co CD, NRCS Asotin Co	riparian exclusion fence - 2.31 mi, 2.31 stream mi tr, 14 rip ac tr	Asotin Co CD 90.2%, NRCS Asotin Co 9.8%	Photo Reference Points
1461	Lower Grande Ronde Riparian Fence - ACCD/NRCS-Rock N J	Riparian enclosure fence [1998]	Lower Grande Ronde R, near confluence with Snake R	Streambank Stability, Water Quality - Chemical, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	Asotin Co CD, NRCS Asotin Co	riparian exclusion fence - 0.37 mi, 0.37 stream mi tr, 2 rip ac tr	Asotin Co CD 77.3%, NRCS Asotin Co 22.7%	Photo Reference Points
1466	Bakke Meadows Wetland Restoration	Wetland restoration; pasture fence and grazing modification, meadow/upland plantings, check dams to raise water table [1999]	Bakke Meadow, headwaters of Tope Creek	Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity, Wildlife Habitat Improvement
	Wallowa SWCD	rock structure(s) - 3, 1.5 stream mi tr; restore wet meadow, 100 rip/upl ac tr; wet meadow planting, 1.5 stream mi tr, 50 rip/upl ac tr; wet meadow cross fence - 3.5 mi, 1.5 stream mi ben, 100 rip/upl ac ben	GWEB 80.9%, Private Ind/Bus 19.1%	Photo Reference Points, Vegetation Measures
<u>1500</u>	Wallowa County Direct Seeding Demonstration	Demonstrate the application of direct seeding (no-till) cropland in Wallowa County [1999]	Wallowa County, representative crop producing areas	Education, Water Quality - Chemical, Water Quality - Sediment Reduction
	NRCS Wallowa Co	modify agriculture practice(s), 300 upl ac tr	Private Ind/Bus 49.7%, OWEB 30%, BPA 20.3%	Annual Project Assessment
<u>1506</u>	Wildcat Creek/Wallowa County Public Works/Culvert Replacement	Replace culverts hindering fish passage with single bottomless arch culverts [2002]	Wallupa Road (county road # 501) @ Wildcat Creek rm 0.2 & 2.0	Fish Passage
	Wallowa Co PW	stream crossing structure(s) - 2	BPA 44.6%, GWEB 40.4%, Wallowa Co PW 15%	Photo Reference Points
1520	Wallowa County Healthy Forested Watershed	Precommercial thin overstocked forest stands, plant understocked forest stands, riparian improvements, develop stewardship plans [2000]	Private lands in Wallowa Co.	Upland Habitat Improvement, Water Quality - Sediment Reduction, Water Quantity
	ODF Wallowa Co	upland planting, 29 upl ac tr; thinning, 95 upl ac tr	OWEB 47.3%, Private Ind/Bus 44.1%, ODF Wallowa Co 8.5%	Photo Reference Points, Vegetation Measures

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Selected for Projects with a Primary Year of Work greater than or equal to 1994

<small>GRMWP 2</small> ID	Project Name	Project Description and [Primary Year of Work]	Location	Objectives
	Lead Organization(s)	On the Ground Tasks for Population Are	Funding Source - % of Funding	Monitoring
Lower Grande Ronde Steelhead				
Subarea: Lower Mainstem Grande Ronde				
1533	Mud Creek Watershed Road Closures - USFS	Decommission 2 roads [1999]	McCubbin Creek	Water Quality - Sediment Reduction
	Wallowa Valley RD	road(s) closed - 2.7 mi	Wallowa Valley RD 100%	
<u>1543</u>	East End Road Obliteration and Sediment Reduction	Obliterate and stabilize roads [2001]	Lower Grande Ronde River/Wenaha River subbasin, Bear Crk, Elbow Crk and Alder Crk subwatersheds.	Spawning Habitat Protection, Water Quality - Sediment Reduction
	Walla Walla RD	road(s) improved - 17 mi; road(s) obliterated - 40 mi	Walla Walla RD 92.3%, BPA 7.7%	USFS Assessment Monitoring
<u>1560</u>	USFS Upper Wildcat & Joseph Creek Watershed Improvement Project	Riparian enclosure fence and plantings, livestock/wildlife spring development and protection, instream placement of large woody material [2001]	Peavine, Davis, Alder, Chesnimus, Tamarack Gulch, and Wildcat Creeks	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity
	Wallowa Valley RD	placement of large woody material, 2.25 stream mi tr; riparian planting, 2 stream mi tr, 18 rip ac tr; spring water development(s) - 1 ; riparian exclusion fence - 2 mi, 1 stream mi tr, 12 rip ac tr	Wallowa Valley RD 49.7%, BPA 48%, Allotment Permittee 2.3%	Photo Reference Points
1563	Tope & Whiskey Creek Riparian Enhancement Project	Livestock water developments and road improvements [2001]	Tope Creek, Whiskey Creek, Bakke Meadows wetland	Water Quality - Sediment Reduction
	ODF Wallowa Co, Wallowa SWCD	road(s) improved - 2.6 mi; pond water development(s) - 2 ; spring water development(s) - 2	OWEB 55.3%, Private Ind/Bus 33.7%, ODFW 9.3%, ODF Wallowa Co 1.6%	Photo Reference Points
1570	Deer Creek Afforestation	Upland seeding and tree planting [2001]	Upland at headwaters of Deer Creek	Water Quality - Overall, Water Quality - Sediment Reduction, Water Quantity
	ODF Wallowa Co	upland planting, 1 stream mi ben, 70 upl ac tr; upland seeding, 1 stream mi ben, 70 upl ac tr	OWEB 65.3%, Private Ind/Bus 29.1%, ODF Wallowa Co 5.6%	Photo Reference Points
1581	Wenaha River-Wenatchee Creek Trail Projects - 2000	Trail reconstruction/relocation, stabilize slopes and streambanks associated with trail system. [2000]	Wenaha River, Wenatchee (also known as Menatchee), Indian Tom, Hoodoo, Cross Canyon, and Cat Track Trails	Streambank Stability, Water Quality - Sediment Reduction
	Pomeroy RD	improve trails - 3.31 mi	Pomeroy RD 100%	
1582	Wenaha River-Wenatchee Creek Trail Projects - 2001	Trail reconstruction/relocation, stabilize slopes and streambanks associated with trail system, noxious weed control. [2001]	Wenaha River, Wenatchee (also known as Menatchee), and Wenaha Beaver Trails	Streambank Stability, Water Quality - Sediment Reduction
	Pomeroy RD	improve trails - 8.38 mi	Pomeroy RD 100%	

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	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Area</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Lower Grande Ronde Steelhead				
Subarea: Lower Mainstem Grande Ronde				
1585	Wildcat/Mud/Courtney Creek Watershed - Large Woody Material Placement - USFS	Large woody material placement [2000]	Sled, Evans, Wildcat and McCubbin Creek drainages, primarily ephemeral, intermittent & perennial nonfish-bearing streams	Instream Habitat Diversity, Water Quality - Sediment Reduction, Water Quantity
	Wallowa Valley RD	placement of large woody material, 22 stream mi tr	Wallowa Valley RD 100%	
<u>1592</u>	Grouse Creek Restoration	Instream structures & riparian planting [2001]	Grouse Creek, just above confluence with lower Grande Ronde River	Fish Passage, Water Quality - Temperature Improvement
	BLM	rock structure(s) - 17 , 0.04 stream mi tr; riparian planting, 0.29 stream mi tr, 1 rip ac tr; riparian seeding, 0.29 stream mi tr, 1 rip ac tr	BLM 49.1%, BPA 42.4%, Wallowa Co PW 8.5%	In Channel Habitat, Photo Reference Points, Vegetation Measures
<u>1605</u>	Muddy Elk Hunter Riparian & Watershed Improvement Project	Instream large woody material placement, riparian enclosure & pasture fencing, riparian planting, livestock water developments, modify instream structures, remove/modify culverts [2001]	Joseph Crk watershed, Tope Creek	Streambank Stability, Water Quality - Sediment Reduction, Water Quantity
	Wallowa Valley RD	riparian exclusion fence - 0.06 mi	Wallowa Valley RD 71.5%, BPA 25.7%, Allotment Permittee 2.8%	Photo Reference Points
1640	Wildcat Trib Enclosure - USFS	Wetland/spring enclosure fence [2000]	Wildcat Creek Tributary	Riparian Condition, Water Quality - Sediment Reduction
	Wallowa Valley RD	spring enclosure fence - 0.3 mi, 3 rip ac tr	Wallowa Valley RD 100%	
1643	Lower Grande Ronde/Menatche Creek Watershed Pasture/Hayland Planting	Plant cropland to perennial grass [2002]	Lower Grande Ronde/Menatche Creek Watershed	Water Quality - Sediment Reduction
	Asotin Co CD	modify agriculture practice(s), 3.5 stream mi ben, 554 upl ac tr	Four-O Cattle Co. 81.6%, Asotin Co CD 18.4%	
1644	Grouse Creek Subwatershed Cross Fence	Cross fence [2001]	Grouse Crk tributary and Sheep Crk	Water Quality - Sediment Reduction
	Asotin Co CD	pond water development(s) - 3 ; upland cross fence - 1.1 mi, 1 stream mi ben, 1800 upl ac ben	Private Ind/Bus 50%, Asotin Co CD 50%	
1645	Shumaker Creek Subwatershed Pasture/Hayland Planting	Plant grazed land to pasture/hayland grasses [2003]	Lower Grande Ronde/Shumaker Crk SWS	Water Quality - Sediment Reduction
	Asotin Co CD	modify agriculture practice(s), 0.5 stream mi ben, 48.7 upl ac tr	Private Ind/Bus 50%, Asotin Co CD 50%	

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	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Lower Grande Ronde Steelhead				
Subarea: Lower Mainstem Grande Ronde				
1646	Lower Rattlesnake Creek CREP 02/03	Riparian enclosure fence and planting [2003]	lower Rattlesnake Creek	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	FSA Asotin Co.	riparian planting, 0.11 stream mi tr, 4.7 rip ac tr; CREP, 0.11 stream mi tr, 4.7 rip ac tr; riparian exclusion fence - 0.11 mi, 0.11 stream mi tr, 4.7 rip ac tr	FSA Asotin Co. 96.4%, Asotin Co CD 3.6%	
1647	Rattlesnake/Buford Creek CREP/CRP	Riparian exclusion fence and planting, livestock water developments, CREP and CRP [2003]	Rattlesnake, West Branch Rattlesnake and Buford Creek	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	FSA Asotin Co.	riparian planting, 5.84 stream mi tr, 205.2 rip ac tr; CREP, 4.86 stream mi tr, 199.9 rip ac tr; spring water development(s) - 2 ; riparian exclusion fence - 9.92 mi, 5.84 stream mi tr, 205.2 rip ac tr	FSA Asotin Co. 95.7%, Asotin Co CD 3.9%, Private Ind/Bus 0.3%	
Lower Grande Ronde Steelhead				
Subarea: Wenaha River Chinook				
<u>1145</u>	Lower Wenaha River Flood Damage & Trail Restoration	Relocate & reconstruct trail, repair & construct culvert crossings, stabilize slopes with rock terraces, revegetate bare/unstable surfaces [1997]	Lower Wenaha River, Butte Creek, Slick Ear Crk	Streambank Stability, Water Quality - Sediment Reduction
	Pomeroy RD, Umatilla NF	riparian planting, 2 stream mi tr; riparian seeding, 2 stream mi tr; improve trails - 1.23 mi	BPA 50%, Blue Mtn Back Cntry Hrsmn 25%, Umatilla NF 25%	Photo Reference Points, Vegetation Measures
<u>1333</u>	Grande Ronde River Seeding of Flood Damaged Areas	Aerial seed flood damaged areas [1997]	Wallowa Co., Grande Ronde River/Wenaha River, Joseph Crk, Buford Crk, Broady Crk, Cottonwood Crk, Deer Crk	Water Quality - Sediment Reduction
	ODFW	upland seeding, 550 upl ac tr	BPA 53.2%, ODFW 18.5%, NPT 14.8%, GWEB 11.8%, Private Ind/Bus 1.8%	Annual Site Inspection
1358	Lower Wenaha River Tributary Trails - Flood Damage and Trail Restoration - USFS 1997	Restored, reconstructed, and relocated trails [1997]	Crooked Creek Trail and Smooth Ridge Trail on tributaries to Wenaha River	Streambank Stability, Water Quality - Sediment Reduction
	Pomeroy RD	improve trails - 9.25 mi	Pomeroy RD 100%	

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	Lead Organization(s)	On the Ground Tasks for Population Area	Funding Source - % of Funding	Monitoring
Lower Grande Ronde Steelhead				
Subarea: Wenaha River Chinook				
1438	Lower Wenaha, Wenaha Rock & Grizzly Bear Trail Restoration - USFS 1998	Relocate & reconstruct trails, repair slide damage, seed disturbed sites [1998]	Lower Wenaha River & Rock Creek	Streambank Stability, Water Quality - Sediment Reduction
	Pomeroy RD	improve trails - 0.89 mi	Pomeroy RD 100%	
<u>1543</u>	East End Road Obliteration and Sediment Reduction	Obliterate and stabilize roads [2001]	Lower Grande Ronde River/Wenaha River subbasin, Bear Crk, Elbow Crk and Alder Crk subwatersheds.	Spawning Habitat Protection, Water Quality - Sediment Reduction
	Walla Walla RD	road(s) improved - 3 mi; road(s) obliterated - 12 mi	Walla Walla RD 92.3%, BPA 7.7%	USFS Assessment Monitoring
1581	Wenaha River-Wenatchee Creek Trail Projects - 2000	Trail reconstruction/relocation, stabilize slopes and streambanks associated with trail system. [2000]	Wenaha River, Wenatchee (also known as Menatchee), Indian Tom, Hoodoo, Cross Canyon, and Cat Track Trails	Water Quality - Sediment Reduction
	Pomeroy RD	improve trails - 11.4 mi	Pomeroy RD 100%	
1582	Wenaha River-Wenatchee Creek Trail Projects - 2001	Trail reconstruction/relocation, stabilize slopes and streambanks associated with trail system, noxious weed control. [2001]	Wenaha River, Wenatchee (also known as Menatchee), and Wenaha Beaver Trails	Streambank Stability, Water Quality - Sediment Reduction
	Pomeroy RD	noxious weed control, 7 stream mi tr, 40 rip ac tr; improve trails - 0.5 mi	Pomeroy RD 100%	
Joseph Creek Steelhead				
<u>1013</u>	B & H Ranch Riparian Revegetation Workshop	Streambank bioengineering, riparian zone vegetation planting, education/workshop [1995]	Chesnimnus Creek	Education, Streambank Stability, Water Quality - Temperature Improvement, Wildlife Habitat Improvement
	OWHP	streambank planting, 0.1 stream mi tr, 1 rip ac tr; riparian planting, 3 stream mi tr, 10 rip ac tr	OWHP 100%	
<u>1162</u>	Lathrop Streambank Protection	Rock barbs, log jetties, streambank reconfiguration & planting [1996]	Joseph Creek	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	NRCS Wallowa Co	streambank log structure(s) - 4 , 0.03 stream mi tr; streambank rock structure(s) - 6 , 0.07 stream mi tr; streambank planting, 0.1 stream mi tr	BPA 59.4%, Private Ind/Bus 40.6%	Photo Reference Points

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Joseph Creek Steelhead			
1200	South Fork Chesnimnus Creek - Riparian Enhancement - USFS	Riparian enclosure & planting [1994]	South Fork Chesnimnus Crk
	Wallowa Valley RD	riparian enclosure & planting, 0.15 stream mi tr, 1.5 rip ac tr; riparian exclusion fence - 0.3 mi, 0.15 stream mi tr, 2 rip ac tr	Wallowa Valley RD 100%
<u>1270</u>	Birkmaier Streambank Protection	Streambank riprap & gravel bar removal [1996]	Crow & Elk Creek, ~1mi above confluence of Crow Crk & Chesnimnus
	NRCS Wallowa Co	misc. channel work, 0.03 stream mi tr; streambank rock treatment, 0.08 stream mi tr	BPA 85.6%, Private Ind/Bus 7.2%, FSA 7.2%
<u>1300</u>	Cottonwood Creek Riparian Enhancement	Streambank rock jetties, riprap, gravel bar removal & road improvements [1996]	Cottonwood Creek
	ODFW	misc. channel work, 0.06 stream mi tr; streambank rock treatment, 0.14 stream mi tr; streambank rock structure(s) - 9, 3 stream mi tr; streambank seeding, 0.01 stream mi tr; road(s) improved - 0.1 mi	Private Ind/Bus 75.9%, BPA 23.3%, ODFW 0.8%
1302	Alder Creek Exlosures - FS	Riparian exlosures [1996]	Alder Crk
	Wallowa Valley RD	riparian exclusion fence - 1.3 mi, 0.5 stream mi tr, 2 rip ac tr	Wallowa Valley RD 100%
1305	Chesnimnus Ponds - FS	Livestock ponds [1995]	Chesnimnus Crk, Billy Creek & Big Canyon
	Wallowa Valley RD	pond water development(s) - 4	Allotment Permittee 50%, Wallowa Valley RD 50%
<u>1333</u>	Grande Ronde River Seeding of Flood Damaged Areas	Aerial seed flood damaged areas [1997]	Wallowa Co., Grande Ronde River/Wenaha River, Joseph Crk, Buford Crk, Broady Crk, Cottonwood Crk, Deer Crk
	ODFW	upland seeding, 750 upl ac tr	BPA 53.2%, ODFW 18.5%, NPT 14.8%, GWEB 11.8%, Private Ind/Bus 1.8%
1361	Elk Creek Road Repair I - Riparian Enhancement - Road 4600 - USFS	Stabilize slopes/streambank & revegetate bare/unstable surfaces [1997]	Elk Creek Road, MP 10.2
	Wallowa Valley RD	streambank planting, 0.06 stream mi tr; road(s) improved - 0.06 mi	Wallowa Valley RD 100%

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Joseph Creek Steelhead				
1362	Elk Creek Road Repair II - Riparian Enhancement - Road 4600 & 4620 - USFS	Stabilize & plant slopes/streambank, stabilize around arch pipe culvert [1997]	Elk Creek and Crow Creek, Road 4600 on Elk Creek (MP 10.5, 11.2, 12.8) and Road 4620 on Crow Creek (MP 2.0)	Streambank Stability, Water Quality - Sediment Reduction
	Wallowa Valley RD	streambank planting, 0.12 stream mi tr; road(s) improved - 0.12 mi	Wallowa Valley RD 100%	
1363	Chico Road Flood Repair - Riparian Enhancement - Road 4600185 - USFS	Repair road surface, stabilize slopes/streambank, streambank barbs [1997]	Chesnimnus Creek near confluence with Joseph Crk	Streambank Stability, Water Quality - Sediment Reduction
	Wallowa Valley RD	streambank rock structure(s) - 3 , 0.03 stream mi tr; road(s) improved - 0.03 mi	Wallowa Valley RD 100%	
1364	Cougar Creek Flood Repair - Riparian Enhancement - Road 4625190 - USFS	Replace plugged arch pipe culvert with fjord, instream large woody material [1997]	Cougar Creek, near confluence with Joseph Creek	Fish Passage, Instream Habitat Diversity
	Wallowa Valley RD	placement of large woody material, 0.01 stream mi tr; stream crossing structure(s) - 1	Wallowa Valley RD 100%	
1385	Muddy Pond Exclusion Riparian Enhancement	Pond/riparian planting [1997]	Peavine Crk Watershed	Riparian Condition, Upland Habitat Improvement, Water Quality - Overall, Water Quantity
	Wallowa Valley RD	riparian planting, 1 rip ac tr	Wallowa Valley RD 100%	
1386	Tamarack Gulch Riparian Enhancement - USFS	Riparian planting, large woody material [1997]	Tamarack Gulch (tributary to Chesnimnus Crk)	Instream Habitat Diversity, Riparian Condition, Streambank Stability, Water Quality - Overall, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity
	Wallowa Valley RD	placement of large woody material, 1 stream mi tr; riparian planting, 0.5 stream mi tr, 3 rip ac tr	Wallowa Valley RD 100%	
1387	Doe Creek Riparian Enhancement - USFS	Large woody material in ephemeral draws [1997]	Tributaries to Doe Crk	Instream Habitat Diversity, Riparian Condition, Streambank Stability, Water Quality - Overall, Water Quality - Sediment Reduction, Water Quantity
	Wallowa Valley RD	placement of large woody material, 1.5 stream mi tr	Wallowa Valley RD 100%	

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area

Selected for Projects with a Primary Year of Work greater than or equal to 1994

<u>GRMWP ID</u> ²	<u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>
	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Area</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Joseph Creek Steelhead				
1388	Dry Forks Riparian Enhancement - USFS	Large woody material [1997]	Tributary to SF Chesnimnus Crk	Instream Habitat Diversity, Riparian Condition, Streambank Stability, Water Quality - Overall, Water Quality - Sediment Reduction, Water Quantity
	Wallowa Valley RD	placement of large woody material, 1.5 stream mi tr	Wallowa Valley RD 100%	
1412	Joseph Creek Watershed Improvement Project	Riparian enclosure fencing, livestock water developments, instream placement of large woody material [2000]	Joseph Creek Watershed	Instream Habitat Diversity, Riparian Condition, Streambank Stability, Water Quality - Sediment Reduction, Water Quantity
	Wallowa Valley RD	placement of large woody material, 77 stream mi tr; spring water development(s) - 8 ; riparian exclusion fence - 1.98 mi, 0.1 stream mi tr, 13.7 rip ac tr	Wallowa Valley RD 53.7%, BPA 43.5%, Allotment Permittee 2.7%	Photo Reference Points
1424	East Fork Peavine Large Woody Material Placement - USFS	Instream placement of large woody debris [1998]	East Fork Peavine Creek	Instream Habitat Diversity, Water Quality - Sediment Reduction, Water Quantity
	Wallowa Valley RD	placement of large woody material, 4.5 stream mi tr	Wallowa Valley RD 100%	
1425	South Fork Chesnimnus Creek Enclosure and Large Woody Material Placement - USFS	Riparian enclosure fence and instream placement of large woody debris [1998]	South Fork Chesnimnus Creek	Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity
	Wallowa Valley RD	placement of large woody material, 0.3 stream mi tr; riparian exclusion fence - 0.33 mi, 0.17 stream mi tr, 2 rip ac tr	Wallowa Valley RD 100%	
1427	Alder Creek Large Woody Debris Placement - USFS	Instream placement of large woody debris [1998]	Alder Creek and tributaries	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction, Water Quantity
	Wallowa Valley RD	placement of large woody material, 4 stream mi tr	Wallowa Valley RD 100%	
1429	Hilton Gulch Large Woody Debris Placement - USFS	Instream placement of large woody debris [1998]	Hilton Gulch	Water Quality - Sediment Reduction
	Wallowa Valley RD	placement of large woody material, 3 stream mi tr	Wallowa Valley RD 100%	
1434	Starvation Spring Creek Enclosure - USFS	Riparian enclosure fence [1998]	Starvation Spring Creek (tributary to Swamp Creek)	Riparian Condition
	Wallowa Valley RD	riparian exclusion fence - 0.25 mi, 0.12 stream mi tr, 1 rip ac tr	Wallowa Valley RD 100%	

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Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
GRMWP ² ID	Project Name	Project Description and [Primary Year of Work]	Location	Objectives
	Lead Organization(s)	On the Ground Tasks for Population Are	Funding Source - % of Funding	Monitoring
Joseph Creek Steelhead				
1454	Davis Creek Riparian Fence - USFS/ODFW	Riparian livestock enclosure fence [1999]	Davis Creek	Riparian Condition, Wildlife Habitat Improvement
	Hells Canyon NRA	riparian exclusion fence - 2.5 mi, 1.25 stream mi tr, 30 rip ac tr	Hells Canyon NRA 38.7%, ODFW 34.7%, Ruffed Grouse Soc 26.7%	
<u>1479</u>	Crow Creek Star Thistle Containment and Riparian & Spaldings Catchfly Enhancement Project	Noxious weed control & riparian pasture fence [2000]	Crow Creek	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	ODFW, Wallowa Valley RD	riparian cross fence - 1.25 mi, 0.9 stream mi ben, 150 rip ac ben; upland noxious weed control, 0.5 stream mi ben, 40 upl ac tr	ODFW 43.1%, BPA 31%, Allotment Permittee 13.7%, Wallowa Valley RD 12.2%	Photo Reference Points, Vegetation Measures
1532	Crow Creek Enhancement - NRCS/Birkmaier	Riparian enclosure fence & livestock water development [1999]		Riparian Condition
	NRCS Wallowa Co	spring water development(s) - 1 ; riparian exclusion fence - 0.34 mi, 0.34 stream mi tr, 4 rip ac tr	FSA 75%, Private Ind/Bus 25%	
1535	Nez Perce Tribe Precious Lands Wildlife Management Area Fencing	Boundary fence to exclude cattle [1999]	Nez Perce Tribal lands in Joseph Creek Watershed	Riparian Condition, Water Quality - Sediment Reduction
	NPT	riparian/upland exclusion fence - 3.38 mi, 7.25 stream mi tr, 3060 rip/upl ac tr	NPT 100%	Photo Reference Points
<u>1541</u>	Conservation Reserve Enhancement Program Incentive	Install CREP practices (riparian enclosure fencing and planting) and livestock water developments [2001]	Wallowa Co.	Riparian Condition
	NRCS Wallowa Co	riparian planting, 1.19 stream mi tr, 64.8 rip ac tr; CREP, 1.19 stream mi tr, 64.8 rip ac tr; spring water development(s) - 1 ; riparian exclusion fence - 2.32 mi, 1.19 stream mi tr, 64.8 rip ac tr	FSA 48.1%, OWEB 24%, BPA 14.3%, Private Ind/Bus 13.6%	NRCS Compliance Monitoring
<u>1560</u>	USFS Upper Wildcat & Joseph Creek Watershed Improvement Project	Riparian enclosure fence and plantings, livestock/wildlife spring development and protection, instream placement of large woody material [2001]	Peavine, Davis, Alder, Chesnimnus, Tamarack Gulch, and Wildcat Creeks	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity
	Wallowa Valley RD	riparian planting, 4 stream mi tr, 36 rip ac tr; spring water development(s) - 7 ; riparian exclusion fence - 7.65 mi, 3.75 stream mi tr, 45 rip ac tr	Wallowa Valley RD 49.7%, BPA 48%, Allotment Permittee 2.3%	Photo Reference Points

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
<u>GRMWP ID</u> ²	<u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>
	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Joseph Creek Steelhead				
1584	Elk Creek Riparian Fence Reconstruction - USFS	Reconstuct riparian enclosure fence [2000]	Elk Creek	Riparian Condition
	Wallowa Valley RD	riparian exclusion fence - 0.62 mi, 0.31 stream mi tr, 10 rip ac tr	Wallowa Valley RD 100%	
1588	Chesnimnus Watershed Road Obliteration - USFS	Obliterate roads [2000]	Chesnimunus Creek Tributaries, Vance Gulch & Doe Creek	Water Quality - Sediment Reduction, Water Quantity
	Wallowa Valley RD	road(s) obliterated - 1.6 mi	Wallowa Valley RD 100%	
<u>1605</u>	Muddy Elk Hunter Riparian & Watershed Improvement Project	Instream large woody material placement, riparian enclosure & pasture fencing, riparian planting, livestock water developments, modify instream structures, remove/modify culverts [2001]	Joseph Crk watershed, Tope Creek	Fish Passage, Spawning Habitat Protection, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity
	Wallowa Valley RD	placement of large woody material, 3.5 stream mi tr; log structure(s) - 80 , 6 stream mi tr; riparian planting, 3 stream mi tr, 15 rip ac tr; stream crossing structure(s) modified - 1 ; stream crossing structure(s) obliterated - 1 ; spring water development(s) - 7 ; riparian exclusion fence - 9.2 mi, 3.5 stream mi tr, 42 rip ac tr; riparian/upland cross fence - 1.25 mi, 3 stream mi ben, 2000 rip/upl ac ben	Wallowa Valley RD 71.5%, BPA 25.7%, Allotment Permittee 2.8%	Photo Reference Points
<u>1606</u>	Swamp Creek Hardwood & Wetland Restoration Project	Riparian drift fence & planting, road drainage improvements, plant propagation [2002]	Swamp Creek	Water Quality - Temperature Improvement
	Wallowa Valley RD	riparian planting, 2 stream mi tr, 20 rip ac tr; road(s) improved - 1.3 mi; pond water development(s) - 1 ; riparian cross fence - 10.2 mi, 6.5 stream mi ben, 100 rip ac ben	Wallowa Valley RD 84.4%, BPA 14.2%, Allotment Permittee 1.4%	In Channel Habitat, Photo Reference Points, Water Quality Testing
Wallowa River Steelhead				
Subarea: Wallowa/Lostine River Chinook				
<u>1012</u>	Minam Watershed Improvement	Crossfencing, modification of grazing system, livestock water development improvements, fish population inventories. [1994]	Minam River scenic waterway and uplands	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	Boise Cascade	pond water development(s) - 13 ; upland cross fence - 5.4 mi, 20 stream mi ben, 15000 upl ac ben	Boise Cascade 68.3%, OWHP 31.7%	In Channel Habitat, Photo Reference Points, Vegetation Measures, Water Quality Testing

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
<small>GRMWP ID</small> ² <u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>	
<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Area</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>	
Wallowa River Steelhead				
Subarea: Wallowa/Lostine River Chinook				
<u>1014</u>	Carman Ranch Gated Pipe Demonstration	Flood irrigation improvements [1994]	near Lostine River mouth	Education, Water Quality - Chemical, Water Quantity
	NRCS Wallowa Co	modify irrigation methods, 300 upl ac ben	USBR 54.7%, OWHP 19.7%, FSA 12.8%, Private Ind/Bus 12.8%	Photo Reference Points, Water Quality Testing, Water Quantity Testing
<u>1020</u>	Clearwater Ditch Improvement	Ditch fencing & improvements, livestock water developments, feedlot relocation, cross fencing [1995]	Clearwater Ditch & Lostine River, 2mi east of Wallowa	Water Quality - Chemical, Water Quality - Sediment Reduction, Wildlife Habitat Improvement
	NRCS Wallowa Co	ditch/canal work, 0.24 mi; relocate feedlot - 1 ; improve feedlot; spring water development(s) - 1 ; well water development(s) - 1 ; ditch exclusion fence - 0.35 mi; riparian/upland cross fence - 2.74 mi, 1.5 stream mi ben; upland cross fence - 0.23 mi, 1 stream mi ben, 40 upl ac ben	USBR 44.6%, Private Ind/Bus 34%, OWHP 17.7%, FSA 3.8%	Photo Reference Points, Water Quality Testing, Water Quantity Testing
<u>1022</u>	Bear Creek Relief Culverts	Construct and improve drainage culverts [1995]	Bear Creek Road, from mi 3.61 to WAW boundary	Water Quality - Sediment Reduction
	Wallowa Co	road(s) improved - 2.3 mi	Wallowa Co 50%, OWHP 50%	Photo Reference Points
<u>1024</u>	Lostine Riparian Fencing - Pyeatt	Riparian enclosure fencing [1995]	Lostine River	Streambank Stability, Water Quality - Chemical, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	Wallowa SWCD	riparian exclusion fence - 0.3 mi, 0.3 stream mi tr, 3 rip ac tr	OWHP 65.2%, Private Ind/Bus 34.8%	Photo Reference Points
<u>1026</u>	Lostine River Campgrounds	Altered or moved 19 campsites and closed 2.25 mi road [1995]	Lostine River Campground, from Williamson CG site to Two Pan CG site	Instream Habitat Diversity, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	Eagle Cap RD	misc. riparian enhancement(s), 15 rip ac tr; road(s) closed - 2.25 mi; close campground(s)/park, 7.9 rip ac tr; improve campground(s)/park, 7.1 rip ac tr	Eagle Cap RD 63.3%, OWHP 36.7%	Photo Reference Points
<u>1035</u>	Walking Cane Ranch Riparian Fencing/Livestock Watering	Riparian enclosure fencing & planting, livestock water development [1996]	Dry Creek	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity
	NRCS Wallowa Co	riparian planting, 0.5 stream mi tr, 2 rip ac tr; well water development(s) - 1 ; riparian exclusion fence - 0.27 mi, 0.5 stream mi tr, 6 rip ac tr	OWHP 45.2%, FSA 37.9%, Private Ind/Bus 16.9%	Photo Reference Points

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Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
<u>GRMWP</u> ² <u>ID</u> <u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>	
<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>	
Wallowa River Steelhead				
Subarea: Wallowa/Lostine River Chinook				
<u>1036</u>	Trout Creek Ponds	Modify livestock ponds to retain water and trap sediment. [1996]	Trout Creek	Water Quality - Sediment Reduction, Water Quantity, Wildlife Habitat Improvement
	Wallowa SWCD	pond water development(s) - 3	OWHP 80.8%, Private Ind/Bus 19.2%	Photo Reference Points
<u>1037</u>	Dan Duncan Cross-Fencing/Livestock Watering	Crossfencing, livestock water development, riparian planting [1995]	Middle & South Fork Whiskey Creek - upper watersheds	Riparian Condition, Upland Habitat Improvement, Water Quality - Sediment Reduction, Wildlife Habitat Improvement
	NRCS Wallowa Co	riparian planting, 1.5 stream mi tr, 1 rip ac tr; spring water development(s) - 1 ; well water development(s) - 1 ; upland cross fence - 5.54 mi, 4 stream mi ben, 2200 upl ac ben	OWHP 70.3%, Private Ind/Bus 25.7%, FSA 4%	Photo Reference Points
<u>1038</u>	Dunham Riparian/Cross-Fencing/Livestock Watering	Riparian enclosure fence, cross-fencing, livestock water development [1995]	Middle & South Fork Whiskey Creek & Trout Creek, upper watersheds	Riparian Condition, Upland Habitat Improvement, Water Quality - Sediment Reduction
	NRCS Wallowa Co	well water development(s) - 1 ; riparian exclusion fence - 0.31 mi, 0.31 stream mi tr, 40 rip ac tr; upland cross fence - 0.53 mi, 0.25 stream mi ben, 300 upl ac ben	OWHP 54.6%, FSA 28.6%, Private Ind/Bus 16.8%	Photo Reference Points
<u>1041</u>	Bear Creek Fencing & Water Development - Goebel/Mahon	Riparian enclosure fencing [1995]	Bear Creek, rm 3-5	Streambank Stability, Water Quality - Chemical, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	Wallowa SWCD	riparian exclusion fence - 1.5 mi, 1 stream mi tr, 7 rip ac tr	OWHP 97.9%, Private Ind/Bus 2.1%	Photo Reference Points
<u>1042</u>	Lostine Riparian Fencing - Jones	Riparian enclosure fencing [1995]	Lostine River, rm 6.5-7	Streambank Stability, Water Quality - Chemical, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	Wallowa SWCD	riparian exclusion fence - 1 mi, 0.5 stream mi tr, 6 rip ac tr	Private Ind/Bus 57%, OWHP 43%	Photo Reference Points
<u>1043</u>	Easom Water Quality	Ditch enclosure fencing [1996]	Womack ditch and 2 other ditches off of Bear Creek	Water Quality - Chemical, Water Quality - Sediment Reduction
	Wallowa SWCD	ditch exclusion fence - 1.6 mi, 2.5 rip ac tr	OWHP 69.1%, Private Ind/Bus 30.9%	Photo Reference Points

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Salmonid Population Area

Selected for Projects with a Primary Year of Work greater than or equal to 1994

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<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>	
Wallowa River Steelhead				
Subarea: Wallowa/Lostine River Chinook				
<u>1044</u>	Water Canyon Road & Stream Rehabilitation	Modify road, revegetate riparian zone and hill/road slope, install bridge, control noxious weeds [1997]	Water Canyon from confluence with Wallowa R to rm 5	Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Wildlife Habitat Improvement
	OWHP	noxious weed control, 2.25 stream mi tr, 13 rip ac tr; riparian planting, 1 stream mi tr, 6 rip ac tr; road(s) improved - 5 mi; stream crossing structure(s) - 2	Private Ind/Bus 64.8%, OWHP 35.2%	Photo Reference Points
<u>1046</u>	Goebel Canyon Road Project - I	Install culverts on draw-bottom road [1995]	Goebel Canyon	Water Quality - Sediment Reduction
	Wallowa SWCD	road(s) improved - 1.25 mi	OWHP 82.4%, Private Ind/Bus 17.6%	Photo Reference Points
<u>1047</u>	Bear & Little Bear Creek Riparian Fencing & Stock Pond Development - RY	Riparian pasture and enclosure fencing, livestock water development [1996]	Bear & Little Bear Creek	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	Wallowa SWCD	spring water development(s) - 1 ; riparian exclusion fence - 2.5 mi, 2.5 stream mi tr, 30 rip ac tr; riparian/upland cross fence - 3.78 mi, 2.5 stream mi ben, 100 rip/upl ac ben	OWHP 75.8%, RY Timber Inc 24.2%	Photo Reference Points
<u>1050</u>	OSU/BCC Grazing System Development & Habitat Improvement	Stabilize & improve roads, livestock water developments, riparian pasture fencing, cross fencing, riparian & meadow planting, develop & demonstrate DSS model. [1995]	Howard Creek/Grossman Creek and Minam River/Wallowa River subwatersheds, Little Catherine Creek	Riparian Condition, Water Quality - Sediment Reduction
	Boise Cascade	wet meadow seeding, 45 rip/upl ac tr; road(s) improved - 35 mi; pond water development(s) - 64 ; spring water development(s) - 13 ; upland cross fence - 22.5 mi, 11 stream mi ben, 21760 upl ac ben	OWHP 51.2%, Boise Cascade 46.9%, EOARC 1.9%	Photo Reference Points, Vegetation Measures
<u>1051</u>	Lower Valley Consolidated Diversion Structure	Consolidate diversion structures into 1 improved structure [1995]	Wallowa River, rm 22.5	Fish Passage, Water Quality - Sediment Reduction
	Wallowa SWCD	irrigation diversion(s) - 1	OWHP 43.9%, BPA 27.9%, USBR 13.1%, FSA 7.6%, Lw Val Improvement Dist 7.6%	Photo Reference Points, Water Quantity Testing
<u>1052</u>	Clearwater Ditch Diversion Structure	Construct permanent diversion structure [1995]	Lostine River, rm 3.5	Fish Passage, Spawning Habitat Protection
	NRCS Wallowa Co	irrigation diversion(s) - 1	OWHP 43.4%, BPA 40.8%, Clearwater Ditch Co 14.4%, USBR 1.3%	Photo Reference Points, Water Quantity Testing

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	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Wallowa River Steelhead				
Subarea: Wallowa/Lostine River Chinook				
<u>1054</u>	Krieger Lostine River	Improve diversion & place boulders, riparian enclosure fencing & planting, expand & improve off-channel wetland/smolt winter habitat [1996]	Lostine River, rm 10.5-11.5	Fish Passage, Instream Habitat Diversity, Riparian Condition, Spawning Habitat Protection, Streambank Stability, Water Quality - Sediment Reduction, Wildlife Habitat Improvement
	ODFW	rock structure(s) - 1 , 0.01 stream mi tr; irrigation diversion(s) modified - 1 ; place large woody material in side channel(s)/pool(s), 0.01 stream mi tr; misc. modifications to side channel(s)/pool(s), 0.01 stream mi tr, 3 rip ac tr; riparian planting, 1.01 stream mi tr, 15 rip ac tr; riparian exclusion fence - 2.25 mi, 1.01 stream mi tr, 28 rip ac tr	USFWS 31.1%, Private Ind/Bus 22.7%, NWPPC 15.5%, OWHP 15.5%, ODFW 15.1%	Fish Population, Photo Reference Points
<u>1063</u>	Wade Ranch Livestock Watering	Livestock water development and crossfencing [1997]	Wallowa River and Wade Gulch, near town of Lostine	Water Quality - Sediment Reduction, Wildlife Habitat Improvement
	NRCS Wallowa Co	water development(s) with ditch or stream as source - 1 ; upland cross fence - 5 mi, 2 stream mi ben, 1500 upl ac ben	OWHP 74.8%, Private Ind/Bus 16.9%, FSA 8.3%	Photo Reference Points
<u>1064</u>	Bear Creek Fencing & Water Development - Mahanna	Riparian enclosure fencing and tree planting, ditch enclosure fencing [1995]	Bear Creek, rm 1.5	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	Wallowa SWCD	riparian planting, 0.75 stream mi tr, 4.5 rip ac tr; ditch exclusion fence - 0.81 mi, 2 rip ac tr; riparian exclusion fence - 0.73 mi, 0.75 stream mi tr, 9 rip ac tr	OWHP 62.2%, Private Ind/Bus 37.8%	Photo Reference Points
<u>1068</u>	Forest Health Improvement - Wycoff	Non-commercial thinning [1995]	Upper Dry Creek Watershed, ~6mi N of town of Wallowa, near Reagin Gulch	Water Quality - Sediment Reduction, Water Quantity
	Wallowa SWCD	thinning, 50 upl ac tr	OWHP 73.3%, Private Ind/Bus 26.7%	Photo Reference Points, Vegetation Measures
<u>1072</u>	Sheep Ridge Ditch Fencing - Moholt	Ditch exclusion fencing & planting [1995]	Lostine River watershed, Sheep Ridge Ditch	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	NRCS Wallowa Co	riparian planting, 2 rip ac tr; ditch exclusion fence - 0.6 mi, 5 rip ac tr	OWHP 79.8%, Private Ind/Bus 20.2%	Photo Reference Points

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	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Wallowa River Steelhead				
Subarea: Wallowa/Lostine River Chinook				
<u>1073</u>	North Fork Whiskey Creek Riparian Fencing - Shell	Riparian enclosure fencing & planting, road improvements [1995]	North Fork Whiskey Creek	Fish Passage, Instream Habitat Diversity, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	Wallowa SWCD	riparian planting, 0.5 stream mi tr, 3 rip ac tr; road(s) improved - 1.3 mi; stream crossing structure(s) - 1 ; riparian/upland exclusion fence - 0.44 mi, 1 stream mi tr, 200 rip/upl ac tr	OWHP 73%, Private Ind/Bus 27%	Photo Reference Points
<u>1080</u>	Millar-Wolfe Pond	Dredge, fence & plant seepage channel and pond, livestock water development [1997]	Wetland area below Clearwater Ditch, flows into Wallowa River just below confluence with Lostine R	Water Quality - Chemical, Water Quality - Sediment Reduction, Wildlife Habitat Improvement
	OWHP	wetland planting, 0.5 rip ac tr; pond water development(s) - 1 ; wetland enclosure fence - 0.5 mi, 0.5 rip ac tr	OWHP 84.8%, Private Ind/Bus 15.2%	Photo Reference Points
<u>1084</u>	Bear Creek Channel Improvement	Instream rock weirs, fish habitat enhancement study [1996]	Bear Creek, lower 3.5 mi, below USGS gauge 13330500	Fish Passage, Instream Habitat Diversity
	NRCS Wallowa Co	rock structure(s) - 66 , 3.5 stream mi tr	OWHP 51.9%, BPA 43.8%, USBR 4.4%	Photo Reference Points
<u>1090</u>	Oveson Ranch Demo Project Phase I Dry Creek/Phase II Lower Valley Ditch	Riparian exclusion fence, riparian pasture fence, streambank planting & structure placement, livestock water development, pond fencing, irrigation improvements, ditch exclusion fencing, interpretive site [1995]	Dry Creek & Lower Valley Ditch	Riparian Condition, Streambank Stability, Water Quality - Chemical, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity, Wildlife Habitat Improvement
	OWHP	streambank log structure(s) - 6 , 1.25 stream mi tr; streambank planting, 1.25 stream mi tr, 3 rip ac tr; riparian planting, 2.25 rip ac tr; modify irrigation methods, 72 upl ac ben; well water development(s) - 1 ; water development(s) with ditch or stream as source - 1 ; ditch exclusion fence - 0.25 mi; pond exclusion fence - 1.5 mi, 2.25 rip ac tr; riparian cross fence; riparian exclusion fence - 2.5 mi, 1.25 stream mi tr, 15 rip ac tr	OWHP 35.7%, Private Ind/Bus 30.5%, FSA 14.6%, USBR 10%, GWEB 7.9%, ODFW 1.4%	Vegetation Measures, Water Quality Testing, Water Quantity Testing

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area

Selected for Projects with a Primary Year of Work greater than or equal to 1994

<small>GRMWP²</small> <u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>	
<small>ID</small>	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Area</u>	<u>Funding Source - % of Funding</u>	
<u>Monitoring</u>				
Wallowa River Steelhead				
Subarea: Wallowa/Lostine River Chinook				
1098	Prairie Creek Watershed Enhancement	Riparian planting, instream structures, hedgerow planting. [1995]	Hays fork of Prairie Creek on Eggleston Corner	Instream Habitat Diversity, Streambank Stability, Upland Habitat Improvement, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity, Wildlife Habitat Improvement
	Wallowa SWCD	log structure(s), 0.57 stream mi tr; riparian planting, 1.25 stream mi tr, 7.5 rip ac tr; misc. upland treatment(s), 1 stream mi ben, 4 upl ac tr	GWEB 54%, ODFW 25.8%, Private Ind/Bus 20.2%	Photo Reference Points, Water Quality Testing
1101	Dry Creek Stockwater	Crossfencing and livestock water development [1996]	Confluence Dry Creek & Tamarack Canyon Creek	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	Wallowa SWCD	well water development(s) - 1 ; riparian/upland cross fence - 0.88 mi, 1 stream mi ben, 720 rip/upl ac ben	FSA 35.7%, GWEB 34.7%, Private Ind/Bus 29.5%	Photo Reference Points, Water Quality Testing
1105	Yost's Prairie Creek	Riparian enclosure fence & planting, streambank riprap [1994]	Prairie Creek, east of Enterprise	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	NRCS Wallowa Co	streambank rock treatment, 0.02 stream mi tr; riparian planting, 0.19 stream mi tr, 1.25 rip ac tr; riparian exclusion fence - 0.35 mi, 0.19 stream mi tr, 2.5 rip ac tr	GWEB 60.3%, Private Ind/Bus 30.2%, NRCS Wallowa Co 9.5%	Photo Reference Points, Water Quality Testing
1106	Grossman Creek Improvement	Intensified livestock grazing management program, fencing of internal & external structure of grazing allotment pastures, livestock water development improvements [1995]	Grossman & East Grossman Creeks, Deep Creek, Clear Creek, Howard Creek	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity
	Boise Cascade	pond water development(s) - 35 ; spring water development(s) - 9 ; upland cross fence - 20.2 mi, 34 stream mi ben, 32000 upl ac ben	Boise Cascade 51.6%, GWEB 48.4%	Fish Population, In Channel Habitat, Photo Reference Points, Vegetation Measures, Water Quality Testing
1108	Clearwater Ditch Improvement (GWEB)	Relocate feedlot, livestock water developments, ditch enclosure fencing [1995]	Spring Branch flowing into Clearwater Ditch	Streambank Stability, Water Quality - Chemical, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	Wallowa SWCD	relocate feedlot - 1 ; improve feedlot - 1 ; spring water development(s) - 1 ; well water development(s) - 1 ; ditch exclusion fence - 0.48 mi	Private Ind/Bus 47.3%, GWEB 23.1%, FSA 15.9%, USBR 13.7%	Photo Reference Points, Water Quality Testing

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area

Selected for Projects with a Primary Year of Work greater than or equal to 1994

<small>GRMWP</small> ² <u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>
<small>ID</small>	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>
<u>Monitoring</u>			
Wallowa River Steelhead			
Subarea: Wallowa/Lostine River Chinook			
<u>1109</u>	Minam/Mt. Harris Road Improvement	Road drainage structures, rocking & road closures [1996]	Minam and Mt. Harris Management Units (BCC)
	Boise Cascade	road(s) closed - 0.5 mi; road(s) improved - 5.5 mi	BPA 66.7%, Boise Cascade 33.3%
			Water Quality - Sediment Reduction Annual Site Inspection
<u>1144</u>	Lostine Wild & Scenic River Restoration	Campground improvements, recreation livestock watering development, limit vehicle & livestock access [1996]	Lostine River Campground
	Eagle Cap RD	improve campground(s)/park	Eagle Cap RD 62.2%, BPA 37.8%
			Education, Riparian Condition Photo Reference Points
<u>1165</u>	Ron Goebel Livestock Watering System	Well livestock water development & cross fencing [1996]	Bear Creek, 3.5 mi above confluence with Wallowa R
	NRCS Wallowa Co	well water development(s) - 1 ; upland cross fence - 0.35 mi, 0.5 stream mi ben, 320 upl ac ben	BPA 46.7%, Private Ind/Bus 41.3%, FSA 12.1%
			Water Quality - Sediment Reduction Photo Reference Points
<u>1168</u>	Rocking Eleven Livestock Watering System	Livestock water development & crossfencing [1998]	Leap area of Wallowa Co, affects tributaries to Parsnip Crk & Wallowa River
	NRCS Wallowa Co	well water development(s) - 1 ; upland cross fence - 2.75 mi, 2.5 stream mi ben, 1000 upl ac ben	BPA 58.7%, Private Ind/Bus 31.4%, FSA 9.9%
			Water Quality - Sediment Reduction, Wildlife Habitat Improvement Photo Reference Points
<u>1169</u>	Lower Leap Riparian & Rangeland Improvement	Crossfencing, livestock water development, pond fencing [1999]	Trout Creek
	NRCS Wallowa Co	riparian planting, 0.66 stream mi tr, 4 rip ac tr; well water development(s) - 1 ; pond exclusion fence - 0.76 mi, 6 rip ac tr; upland cross fence - 0.75 mi, 3.5 stream mi ben, 4700 upl ac ben	Private Ind/Bus 37.6%, BPA 26.4%, FSA 17.3%, GWEB 14.5%, USBR 4.1%
			Riparian Condition, Streambank Stability, Water Quality - Chemical, Water Quality - Sediment Reduction, Wildlife Habitat Improvement Photo Reference Points
<u>1170</u>	Goebel Canyon Road Project - II	Wooden box culverts [1996]	Goebel Canyon
	Wallowa SWCD	road(s) improved - 1.25 mi	Private Ind/Bus 57.1%, BPA 42.9%
			Water Quality - Sediment Reduction Annual Site Inspection
<u>1171</u>	Bear Creek Road Surfacing	Road resurfaced with rock [1996]	Bear Creek
	Wallowa Co PW	road(s) improved - 3.7 mi	Wallowa Co PW 73.5%, BPA 26.5%
			Water Quality - Sediment Reduction Annual Site Inspection

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
GRMWP ² ID	Project Name	Project Description and [Primary Year of Work]	Location	Objectives
	Lead Organization(s)	On the Ground Tasks for Population Area	Funding Source - % of Funding	Monitoring
Wallowa River Steelhead				
Subarea: Wallowa/Lostine River Chinook				
<u>1179</u>	Upper Whiskey & Tope Creek Sediment Reduction & Riparian Enhancement	Resurface road, replace bridge with culvert/ford, obliterate road, riparian enclosure fencing, livestock water developments [1997]	Headwaters of Tope & Whiskey Crk	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	GWEB, Wallowa SWCD	road(s) improved - 1.5 mi; stream crossing structure(s) - 1 ; spring water development(s) - 5 ; riparian exclusion fence - 0.5 mi	BPA 50.9%, Private Ind/Bus 22.6%, GWEB 22.1%, ODFW 4.4%	Photo Reference Points
<u>1182</u>	Whiskey Creek Sediment Reduction and Riparian Improvement - Lathrop	Livestock water development & riparian enclosure fence [1996]	Middle Fork Whiskey Creek, rm 9	Instream Habitat Diversity, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	NRCS Wallowa Co	spring water development(s) - 1 ; riparian exclusion fence - 0.19 mi, 0.09 stream mi tr, 1 rip ac tr	GWEB 41.1%, Private Ind/Bus 32.4%, FSA 26.5%	Photo Reference Points
<u>1184</u>	Upper Dry Creek Road Rehabilitation & Riparian Restoration - Sines	Road closure, riparian enclosure fencing & planting, in-stream rock/wood structures [1999]	Dry Creek, rm 8-9	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	GWEB	rock structure(s) - 17 , 1 stream mi tr; riparian planting, 0.6 stream mi tr, 3.5 rip ac tr; road(s) closed - 1.6 mi; riparian exclusion fence - 2.3 mi, 1.16 stream mi tr, 14 rip ac tr	GWEB 36.9%, Private Ind/Bus 33.8%, ODFW 29.3%	Photo Reference Points
1213	Prairie Creek Livestock Water & Fence - NRCS/Buhler	Livestock water development & crossfencing [1996]	Prairie Creek	Riparian Condition, Water Quality - Chemical, Water Quality - Sediment Reduction
	NRCS Wallowa Co	well water development(s) - 1 ; upland cross fence - 0.5 mi, 1 stream mi ben, 320 upl ac ben	FSA 75%, Buhler Ranch 25%	
1226	Prairie Creek Fence - NRCS/Perry	Riparian exclusion fence [1994]	Prairie Creek	Riparian Condition, Water Quality - Chemical
	NRCS Wallowa Co	riparian exclusion fence - 0.09 mi, 0.09 stream mi tr, 1 rip ac tr	Private Ind/Bus 66.2%, FSA 33.8%	
<u>1268</u>	Krebs Streambank Protection	Streambank riprapp [1997]	Wallowa River, ~0.5mi below confluence with Lostine R	Streambank Stability, Water Quality - Sediment Reduction
	NRCS Wallowa Co	streambank rock treatment, 0.03 stream mi tr	OWHP 55.4%, Private Ind/Bus 28%, FSA 16.6%	Photo Reference Points

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area

Selected for Projects with a Primary Year of Work greater than or equal to 1994

<u>GRMWP ID</u> ² <u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>
<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Wallowa River Steelhead			
Subarea: Wallowa/Lostine River Chinook			
<u>1269</u> Baker Streambank Protection	Riparian exclosure fence & planting, streambank rock barbs [1998]	Wallowa River, ~rm 21 below town of Wallowa	Streambank Stability, Water Quality - Sediment Reduction
NRCS Wallowa Co	streambank rock structure(s) - 5 , 0.15 stream mi tr; streambank planting, 0.19 stream mi tr, 1 rip ac tr; riparian exclusion fence - 0.32 mi, 0.32 stream mi tr, 3 rip ac tr	BPA 80.2%, Private Ind/Bus 19.8%	Photo Reference Points
<u>1287</u> Tulley-Hill Diversion Structure	Permanent diversion dam with fish ladder/weir [1996]	Lostine R ~rm 1.7	Fish Passage, Streambank Stability, Water Quality - Sediment Reduction
USBR	irrigation diversion(s) - 1	USBR 50.5%, BPA 33.7%, Private Ind/Bus 8.3%, ODFW 7.5%	
<u>1299</u> Prairie Creek Streambank Protection	Riparian pasture fence, streambank juniper riprap, rock barbs [1999]	Prairie Creek, ~ 2.5mi above confluence w/Wallowa R	Riparian Condition, Streambank Stability, Water Quality - Sediment Reduction
NRCS Wallowa Co	streambank rock structure(s) - 2 , 0.01 stream mi tr; log/rootwad streambank treatment(s), 0.07 stream mi tr; riparian cross fence - 0.41 mi, 0.22 stream mi ben, 2 rip ac ben	BPA 77.1%, Private Ind/Bus 22.9%	Photo Reference Points
1307 Wallowa River Corridor Fence - ODFW/McCrae	Riparian exclosure fence [1995]	Wallowa R, ~ rm 23.5	Riparian Condition
ODFW	riparian exclusion fence - 0.5 mi, 0.5 stream mi tr, 10 rip ac tr		
<u>1334</u> Bear Creek Channel Improvement	Continuation of project initiated in 1994/95, additional funding for increased costs of weirs and additional area treated [1997]	Bear Crk, lower 3.5 miles	Fish Passage, Instream Habitat Diversity, Streambank Stability
NRCS Wallowa Co	rock structure(s) - 10 , 3.5 stream mi tr	BPA 100%	Photo Reference Points
<u>1337</u> Ed Jones Streambank Protection	Streambank rock/vegetative rip rap, rock barbs, jetties, riparian exclusion fence with 15 year lease, side channel excavation [1997]	Hurricane Crk	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction
NRCS Wallowa Co, ODFW	construction of side channel(s)/pool(s), 0.06 stream mi tr; streambank rock treatment, 0.04 stream mi tr; streambank rock structure(s) - 6 , 0.04 stream mi tr; streambank planting, 0.04 stream mi tr; log/rootwad streambank treatment(s), 0.04 stream mi tr; riparian planting; riparian exclusion fence - 1.3 mi, 0.83 stream mi tr, 10 rip ac tr	BPA 62.3%, ODFW 37.7%	Photo Reference Points

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
GRMWP ² ID	Project Name	Project Description and [Primary Year of Work]	Location	Objectives
	Lead Organization(s)	On the Ground Tasks for Population Are	Funding Source - % of Funding	Monitoring
Wallowa River Steelhead				
Subarea: Wallowa/Lostine River Chinook				
<u>1338</u>	Eggleston Estate Riparian Improvement Project	Streambank plantings [1997]	Prairie Crk at Eggleston Corner and downstream near Enterprise	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	NRCS Wallowa Co	streambank planting, 0.45 stream mi tr	BPA 67%, Enterprise Rotary Club 24%, Wallowa SWCD 9%	Photo Reference Points
<u>1339</u>	Miles Ditch Diversion	Permanent diversion structure [1997]	Lostine River near Cross Country Canal confluence	Fish Passage, Water Quantity
	NRCS Wallowa Co	irrigation diversion(s) - 1	BPA 52%, USBR 41.1%, Miles Ditch Co 7%	Photo Reference Points, Water Quantity Testing
<u>1340</u>	Poley Allen Ditch	Permanent diversion structure [1997]	Lostine River near South Fork Ready Mix Plant	Fish Passage, Water Quantity
	NRCS Wallowa Co	irrigation diversion(s) - 1	BPA 52.6%, USBR 40.8%, Poley Allen Ditch Co 6.6%	Water Quantity Testing
<u>1341</u>	R-Y Timber Range Management System	Livestock water developments, boundary & cross fencing, road improvements & cattleguards [2000]	Bear Creek & Little Bear Creek	Riparian Condition, Upland Habitat Improvement, Water Quality - Sediment Reduction
	NRCS Wallowa Co	road(s) improved - 1.5 mi; spring water development(s) - 17 ; upland cross fence - 24 mi, 7 stream mi ben, 11000 upl ac ben	RY Timber Inc 52.5%, BPA 37.6%, NRCS Wallowa Co 10%	Photo Reference Points, Vegetation Measures
1354	North Fork Whiskey Creek Riparian Enhancement Watershed Enhancement Project	Riparian enclosure fence, riparian planting, road improvements [1998]	North Fork Whiskey Creek	Riparian Condition, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	Wallowa SWCD	riparian planting, 0.5 stream mi tr, 3 rip ac tr; misc. riparian enhancement(s); road(s) improved - 2.62 mi; riparian exclusion fence - 0.75 mi, 0.75 stream mi tr, 9 rip ac tr	GWEB 49.6%, Private Ind/Bus 43.2%, ODFW 7.1%	Photo Reference Points
1359	Prairie Creek Riparian Fence & Planting - ODFW/Tillman	Riparian enclosure fence and planting [1997]	Prairie Creek	Riparian Condition, Streambank Stability, Water Quality - Sediment Reduction
	ODFW	riparian planting, 0.11 stream mi tr, 0.75 rip ac tr; riparian exclusion fence - 0.22 mi, 0.11 stream mi tr, 1.5 rip ac tr	ODFW 50%, Private Ind/Bus 50%	Vegetation Measures

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<u>GRMWP ID</u> ² <u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>	
<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>	
Wallowa River Steelhead				
Subarea: Wallowa/Lostine River Chinook				
1360	Lostine River Riparian Fence (ODFW) & Feedlot/Irrigation Improvements (NRCS/BOR) - Johnston	Riparian enclosure fence, conversion to gated pipe, feedlot improvements [1997]	Lostine River	Riparian Condition, Streambank Stability, Water Quality - Chemical, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity
	NRCS Wallowa Co, ODFW	modify irrigation methods, 0.5 stream mi ben; improve feedlot, 12 rip ac tr; spring water development(s) - 1 ; riparian exclusion fence - 0.25 mi, 0.25 stream mi tr, 1.5 rip ac tr	FSA 60.2%, Private Ind/Bus 29.9%, USBR 8.2%, ODFW 1.6%	Fish Population, Vegetation Measures
<u>1382</u>	McArto/Wallowa River Riparian Improvement Project	Riparian enclosure fence & plantings, livestock water development [1999]	Wallowa River, 2.5 mi. SE of Lostine	Riparian Condition, Streambank Stability
	NRCS Wallowa Co	riparian planting, 0.45 stream mi tr, 1.35 rip ac tr; well water development(s) - 1 ; riparian exclusion fence - 0.45 mi, 0.45 stream mi tr, 2.7 rip ac tr	GWEB 61%, Private Ind/Bus 39%	Photo Reference Points
1399	Dry Creek Sediment Reduction & Road Rehabilitation	Reconstruct road, and realign draw-bottom portion of road. [1999]	Dry Creek & tributary & Reagin Gulch	Spawning Habitat Protection, Water Quality - Sediment Reduction
	Wallowa SWCD	road(s) improved - 2 mi	GWEB 52%, Private Ind/Bus 48%	
1402	Alder Slope Ditch - Wetland Fencing - NRCS	Wetland exclusion fence [1996]	Alder Slope Ditch	Streambank Stability, Water Quality - Chemical, Water Quality - Sediment Reduction
	NRCS Wallowa Co	wetland enclosure fence - 0.36 mi, 26 rip ac tr	Stangel Ranch 62.2%, FSA 37.8%	
1403	Prairie Creek Diversion Structure - NRCS	Irrigation diversion structure [1997]	Prairie Creek	Fish Passage, Streambank Stability, Water Quality - Sediment Reduction
	NRCS Wallowa Co	irrigation diversion(s) - 1	Private Ind/Bus 50%, FSA 50%	
1405	Trout Creek Riparian Fence & Livestock Water Development - NRCS	Riparian enclosure fence & livestock water development [1994]	Trout Creek	Streambank Stability, Water Quality - Sediment Reduction
	NRCS Wallowa Co	well water development(s) - 1 ; riparian exclusion fence - 0.25 mi, 0.25 stream mi tr, 10 rip ac tr	Private Ind/Bus 62.9%, FSA 37.1%	
<u>1409</u>	Whiskey Creek Road	Road improvements, improve drainage. [1999]	North Fork Whiskey Creek	Spawning Habitat Protection, Water Quality - Sediment Reduction
	Wallowa Co PW	road(s) improved - 2.3 mi; stream crossing structure(s) - 1	GWEB 63.4%, Wallowa Co PW 32.6%, NPT 4%	Photo Reference Points

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<small>GRMWP</small> ² <u>Project Name</u> <small>ID</small>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>	
<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>	
Wallowa River Steelhead				
Subarea: Wallowa/Lostine River Chinook				
<u>1416</u>	Lostine River/Bill Norman Riparian Area Enhancement	Riparian enclosure fence, streambank rock barbs and root wads. [1999]	Lostine River, ~ 2mi south of Lostine	Riparian Condition, Streambank Stability
	NRCS Wallowa Co	streambank log structure(s) - 4 , 0.05 stream mi tr; streambank rock structure(s) - 4 , 0.05 stream mi tr; riparian exclusion fence - 0.44 mi, 0.44 stream mi tr, 5 rip ac tr	GWEB 82.9%, Private Ind/Bus 17.1%	Photo Reference Points
<u>1417</u>	Trout Creek Riparian Improvement Project, Terry Jones Property	Riparian enclosure fence and plantings, instream rock check structures, livestock water development, removal of refuse from stream. [2001]	Trout Creek ~ 4mi north of Enterprise	Riparian Condition, Streambank Stability, Water Quality - Sediment Reduction
	NRCS Wallowa Co	rock structure(s) - 6 , 0.5 stream mi tr; riparian planting, 1 stream mi tr, 6 rip ac tr; well water development(s) - 1 ; riparian exclusion fence - 2.06 mi, 1 stream mi tr, 12 rip ac tr; remove refuse	GWEB 44.3%, Private Ind/Bus 31.5%, USFWS 24.2%	Photo Reference Points, Vegetation Measures
<u>1430</u>	Deer Creek Large Woody Debris Placement & Planting - USFS	Instream placement of large woody debris and riparian plantings [1998]	Deer Creek	Streambank Stability
	Wallowa Valley RD	placement of boulders, 0.25 stream mi tr; placement of large woody material, 0.25 stream mi tr; riparian planting, 0.25 stream mi tr, 2 rip ac tr	Wallowa Valley RD 100%	
<u>1435</u>	Eagle Cap Wilderness Trail & Campsite Restoration - USFS	Restore/revegetate habitat at abandoned trails and closed campsites [1998]	Abandoned trails and closed campsites in the Lakes basin area of the Eagle Cap Wilderness, including Mirror, Moccasin, Douglas, Horseshoe, & Sunshine Lakes and trails to Hurricane Creek & Glacier Lake.	Education, Riparian Condition, Water Quality - Sediment Reduction
	Eagle Cap RD	riparian planting, 5 rip ac tr; misc. riparian enhancement(s), 5 rip ac tr; obliterate campground(s)/park - 18 ; improve trails - 3.75 mi	Eagle Cap RD 66.7%, Volunteers 33.3%	

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Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
<u>GRMWP² ID</u>	<u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>
	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Wallowa River Steelhead				
Subarea: Wallowa/Lostine River Chinook				
1441	Wallowa River ODFW/BPA Fish Habitat & NRCS/FSA Irrigation Improvements - Wiseman	Riparian enclosure fence & plantings, large woody debris placement, livestock water development, conversion to gated pipe irrigation [1998]	Wallowa River, just SE of Wallowa	Instream Habitat Diversity, Streambank Stability, Water Quality - Chemical, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity
	NRCS Wallowa Co, ODFW	placement of large woody material, 0.6 stream mi tr; log/rootwad streambank treatment(s), 0.03 stream mi tr; riparian planting, 0.6 stream mi tr, 1.75 rip ac tr; modify irrigation methods, 0.6 stream mi ben; water development(s) with ditch or stream as source - 1 ; riparian exclusion fence - 0.6 mi, 0.6 stream mi tr, 3.5 rip ac tr	BPA 45.5%, FSA 40.8%, Private Ind/Bus 13.6%	Photo Reference Points
1442	Wallowa River ODFW/BPA Fish Habitat - Cox/McCrae/Johnson/Burrows	Riparian enclosure fence, large woody debris placement, livestock water development [1998]	Wallowa River, just SE of Wallowa	Instream Habitat Diversity, Streambank Stability, Water Quality - Chemical, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	ODFW	placement of large woody material, 0.33 stream mi tr; spring water development(s) - 1 ; riparian exclusion fence - 0.79 mi, 0.79 stream mi tr, 5 rip ac tr	BPA 91.9%, Private Ind/Bus 8.1%	Photo Reference Points
1443	Hurricane Creek ODFW/BPA Fish Habitat - Irby	Riparian enclosure fence & planting [1998]	Hurricane Creek	Instream Habitat Diversity, Streambank Stability, Water Quality - Chemical, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	ODFW	riparian planting, 0.63 stream mi tr, 10 rip ac tr; riparian exclusion fence - 0.63 mi, 0.67 stream mi tr, 23 rip ac tr	BPA 100%	Photo Reference Points
1446	Clearwater Ditch Fencing - NRCS/Makens	Ditch livestock enclosure fencing [1998]	Spring Branch Clearwater Ditch	Water Quality - Chemical, Water Quality - Sediment Reduction
	NRCS Wallowa Co	ditch exclusion fence - 0.25 mi	Private Ind/Bus 51.1%, FSA 48.9%	
1447	Westside Ditch Lining/Fence & Livestock Water - NRCS/BOR/Rocking Eleven	Ditch lining & livestock enclosure fence, livestock water development [1998]	Westside Ditch	Water Quality - Chemical, Water Quality - Sediment Reduction, Water Quantity
	NRCS Wallowa Co, USBR	ditch/canal work, 0.08 mi; spring water development(s) - 1 ; ditch exclusion fence - 0.25 mi	USBR 69.5%, Private Ind/Bus 18.8%, FSA 11.7%	

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<u>GRMWP ID</u> ²	<u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>
	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Area</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Wallowa River Steelhead				
Subarea: Wallowa/Lostine River Chinook				
1448	Lostine River Livestock Water & Irrigation Improvements - NRCS/Jones	Install well, pipe to troughs, convert from flood to sprinkler irrigation. [1998]	Lostine River	Streambank Stability, Water Quality - Chemical, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity
	NRCS Wallowa Co	modify irrigation methods, 60.8 upl ac ben; well water development(s) - 1	FSA 75%, Jones Farm 25%	
1449	Lower Valley Ditch Crossing - BOR	Road crossing construction to permit connection of ditches at consolidated diversion structure [1995]	Wallowa River, rm 22.5	Fish Passage, Water Quality - Sediment Reduction
	USBR	stream crossing structure(s) - 1	USBR 100%	
1450	Clearwater Ditch Lining - BOR/Clearwater Ditch Co.	Ditch lining [1997]	Clearwater Ditch	Water Quantity
	USBR	ditch/canal work, 0.08 mi	USBR 63.5%, Clearwater Ditch Co 36.5%	
1451	Lostine River Irrigation Improvements - BOR/Willett	Install gated pipe irrigation from Clearwater Ditch to replace diversion from Lostine River [1997]	Clearwater Ditch	Water Quality - Sediment Reduction, Water Quantity
	USBR	modify irrigation methods	FSA 44.9%, USBR 36.7%, Willet Ranch 18.4%	
1452	Wallowa River Irrigation Improvements - BOR/Wolfe	Convert from flood to gated pipe irrigation [1998]	Wallowa River	Water Quantity
	USBR	modify irrigation methods	Private Ind/Bus 50%, USBR 50%	
1453	Wallowa River Irrigation Improvements - BOR/lmsland	Install gated pipe irrigation system [1998]	Wallowa River	Water Quantity
	USBR	modify irrigation methods	Private Ind/Bus 50%, USBR 50%	
1459	RY Timber Road Improvements - 1997-1998	Road construction, reconstruction, & maintenance; rocking, relocating out of drawbottoms, improved drainage. [1998]	Wallowa Co., affecting Mud Creek, Allen Canyon, Reavis Creek, tributaries to Wallowa Lake and Prairie Creek, Little Bear Creek, Alkali Canyon, Buford Creek and Applegate Canyon	Water Quality - Sediment Reduction
	RY Timber Inc	road(s) improved - 8.5 mi	RY Timber Inc 100%	
1469	Rock Creek Sediment Reduction & Road Rehabilitation	Close drawbottom road, construct road to replace closed road, road drainage improvements. [1999]	Tributary to Dry Creek, northwest of Wallowa	Water Quality - Sediment Reduction
	ODF Wallowa Co, Wallowa SWCD	road(s) closed - 0.6 mi; road(s) built - 0.9 mi; road(s) improved - 0.8 mi	Private Ind/Bus 62.9%, GWEB 37.1%	Photo Reference Points

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
<u>GRMWP ID</u> ²	<u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>
	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Wallowa River Steelhead				
Subarea: Wallowa/Lostine River Chinook				
1472	Attebury Irrigation Improvement Project	Convert from flood to sprinkler irrigation. [1999]	Poley Allen Ditch/Lostine River	Water Quality - Sediment Reduction, Water Quantity
	NRCS, Wallowa SWCD	modify irrigation methods, 40 upl ac ben	USBR 42.2%, Private Ind/Bus 34.7%, GWEB 23.2%	Photo Reference Points, Water Quantity Testing
1473	Wallowa Band Nez Perce Trail Interpretive Center Land Improvements - Phase I	Meadow restoration and upland slope stabilization; livestock water developments, settling pond construction, riparian and upland plantings [2000]	Wallowa River, next to City of Wallowa	Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	NRCS, Wallowa Band NP Trl ICC	control erosion; well water development(s) - 1 ; riparian/upland planting, 3 rip/upl ac tr	GWEB 54.4%, Wallowa Band NP Trl ICC 26.7%, CTUIR 15.6%, NRCS 3.3%	Photo Reference Points
1474	Larabee Irrigation Improvement Project	Convert from flood to sprinkler irrigation. [2001]	Westside & Poley Allen Ditches/Lostine River, west of city of Lostine	Water Quality - Sediment Reduction, Water Quantity
	NRCS Wallowa Co	modify irrigation methods, 70 upl ac ben	Private Ind/Bus 42.9%, GWEB 38.6%, FSA 18.4%	Photo Reference Points, Water Quantity Testing
1475	Alpine Meadows Inc./Trout Creek Stream Restoration Project	Streambank stabilization with structures and bioengineering, riparian plantings, improve irrigation diversion, educate and involve students and community in design, implementation and monitoring of project. [2001]	Trout Creek @ Alpine Meadows Golf course, west of city of Enterprise	Education, Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity
	Contractor	rock structure(s) - 7 , 0.75 stream mi tr; misc. channel work, 0.2 stream mi tr; streambank rock structure(s) - 26 , 0.75 stream mi tr; streambank planting, 0.75 stream mi tr; misc. streambank treatment(s), 0.5 stream mi tr; riparian/upland planting, 0.5 stream mi tr, 2 rip/upl ac tr	BPA 56.6%, Wallowa Val Golf Assoc 12.9%, Joseph HS 9.6%, Contractor 6.3%, Misc 4.6%, ODFW 3.4%, Enterprise HS 3.1%, City of Enterprise 1.6%, USFS 1.5%, Wallowa Elem Sch 0.3%	Photo Reference Points
1500	Wallowa County Direct Seeding Demonstration	Demonstrate the application of direct seeding (no-till) cropland in Wallowa County [1999]	Wallowa County, representative crop producing areas	Education, Water Quality - Chemical, Water Quality - Sediment Reduction
	NRCS Wallowa Co	modify agriculture practice(s), 1410 upl ac tr	Private Ind/Bus 49.7%, OWEB 30%, BPA 20.3%	Annual Project Assessment
1517	Whiskey Creek - ODFW/BPA Fish Habitat/Cox	Land/Stream lease, riparian exclosure fence [1999]	Whiskey Creek	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	ODFW	riparian exclusion fence - 0.42 mi, 0.23 stream mi tr, 3.6 rip ac tr	BPA 100%	Photo Reference Points

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
<u>GRMWP ID</u> ²	<u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>
	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Wallowa River Steelhead				
Subarea: Wallowa/Lostine River Chinook				
1520	Wallowa County Healthy Forested Watershed	Precommercial thin overstocked forest stands, plant understocked forest stands, riparian improvements, develop stewardship plans [2000]	Private lands in Wallowa Co.	Streambank Stability, Upland Habitat Improvement, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity
	ODF Wallowa Co	riparian planting, 0.25 stream mi tr, 2 rip ac tr; upland planting, 13 upl ac tr; thinning, 85 upl ac tr	OWEB 47.3%, Private Ind/Bus 44.1%, ODF Wallowa Co 8.5%	Photo Reference Points, Vegetation Measures
1521	Carman Road Rocking	Rock road & improve stream crossing [2000]	Tributary to Reagin Gulch/Dry Creek	Water Quality - Sediment Reduction
	ODF Wallowa Co	road(s) improved - 0.24 mi; stream crossing structure(s) - 1	OWEB 46.7%, Private Ind/Bus 46.5%, ODF Wallowa Co 6.8%	Photo Reference Points
1522	Dry Creek Improvement Max and Jeanie Mallory	Riparian enclosure fence, plant streambank, install rock crossing [2002]	Dry Creek	Streambank Stability, Water Quality - Chemical, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	NRCS Wallowa Co	riparian planting, 0.17 stream mi tr, 0.1 rip ac tr; riparian exclusion fence - 0.33 mi, 0.17 stream mi tr, 2 rip ac tr	OWEB 66%, Private Ind/Bus 34%	Photo Reference Points, Vegetation Measures
1523	Barrett/Murphey Irrigation Improvement Lostine River	Convert flood irrigation to sprinkler, livestock water developments [2001]	Poley Allen ditch/Lostine River	Water Quality - Chemical, Water Quality - Sediment Reduction, Water Quantity
	NRCS Wallowa Co	modify irrigation methods, 40 upl ac ben; water development(s) with ditch or stream as source - 4	Private Ind/Bus 50.3%, NRCS Wallowa Co 27.1%, OWEB 22.6%	Photo Reference Points, Water Quantity Testing
1524	Rock Creek II Sediment Reduction & Road Rehabilitation	Close road, improve drainage on open road, construct road to replace closed road [2000]	Tributary to Dry Creek, northwest of Wallowa	Water Quality - Sediment Reduction
	ODF Wallowa Co	road(s) closed - 0.66 mi; road(s) built - 0.09 mi; road(s) improved - 1.9 mi	OWEB 56.5%, Private Ind/Bus 37.8%, ODF Wallowa Co 4.7%, ODFW 0.9%	Photo Reference Points
1530	Poley Allen Ditch/Wetland Enhancement - NRCS/Larabee	Ditch/wetland enclosure fence & livestock water development [1999]	Poley Allen Ditch/ Lostine River	Riparian Condition, Water Quality - Overall
	NRCS Wallowa Co	spring water development(s) - 1 ; wetland enclosure fence - 0.5 mi, 4 rip ac tr	FSA 75%, Private Ind/Bus 25%	

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area

Selected for Projects with a Primary Year of Work greater than or equal to 1994

<u>GRMWP ID</u> ²	<u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>
<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Area</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>	
Wallowa River Steelhead				
Subarea: Wallowa/Lostine River Chinook				
1531	Lostine River Tributary Enhancement - NRCS/Coleman	Riparian enclosure fence & plantings, livestock water development [1999]	Unnamed trib. to Lostine River	Streambank Stability, Water Quality - Sediment Reduction
	NRCS	riparian planting, 0.15 stream mi tr, 0.5 rip ac tr; spring water development(s) - 1 ; riparian exclusion fence - 0.28 mi, 0.15 stream mi tr, 0.5 rip ac tr	FSA 75%, Private Ind/Bus 25%	
1534	Lostine River Fence - ODFW/Lostine R Ranch	Riparian enclosure fence [1999]	Lostine River	Riparian Condition
	ODFW	riparian exclusion fence - 0.5 mi, 0.5 stream mi tr, 10 rip ac tr	ODFW 58.6%, Lostine River Ranch 41.4%	
<u>1541</u>	Conservation Reserve Enhancement Program Incentive	Install CREP practices (riparian enclosure fencing and planting) and livestock water developments [2001]	Wallowa Co.	Riparian Condition
	NRCS Wallowa Co	riparian planting, 5.26 stream mi tr, 138.8 rip ac tr; CREP, 5.26 stream mi tr, 138.8 rip ac tr; spring water development(s) - 6 ; well water development(s) - 2 ; riparian exclusion fence - 9.98 mi, 5.26 stream mi tr, 138.8 rip ac tr	FSA 48.1%, OWEB 24%, BPA 14.3%, Private Ind/Bus 13.6%	NRCS Compliance Monitoring
1563	Tope & Whiskey Creek Riparian Enhancement Project	Livestock water developments and road improvements [2001]	Tope Creek, Whiskey Creek, Bakke Meadows wetland	Water Quality - Sediment Reduction
	ODF Wallowa Co, Wallowa SWCD	pond water development(s) - 2 ; spring water development(s) - 2	OWEB 55.3%, Private Ind/Bus 33.7%, ODFW 9.3%, ODF Wallowa Co 1.6%	Photo Reference Points
1565	Trout Creek Sediment Reduction & Road Rehabilitation	Road improvements to include road shaping, rocking, rocked dips, remove non-functioning culvert, construct new road to replace abandoned draw-bottom road [2000]	Trout Creek	Water Quality - Sediment Reduction
	ODF Wallowa Co	road(s) closed - 0.41 mi; road(s) built - 0.15 mi; road(s) improved - 1.09 mi	OWEB 50.3%, Private Ind/Bus 46.6%, ODF Wallowa Co 3.2%	Photo Reference Points
1566	Rail Canyon Road Project	Road improvements, road construction to abandon drawbottom road, install culverts. [2000]	Rail Canyon Creek	Water Quality - Sediment Reduction
	ODF Wallowa Co	road(s) closed - 0.4 mi; road(s) built - 0.5 mi; road(s) improved - 3 mi; stream crossing structure(s) - 8	OWEB 61.9%, Private Ind/Bus 35.6%, ODF Wallowa Co 2.5%	Photo Reference Points
1567	Irrigation Improvement Project - NRCS/Schaafsma	Convert from flood to sprinkler irrigation. [2000]	Wallowa Valley Improvement Canal, west of Kinney Lake	Water Quality - Sediment Reduction, Water Quantity
	NRCS Wallowa Co	modify irrigation methods, 40 upl ac ben	FSA 75%, Private Ind/Bus 25%	

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area

Selected for Projects with a Primary Year of Work greater than or equal to 1994

<u>GRMWP ID</u> ²	<u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>
<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>	
Wallowa River Steelhead				
Subarea: Wallowa/Lostine River Chinook				
<u>1568</u>	Reagin Gulch Road Relocation	Road improvement, road shaping, rocking and drainage improvements [2001]	west of Reagin Gulch on Promise Road	Water Quality - Sediment Reduction
	ODF Wallowa Co	road(s) improved - 0.23 mi	OWEB 50.4%, RY Timber Inc 49.6%	Photo Reference Points
1569	Wallowa River Riparian Pasture Fence - Carpenter	Riparian pasture fence [2000]	Wallowa River, west of Enterprise	Riparian Condition
	Private Ind/Bus	riparian cross fence - 1 mi, 1 stream mi ben, 9.5 rip ac ben	Private Ind/Bus 100%	Photo Reference Points
1572	Jones Streambank Protection/Fish Habitat Improvement Lostine River	Streambank stabilization [2001]	Lostine River	Fish Passage, Streambank Stability, Water Quality - Sediment Reduction
	NRCS Wallowa Co	rock structure(s) - 1 , 0.01 stream mi tr; streambank rock structure(s) - 2 , 0.01 stream mi tr	OWEB 76%, Private Ind/Bus 24%	Photo Reference Points
1641	Wallowa River/Parsnip Creek - ODFW/BPA Fish Habitat/Scott	Land/Stream lease, riparian exclosure fence [2002]	Wallowa River and mouth of Parsnip Creek	Riparian Condition
	ODFW	riparian exclosure fence - 1.95 mi, 0.95 stream mi tr, 22.9 rip ac tr	BPA 100%	Photo Reference Points
1642	Whiskey Creek Sediment Reduction & Road Restoration	Road drainage improvements, replace ford and deteriorating/undersized culverts, relocate draw-bottom road. [2002]	North Fork Whiskey Creek	Fish Passage, Water Quality - Sediment Reduction
	ODF Wallowa Co	road(s) improved - 3.38 mi; road(s) relocated - 0.03 mi; stream crossing structure(s) - 6 , 1 stream mi made accessible to fish	OWEB 68%, Private Ind/Bus 31%, ODF Wallowa Co 0.9%	Photo Reference Points
1648	Wallowa Valley Improvement Canal Fence & Livestock Water-2003	ditch exclosure fence, livestock water development [2003]	Wallowa Valley Improvement Canal	Streambank Stability, Water Quality - Chemical, Water Quality - Temperature Improvement
	Wallowa SWCD	well water development(s) - 2 ; ditch exclosure fence - 0.02 mi, 0.09 rip ac tr	OWEB 69.9%, Private Ind/Bus 30.1%	Photo Reference Points

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Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
<u>GRMWP</u> ² <u>ID</u>	<u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>
	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Wallowa River Steelhead				
Subarea: Minam River Chinook				
<u>1012</u>	Minam Watershed Improvement	Crossfencing, modification of grazing system, livestock water development improvements, fish population inventories. [1994]	Minam River scenic waterway and uplands	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	Boise Cascade	pond water development(s) - 16 ; spring water development(s) - 4 ; upland cross fence - 8.4 mi, 24 stream mi ben, 15000 upl ac ben	Boise Cascade 68.3%, OWHP 31.7%	In Channel Habitat, Photo Reference Points, Vegetation Measures, Water Quality Testing
<u>1050</u>	OSU/BCC Grazing System Development & Habitat Improvement	Stabilize & improve roads, livestock water developments, riparian pasture fencing, cross fencing, riparian & meadow planting, develop & demonstrate DSS model. [1995]	Howard Creek/Grossman Creek and Minam River/Wallowa River subwatersheds, Little Catherine Creek	Riparian Condition, Water Quality - Sediment Reduction
	Boise Cascade	road(s) improved - 35 mi; pond water development(s) - 5	OWHP 51.2%, Boise Cascade 46.9%, EOARC 1.9%	Photo Reference Points, Vegetation Measures
<u>1109</u>	Minam/Mt. Harris Road Improvement	Road drainage structures, rocking & road closures [1996]	Minam and Mt. Harris Management Units (BCC)	Water Quality - Sediment Reduction
	Boise Cascade	road(s) closed - 5.5 mi; road(s) improved - 23 mi	BPA 66.7%, Boise Cascade 33.3%	Annual Site Inspection
1575	Spring and Pond Developments	Livestock water developments [2001]	Five Points Creek, Ladd Canyon, Rock Creek, Minam River, Grande Ronde River	Riparian Condition, Water Quality - Overall
	NRCS Union Co	spring water development(s) - 2	OWEB 52.3%, Private Ind/Bus 38.4%, NRCS Union Co 3.7%, Union SWCD 3.1%, BPA 2.5%	Photo Reference Points
Upper Grande Ronde Steelhead				
Subarea: Catherine Creek Chinook				
<u>1003</u>	East Fork Ladd Creek Shelterbelt & Riparian Fencing	Shelterbelt, riparian enclosure fencing & planting, bridge & headgate installation [1995]	East Fork Ladd Creek, adjacent to Ladd Marsh Wildlife Mgmt Area	Fish Passage, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity
	OWHP	irrigation diversion(s) modified - 1 ; riparian planting, 0.12 stream mi tr, 0.75 rip ac tr; stream crossing structure(s) - 1 ; misc. upland treatment(s), 0.13 stream mi ben, 0.75 upl ac tr; riparian exclusion fence - 0.25 mi, 0.12 stream mi tr, 1.5 rip ac tr	OWHP 75.4%, Private Ind/Bus 24.6%	Photo Reference Points

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<u>GRMWP</u> ² <u>ID</u>	<u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>
	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Area</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Upper Grande Ronde Steelhead				
Subarea: Catherine Creek Chinook				
<u>1004</u>	Murphy/Sheehy Streambank Restoration	Streambank stabilization and planting, riparian exclosure fencing [1994]	Catherine Crk rm 15.5, downstream from Union	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	FSA, NRCS Union Co	streambank rock structure(s) - 7 , 0.1 stream mi tr; streambank planting, 0.1 stream mi tr, 0.5 rip ac tr; riparian exclosure fence - 0.2 mi, 0.1 stream mi tr, 1 rip ac tr	OWHP 82.3%, Private Ind/Bus 12.1%, FSA 3.4%, Volunteers 2.3%	Photo Reference Points
<u>1005</u>	Hefner Catherine Creek Riparian Restoration	Riparian exclosure fence and planting [1995]	Catherine Crk, rm 16	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	GRMWP	riparian planting, 0.3 stream mi tr, 1.8 rip ac tr; riparian exclosure fence - 0.6 mi, 0.3 stream mi tr, 3.6 rip ac tr	OWHP 51.8%, Private Ind/Bus 48.2%	Photo Reference Points
<u>1021</u>	Little Creek/Catherine Creek Riparian Fence	Riparian exclosure fencing and planting [1995]	Little Creek @ confluence with Catherine Creek	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	OWHP	riparian planting, 0.75 stream mi tr, 4.5 rip ac tr; riparian exclosure fence - 1.5 mi, 0.75 stream mi tr, 9 rip ac tr	OWHP 67.3%, Private Ind/Bus 32.7%	Photo Reference Points
<u>1029</u>	Bingaman - Indian Creek Headgate	Replaced headgate [1995]	Indian Creek ~rm 0.5	Fish Passage, Water Quality - Sediment Reduction, Water Quantity
	NRCS	irrigation diversion(s) modified - 1	Private Ind/Bus 51.6%, OWHP 48.4%	Photo Reference Points
<u>1030</u>	Union Intake Emergency Fish Ladder	Construct temporary fishway in old fish ladder [1995]	Catherine Creek Rm 20, Union intake Dam	Fish Passage
	ODFW	fish passage ladder(s) @ diversion - 1	ODFW 50%, OWHP 50%	Not Applicable
<u>1033</u>	Miller Grazing Management/Riparian Restoration	Riparian exclosure fencing & cross fencing [1995]	North Fork and mainstem Catherine Creek	Spawning Habitat Protection, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	GRMWP	riparian exclosure fence - 1.75 mi, 1.75 stream mi tr, 10 rip ac tr; upland cross fence - 4.5 mi, 1.75 stream mi ben, 860 upl ac ben	OWHP 58.2%, Private Ind/Bus 41.8%	In Channel Habitat, Photo Reference Points, Water Quality Testing

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Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
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	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Area</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Upper Grande Ronde Steelhead				
Subarea: Catherine Creek Chinook				
<u>1040</u>	Indian Creek Diversion	Construct permanent diversion facility [1996]	Indian Creek, rm 5	Fish Passage, Water Quality - Chemical, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity
	NRCS Union Co	irrigation diversion(s) - 1	BPA 86%, NRCS Union Co 7%, Indian Crk Ditch Co 5.3%, USBR 1.8%	Water Quality Testing, Water Quantity Testing
<u>1045</u>	Indian Creek Riparian Enhancement	Riparian enclosure fencing & planting, livestock water development [1997]	Indian Creek, rm 2-3	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	GRMWP	riparian planting, 0.75 stream mi tr, 4.5 rip ac tr; well water development(s) - 1 ; riparian exclusion fence - 0.75 mi, 0.75 stream mi tr, 9 rip ac tr	Private Ind/Bus 52.7%, OWHP 47.3%	Photo Reference Points
<u>1049</u>	Catherine Creek State Park - Union High School/Oregon State Park Div.	Campground relocation, footbridge construction, riparian vegetation planting, interpretive signs [1995]	Catherine Creek State Park, Catherine Crk, rm 26	Education, Riparian Condition, Spawning Habitat Protection
	OPRD	riparian planting, 0.1 stream mi tr, 0.5 rip ac tr; improve campground(s)/park	OWHP 50.3%, OPRD 45.9%, Union HS 3.9%	Photo Reference Points, Water Quality Testing
<u>1050</u>	OSU/BCC Grazing System Development & Habitat Improvement	Stabilize & improve roads, livestock water developments, riparian pasture fencing, cross fencing, riparian & meadow planting, develop & demonstrate DSS model. [1995]	Howard Creek/Grossman Creek and Minam River/Wallowa River subwatersheds, Little Catherine Creek	Fish Passage
	Boise Cascade	stream crossing structure(s) - 2	OWHP 51.2%, Boise Cascade 46.9%, EOARC 1.9%	Photo Reference Points, Vegetation Measures
<u>1056</u>	Catherine Creek Enhancement - Hassinger	Instream rock barbs at diversion site, riparian enclosure fencing [1995]	Catherine Creek (Old Grande Ronde River Channel)	Riparian Condition, Streambank Stability, Water Quality - Sediment Reduction
	NRCS Union Co	streambank rock structure(s) - 2 , 0.01 stream mi tr; riparian exclusion fence - 0.19 mi, 0.2 stream mi tr, 1 rip ac tr	OWHP 68.4%, Private Ind/Bus 31.6%	Photo Reference Points
<u>1057</u>	Catherine Creek Watershed Enhancement - USFS	Riparian pasture [1996]	South Fork Catherine Creek	Riparian Condition, Spawning Habitat Protection
	La Grande RD	riparian/upland cross fence - 5.3 mi, 7 stream mi ben, 2400 rip/upl ac ben	OWHP 56.3%, La Grande RD 43.7%	Photo Reference Points, Vegetation Measures

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	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Area</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Upper Grande Ronde Steelhead				
Subarea: Catherine Creek Chinook				
<u>1058</u>	Upper Grande Ronde Sediment Reduction - FS	Obliterate, close and waterbar sediment producing roads	Catherine Creek & Upper Grande Ronde watersheds	Water Quality - Sediment Reduction
	La Grande RD	road(s) closed, 82 mi; road(s) improved, 28 mi; road(s) obliterated, 46 mi	La Grande RD 64.3%, OWHP 35.7%	Photo Reference Points
<u>1078</u>	Fager Ladd Creek Riparian Fence	Riparian enclosure fence [1996]	Ladd Creek & West Fork Ladd Crk	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	GRMWP	riparian exclusion fence - 0.95 mi, 0.47 stream mi tr, 6 rip ac tr	OWHP 59.7%, Private Ind/Bus 40.3%	Photo Reference Points
<u>1082</u>	Bouvy Trust Water Development and Fencing	Cross fencing & livestock water developments [1995]	Grande Ronde R just west of La Grande	Water Quality - Sediment Reduction
	NRCS Union Co	pond water development(s) - 1 ; spring water development(s) - 4	OWHP 52.1%, Bouvy Tr 47.9%	Photo Reference Points
<u>1089</u>	Scott Streambank	Streambank rock barbs, vegetative revetments, planting, riparian enclosure fence & cross fencing [1995]	Lower Catherine Creek, rm 7, South of Gekeler Ln downstream from Ladd Crk and upstream from confluence with Grande Ronde	Riparian Condition, Streambank Stability
	NRCS Union Co	streambank log structure(s), 0.03 stream mi tr; streambank rock structure(s) - 3 , 0.03 stream mi tr; streambank planting, 0.03 stream mi tr; riparian exclusion fence - 0.03 mi, 0.03 stream mi tr, 0.5 rip ac tr; upland cross fence - 0.5 mi, 0.34 stream mi ben, 42 upl ac ben	OWHP 89.7%, Private Ind/Bus 10.3%	Photo Reference Points
<u>1091</u>	Thompson Riparian Fence and Off-Stream Water	Riparian enclosure fencing and livestock water development [1995]	Un-named tributary of Ladd Creek near lower end of Ladd Canyon	Water Quality - Temperature Improvement, Water Quantity
	FSA, NRCS	spring water development(s) - 1 ; riparian exclusion fence - 0.7 mi, 0.32 stream mi tr, 12 rip ac tr	Private Ind/Bus 50%, OWHP 50%	Photo Reference Points
<u>1093</u>	Catherine Creek Fish Passage	Construct fish passage structures at 3 irrigation diversion dams [1995]	Catherine Creek, rm 17-20.25, Swackhammer, Union Intake & Wright-Hempe-Hutchinson dams	Fish Passage, Water Quality - Sediment Reduction
	ODFW	fish passage ladder(s) @ diversion - 3 ; fish passage weir(s) @ diversion - 3 ; irrigation diversion(s) - 3	OWHP 75.6%, NMFS 13%, BPA 10%, USBR 1.3%	ODFW Monitoring

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Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
<small>GRMWP</small> ² <u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>	
<small>ID</small>	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Area</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Upper Grande Ronde Steelhead Subarea: Catherine Creek Chinook				
<u>1094</u>	Mt. Harris Weed Control	Noxious weed control & seeding of perennial grasses [1996]	West facing slopes of Mt. Harris	Upland Habitat Improvement, Water Quality - Sediment Reduction
	Union Co NWC	upland noxious weed control, 6500 upl ac tr; upland seeding, 750 upl ac tr	OWHP 60.8%, ODFW 22%, Private Ind/Bus 13.9%, Union Co NWC 3.3%	Photo Reference Points, Vegetation Measures
<u>1096</u>	Catherine Creek Erosion Control	Streambank rock & log structures, riparian enclosure fencing and planting [1995]	Catherine Creek within city limits of Union	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	NRCS	streambank log structure(s), 0.03 stream mi tr; streambank rock structure(s) - 6 , 0.03 stream mi tr; streambank planting, 0.03 stream mi tr; riparian planting, 0.03 stream mi tr, 0.01 rip ac tr; riparian seeding, 0.03 stream mi tr, 0.01 rip ac tr; riparian exclusion fence - 0.03 mi, 0.03 stream mi tr, 0.01 rip ac tr	Private Ind/Bus 50.3%, GWEB 49.7%	Photo Reference Points
<u>1109</u>	Minam/Mt. Harris Road Improvement	Road drainage structures, rocking & road closures [1996]	Minam and Mt. Harris Management Units (BCC)	Water Quality - Sediment Reduction
	Boise Cascade	road(s) improved - 7.5 mi	BPA 66.7%, Boise Cascade 33.3%	Annual Site Inspection
<u>1110</u>	Indian Creek Habitat Restoration (Beck)	Road closure, stabilization, drainage work, seeding, and livestock water development [1996]	Indian Creek & Little Indian Creek	Riparian Condition, Streambank Stability, Water Quality - Sediment Reduction, Wildlife Habitat Improvement
	GRMWP	road(s) closed - 4.25 mi; road(s) improved - 1 mi; spring water development(s) - 1	BPA 100%	
<u>1137</u>	Ladd Creek - ODFW Fish Habitat/Counsell	Riparian enclosure & seeding [1994]	Ladd Creek	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	NRCS Union Co	riparian seeding, 0.3 stream mi tr, 1.15 rip ac tr; riparian exclusion fence - 0.67 mi, 0.3 stream mi tr, 2.3 rip ac tr	Private Ind/Bus 55.6%, ODFW 44.4%	Unknown
<u>1147</u>	Pole Creek Fence & Water Development	Drift fence, cattleguard & livestock water development [1996]	Pole Creek grazing allotment, S.F. Catherine Creek	Spawning Habitat Protection, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	La Grande RD	spring water development(s) - 1 ; upland cross fence - 0.25 mi, 7 stream mi ben, 2400 upl ac ben	BPA 50%, La Grande RD 45%, Allotment Permittee 5%	Vegetation Measures

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
GRMWP ² ID	Project Name	Project Description and [Primary Year of Work]	Location	Objectives
	Lead Organization(s)	On the Ground Tasks for Population Are	Funding Source - % of Funding	Monitoring
Upper Grande Ronde Steelhead Subarea: Catherine Creek Chinook				
<u>1148</u>	Catherine Creek Division Fence	Cross fencing [1997]	Catherine Creek Allotment	Riparian Condition
	La Grande RD	upland cross fence - 3.3 mi, 30 stream mi ben, 22000 upl ac ben	BPA 48.2%, La Grande RD 37.3%, Allotment Permittee 14.5%	In Channel Habitat, Vegetation Measures
<u>1155</u>	Little Catherine Creek Headcut Stabilization & Restoration	Boulder weirs, streambank riprap, pool construction [1996]	Little Catherine Creek @ Little Catherine Meadows	Instream Habitat Diversity, Streambank Stability, Water Quality - Temperature Improvement, Water Quantity
	La Grande RD	placement of large woody material, 0.01 stream mi tr; rock structure(s) - 2, 0.02 stream mi tr; misc. channel work, 0.01 stream mi tr; streambank rock treatment, 0.02 stream mi tr	La Grande RD 59.7%, BPA 40.3%	In Channel Habitat
<u>1158</u>	Kirby/Catherine Creek Irrigation Improvement	Diversion improvements & conversion to sprinkler irrigation system [1998]	Catherine Creek	Fish Passage, Water Quality - Sediment Reduction, Water Quantity
	NRCS Union Co	irrigation diversion(s) - 1; modify irrigation methods	BPA 51.4%, Private Ind/Bus 48.6%	Annual Project Assessment
<u>1161</u>	Galloway Stream Restoration on Indian Creek	Bank shaping, rock barbs, streambank planting & vegetative-log revetments [1996]	Indian Creek, 600 ft above confluence with Grande Ronde River	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	NRCS Union Co	streambank log structure(s), 0.02 stream mi tr; streambank rock structure(s) - 6, 0.1 stream mi tr; streambank planting, 0.08 stream mi tr; streambank seeding, 0.02 stream mi tr	Union Co 36.1%, BPA 36%, Private Ind/Bus 28%	Photo Reference Points
<u>1167</u>	Mt. Harris Watershed Improvement	Division/riparian drift fence & livestock water developments [1996]	Indian Creek, Little Indian Creek, Shaw Creek, Clark Creek, MF Clark Creek	Riparian Condition
	Boise Cascade	pond water development(s) - 2; spring water development(s) - 12; upland cross fence - 6 mi, 22 stream mi ben, 23040 upl ac ben	Boise Cascade 63.1%, BPA 36.9%	Vegetation Measures
<u>1177</u>	Red Pepper Bridge	Replace culvert & resurface road [1996]	Red Pepper Lane at crossing with old Grande Ronde River channel	Fish Passage, Instream Habitat Diversity
	Union Co PW	stream crossing structure(s) - 1	Union Co PW 51.4%, FEMA 39.5%, BPA 9.2%	Annual Site Inspection
<u>1178</u>	Catherine Creek Road Erosion Project	Reshape & plant cut slope, install drainage culverts, divert runoff [1996]	Hwy 203 near confluence of Catherine Crk & Milk Crk	Spawning Habitat Protection, Water Quality - Sediment Reduction
	ODOT	road(s) improved - 0.4 mi; upland planting, 0.2 stream mi ben; upland seeding, 0.4 stream mi ben	ODOT 40.4%, BPA 38.2%, CTUIR 21.4%	Annual Site Inspection

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
GRMWP ² ID	Project Name	Project Description and [Primary Year of Work]	Location	Objectives
	Lead Organization(s)	On the Ground Tasks for Population Are	Funding Source - % of Funding	Monitoring
Upper Grande Ronde Steelhead Subarea: Catherine Creek Chinook				
1243	Little Catherine Creek Watershed Enhancement - BCC/DEQ	Cross fencing, livestock water development maintenance, road closures & seeding, upland & riparian plantings [1995]	Little Catherine Crk, Little Crk, Potters Crk	Riparian Condition, Water Quality - Sediment Reduction
	Boise Cascade	riparian planting, 6 stream mi tr, 44 rip ac tr; road(s) closed; pond water development(s) - 7 ; spring water development(s) - 12 ; upland cross fence - 15 mi, 23 stream mi ben, 12160 upl ac ben; upland planting, 9 stream mi ben, 2480 upl ac tr	ODEQ 51%, Boise Cascade 49%	Water Quality Testing
1257	Ladd Creek Livestock Fencing - FS/BLM/BCC	Boundary fence & riparian enclosure [1996]	Ladd Crk near Ladd Canyon Pond	Riparian Condition
	La Grande RD	riparian exclusion fence - 0.6 mi, 0.3 stream mi tr, 4 rip ac tr; upland cross fence - 1.75 mi, 1 stream mi ben, 1800 upl ac ben	La Grande RD 50%, Boise Cascade 25%, BLM 25%	Vegetation Measures
1258	Lick Creek Riparian Zone Woody Debris - FS	Woody debris placed in riparian area to exclude cattle [1995]	Lick Creek	Riparian Condition
	La Grande RD	place large woody material in riparian zone, 0.2 stream mi tr, 3 rip ac tr	La Grande RD 100%	Vegetation Measures
1271	Catherine Creek Rock Barbs & Planting - NRCS/Smith	Streambank rock barbs & plantings [1995]	Catherine Crk ~ rm 22	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction
	FSA, NRCS Union Co	streambank rock structure(s) - 6 , 0.08 stream mi tr; streambank planting, 0.08 stream mi tr, 1 rip ac tr	Private Ind/Bus 52.9%, FSA 47.1%	
<u>1313</u>	Camp Creek Riparian Exclusion Fence & Off-Site Water Development	Riparian enclosure fence & livestock water development [1997]	Camp Creek, North Fork Clark Creek	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	La Grande RD	riparian exclusion fence - 3 mi, 2 stream mi tr, 24 rip ac tr	BPA 58.8%, La Grande RD 28.8%, Allotment Permittee 12.5%	In Channel Habitat, Photo Reference Points, Vegetation Measures, Water Quality Testing
<u>1314</u>	Catherine Creek Riparian Pasture & Off-Site Water Development	Riparian pasture fence & livestock water developments [1998]	Little Catherine Creek	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	La Grande RD	pond water development(s) - 3 ; spring water development(s) - 1 ; riparian cross fence - 0.75 mi, 1 stream mi ben	BPA 44.6%, La Grande RD 41%, Allotment Permittee 14.4%	In Channel Habitat, Photo Reference Points, Vegetation Measures, Water Quality Testing

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
GRMWP ² ID	Project Name	Project Description and [Primary Year of Work]	Location	Objectives
	Lead Organization(s)	On the Ground Tasks for Population Are	Funding Source - % of Funding	Monitoring
Upper Grande Ronde Steelhead Subarea: Catherine Creek Chinook				
<u>1316</u>	Off-Site Water Developments - La Grande Ranger District	Livestock water developments [1997]	Indian Crk & Five Points Creek	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	La Grande RD	spring water development(s) - 1	BPA 42.6%, La Grande RD 29.1%, Allotment Permittee 28.4%	In Channel Habitat, Photo Reference Points, Vegetation Measures, Water Quality Testing
<u>1320</u>	Catherine Creek/Wright-Hempe-Hutchinson Fishway/Diversion Upgrade	Complete modification to diversion structure to meet ODFW fish passage standards [1997]	Catherine Creek in City of Union	Fish Passage
	ODFW	fish passage ladder(s) @ diversion - 1 ; fish passage weir(s) @ diversion - 1	BPA 81.1%, NRCS 14%, ODFW 4.9%	Annual Site Inspection
<u>1325</u>	Catherine Creek Streambank Stabilization & Spring Chinook Habitat Enhancement	Streambank stabilization & sewage treatment plant protection (rock barbs, log revetment, rock weir, rock rip rap), fish passage structure improvement (laddered weirs & inlet), spring chinook rearing channel improvement (diversion to provide continuous flo	Catherine Creek in City of Union (City of Union Treatment Plant, City Union Intake Ponds, & 2 urban locations	Instream Habitat Diversity, Streambank Stability, Water Quality - Chemical
	NRCS	rock structure(s) - 1 , 0.01 stream mi tr; construction of side channel(s)/pool(s), 0.04 stream mi tr; misc. modifications to side channel(s)/pool(s); streambank rock treatment, 0.02 stream mi tr; streambank log structure(s) - 1 , 0.01 stream mi tr; streambank rock structure(s) - 8 , 0.07 stream mi tr	EWP 43.9%, BPA 40.7%, NRCS 11.9%, City of Union 3.5%	Photo Reference Points
<u>1326</u>	Catherine Creek/Shelden/Sheehy Irrigation and Waterway Improvements	Rock barbs, riparian exclusion fence, convert/improve irrigation systems [2000]	Catherine Creek below City of Union	Streambank Stability, Water Quality - Temperature Improvement, Water Quantity
	NRCS Union Co	streambank rock structure(s) - 4 , 0.01 stream mi tr; modify irrigation methods, 21 upl ac ben; riparian exclusion fence - 0.11 mi, 0.11 stream mi tr, 1 rip ac tr	BPA 62.4%, Private Ind/Bus 37.6%	Photo Reference Points
<u>1330</u>	Mt Harris/Beck Water Development	Livestock water development [1997]	Little Indian Creek	Riparian Condition, Streambank Stability, Wildlife Habitat Improvement
	Union SWCD	spring water development(s) - 1	BPA 60.8%, Private Ind/Bus 39.2%	Photo Reference Points

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area

Selected for Projects with a Primary Year of Work greater than or equal to 1994

<small>GRMWP ²</small> <u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>	
<small>ID</small>	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Area</u>	<u>Funding Source - % of Funding</u>	
Upper Grande Ronde Steelhead				
Subarea: Catherine Creek Chinook				
<u>1365</u>	Little Creek/Kerr Riparian Fencing	Riparian exclosure fence & planting [1998]	Little Creek	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Wildlife Habitat Improvement
	ODFW	riparian planting, 0.2 stream mi tr, 0.5 rip ac tr; riparian exclosure fence - 0.42 mi, 0.25 stream mi tr, 6 rip ac tr	ODFW 51.1%, BPA 38.7%, Private Ind/Bus 10.2%	Photo Reference Points
<u>1376</u>	Loren Fleet Dike Setback & Wetland Restoration Project	Relocate dike & create flood plain, riparian planting [1999]	Catherine Creek (Old Grande Ronde River) upstream from confluence with State Ditch/Grande Ronde River	Streambank Stability, Water Quality - Chemical, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	NRCS Union Co	floodplain restoration, 0.3 stream mi tr, 15 rip ac tr; wetland planting, 0.3 stream mi tr, 2 rip ac tr	GWEB 49.6%, NRCS Union Co 32.9%, Private Ind/Bus 17.5%	Photo Reference Points
<u>1377</u>	Mt. Harris Watershed Enhancement Project - Phase II	Noxious weed control; fertilize existing perennial grass stands & some seeding of perennial grasses [1998]	West facing slopes of Mt. Harris	Upland Habitat Improvement, Water Quality - Sediment Reduction
	Union Co NWC	upland noxious weed control, 1987 upl ac tr; upland seeding, 528 upl ac tr	GWEB 59.4%, Union Co NWC 15.8%, Private Ind/Bus 15.2%, EOARC 9.5%	Photo Reference Points, Vegetation Measures
<u>1381</u>	Catherine Creek/Hefner Irrigation System Improvement	Irrigation system efficiency improvements [2001]	Dobbs Ditch/Catherine Crk	Water Quality - Temperature Improvement, Water Quantity
	Union SWCD	ditch/canal work, 0.19 mi	GWEB 71.4%, Private Ind/Bus 20%, Union SWCD 8.6%	Photo Reference Points
<u>1396</u>	Cove Yellowstar Thistle Project	Noxious weed control [1999]	West slopes of Willowa Mountain Range near Cove, Oregon.	Water Quality - Sediment Reduction
	La Grande RD	upland noxious weed control, 4 stream mi ben, 100 upl ac tr	GWEB 72%, La Grande RD 28%	Photo Reference Points, Vegetation Measures
<u>1401</u>	Catherine Creek Road Erosion Project - Addendum	Seeding/planting on cut slopes for erosion/sediment control [1998]	Hwy 203 near confluence of Catherine Crk & Milk Crk	Spawning Habitat Protection, Water Quality - Sediment Reduction
	ODOT	upland planting, 0.4 stream mi ben; upland seeding, 0.4 stream mi ben	GWEB 72.8%, ODOT 27.2%	Photo Reference Points
<u>1420</u>	Ladd Marsh Effluent Irrigation Project	Replace/improve pipeline used for delivery of treated municipal wastewater effluent, improve wetland/wildlife habitat [1997]	Ladd Marsh Wildlife Area	Water Quality - Chemical, Wildlife Habitat Improvement
	ODFW	wastewater facility - 1	OWHP 61.8%, ODFW 27.2%, La Grande PW 11%	

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
GRMWP ² ID	Project Name	Project Description and [Primary Year of Work]	Location	Objectives
	Lead Organization(s)	On the Ground Tasks for Population Area	Funding Source - % of Funding	Monitoring
Upper Grande Ronde Steelhead				
Subarea: Catherine Creek Chinook				
1439	Union County 1998 Ditch Lining Projects - BOR	Line irrigation ditches to conserve water [1998]	Union County at Prescott Ditch (Catherine Crk), Nesley Ditch and Gekeler Ditch (Grande Ronde River)	Education, Water Quantity
	USBR	ditch/canal work, 0.44 mi	USBR 87%, All Ditch Assoc 13%	
1468	Ladd Creek\Tule Lake Restoration Project	Restore stream channel, floodplain and lake habitat, riparian & upland planting, water control structures. [2002]	Ladd Creek, Tule Lake	Instream Habitat Diversity, Water Quality - Temperature Improvement, Water Quantity, Wildlife Habitat Improvement
	DU, NRCS, ODFW, TNC	placement of large woody material, 3.7 stream mi tr; concrete structure(s) - 5, 3.7 stream mi tr; misc. channel work, 3.7 stream mi tr; riparian planting, 3.7 stream mi tr, 15 rip ac tr; restore wetland, 300 rip ac tr; upland planting, 3.7 stream mi ben, 154 upl ac tr; upland seeding, 3.7 stream mi ben, 120 upl ac tr	NRCS 31.1%, ODFW 30.5%, DU 18.6%, GWEB 8.6%, CTUIR 7.6%, USFWS 2.9%, ODOT 0.7%	ODFW Monitoring, Photo Reference Points
1478	Clark Creek Watershed Restoration Project	Riparian/wet meadow exclosure fencing, instream large woody material placement, spring protection and livestock water development. [2000]	Clark Creek, North Fork Clark Creek tributary, Camp Creek	Water Quality - Sediment Reduction
	La Grande RD	spring water development(s) - 1	BPA 61%, La Grande RD 28.7%, Allotment Permittee 10.3%	Photo Reference Points
1483	Grande Ronde Basin Instream Structure Enhancement	Block grant to fund use of trakhoe or track mounted log loader for instream placement of large woody material and/or boulders. [1999]	Eaton Creek, Ladd Canyon tributary, McCoy Creek, Milk Creek	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction
	ODF Union Co, ODFW, Private Ind/Bus	placement of boulders, 0.23 stream mi tr; placement of large woody material, 1.98 stream mi tr; log structure(s) - 20, 1.75 stream mi tr	OWEB 28.5%, GWEB 22.2%, Private Ind/Bus 20.2%, EOARC 9.9%, Boothman Ranch 7.4%, ODFW 4.7%, ODF Union Co 4.7%, Alta Cunha Ranches 2.5%	Photo Reference Points
1486	Forkan Riparian Buffer Plantings - DEQ	Streambank planting of trees & shrubs and riparian tree plantation of hybrid poplars. [1999]	Old Grande Ronde River channel, 1/2 mile N of Market Lane	Streambank Stability, Water Quality - Chemical, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	ODEQ	streambank planting, 1 stream mi tr; riparian planting, 0.3 stream mi tr, 10 rip ac tr	Private Ind/Bus 60%, ODEQ 40%	

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area

Selected for Projects with a Primary Year of Work greater than or equal to 1994

<small>GRMWP 2</small> <small>ID</small> <u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>
<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Upper Grande Ronde Steelhead Subarea: Catherine Creek Chinook			
<u>1492</u> Hagedorn Road Relocation/Stream Rehabilitation	Relocate drawbottom road, rehabilitate abandoned road bed, drainage improvements to existing road, instream large woody material and boulder placement [2001]	Ladd Creek tributary on Glass Hill	Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity
ODF Union Co	placement of boulders, 0.55 stream mi tr; placement of large woody material, 0.55 stream mi tr; riparian seeding, 0.55 stream mi tr, 1.5 rip ac tr; road(s) improved - 0.55 mi; road(s) relocated - 0.55 mi	BPA 67.7%, Private Ind/Bus 29.7%, ODF Union Co 2.5%	Photo Reference Points
<u>1493</u> Ladd Creek Alternative Watering System	Riparian enclosure fence and livestock water development [2000]	Ladd Creek, just above confluence with Catherine Creek	Water Quality - Chemical, Water Quality - Sediment Reduction
NRCS Union Co, Union SWCD	well water development(s) - 1 ; riparian exclusion fence - 0.18 mi, 0.18 stream mi tr, 5 rip ac tr	Private Ind/Bus 49.6%, BPA 48.8%, Union SWCD 1.6%	Photo Reference Points, Water Quality Testing
<u>1494</u> Ladd Creek/Smutz Draw Road Decommission, Relocation and Stream Enhancement	Relocate drawbottom road, rehabilitate abandoned road bed, improve stream crossings, instream large woody material and boulder placement [2001]	Ladd Creek tributary	Instream Habitat Diversity, Water Quality - Sediment Reduction
ODF Union Co, Union SWCD	placement of boulders, 2.4 stream mi tr; placement of large woody material, 2.4 stream mi tr; road(s) built - 3.23 mi; road(s) obliterated - 2.4 mi; stream crossing structure(s) - 3	BPA 66%, Private Ind/Bus 19.3%, Boise Cascade 14.8%	Photo Reference Points
<u>1495</u> North Fork Catherine Watershed Restoration	Restore wet meadow, instream grade control structures, riparian enclosure fence, cross-fencing, thin overstocked conifer stands. [2000]	Catherine Creek watershed	Riparian Condition, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity
La Grande RD	log structure(s) - 25 , 1 stream mi tr; riparian exclusion fence - 0.38 mi, 0.19 stream mi tr, 5 rip ac tr; upland cross fence - 4.25 mi, 12.5 stream mi ben, 9600 upl ac ben; riparian/upland thinning, 8 stream mi tr, 737 rip/upl ac tr	La Grande RD 38.1%, BPA 37.1%, NFWF 20.7%, Allotment Permittee 4.1%	In Channel Habitat, Photo Reference Points, Vegetation Measures, Water Quality Testing, Water Quantity Testing
<u>1507</u> Mill Creek Fish Passage	Install fish ladder at diversion structure and repair leaking headgate [2001]	Mill Creek/Caldwell Ditch	Fish Passage, Water Quantity
Union SWCD	fish passage ladder(s) @ diversion - 1 , 1.5 stream mi made accessible to fish; irrigation diversion(s) modified - 1 , 1.5 stream mi made accessible to fish	BPA 56.6%, Caldwell Ditch Co 20.9%, OWEB 14.4%, USBR 8.2%	Annual Project Assessment, ODFW Monitoring

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Salmonid Population Area

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<small>GRMWP ID</small> ² <u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>	
<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Area</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>	
Upper Grande Ronde Steelhead Subarea: Catherine Creek Chinook				
1516	Grande Ronde River - ODFW/BPA Fish Habitat - Smidtt	Land/Stream lease, riparian enclosure fence [1999]	Grande Ronde River	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	ODFW	riparian exclusion fence - 0.2 mi, 0.5 stream mi tr, 6 rip ac tr	BPA 50%, Private Ind/Bus 50%	Photo Reference Points
1527	Grande Ronde Basin In-Stream Structure Enhancement 2000	Continuation of block grant to fund use of trakhoe or track mounted log loader for instream placement of large woody material and/or boulders. [2001]	Grande Ronde Basin	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction
	ODF Union Co	placement of large woody material, 0.89 stream mi tr	OWEB 46.6%, Private Ind/Bus 39%, ODF Union Co 9.8%, ODFW 4.7%	Photo Reference Points
1529	Upper Grande Ronde Healthy Forested Watersheds	Develop stewardship plans, precommercial thin overstocked forest stands, plant understocked forest stands [2000]	Private lands Union Co., McCoy, Bear Canyon, Sheep, Frizzell, Potters, Jordan, Rock, Slide, Phillips, Duncan Canyon Creeks	Water Quality - Overall, Water Quantity
	ODF Union Co	upland planting, 0.25 stream mi ben, 20 upl ac tr	OWEB 62.1%, Private Ind/Bus 30.3%, ODF Union Co 7.6%	Photo Reference Points
1538	Catherine Creek Allotment Division Fence - USFS	Livestock pasture division fence [2000]	Little Catherine Crk subwatershed	Riparian Condition, Upland Habitat Improvement
	La Grande RD	upland cross fence - 4.25 mi, 13 stream mi ben, 11000 upl ac ben	La Grande RD 100%	USFS Assessment Monitoring
1539	Little Catherine Creek Tributary Riparian Enclosure Fence - USFS	Riparian enclosure fence [2000]	Tributary to Little Catherine Creek	Riparian Condition
	La Grande RD	riparian exclusion fence - 0.5 mi, 0.25 stream mi tr, 5 rip ac tr	La Grande RD 100%	USFS Assessment Monitoring
<u>1542</u>	Culvert Replacements	Replace/install culverts [2001]	Limber Jim Crk, EF Sheep Crk, Waucup Crk, NF Clark Crk, and Scout Crk	Fish Passage, Water Quality - Sediment Reduction
	La Grande RD	rock structure(s) - 1, 0.01 stream mi tr; stream crossing structure(s) - 1, 2 stream mi made accessible to fish	BPA 54%, La Grande RD 46%	Annual Site Inspection, USFS Monitoring
1547	Ladd Creek (Middle Fork) Relocation and Restoration	Relocate/restore stream from ditch to historic channel [2001]	Middle Fork Ladd Creek	Fish Passage, Instream Habitat Diversity, Water Quality - Sediment Reduction, Water Quantity
	ODFW, Union Co PW	restore historic channel, 0.91 stream mi tr; irrigation diversion(s) modified - 2; stream crossing structure(s) - 2	USACE 56.2%, OWEB 23.2%, Union Co PW 13.9%, ODFW 6.8%	

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GRMWP ² ID	Project Name	Project Description and [Primary Year of Work]	Location	Objectives
	Lead Organization(s)	On the Ground Tasks for Population Are	Funding Source - % of Funding	Monitoring
Upper Grande Ronde Steelhead				
Subarea: Catherine Creek Chinook				
<u>1548</u>	Little Catherine and Lick Creek Subwatershed Restoration Project	Pasture division fence, instream large woody debris, livestock water developments, replace rock fords with culverts [2001]	Little Catherine Crk and Lick Creek subwatersheds	Riparian Condition, Streambank Stability, Water Quality - Sediment Reduction
	La Grande RD	placement of large woody material, 0.38 stream mi tr; stream crossing structure(s) - 2 ; pond water development(s) - 1 ; spring water development(s) - 3 ; upland cross fence - 2.5 mi, 2 stream mi ben, 24 upl ac ben	La Grande RD 49.9%, BPA 46.4%, Allotment Permittee 3.7%	In Channel Habitat, Photo Reference Points, Vegetation Measures
<u>1549</u>	Little Creek Crossing Improvement Project	Replace bridge [2002]	Little Creek	Fish Passage, Water Quality - Sediment Reduction
	Union Co PW	stream crossing structure(s) - 1	Union Co PW 75.2%, BPA 24.8%	Annual Project Assessment
<u>1555</u>	Mill Creek Crossing Improvement	Replace bridge [2001]	Mill Creek	Fish Passage, Water Quality - Sediment Reduction
	Union Co PW	stream crossing structure(s) - 1	Union Co PW 74.3%, BPA 25.7%	Photo Reference Points
1575	Spring and Pond Developments	Livestock water developments [2001]	Five Points Creek, Ladd Canyon, Rock Creek, Minam River, Grande Ronde River	Riparian Condition, Water Quality - Overall
	NRCS Union Co	spring water development(s) - 2	OWEB 52.3%, Private Ind/Bus 38.4%, NRCS Union Co 3.7%, Union SWCD 3.1%, BPA 2.5%	Photo Reference Points
1576	Price / Brush Creek Streambank Restoration - Phase II	Riparian/upland pasture fence and plantings [2002]	Brush Creek (tributary to Ladd Canyon)	Riparian Condition, Streambank Stability, Water Quality - Sediment Reduction
	NRCS Union Co, Union SWCD	riparian planting, 0.27 stream mi tr, 6 rip ac tr; riparian/upland cross fence - 0.71 mi, 0.63 stream mi ben, 70 rip/upl ac ben	OWEB 63.3%, Private Ind/Bus 33.4%, NRCS Union Co 3.3%	Photo Reference Points
1579	Milk/Catherine Cr. Channel Meander-Fish Passage Establishment	Relocate/restore stream from ditch to historic channel, replace undersized culvert. [2001]	Milk Creek, near confluence with Catherine Creek	Fish Passage, Instream Habitat Diversity, Water Quality - Chemical, Water Quality - Sediment Reduction, Water Quantity
	EOARC, ODF Union Co, ODFW, ODOT	restore historic channel, 0.21 stream mi tr; stream crossing structure(s) - 1	OWEB 60.8%, EOARC 20.3%, ODOT 11.2%, ODFW 3.8%, ODF Union Co 3.8%	Photo Reference Points
<u>1593</u>	2001 La Grande Off-Site Water Developments	Increase holding capacity of existing stock ponds and build spring fed livestock water developments [2001]	Upper Grande Ronde (Spring & Marley Creeks) & Catherine Creek (SF Catherine Crk) watersheds	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	La Grande RD	spring water development(s) - 4	BPA 50.5%, La Grande RD 33.7%, Allotment Permittee 15.8%	Annual Project Assessment

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
<u>GRMWP ID</u> ²	<u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>
	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Area</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Upper Grande Ronde Steelhead				
Subarea: Catherine Creek Chinook				
1594	Grande Ronde River CREP - Boehne	Relocate dike, create, fence & plant floodplain/wetland area [2000]	Grande Ronde River in Grande Ronde Valley	Riparian Condition, Water Quality - Overall
	FSA, NRCS Union Co	floodplain restoration, 0.28 stream mi tr, 3 rip ac tr; riparian planting, 0.28 stream mi tr, 3 rip ac tr; CREP, 0.28 stream mi tr, 3 rip ac tr; riparian exclusion fence - 0.28 mi, 0.28 stream mi tr, 3 rip ac tr	FSA 50%, OWEB 25%, Private Ind/Bus 25%	
<u>1599</u>	Little Indian Creek Streambank and Subwatershed Rehabilitation	Instream large woody material, wet meadow grade control structures, road obliteration and drainage improvements, cross-fencing, livestock water developments. [2002]	Indian & Little Indian Creek subwatersheds	Instream Habitat Diversity, Riparian Condition, Streambank Stability, Water Quality - Sediment Reduction, Water Quantity
	La Grande RD	placement of large woody material, 1 stream mi tr; rock structure(s) - 1, 0.5 stream mi tr; restore wet meadow, 0.5 stream mi tr; road(s) improved - 2.5 mi; road(s) obliterated - 1.2 mi; spring water development(s) - 2; upland cross fence - 1 mi	La Grande RD 61.8%, BPA 38.2%	In Channel Habitat, Photo Reference Points, Water Quality Testing, Water Quantity Testing
<u>1609</u>	Indian Creek/Trick Runoff Buffering System	Construct vegetated infiltration swale to buffer nutrients from feedlot runoff [2002]	Indian Creek, 0.7 mi upstream of Grande Ronde R confluence	Water Quality - Chemical
	Union SWCD	improve feedlot	BPA 69.2%, Private Ind/Bus 21.8%, Union SWCD 5.3%, NRCS 3.8%	Photo Reference Points
<u>1620</u>	South Fork Catherine Creek Watershed Restoration	Obliterate & recontour drawbottom road, livestock drift fence and water developments, riparian plantings, upgrade water quality monitoring equipment [2002]	South Fork Catherine Creek, Bottle Creek, Pole Creek, FS Road 7700-600	Riparian Condition, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	La Grande RD	riparian planting, 0.75 stream mi tr, 9 rip ac tr; riparian seeding, 3.65 stream mi tr, 9 rip ac tr; road(s) obliterated - 3.65 mi; spring water development(s) - 2; riparian cross fence - 0.38 mi	La Grande RD 54.1%, BPA 36.6%, Allotment Permittee 9.3%	Water Quality Testing
<u>1625</u>	Little Creek/White Solar Livestock Watering System	Solar powered livestock watering system [2002]	Little Creek	Education, Water Quality - Chemical, Water Quality - Sediment Reduction
	GRMWP	well water development(s) - 1	Bonneville EF 62.4%, Private Ind/Bus 37.6%	Annual Project Assessment

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
<small>GRMWP² ID</small> Project Name	Project Description and [Primary Year of Work]	Location	Objectives	
Lead Organization(s)	On the Ground Tasks for Population Area	Funding Source - % of Funding	Monitoring	
Upper Grande Ronde Steelhead Subarea: Catherine Creek Chinook				
1636	Milk Creek Riparian Enhancement Project	Riparian enclosure fence, pond/wetland fencing, livestock water developments, instream large woody material and boulder placement, replace culvert [2002]	Milk Creek	Fish Passage, Riparian Condition, Water Quality - Sediment Reduction, Wildlife Habitat Improvement
	ODF Union Co, Union SWCD	placement of boulders, 0.25 stream mi tr; placement of large woody material, 0.25 stream mi tr; stream crossing structure(s) - 1, 1 stream mi made accessible to fish; spring water development(s) - 2; riparian exclusion fence - 2.8 mi, 1.3 stream mi tr, 24 rip ac tr	OWEB 57.4%, Wallowa Forest Products 33.2%, ODF Union Co 9%, ODFW 0.4%	Photo Reference Points
Upper Grande Ronde Steelhead Subarea: Upper Grande Ronde Chinook				
<u>1001</u>	Fly Creek Riparian Restoration	Riparian enclosure fence, livestock water [1994]	Fly Crk @ confluence w/ Grande Ronde River	Spawning Habitat Protection, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Wildlife Habitat Improvement
	La Grande RD	spring water development(s) - 1; riparian exclusion fence - 2 mi, 1 stream mi tr, 30 rip ac tr	NRCS Union Co 46.4%, Private Ind/Bus 22.1%, OWHP 21.8%, La Grande RD 7.2%, ODFW 2.5%	Photo Reference Points
<u>1002</u>	Whiskey Creek Recovery Project	Riparian enclosure fencing and vegetation planting and thinning, instream structures, spring development & fencing [1995]	Whiskey Crk	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity
	ODF Union Co	placement of large woody material, 0.5 stream mi tr; log structure(s) - 44, 1.7 stream mi tr; riparian planting, 0.75 stream mi tr, 2 rip ac tr; thin riparian vegetation, 0.75 stream mi tr, 4 rip ac tr; spring water development(s) - 4; riparian exclusion fence - 1.5 mi, 0.75 stream mi tr, 18 rip ac tr	OWHP 49.8%, Private Ind/Bus 44.4%, ODF Union Co 5.8%	Photo Reference Points
<u>1006</u>	Burnt Corral Riparian	Riparian enclosure & pasture fencing, livestock water development [1995]	Burnt Corral Creek & East Burnt Corral Creek	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	La Grande RD	pond water development(s) - 2; riparian exclusion fence - 6 mi, 3 stream mi tr, 36 rip ac tr; riparian/upland cross fence - 0.75 mi, 1 stream mi ben, 400 rip/upl ac ben	La Grande RD 66.8%, OWHP 33.2%	Photo Reference Points, Vegetation Measures

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area

Selected for Projects with a Primary Year of Work greater than or equal to 1994

<small>GRMWP ID</small> ² <u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>	
<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Area</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>	
Upper Grande Ronde Steelhead Subarea: Upper Grande Ronde Chinook				
<u>1010</u>	Warm Spring Creek Off-Stream Water Development	Riparian enclosure fencing, livestock water development improvements [1995]	Warm Spring Creek	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	La Grande RD	spring water development(s) - 2 ; riparian/upland exclusion fence - 2 mi, 1 stream mi tr, 120 rip/upl ac tr	La Grande RD 51%, OWHP 49%	Photo Reference Points, Vegetation Measures
<u>1011</u>	La Grande High School - Five Points Creek Restoration	Education, survey, assessment, stream plantings and structures [1995]	Lower Five Points Creek, from mouth upstream 2.5 mi	Education, Instream Habitat Diversity, Streambank Stability, Survey, study, assessment, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity
	La Grande HS	placement of large woody material, 2.5 stream mi tr; streambank rock structure(s) - 3 ; streambank planting	La Grande HS 70.9%, OWHP 29.1%	Photo Reference Points
<u>1015</u>	Camp Carson Mine Reclamation	Mine stabilization and revegetation [1995]	Tanner Gulch Creek and mine 300 ft upland from creek	Spawning Habitat Protection, Water Quality - Sediment Reduction
	La Grande RD	upland planting, 6 stream mi ben, 5 upl ac tr; upland seeding, 6 stream mi ben, 5 upl ac tr; mine/dredge work, 5 upl ac tr	OWHP 40.9%, La Grande RD 40.9%, BPA 18.2%	Photo Reference Points, Water Quality Testing
<u>1016</u>	Dry Camas/Tower Unit Riparian Enclosure Fence	Riparian enclosure fence [1995]	Upper Fly, Umapine & Squaw Creeks	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	NF John Day RD	riparian/upland exclusion fence - 3.5 mi, 7 stream mi tr, 10240 rip/upl ac tr	NF John Day RD 49.7%, OWHP 34.2%, Allotment Permittee 16.1%	Water Quality Testing
<u>1018</u>	Starkey Cattlemen - Project 1	Instream structures, streambank stabilization, road obliteration [1994]	Warm Spring Creek & Grande Ronde R	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity
	OWHP	log structure(s) - 16 , 1.25 stream mi tr; place large woody material in riparian zone, 1.25 stream mi tr; riparian planting, 1.25 stream mi tr, 18 rip ac tr; road(s) obliterated - 0.75 mi	OWHP 71.3%, Private Ind/Bus 28.7%	Photo Reference Points, Vegetation Measures
<u>1025</u>	Grande Ronde River Fish Habitat	Instream placement of whole trees [1995]	Grande Ronde R from Fly Crk to 5115 bridge (Rm 184-188)	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction
	La Grande RD	placement of large woody material, 3.5 stream mi tr	OWHP 48.1%, La Grande RD 36%, BPA 15.9%	In Channel Habitat, Photo Reference Points, Water Quality Testing

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
<small>GRMWP</small> ² <u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>	
<small>ID</small>	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Upper Grande Ronde Steelhead				
Subarea: Upper Grande Ronde Chinook				
<u>1028</u>	Bear Creek Meadows Restoration	Instream structures, large woody material, streambank stabilization, riparian vegetation planting, livestock water developments [1996]	Upper Grande Ronde R & Bear Creek	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	OWHP	placement of large woody material, 0.24 stream mi tr; log structure(s) - 11 , 0.5 stream mi tr; streambank rock structure(s) - 2 , 0.2 stream mi tr; riparian planting, 0.82 stream mi tr, 3.25 rip ac tr; spring water development(s) - 2	OWHP 78.9%, Private Ind/Bus 21.1%	Photo Reference Points
<u>1031</u>	Starkey Cattlemen - Phase II	Crossfencing, livestock water developments, riparian tree planting, instream log weirs and rock barbs, streambank vegetation planting, gate for traffic control. [1995]	Upper Grande Ronde mainstem, Meadow & Warm Spring Creek	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	OWHP	log structure(s) - 12 , 0.75 stream mi tr; streambank rock structure(s) - 12 , 1 stream mi tr; streambank planting, 0.25 stream mi tr, 1 rip ac tr; riparian planting, 0.8 stream mi tr, 4.5 rip ac tr; stream crossing structure(s) modified - 1 ; spring water development(s) - 3 ; upland cross fence - 1.5 mi, 1 stream mi ben, 1000 upl ac ben	OWHP 69.8%, Private Ind/Bus 30.2%	Photo Reference Points, Vegetation Measures
<u>1039</u>	Foxhill Road Improvement	Relocate, elevate & resurface road, add culverts and headwalls [1995]	Upper 2.5 mi of Fox Hill Road, 2 mi north of La Grande, Bear & Haywire Canyon tributaries to Grande Ronde R	Water Quality - Sediment Reduction
	Union Co PW	road(s) improved - 2.5 mi	Union Co PW 74.7%, OWHP 18.2%, BPA 7%	Photo Reference Points
<u>1058</u>	Upper Grande Ronde Sediment Reduction - FS	Obliterate, close and waterbar sediment producing roads	Catherine Creek & Upper Grande Ronde watersheds	Water Quality - Sediment Reduction
	La Grande RD	road(s) closed, 9 mi; road(s) improved, 3 mi; road(s) obliterated, 5 mi	La Grande RD 64.3%, OWHP 35.7%	Photo Reference Points
<u>1067</u>	Whiskey Creek Road Rehabilitation	Improve road & install culvert [1995]	Whiskey Creek Road, around crossing of Little Whiskey Crk, near confluence of Little Whiskey Crk & Whiskey Crk	Water Quality - Sediment Reduction
	Union SWCD	road(s) improved - 0.08 mi; stream crossing structure(s) - 1	OWHP 81.3%, Private Ind/Bus 18.7%	Photo Reference Points

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
GRMWP ² ID	Project Name	Project Description and [Primary Year of Work]	Location	Objectives
	Lead Organization(s)	On the Ground Tasks for Population Are	Funding Source - % of Funding	Monitoring
Upper Grande Ronde Steelhead Subarea: Upper Grande Ronde Chinook				
<u>1069</u>	Forest Health Improvement - Tipperman	Non-commercial thinning [1995]	McCoy Crk watershed, ~2mi north of town of Starkey	Water Quality - Sediment Reduction, Water Quantity
	Union SWCD	thinning, 43 upl ac tr	OWHP 75.5%, Private Ind/Bus 24.5%	Photo Reference Points, Vegetation Measures
<u>1077</u>	Upper Grande Ronde Floodplain Rehabilitation	Campground & road obliteration & planting [1996]	Grande Ronde River, Sherwood & Woodley Campgrounds	Riparian Condition, Water Quality - Chemical, Water Quality - Sediment Reduction
	La Grande RD	road(s) obliterated - 0.76 mi; obliterate campground(s)/park, 20 rip ac tr	OWHP 46.4%, Powder R Corrections 32.1%, La Grande RD 21.4%	Photo Reference Points
<u>1082</u>	Bouvy Trust Water Development and Fencing	Cross fencing & livestock water developments [1995]	Grande Ronde R just west of La Grande	Water Quality - Sediment Reduction
	NRCS Union Co	upland cross fence - 1.2 mi, 1.2 stream mi ben, 1202 upl ac ben	OWHP 52.1%, Bouvy Tr 47.9%	Photo Reference Points
<u>1083</u>	Bear Creek/Hopp	Riparian enclosure & planting, large woody material, road improvements, livestock water developments [1998]	Bear Crk near town of Starkey	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	OWHP	placement of large woody material, 0.75 stream mi tr; riparian planting, 0.75 stream mi tr, 5 rip ac tr; road(s) improved; stream crossing structure(s) - 1 ; pond water development(s) - 2 ; spring water development(s) - 4 ; riparian exclusion fence - 1.5 mi, 0.75 stream mi tr, 13 rip ac tr	OWHP 68.3%, Private Ind/Bus 31.7%	Photo Reference Points
<u>1095</u>	Beaver Creek Riparian Fence	Riparian enclosure fence [1994]	Beaver Creek, upper 3.15 miles	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	ODFW	riparian exclusion fence - 6.2 mi, 3.1 stream mi tr, 70 rip ac tr	OWHP 73.8%, BPA 26.2%	Fish Population, Photo Reference Points, Vegetation Measures, Water Quality Testing

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Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
<small>GRMWP ID</small> ² <u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>	
<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>	
Upper Grande Ronde Steelhead				
Subarea: Upper Grande Ronde Chinook				
1099	Spring Creek Natural Resources Field Laboratory	Riparian enclosure fencing, riparian plantings, road closure, instream large woody material, educational trail construction, development of educational seminars [1995]	Spring Creek, SF Spring Creek, California Gulch (Oregon Trail Interpretive Park)	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	La Grande RD	placement of large woody material, 0.62 stream mi tr; riparian planting, 2.25 stream mi tr, 17 rip ac tr; road(s) obliterated - 0.25 mi; riparian exclusion fence - 1.25 mi, 0.62 stream mi tr, 30 rip ac tr; riparian/upland exclusion fence - 1.5 mi, 0.62 stream mi tr, 160 rip/upl ac tr	La Grande RD 66.5%, Misc 25.2%, GWEB 8.3%	Fish Population, In Channel Habitat, Vegetation Measures, Water Quality Testing, Water Quantity Testing
1103	Whiskey Creek Fire Rehabilitation	Tree planting on burned area [1995]	Little Whiskey Creek	Water Quality - Sediment Reduction, Wildlife Habitat Improvement
	Union SWCD	upland planting, 1 stream mi ben, 120 upl ac tr	GWEB 77.6%, Private Ind/Bus 22.4%	Photo Reference Points
1120	Beaver Creek - ODFW/BPA Fish Habitat/ Clark/Crown Pacific	Land/stream lease, riparian enclosure fencing, boulders, riprap, large woody material [1994]	Beaver Crk rm 0-6	Instream Habitat Diversity, Riparian Condition
	ODFW	placement of boulders, 0.1 stream mi tr; placement of large woody material, 0.1 stream mi tr; streambank rock treatment, 0.02 stream mi tr; riparian exclusion fence - 11.5 mi, 6 stream mi tr, 243.6 rip ac tr	BPA 100%	Photo Reference Points, Water Quality Testing
<u>1146</u>	Starkey Water Developments	Livestock water developments [1996]	Starkey Allotment inside Starkey Experimental Forest	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	La Grande RD	pond water development(s) - 2 ; spring water development(s) - 3	BPA 57.1%, La Grande RD 35.7%, Allotment Permittee 7.1%	Vegetation Measures
<u>1149</u>	Birdtrack Springs Noxious Weed Control	Herbicide & hand pulling of noxious weeds [1996]	Upper Grande Ronde River @ Birdtrack Springs area	Riparian Condition
	La Grande RD	noxious weed control, 1 stream mi tr, 40 rip ac tr	La Grande RD 56.5%, BPA 43.5%	Vegetation Measures
<u>1150</u>	Five Points Water Developments	Pond excavation [1996]	Five Pts Grazing Allotment	Streambank Stability, Water Quality - Temperature Improvement
	La Grande RD	pond water development(s) - 3 ; spring water development(s) - 1	BPA 71.4%, La Grande RD 21.4%, Allotment Permittee 7.1%	Vegetation Measures

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area

Selected for Projects with a Primary Year of Work greater than or equal to 1994

<small>GRMWP ID</small> ² <u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>	
<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>	
Upper Grande Ronde Steelhead Subarea: Upper Grande Ronde Chinook				
<u>1151</u>	Tybow Canyon Creek Wood Additions	Large woody debris additions [1996]	Tybow Canyon Creek	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction
	La Grande RD	placement of large woody material, 1.1 stream mi tr	La Grande RD 55.5%, BPA 44.5%	In Channel Habitat
<u>1152</u>	Upper Grande Ronde Dispersed Campsite Closures	Close & sign campsites in riparian areas [1996]	McCoy Creek, Sheep Creek, Grande Ronde River, Chicken Crk	Education, Riparian Condition, Spawning Habitat Protection
	La Grande RD	close campground(s)/park	La Grande RD 54.9%, BPA 45.1%	USFS Monitoring
<u>1153</u>	Chicken Creek Fence & Water Development	Riparian/upland enclosure fence & livestock water development [1997]	Chicken & West Chicken Creek, Sheep Ranch Allotment	Spawning Habitat Protection, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	La Grande RD	spring water development(s) - 1 ; riparian/upland exclusion fence - 4.25 mi, 6 stream mi tr, 2000 rip/upl ac tr	BPA 48.7%, La Grande RD 21.4%, Allotment Permittee 17.1%, CTUIR 12.8%	In Channel Habitat, Photo Reference Points, Vegetation Measures
<u>1156</u>	Streambank Restoration - Biomat	Erosion control mats, logs, large woody material, riparian planting, stream channel reconstruction [1996]	Lower Tanner Gulch, West Chicken Creek, Five Points Tributary, Last Chance Creek (tributary to Grande Ronde R), and South Fork Spring Creek	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	La Grande RD	placement of large woody material, 0.96 stream mi tr; restore historic channel, 0.04 stream mi tr; misc. channel work, 0.87 stream mi tr; misc. streambank treatment(s), 1.26 stream mi tr; riparian planting, 0.67 stream mi tr, 4 rip ac tr	La Grande RD 43.8%, BPA 26.2%, CTUIR 15.5%, Bring Back the Native 14.5%	In Channel Habitat, Photo Reference Points, Water Quality Testing
<u>1157</u>	S.F. Spring Creek Channel Rehabilitation	Stream channel re-creation, large woody material placement, erosion control matting [1996]	S.F. Spring Creek	Instream Habitat Diversity, Riparian Condition, Streambank Stability
	La Grande RD	placement of large woody material, 1.1 stream mi tr; misc. channel work, 1.1 stream mi tr; misc. streambank treatment(s), 1.1 stream mi tr	La Grande RD 75.9%, CTUIR 24.1%	In Channel Habitat, Photo Reference Points
<u>1166</u>	McCoy Riparian Fencing and Rangeland Enhancement	Riparian pasture, livestock water developments & riparian planting [1997]	McCoy Creek	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	NRCS Union Co	riparian planting, 3.5 stream mi tr, 21 rip ac tr; spring water development(s) - 2 ; riparian cross fence - 7 mi, 3.5 stream mi ben, 6080 rip ac ben	BPA 75.4%, Alta Cunha Ranches 20.3%, NRCS Union Co 4.3%	Photo Reference Points

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Salmonid Population Area

Selected for Projects with a Primary Year of Work greater than or equal to 1994

<u>GRMWP ID</u> ² <u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>
<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Upper Grande Ronde Steelhead			
Subarea: Upper Grande Ronde Chinook			
<u>1181</u> Bear Creek Riparian Fencing and Streambank Stabilization - Cunha	Riparian enclosure fence & planting [1997]	Bear Creek, rm 0.5	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
NRCS Union Co	riparian planting, 0.2 stream mi tr, 1 rip ac tr; riparian exclusion fence - 1 mi, 0.5 stream mi tr, 6 rip ac tr	GWEB 74.7%, Private Ind/Bus 25.3%	Photo Reference Points
<u>1239</u> Camp Carson Mine Slide Rehabilitation - USFS	Stabilize slide area and divert surface water [1997]	Tanner Gulch Crk, slide area upland from creek	Spawning Habitat Protection, Water Quality - Sediment Reduction
La Grande RD	mine/dredge work, 5 rip/upl ac tr	BPA 50.7%, La Grande RD 49.3%	USFS Monitoring
<u>1244</u> Five Points/Pelican Creek Watershed Improvements - FS	Large woody debris, livestock water developments, noxious weed control [1995]	Pelican Crk, Fowler Crk trib. to Pelican Crk, Nunamaker Crk trib. to Five Points Crk	Instream Habitat Diversity, Riparian Condition
La Grande RD	placement of large woody material, 1.25 stream mi tr; place large woody material in riparian zone, 0.5 stream mi tr; spring water development(s) - 4 ; upland noxious weed control, 0.25 stream mi ben, 10 upl ac tr	La Grande RD 77.1%, Allotment Permittee 22.9%	Vegetation Measures
<u>1247</u> Burnt Corral Creek Large Woody Debris - FS	Large Woody Debris [1995]	Burnt Corral Creek	Instream Habitat Diversity
La Grande RD	placement of large woody material, 3 stream mi tr	La Grande RD 100%	Photo Reference Points
<u>1261</u> Dark Canyon Division Fence & Livestock Water - FS	Division fence & spring reconstruction [1994]	Dark Canyon, Little Dark Canyon & McIntyre Creek	Riparian Condition
La Grande RD	spring water development(s) - 1 ; upland cross fence - 4 mi, 9 stream mi ben, 3000 upl ac ben	Allotment Permittee 52.2%, La Grande RD 47.8%	Vegetation Measures
<u>1265</u> Bally Springs Reconstruction - FS	Reconstruct Spring [1994]	Bally Springs near Bally Canyon	Riparian Condition
La Grande RD	spring water development(s) - 1	La Grande RD 100%	Vegetation Measures
<u>1267</u> Nesley Ditch Erosion Project	Irrigation infiltration system, streambank barbs & planting, boulder clusters [1996]	Grande Ronde River, upstream from Spruce St. Bridge	Fish Passage, Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction
NRCS	placement of boulders, 0.1 stream mi tr; irrigation diversion(s) - 1 ; streambank log structure(s) - 1 , 0.01 stream mi tr; streambank rock structure(s) - 7 , 0.1 stream mi tr; streambank planting, 0.1 stream mi tr	EWP 72%, BPA 26.4%, Nesley Ditch Irr Co 1.6%	Annual Project Assessment

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
<u>GRMWP ID</u> ²	<u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>
	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Upper Grande Ronde Steelhead				
Subarea: Upper Grande Ronde Chinook				
1282	Fly Creek Whole Tree Placement - FS	Instream placement of whole trees [1995]	Fly Crk	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction
	La Grande RD	placement of large woody material, 1.25 stream mi tr	La Grande RD 100%	Photo Reference Points
1288	Grande Ronde Enhancement Project/Marley Creek - DEQ/NRCS/Correa	Cross fencing, riparian pasture [1995]	Marley Creek	Riparian Condition, Water Quality - Sediment Reduction
	NRCS Union Co, Union SWCD	upland cross fence - 2.64 mi, 2.5 stream mi ben, 2300 upl ac ben	ODEQ 75%, Private Ind/Bus 25%	Photo Reference Points
1289	Grande Ronde Enhancement Project/Meadow Creek - DEQ/NRCS/Tsiatsos	Livestock water development & crossfencing [1995]	Meadow Creek	Riparian Condition
	NRCS Union Co	well water development(s) - 1 ; upland cross fence - 1.1 mi, 4 stream mi ben, 1280 upl ac ben	ODEQ 68.5%, Private Ind/Bus 31.5%	Photo Reference Points
1297	Grande Ronde Enhancement Project/McCoy/Meadow Crk - DEQ/NRCS/Tipperman	Riparian exclosure fence & planting, livestock water developments, grazing plan [1995]	McCoy Crk & Meadow Crk	Riparian Condition, Water Quality - Sediment Reduction
	NRCS Union Co	streambank planting, 0.5 stream mi tr, 2 rip ac tr; grazing system modification, 2290 upl ac ben; pond water development(s) - 2 ; riparian/upland exclusion fence - 2.32 mi, 1.5 stream mi tr, 70 rip/upl ac tr	ODEQ 75%, Private Ind/Bus 25%	Photo Reference Points
1310	1997 Camp One Restoration	Road obliteration/closure/improvement [1997]	Camp One Area - Lower Fivepoints Creek Watershed	Water Quality - Sediment Reduction
	La Grande RD	road(s) obliterated - 2.5 mi	BPA 51.4%, La Grande RD 48.6%	Water Quality Testing
1311	Upper Grande Ronde River Riparian Rehabilitation	Pre-commercial thinning of riparian/upland timber stands [1998]	Little Clear Crk, Meadow Crk, Waucup Crk, Upper/Little Fly, Limber Jim Crk, West Chicken Creek, Grande Ronde River, Sheep Crk, and Pelican Creek	Riparian Condition, Water Quality - Sediment Reduction
	La Grande RD	thin riparian vegetation, 0.5 stream mi tr, 21 rip ac tr; riparian/upland thinning, 5.37 stream mi tr, 431 rip/upl ac tr	La Grande RD 80.9%, BPA 19.1%	Photo Reference Points, Vegetation Measures

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	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Upper Grande Ronde Steelhead				
Subarea: Upper Grande Ronde Chinook				
<u>1312</u>	Upper Grande Ronde River & Sheep Creek Instream Structure Modifications	Instream placement of woody material & boulders, pool excavation, improve/remove existing structures, streambank stabilization & planting [1997]	Upper Grande Ronde R from Woodley Campground upstream 3mi, Sheep Crk from NFS boundary upstream 2.5mi	Instream Habitat Diversity, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity
	La Grande RD	placement of boulders, 1.3 stream mi tr; placement of large woody material, 1.3 stream mi tr; misc. channel work, 1.3 stream mi tr; streambank planting, 0.65 stream mi tr; misc. streambank treatment(s), 1.3 stream mi tr	La Grande RD 50.7%, BPA 49.3%	Fish Population, Photo Reference Points, Water Quality Testing, Water Quantity Testing
<u>1315</u>	Lower Five Points Off-Site Water Development	Livestock water development [1997]	Lower Five Points Creek near Hwy 84	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	La Grande RD	pond water development(s) - 1	La Grande RD 63.6%, BPA 36.4%	In Channel Habitat, Vegetation Measures, Water Quality Testing
<u>1316</u>	Off-Site Water Developments - La Grande Ranger District	Livestock water developments [1997]	Indian Crk & Five Points Creek	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	La Grande RD	spring water development(s) - 1	BPA 42.6%, La Grande RD 29.1%, Allotment Permittee 28.4%	In Channel Habitat, Photo Reference Points, Vegetation Measures, Water Quality Testing
<u>1317</u>	Sheep Ranch Riparian Project	Riparian enclosure fence improvements & new construction [1997]	East Sheep Creek, Sheep Creek, Fly Crk & tribs.	Spawning Habitat Protection, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	La Grande RD	riparian exclusion fence - 11 mi, 10 stream mi tr, 120 rip ac tr	BPA 44.2%, La Grande RD 37.8%, Allotment Permittee 18%	In Channel Habitat, Photo Reference Points, Vegetation Measures, Water Quality Testing
<u>1318</u>	Tybow Canyon Leafy Spurge Project	Noxious weed control [1997]	Tybow Canyon	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	La Grande RD	noxious weed control, 2.5 stream mi tr, 40 rip ac tr	BPA 47.6%, ODFW 28.6%, La Grande RD 23.8%	USFS Assessment Monitoring

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
<small>GRMWP</small> ² <u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>	
<small>ID</small>	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Upper Grande Ronde Steelhead				
Subarea: Upper Grande Ronde Chinook				
<u>1321</u>	Upper Grande Ronde River Riparian Fencing	Riparian enclosure fence (15 year lease), riparian planting, large woody debris, spring livestock water development. [1997]	Upper Grande Ronde River near Red Bridge State Park	Instream Habitat Diversity, Riparian Condition
	ODFW	placement of large woody material, 0.25 stream mi tr; riparian planting, 2.5 stream mi tr, 80 rip ac tr; spring water development(s) - 2 ; riparian exclusion fence - 5.1 mi, 5.2 stream mi tr, 180 rip ac tr	BPA 58.7%, ODFW 23.4%, Crown Pacific 16.1%, OPRD 1.8%	Photo Reference Points
<u>1328</u>	Grande Ronde River Gooderham/Rynearson Works of Improvement	Rock barbs, boulder clusters, streambank & riparian planting, riparian enclosure fence [1997]	Grande Ronde River, between Spruce St. & 2nd, just outside La Grande City Limits	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	Union SWCD	placement of boulders, 0.4 stream mi tr; streambank rock structure(s) - 4 , 0.4 stream mi tr; streambank planting, 0.1 stream mi tr; riparian planting, 0.19 stream mi tr, 1 rip ac tr; riparian exclusion fence - 0.19 mi, 0.19 stream mi tr, 1 rip ac tr	BPA 64.4%, Private Ind/Bus 18.1%, NRCS 13%, Union Co PW 4.6%	Photo Reference Points
<u>1329</u>	Grande Ronde/Nesley Ditch Irrigation Reorganization	Install pump/pipeline to complete infiltration gallery irrigation project, because infiltration gallery didn't function properly a diversion structure was constructed. [1999]	Grande Ronde River, ~rm 158 at Nesley Ditch diversion	Fish Passage, Streambank Stability, Water Quality - Sediment Reduction, Water Quantity
	Union SWCD	irrigation diversion(s) - 1	BPA 57.3%, Nesley Ditch Irr Co 39.3%, NRCS 3.4%	Annual Project Assessment
<u>1343</u>	1997 Whole Tree Project	Instream placement of whole trees and boulders [1997]	Grande Ronde River from FS 5115 road upstream to FS boundary	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction
	La Grande RD	placement of boulders, 3.7 stream mi tr; placement of large woody material, 3.7 stream mi tr	La Grande RD 46.6%, BPA 40%, CTUIR 13.3%	Fish Population, In Channel Habitat, Photo Reference Points, Water Quality Testing, Water Quantity Testing
<u>1346</u>	Little Dark Canyon Creek Project	Riparian enclosure fence, riparian zone large woody material, & cattleguard [1998]	Dark Canyon Creek subwatershed	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	La Grande RD	place large woody material in riparian zone, 0.17 stream mi tr; road(s) improved; riparian exclusion fence - 1 mi, 0.5 stream mi tr, 6 rip ac tr	La Grande RD 50.6%, BPA 41.5%, Allotment Permittee 7.9%	USFS Assessment Monitoring

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
GRMWP ² ID	Project Name	Project Description and [Primary Year of Work]	Location	Objectives
	Lead Organization(s)	On the Ground Tasks for Population Are	Funding Source - % of Funding	Monitoring
Upper Grande Ronde Steelhead Subarea: Upper Grande Ronde Chinook				
<u>1349</u>	Warm Spring Creek Riparian Improvement Project	Relocate riparian exclusion fence & add gates [1997]	Warm Spring Creek	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	La Grande RD	riparian exclusion fence - 1 mi, 2 stream mi tr, 120 rip ac tr	BPA 56%, La Grande RD 36%, Allotment Permittee 8%	In Channel Habitat, Vegetation Measures, Water Quality Testing
<u>1356</u>	Upper Grande Ronde Road Improvements - La Grande Ranger District 1997	Road obliteration and closure [1997]	South Fork Spring Creek, Dark Canyon, and Waucup Creek watersheds, plus an unnamed tributary to the Grande Ronde River just south of SF Spring Creek	Water Quality - Sediment Reduction
	La Grande RD	road(s) closed - 37.36 mi; road(s) obliterated - 27 mi	La Grande RD 100%	
<u>1368</u>	Birdtrack Springs/La Grande Rifle and Pistol Club Noxious Weed Treatment	Noxious weed control [1998]	Birdtrack Springs and La Grande Gun Club along the Grande Ronde River	Streambank Stability, Water Quality - Sediment Reduction
	La Grande RD	noxious weed control, 1.4 stream mi tr, 107 rip ac tr	GWEB 56.4%, La Grande RD 43.6%	Photo Reference Points
<u>1369</u>	Dark Canyon Creek Watershed Restoration Project	Instream placement of whole trees, rock vortex weirs, riparian planting, road obliteration, thin conifer stands in riparian zone and upslope [1999]	Dark Canyon Creek	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	La Grande RD	placement of large woody material, 3.5 stream mi tr; rock structure(s) - 4 , 1.75 stream mi tr; riparian planting, 1.5 stream mi tr, 2 rip ac tr; riparian seeding, 3 stream mi tr, 9 rip ac tr; road(s) obliterated - 2.98 mi; riparian/upland thinning, 3.5 stream mi tr, 321 rip/upl ac tr	La Grande RD 46.7%, BPA 32.7%, Natl Forest Fdn 20.6%	In Channel Habitat, Photo Reference Points, Vegetation Measures
<u>1370</u>	Five Points Creek Whole Tree Additions	Instream/floodplain placement of whole trees [1998]	Five Points Creek	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction
	La Grande RD	placement of large woody material, 4.5 stream mi tr	BPA 60.7%, La Grande RD 21.1%, NFWF 18.2%	In Channel Habitat, Photo Reference Points, Water Quality Testing, Water Quantity Testing

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	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Upper Grande Ronde Steelhead				
Subarea: Upper Grande Ronde Chinook				
<u>1371</u>	Sheep Creek Watershed Restoration Project	Livestock water developments, close livestock watering gaps in riparian fence, riparian planting, instream placement of large woody material, thin conifer stands bordering or containing stream channels [1999]	Sheep Creek and East Fork Sheep Creek	Instream Habitat Diversity, Spawning Habitat Protection, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	La Grande RD	placement of large woody material, 3.6 stream mi tr; riparian planting, 0.4 stream mi tr, 5 rip ac tr; riparian seeding, 0.4 stream mi tr, 5 rip ac tr; spring water development(s) - 2; riparian exclusion fence - 0.31 mi, 0.15 stream mi tr, 2 rip ac tr; riparian/upland thinning, 1 stream mi tr, 222 rip/upl ac tr	La Grande RD 48.7%, BPA 44.1%, TU 3.9%, Allotment Permittee 3.3%	In Channel Habitat, Photo Reference Points, Vegetation Measures
<u>1373</u>	Morgan Lake Road Improvement	Road improvements, raise and rock base top of road [1998]	Sheep Creek near Morgan Lake	Water Quality - Sediment Reduction
	Union Co PW	road(s) improved - 0.5 mi	Union Co PW 76.2%, GWEB 23.8%	Photo Reference Points
<u>1374</u>	Whiskey & Little Whiskey Creek/Courtney & Atkinson Road & Riparian Improvement	Road improvements, road rocking, culverts, outslope and install waterbars, instream placement of large woody material [1998]	Whiskey and Little Whiskey Creeks	Instream Habitat Diversity, Water Quality - Sediment Reduction
	ODF Union Co	placement of large woody material, 1.6 stream mi tr; road(s) improved - 1.8 mi	GWEB 56.4%, Private Ind/Bus 38.3%, ODFW 2.6%, ODF Union Co 2.6%	In Channel Habitat, Photo Reference Points
<u>1375</u>	Grande Ronde Mainstem Fish Habitat Enhancement Project - Phase I	Large woody material placement, rock weirs, veins, and barbs, gravel bar and streambank treatments, off-channel rearing area improvements, channel reconstruction, flood plain enhancement, riparian planting and noxious weed control [1999]	upper Grande Ronde River, from mouth of Bear Crk to Birdtrack Springs	Instream Habitat Diversity, Streambank Stability, Water Quality - Temperature Improvement
	La Grande RD, NRCS Union Co	placement of large woody material, 1.5 stream mi tr; rock structure(s) - 3, 1 stream mi tr; misc. channel work, 0.01 stream mi tr; placement of boulders in side channel(s)/pools; place large woody material in side channel(s)/pool(s); streambank rock structure(s) - 12, 0.5 stream mi tr; floodplain restoration, 0.1 stream mi tr, 1 rip ac tr; noxious weed control, 1 stream mi tr, 6 rip ac tr; riparian planting, 1 stream mi tr, 6 rip ac tr	BPA 40.3%, CTUIR 29.3%, La Grande RD 16.7%, NFWF 5.5%, NRCS Union Co 4.3%, ODFW 2.3%, Private Ind/Bus 1.5%	Fish Population, In Channel Habitat, Photo Reference Points
<u>1378</u>	Little Rock Creek Instream Structure Enhancement	Instream placement of large woody material [1998]	Little Rock Creek	Instream Habitat Diversity
	Union SWCD	placement of large woody material, 5.5 stream mi tr	Private Ind/Bus 56.5%, GWEB 38.8%, ODFW 2.3%, ODF Union Co 2.3%	In Channel Habitat, Photo Reference Points

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	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Upper Grande Ronde Steelhead				
Subarea: Upper Grande Ronde Chinook				
<u>1393</u>	McIntyre Creek Road Relocation - Phase I	Close drawbottom road, reconstruct ridge-top road (part of multi-phase project) [2001]	McIntyre Creek	Water Quality - Sediment Reduction
	La Grande RD	road(s) closed - 3.48 mi; road(s) improved - 4.67 mi	La Grande RD 61.2%, BPA 38.3%, Union Co 0.4%	In Channel Habitat, Photo Reference Points
<u>1394</u>	McCoy Meadows Phase I Restoration - CTUIR	Reintroduce stream to historic (pre-1977) channel, riparian planting [1997]	McCoy Creek at McCoy Meadows, upstream of McIntyre Road	Instream Habitat Diversity, Streambank Stability, Water Quality - Chemical, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	CTUIR	restore historic channel, 0.57 stream mi tr; riparian planting, 0.23 stream mi tr, 1 rip ac tr		Fish Population, In Channel Habitat, Photo Reference Points, Water Quality Testing
<u>1406</u>	Meadow Creek/Cunha Ranches Riparian Restoration	Riparian exclosure fence and planting/15 year lease, instream placement of large woody debris, whole trees, rock weirs, boulders, streambank bioengineering, remove old railroad grade and improve rock crossing. [1999]	Meadow Creek downstream of Starkey Experimental Forest	Instream Habitat Diversity, Riparian Condition, Streambank Stability, Water Quality - Temperature Improvement, Water Quantity
	ODFW	placement of boulders, 1.8 stream mi tr; placement of large woody material, 1.8 stream mi tr; rock structure(s) - 2 , 1.8 stream mi tr; construction of side channel(s)/pool(s); misc. streambank treatment(s), 0.05 stream mi tr; floodplain restoration, 0.4 stream mi tr; riparian planting, 1.8 stream mi tr, 70 rip ac tr; riparian seeding, 1.8 stream mi tr, 70 rip ac tr; stream crossing structure(s) modified - 1 ; riparian/upland exclusion fence - 3.51 mi, 1.8 stream mi tr, 150 rip/upl ac tr	BPA 30%, Alta Cunha Ranches 24.4%, ODFW 23.1%, CTUIR 21.1%, NRCS 1.5%	Fish Population, In Channel Habitat, Photo Reference Points, Water Quality Testing
<u>1407</u>	McIntyre Creek Road Relocation - Phase II	Obliterate drawbottom road, remove culverts and install rocked fords (part of multi-phase project) [2002]	McIntyre Creek	Fish Passage, Instream Habitat Diversity, Riparian Condition, Water Quality - Sediment Reduction
	La Grande RD	road(s) obliterated - 1 mi	La Grande RD 66.2%, ODEQ 24.5%, BPA 9.3%	In Channel Habitat, Photo Reference Points

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	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Upper Grande Ronde Steelhead				
Subarea: Upper Grande Ronde Chinook				
<u>1413</u>	Little Fly Meadow Headcut Rehabilitation	Reestablish groundwater and overbank flow into meadow by installing french drains, contour/stabilize/plant streambanks, install vortex rock weirs and wood structures [2000]	Little Fly Creek, @ crossing with 5160 road	Fish Passage, Riparian Condition, Streambank Stability, Water Quality - Sediment Reduction
	La Grande RD	log structure(s) - 2 , 0.2 stream mi tr; rock structure(s) - 4 , 0.2 stream mi tr; streambank planting, 0.2 stream mi tr; misc. streambank treatment(s), 0.02 stream mi tr; stream crossing structure(s) modified - 1	BPA 79.1%, La Grande RD 20.9%	In Channel Habitat, Photo Reference Points, Vegetation Measures, Water Quality Testing, Water Quantity Testing
1421	Beaver Creek Instream Structure Placements - ODF/Crown Pacific/Grizzly Mtn. Aviation	Instream placement of large logs [1998]	Beaver Creek, inside existing ODFW riparian enclosure	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction, Water Quantity
	ODF Union Co	placement of large woody material, 0.38 stream mi tr	Contractor 91.1%, ODF Union Co 8.9%	
1422	Beaver Creek Road Relocation - ODF/Crown Pacific	Relocate road out of riparian zone [1994]	Beaver Creek, within 1 mile of confluence with Grande Ronde	Riparian Condition, Streambank Stability, Water Quality - Sediment Reduction
	ODF Union Co	road(s) relocated - 0.23 mi	Crown Pacific 97.1%, ODF Union Co 2.9%	
1439	Union County 1998 Ditch Lining Projects - BOR	Line irrigation ditches to conserve water [1998]	Union County at Prescott Ditch (Catherine Crk), Nesley Ditch and Gekeler Ditch (Grande Ronde River)	Education, Water Quantity
	USBR	ditch/canal work, 0.06 mi	USBR 87%, All Ditch Assoc 13%	
1445	Beaver Creek - Bridge & Ford Replacement & Road Rocking - USFS/City of La Grande	Replace concrete ford and wooden bridge with a large pipe arch culvert, rock road [1998]	Beaver Creek, on road to La Grande Reservoir	Fish Passage, Water Quality - Sediment Reduction
	City of La Grande, La Grande RD	road(s) improved - 0.65 mi; road(s) obliterated - 0.08 mi; stream crossing structure(s) - 1	La Grande RD 50.4%, City of La Grande 49.6%	
1457	Rock Creek Riparian Fence - ODFW/Walker	Riparian enclosure fence [1998]	Rock Creek	Riparian Condition
	ODFW	riparian exclusion fence - 1 mi, 1 stream mi tr, 12 rip ac tr	Private Ind/Bus 75.2%, ODFW 24.8%	

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	Lead Organization(s)	On the Ground Tasks for Population Are	Funding Source - % of Funding	Monitoring
Upper Grande Ronde Steelhead				
Subarea: Upper Grande Ronde Chinook				
<u>1477</u>	Chicken-Dry Creek Wet Meadow Restoration	Wet meadow restoration, raise water table with log grade control structures, road obliteration, thin overstocked conifer stands. [2000]	Chicken Creek, Dry Creek	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity
	La Grande RD	log structure(s) - 25 , 2 stream mi tr; restore wet meadow, 2 stream mi tr, 12 rip ac tr; road(s) obliterated - 1.3 mi; riparian/upland thinning, 5 stream mi tr, 481 rip/upl ac tr	La Grande RD 38%, NFWF 31.3%, BPA 24.3%, ODEQ 2.1%, ODA 2.1%, Union SWCD 2.1%	In Channel Habitat, Photo Reference Points, Vegetation Measures, Water Quality Testing
<u>1480</u>	Five Points Subwatershed Restoration Project	Instream placement of large woody material, road obliteration, livestock driveway fence and water development [2000]	Nunamaker Creek, Little John Day Creek, Fiddlers Hell	Riparian Condition, Streambank Stability, Water Quality - Sediment Reduction
	La Grande RD	placement of large woody material, 1.4 stream mi tr; road(s) obliterated - 1 mi; spring water development(s) - 1 ; upland cross fence - 1 mi, 1.4 stream mi ben	BPA 51.8%, La Grande RD 39.3%, Allotment Permittee 8.9%	In Channel Habitat, Photo Reference Points, Vegetation Measures
<u>1481</u>	Fly Creek Watershed Enhancement Project	Riparian pasture fence, spring protection and livestock water developments [2000]	upper Fly Creek and tributary	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	La Grande RD	spring water development(s) - 4 ; riparian/upland cross fence - 1 mi, 0.75 stream mi ben, 300 rip/upl ac ben	BPA 44%, La Grande RD 42%, Allotment Permittee 14%	Photo Reference Points, Vegetation Measures
<u>1483</u>	Grande Ronde Basin Instream Structure Enhancement	Block grant to fund use of trakhoe or track mounted log loader for instream placement of large woody material and/or boulders. [1999]	Eaton Creek, Ladd Canyon tributary, McCoy Creek, Milk Creek	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction
	ODF Union Co, ODFW, Private Ind/Bus	placement of large woody material, 2.11 stream mi tr; rock structure(s), 0.95 stream mi tr	OWEB 28.5%, GWEB 22.2%, Private Ind/Bus 20.2%, EOARC 9.9%, Boothman Ranch 7.4%, ODFW 4.7%, ODF Union Co 4.7%, Alta Cunha Ranches 2.5%	Photo Reference Points
<u>1499</u>	Upper McCoy Creek Watershed Restoration	Large woody material placement, rock grade control structures, riparian enclosure fence, riparian/upland planting, recontour road [2000]	McCoy Creek	Instream Habitat Diversity, Spawning Habitat Protection, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity
	La Grande RD	placement of large woody material, 2.25 stream mi tr; rock structure(s) - 7 , 0.5 stream mi tr; road(s) obliterated - 2 mi; riparian exclusion fence - 2 mi, 1.6 stream mi tr, 19 rip ac tr; riparian/upland planting, 71 rip/upl ac tr	La Grande RD 66.8%, BPA 22.2%, GRF Plant a Tree Fdn 11%	In Channel Habitat, Photo Reference Points, Water Quality Testing, Water Quantity Testing

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	Lead Organization(s)	On the Ground Tasks for Population Are	Funding Source - % of Funding	Monitoring
Upper Grande Ronde Steelhead				
Subarea: Upper Grande Ronde Chinook				
1508	Bruce Ryneerson/Dobbin Ditch	Ditch fence, plantings and bank stabilization. [2000]	Dobbin Ditch	Streambank Stability, Water Quality - Sediment Reduction
	NRCS Union Co, ODFW, Union SWCD	riparian planting, 4.5 rip ac tr; ditch/canal work; ditch cross fence - 0.5 mi	OWEB 62.7%, Private Ind/Bus 19.3%, NRCS Union Co 9%, BPA 5.4%, Union SWCD 3.6%	Photo Reference Points
1515	Eaton Creek - ODFW/BPA/ODF Fish Habitat/Sunderman	Land/Stream lease, riparian/upland exclosure fence [1999]	Eaton Creek, tributary to Tie Creek/Five Points Creek	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	ODFW	riparian/upland exclosure fence - 0.5 mi, 0.5 stream mi tr, 160 rip/upl ac tr	Private Ind/Bus 57.7%, BPA 42.3%	Photo Reference Points
1529	Upper Grande Ronde Healthy Forested Watersheds	Develop stewardship plans, precommercial thin overstocked forest stands, plant understocked forest stands [2000]	Private lands Union Co., McCoy, Bear Canyon, Sheep, Frizzell, Potters, Jordan, Rock, Slide, Phillips, Duncan Canyon Creeks	Water Quality - Overall, Water Quantity
	ODF Union Co	upland planting, 0.25 stream mi ben, 63 upl ac tr; thinning, 1.6 stream mi ben, 113 upl ac tr	OWEB 62.1%, Private Ind/Bus 30.3%, ODF Union Co 7.6%	Photo Reference Points
<u>1540</u>	Beaver Creek Watershed Enhancement Project	Construct fish passage structure at reservoir dam. Replace culverts at bridge crossing with bottomless pipe arch culvert. Place boulders to create step pools at structure and culvert. Construct exclusion fence along watershed divide. [2002]	Beaver Creek Watershed	Fish Passage, Riparian Condition
	La Grande PW, La Grande RD	rock structure(s) - 4 , 0.02 stream mi tr; fish passage ladder(s) @ dam - 1 , 14 stream mi made accessible to fish; stream crossing structure(s) - 1 , 5 stream mi made accessible to fish; upland exclosure fence - 3 mi, 14 stream mi ben	La Grande RD 42%, BPA 40.7%, La Grande PW 13.7%, Allotment Permittee 3.6%	Fish Population, Photo Reference Points, Water Quality Testing, Water Quantity Testing
<u>1542</u>	Culvert Replacements	Replace/install culverts [2001]	Limber Jim Crk, EF Sheep Crk, Waucup Crk, NF Clark Crk, and Scout Crk	Fish Passage, Water Quality - Sediment Reduction
	La Grande RD	stream crossing structure(s) - 3 , 19.5 stream mi made accessible to fish	BPA 54%, La Grande RD 46%	Annual Site Inspection, USFS Monitoring
<u>1545</u>	Grande Ronde River Fencing Project	Riparian protection livestock drift fence, draw bottom/mid-slope road obliteration/recontour [2001]	Upper Grande Ronde River, Dry beaver Creek and unnamed tributaries of the Grande Ronde R	Riparian Condition, Spawning Habitat Protection, Streambank Stability, Water Quality - Sediment Reduction
	La Grande RD	road(s) obliterated - 11.3 mi; upland cross fence - 2 mi, 2 stream mi ben, 320 rip/upl ac ben; riparian/upland seeding, 3 stream mi tr, 34 rip/upl ac tr	La Grande RD 55%, BPA 41.4%, Allotment Permittee 3.7%	Vegetation Measures

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
GRMWP ² ID	Project Name	Project Description and [Primary Year of Work]	Location	Objectives
	Lead Organization(s)	On the Ground Tasks for Population Area	Funding Source - % of Funding	Monitoring
Upper Grande Ronde Steelhead Subarea: Upper Grande Ronde Chinook				
<u>1546</u>	Grande Ronde Mainstem Fish Habitat Enhancement Project (Cunha Ranch Reach) - Phase II	Large woody material placement, rock weirs, vanes, and barbs, gravel bar and streambank treatments, off-channel rearing area improvements, channel reconstruction, riparian planting, road closures [2002]	Upper Grande Ronde R. along alluvial fans of Bear and Jordan Creeks (downstream from Phase I)	Instream Habitat Diversity, Riparian Condition, Streambank Stability, Water Quality - Sediment Reduction
	CTUIR	placement of large woody material, 1.5 stream mi tr; rock structure(s) - 3 , 1 stream mi tr; misc. channel work, 0.22 stream mi tr; place large woody material in side channel(s)/pool(s); streambank log structure(s) - 54 , 0.5 stream mi tr; streambank rock structure(s) - 14 , 1 stream mi tr; riparian planting, 1.5 stream mi tr, 80 rip ac tr; road(s) closed - 7 mi	BPA 47.8%, La Grande RD 30.9%, CTUIR 11%, NRCS Union Co 6.1%, ODFW 3.2%, Private Ind/Bus 1%	Fish Population, In Channel Habitat, Photo Reference Points
<u>1550</u>	Meadow Creek/Haberstad Fish Habitat Enhancement Project	Riparian planting, material placement, remove old railroad grade from floodplain, instream large woody [2000]	Meadow Creek	Instream Habitat Diversity, Riparian Condition, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity
	ODFW	placement of boulders, 1.1 stream mi tr; placement of large woody material, 1.1 stream mi tr; rock structure(s) - 3 , 0.01 stream mi tr; streambank log structure(s) - 1 , 0.01 stream mi tr; floodplain restoration, 0.06 stream mi tr; riparian planting, 1.1 stream mi tr, 12 rip ac tr; riparian seeding, 1.1 stream mi tr, 12 rip ac tr; stream crossing structure(s) - 1	BPA 71.1%, ODFW 28.9%	In Channel Habitat, Photo Reference Points
<u>1551</u>	McCoy Meadows Meadow Restoration Project - Phase II	Channel relocation/meadow restoration, streambank planting/bioengineering, bridge construction, culvert upgrade, relocate riparian corridor fence to boundary of Wetland Reserve Program (WRP) easement. [2001]	McCoy Creek at McCoy Meadows, Meadow Creek	Fish Passage, Instream Habitat Diversity, Riparian Condition, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity
	CTUIR, ODFW	restore historic channel, 1.63 stream mi tr; streambank log structure(s) - 12 , 1.63 stream mi tr; streambank planting, 1.63 stream mi tr; stream crossing structure(s) - 2 ; wet meadow enclosure fence, 3 stream mi tr, 300 rip/upl ac tr	CTUIR 34.2%, BPA 24.8%, NRCS 14%, ODEQ 10.2%, USFWS 7.3%, Union Co PW 4.9%, DU 2.4%, ODFW 2.1%	Fish Population, In Channel Habitat, Photo Reference Points, Vegetation Measures, Water Quality Testing, Water Quantity Testing
<u>1552</u>	McIntyre Creek Road Relocation - Phase II-B	Obliterate drawbottom road, reconstruct/improve road to replace obliterated road, replace riparian pasture enclosure fence (part of multi-phase project) [2002]	McIntyre Creek	Riparian Condition, Water Quality - Sediment Reduction
	La Grande RD, Union Co	road(s) improved - 2.08 mi; road(s) obliterated - 2.3 mi; riparian/upland exclusion fence - 3.5 mi, 3.5 stream mi tr, 42 rip/upl ac tr	La Grande RD 74%, BPA 24.4%, Alta Cunha Ranches (Perm) 1.6%	Photo Reference Points

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
<small>GRMWP</small> ² <u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>	
<small>ID</small>	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Upper Grande Ronde Steelhead				
Subarea: Upper Grande Ronde Chinook				
<u>1553</u>	McCoy Creek/Cunha Ranches Riparian Restoration	Riparian plantings, instream placement of large woody material, remove old railroad grade and restore floodplain. [2001]	McCoy Creek	Instream Habitat Diversity, Riparian Condition, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity
	CTUIR, ODFW	placement of large woody material, 2.2 stream mi tr; floodplain restoration, 0.22 stream mi tr, 1.04 rip ac tr; riparian planting, 0.3 stream mi tr, 6.9 rip ac tr	CTUIR 78.8%, ODFW 21.2%	
<u>1554</u>	Meadow Creek Riparian Pasture Fence	Riparian pasture fence. [2001]	Meadow Creek	Spawning Habitat Protection, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	La Grande RD	riparian/upland cross fence - 4.5 mi, 6.25 stream mi ben, 1672 rip/upl ac ben	La Grande RD 48.8%, BPA 48.4%, Starkey Assoc Permittees 2.7%	In Channel Habitat, Vegetation Measures
<u>1556</u>	Pelican Creek Improvement Crossing	Replace bridge [2001]	Pelican Creek, just upstream from confluence with Five Points Creek	Fish Passage, Water Quality - Sediment Reduction
	Union Co PW	stream crossing structure(s) - 1	Union Co PW 60.1%, BPA 39.9%	Photo Reference Points
<u>1561</u>	Snow-McIntyre Creek Road Relocation and Restoration	Relocate road away from stream, close road access points and place large woody material and boulders in drainages above the closed access points. [2001]	McIntyre Creek	Instream Habitat Diversity, Water Quality - Sediment Reduction
	ODF Union Co	placement of boulders, 0.57 stream mi tr; placement of large woody material, 0.57 stream mi tr; road(s) closed - 0.01 mi; road(s) relocated - 0.88 mi	OWEB 60.9%, Private Ind/Bus 24.5%, USFS 11.1%, ODF Union Co 3.5%	Photo Reference Points
<u>1575</u>	Spring and Pond Developments	Livestock water developments [2001]	Five Points Creek, Ladd Canyon, Rock Creek, Minam River, Grande Ronde River	Riparian Condition, Water Quality - Overall
	NRCS Union Co	spring water development(s) - 6	OWEB 52.3%, Private Ind/Bus 38.4%, NRCS Union Co 3.7%, Union SWCD 3.1%, BPA 2.5%	Photo Reference Points
<u>1593</u>	2001 La Grande Off-Site Water Developments	Increase holding capacity of existing stock ponds and build spring fed livestock water developments [2001]	Upper Grande Ronde (Spring & Marley Creeks) & Catherine Creek (SF Catherine Crk) watersheds	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	La Grande RD	pond water development(s) - 21	BPA 50.5%, La Grande RD 33.7%, Allotment Permittee 15.8%	Annual Project Assessment

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area

Selected for Projects with a Primary Year of Work greater than or equal to 1994

<small>GRMWP</small> ² <u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>
<small>ID</small>	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>
<u>Monitoring</u>			
Upper Grande Ronde Steelhead			
Subarea: Upper Grande Ronde Chinook			
<u>1597</u>	McCoy/Dark Canyon Off-Site Water Developments	Livestock water developments [2001]	McCoy & Dark Canyon Creek on the Dark Ensign Allotment
	La Grande RD	spring water development(s) - 5	La Grande RD 42.3%, BPA 28.9%, Allotment Permittee 28.8%
			Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement Vegetation Measures
<u>1600</u>	Meadow and Peet Creeks Watershed Restoration	Instream large woody material, protect/restore wet meadow, road obliteration, riparian exclosure cages (research) [2001]	Middle and Upper Meadow Creek subwatersheds
	La Grande RD	placement of large woody material, 3.5 stream mi tr; restore wet meadow, 40 rip ac tr; road(s) obliterated - 1.8 mi; riparian exclusion fence	La Grande RD 50.1%, BPA 49.9%
			Instream Habitat Diversity, Riparian Condition, Streambank Stability, Survey, study, assessment, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity In Channel Habitat, Photo Reference Points
<u>1612</u>	Dark Canyon Riparian Exclosure	Riparian exclosure fencing [2002]	Dark Canyon and Meadow Creeks
	BLM	riparian exclusion fence - 1.25 mi, 0.4 stream mi tr, 6.5 rip ac tr	BLM 58%, BPA 42%
			Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement Photo Reference Points
<u>1616</u>	Longley Meadow Restoration - Bear and Jordan Creeks, Phase 1 & 2	Conservation easements (BPA & CREP), stream channel reconstruction, riparian exclosure fence and plantings, large woody material placement [2004]	Upper Grande Ronde R. along alluvial fans of Bear and Jordan Creeks
	CTUIR, FSA, NRCS Union Co, ODFW	placement of large woody material, 2 stream mi tr; restore historic channel, 0.85 stream mi tr; riparian planting, 1 stream mi tr, 12 rip ac tr; CREP, 3.21 stream mi tr, 216 rip ac tr; riparian exclusion fence - 9.6 mi, 4.25 stream mi tr, 284 rip ac tr	BPA 54.8%, FSA 14.7%, CTUIR 9.3%, ODFW 9.2%, Alta Cunha Ranches 6.4%, ODOT 3.8%, NRCS Union Co 1.9%
			Fish Passage, Instream Habitat Diversity, Spawning Habitat Protection, Streambank Stability, Water Quality - Temperature Improvement, Water Quantity In Channel Habitat, Photo Reference Points, Vegetation Measures
<u>1617</u>	McIntyre Creek Road Obliteration & Stream Restoration	Obliterate roads, reconstruct road segments to provide access to new ridgetop roads, instream placement of large woody material, riparian exclosure fence, riparian pasture fence, riparian planting/seeding [2003]	McIntyre Creek
	La Grande RD	restore historic channel; misc. channel work; riparian planting, 7 rip ac tr; riparian seeding, 5.72 stream mi tr, 36 rip ac tr; road(s) built - 0.85 mi; road(s) obliterated - 7.22 mi; riparian exclusion fence - 2.25 mi, 2.25 stream mi tr, 25 rip ac tr; riparian/upland cross fence - 0.75 mi, 0.3 stream mi ben, 160 rip/upl ac ben	La Grande RD 55.7%, BPA 33.3%, ODF Union Co 5%, Union Co PW 4.3%, Allotment Permittee 1.7%
			Fish Passage, Instream Habitat Diversity, Riparian Condition, Streambank Stability, Water Quality - Sediment Reduction, Water Quantity In Channel Habitat, Photo Reference Points

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Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
<u>GRMWP ID</u> ²	<u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>
	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Upper Grande Ronde Steelhead				
Subarea: Upper Grande Ronde Chinook				
<u>1618</u>	Meadow Creek Watershed Enhancement Project	Riparian enclosure fence, livestock water developments, construct livestock trail, replace culvert [2002]	Meadow Creek watershed, Meadow, Campbell and Bear Creeks	Riparian Condition, Water Quality - Sediment Reduction
	La Grande RD	stream crossing structure(s) modified - 1 ; misc. modifications to livestock management, 1 stream mi ben, 12 rip ac ben; spring water development(s) - 2 ; riparian exclusion fence - 1.5 mi, 0.75 stream mi tr, 9 rip ac tr	La Grande RD 49.3%, BPA 37.7%, Allotment Permittee 13%	Photo Reference Points
<u>1635</u>	Marley Creek Fencing and Spring Development	Riparian enclosure fence, cross fencing, livestock water developments [2002]	Marley Creek	Streambank Stability, Water Quality - Chemical, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Wildlife Habitat Improvement
	Union SWCD	spring water development(s) - 8 ; riparian exclusion fence - 1.32 mi, 0.67 stream mi tr, 12 rip ac tr; riparian/upland cross fence - 1.13 mi, 0.67 stream mi ben, 225 rip/upl ac ben	OWEB 68%, Private Ind/Bus 31.8%, Union SWCD 0.2%	Photo Reference Points
Upper Grande Ronde Steelhead				
Subarea: Lookingglass Creek Chinook (extinct)				
<u>1017</u>	Jarboe & Brock Meadows Restoration	Culvert removal, road closure and improvements, prescribed burn of meadow, vegetation inventory [1995]	Jarboe Creek and Brock Meadows	Upland Habitat Improvement, Water Quality - Sediment Reduction
	Walla Walla RD	wet meadow prescribed burn, 60 rip/upl ac tr; road(s) closed - 4.4 mi; road(s) improved - 1.02 mi; stream crossing structure(s) obliterated - 3 ; misc upland vegetation management, 2 upl ac tr	Walla Walla RD 52%, OWHP 48%	In Channel Habitat, Photo Reference Points, Vegetation Measures
<u>1279</u>	Walla Walla RD Road Obliteration - FS	Road obliteration [1995]	Lookingglass, Phillips, Willow Crk, Grande Ronde/Rondowa, and Grande Ronde/Cabin Creek Watersheds	Water Quality - Sediment Reduction
	Walla Walla RD	road(s) obliterated - 22.7 mi	Walla Walla RD 100%	
<u>1294</u>	Lookingglass Creek Streambank Stabilization - EWP/Nielson	Stabilize streambanks to prevent flooding into pond and inadvertent introduction of brook trout [1996]	Lookingglass Crk, ~rm 5.5	Instream Habitat Diversity, Streambank Stability
	NRCS Union Co	log structure(s) - 1 , 0.01 stream mi tr; misc. channel work, 0.01 stream mi tr; streambank rock structure(s) - 6 , 0.2 stream mi tr		Photo Reference Points

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
GRMWP ² ID	Project Name	Project Description and [Primary Year of Work]	Location	Objectives
	Lead Organization(s)	On the Ground Tasks for Population Are	Funding Source - % of Funding	Monitoring
Upper Grande Ronde Steelhead				
Subarea: Lookingglass Creek Chinook (extinct)				
1357	Walla Walla Ranger District Road Obliteration & Culvert Removal	Road obliteration and culvert removal [1997]	Phillips Creek & Little Lookingglass watersheds	Water Quality - Sediment Reduction
	Walla Walla RD	road(s) obliterated - 6 mi	Walla Walla RD 100%	
1414	Lookingglass Creek Road Obliteration	Obliterate and stabilize roads [1999]	Lookingglass Creek subwatershed	Water Quality - Sediment Reduction
	Walla Walla RD	road(s) improved - 4.2 mi; road(s) obliterated - 5.5 mi	Walla Walla RD 51.6%, BPA 48.4%	Photo Reference Points
Upper Grande Ronde Steelhead				
Subarea: Middle Mainstem Grande Ronde				
1007	North Fork Clark Creek Off- Stream Water Development	Large woody debris placement, livestock water development, cross fencing [1995]	North Fork Clark Creek	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	La Grande RD	place large woody material in riparian zone, 0.25 stream mi tr; spring water development(s) - 1 ; upland cross fence - 0.75 mi, 3 stream mi ben, 3000 upl ac ben	La Grande RD 51.6%, OWHP 48.4%	Photo Reference Points, Vegetation Measures
1027	North Clark Creek Riparian Exclosure	Riparian exclosure fence [1995]	North Fork Clark Creek drainage	Riparian Condition, Upland Habitat Improvement
	Boise Cascade	grazing system modification, 2 stream mi ben, 2100 upl ac ben; riparian exclosure fence - 4 mi, 2 stream mi tr, 24 rip ac tr	Lease Holder 42.6%, OWHP 38.2%, Boise Cascade 19.2%	Photo Reference Points, Vegetation Measures
1053	Howell Erosion Control	Construct upland water control structure to reduce erosion [1996]	Willow Creek, 2mi above confluence with Grande Ronde	Water Quality - Sediment Reduction
	NRCS Union Co	control erosion, 0.1 stream mi ben	OWHP 54.6%, Private Ind/Bus 45.4%	Photo Reference Points
1075	Elgin Site, Grande Ronde River Bank Stabilization	Streambank riprap, revegetation & log revetment [1995]	Grande Ronde R side channel, NE of Elgin	Streambank Stability, Water Quality - Sediment Reduction
	Union SWCD	streambank rock treatment, 0.02 stream mi tr; streambank log structure(s) - 1 , 0.01 stream mi tr; streambank planting, 0.01 stream mi tr; streambank seeding, 0.01 stream mi tr	OWHP 73.3%, Private Ind/Bus 26.7%	Photo Reference Points

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<u>GRMWP ID</u> ²	<u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>
	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Area</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Upper Grande Ronde Steelhead				
Subarea: Middle Mainstem Grande Ronde				
<u>1094</u>	Mt. Harris Weed Control	Noxious weed control & seeding of perennial grasses [1996]	West facing slopes of Mt. Harris	Upland Habitat Improvement, Water Quality - Sediment Reduction
	Union Co NWC	upland noxious weed control, 6500 upl ac tr; upland seeding, 750 upl ac tr	OWHP 60.8%, ODFW 22%, Private Ind/Bus 13.9%, Union Co NWC 3.3%	Photo Reference Points, Vegetation Measures
<u>1109</u>	Minam/Mt. Harris Road Improvement	Road drainage structures, rocking & road closures [1996]	Minam and Mt. Harris Management Units (BCC)	Water Quality - Sediment Reduction
	Boise Cascade	road(s) improved - 7.5 mi	BPA 66.7%, Boise Cascade 33.3%	Annual Site Inspection
<u>1154</u>	N.F. Clark Creek LWD Addition	Large woody material, pool excavation, & culvert repositioning [1996]	NF Clark Creek	Fish Passage, Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction
	La Grande RD	placement of large woody material, 1.5 stream mi tr; misc. channel work, 1.5 stream mi tr; stream crossing structure(s) modified - 1	La Grande RD 80.5%, CTUIR 19.5%	Photo Reference Points
<u>1159</u>	Irrigation Infiltration Gallery on Grande Ronde at Elgin	Irrigation diversion improvements & demonstration of infiltration gallery method [1996]	Grande Ronde River near Elgin	Education, Water Quality - Sediment Reduction
	NRCS Union Co	irrigation diversion(s) - 1	BPA 89.1%, Private Ind/Bus 10.9%	
<u>1160</u>	Bingaman Dike Placement and Bank Shaping	Relocate dike, create & plant floodplain/wetland area, shape & vegetate cut bank [1996]	Grande Ronde River ~ 2 mi south of Imbler	Streambank Stability, Water Quality - Sediment Reduction, Wildlife Habitat Improvement
	NRCS Union Co	streambank planting, 0.1 stream mi tr; misc. streambank treatment(s), 0.1 stream mi tr; floodplain restoration, 0.3 stream mi tr, 4 rip ac tr; riparian planting, 0.3 stream mi tr, 4 rip ac tr; riparian seeding, 0.3 stream mi tr, 4 rip ac tr	Private Ind/Bus 57.5%, BPA 42.5%	Photo Reference Points
<u>1163</u>	Grande Ronde River Streambank Stabilization	Rock barbs, riparian exclusion fence & planting [1996]	Grande Ronde River, south of bridge at Elgin	Instream Habitat Diversity, Streambank Stability, Water Quality - Chemical, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	FSA, NRCS Union Co	streambank rock structure(s) - 5 , 0.09 stream mi tr; riparian planting, 0.09 stream mi tr, 0.5 rip ac tr; riparian exclusion fence - 0.09 mi, 0.09 stream mi tr, 0.5 rip ac tr	BPA 60.5%, Private Ind/Bus 19.9%, FSA 19.6%	

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Salmonid Population Area

Selected for Projects with a Primary Year of Work greater than or equal to 1994

<u>GRMWP ID</u> ²	<u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>
<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Area</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>	
Upper Grande Ronde Steelhead Subarea: Middle Mainstem Grande Ronde				
<u>1167</u>	Mt. Harris Watershed Improvement	Division/riparian drift fence & livestock water developments [1996]	Indian Creek, Little Indian Creek, Shaw Creek, Clark Creek, MF Clark Creek	Riparian Condition
	Boise Cascade	upland cross fence - 6 mi, 22 stream mi ben, 23040 upl ac ben	Boise Cascade 63.1%, BPA 36.9%	Vegetation Measures
<u>1173</u>	North Fork Clark Creek Road Repair/Improvement	Repair or reconstruct road, replace washed out culverts, develop ditches [1997]	North Fork Clark Creek	Water Quality - Sediment Reduction
	Union Co PW	road(s) improved - 4.75 mi; stream crossing structure(s) - 3	FEMA 39%, BPA 27.7%, Union Co PW 24.8%, Boise Cascade 8.4%	Annual Site Inspection
<u>1174</u>	Cabin Creek Crossing and Road Improvement	Resurface, build up subgrade, install culverts (1 as stream crossing), develop ditches [1997]	Cabin Creek	Water Quality - Sediment Reduction
	Union Co PW	road(s) improved - 1.5 mi; stream crossing structure(s) - 1	BPA 40.9%, Union Co PW 33%, Boise Cascade 26.1%	Annual Site Inspection
<u>1175</u>	Pumpkin Ridge Road Improvement	Build up road subgrade & surface, develop ditches [1997]	Pumpkin Ridge near Elgin	Spawning Habitat Protection, Water Quality - Sediment Reduction
	Union Co PW	road(s) improved - 2 mi	Boise Cascade 37.8%, Union Co PW 32.8%, BPA 29.4%	Annual Site Inspection
<u>1176</u>	Rysdam Canyon Bridge Replacement	Install I-beam bridge [1996]	Rysdam Canyon ~2mi above confluence with Grande Ronde R	Riparian Condition, Water Quality - Sediment Reduction
	ODF Union Co	stream crossing structure(s) - 1	BPA 50.6%, Private Ind/Bus 49.4%	Annual Site Inspection
1272	Clark Creek Streambank - NRCS/Culver	Streambank rock barbs & planting [1996]	Clark Creek .5mi upstream of Grande Ronde River confluence	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction
	FSA, NRCS Union Co	streambank rock structure(s) - 3 , 0.04 stream mi tr; streambank planting, 0.04 stream mi tr, 0.1 rip ac tr; streambank seeding, 0.04 stream mi tr	Private Ind/Bus 50%, FSA 50%	
1275	Phillips Creek Channel Reconstruction - NRCS/EWP	Streambank barbs & planting, gravel bar removal [1996]	Phillips Creek, south of Elgin	Streambank Stability
	NRCS Union Co	misc. channel work, 0.25 stream mi tr; streambank rock treatment, 0.17 stream mi tr; streambank rock structure(s) - 8 , 0.27 stream mi tr; streambank planting, 0.25 stream mi tr, 1.4 rip ac tr		Photo Reference Points

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<u>GRMWP</u> ² <u>ID</u>	<u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>
<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Area</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>	
Upper Grande Ronde Steelhead Subarea: Middle Mainstem Grande Ronde				
1279	Walla Walla RD Road Obliteration - FS	Road obliteration [1995]	Lookingglass, Phillips, Willow Crk, Grande Ronde/Rondowa, and Grande Ronde/Cabin Creek Watersheds	Water Quality - Sediment Reduction
	Walla Walla RD	road(s) obliterated - 27.1 mi	Walla Walla RD 100%	
1291	Grande Ronde Valley Windbreak - NRCS/Wasley	Windbreak [1994]	Slide Creek	Water Quality - Sediment Reduction
	FSA, NRCS Union Co	misc. upland treatment(s), 1 stream mi ben	Private Ind/Bus 67.6%, FSA 32.4%	
1292	Grande Ronde Valley Windbreak - NRCS/Davis	Windbreak [1994]	Willow Crk	Water Quality - Sediment Reduction
	NRCS Union Co	misc. upland treatment(s), 0.5 stream mi ben	FSA 54%, Private Ind/Bus 46%	
1298	Willow Creek Fencing - NRCS/ODFW/Dake	Cross-fencing, wetland /ditch exclusion fence & planting [1996]	Willow Creek	Water Quality - Chemical, Water Quality - Sediment Reduction, Wildlife Habitat Improvement
	FSA, NRCS Union Co, ODFW	wetland planting, 10 rip ac tr; upland cross fence - 0.44 mi, 2 stream mi ben, 40 upl ac ben; wetland enclosure fence - 0.5 mi, 10 rip ac tr	Private Ind/Bus 70.3%, FSA 17.4%, ODFW 12.3%	
<u>1313</u>	Camp Creek Riparian Exclusion Fence & Off-Site Water Development	Riparian enclosure fence & livestock water development [1997]	Camp Creek, North Fork Clark Creek	Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	La Grande RD	spring water development(s) - 1	BPA 58.8%, La Grande RD 28.8%, Allotment Permittee 12.5%	In Channel Habitat, Photo Reference Points, Vegetation Measures, Water Quality Testing
<u>1319</u>	Phillips Creek Road Stabilization and Obliteration	Road closure, stabilization and obliteration [1998]	Phillips Creek Subwatershed	Water Quality - Sediment Reduction
	Walla Walla RD	road(s) closed - 5.2 mi; road(s) obliterated - 2.9 mi	BPA 51.6%, Walla Walla RD 48.4%	Photo Reference Points
<u>1322</u>	Middle Fork Clark Creek Crossing Improvement	Replace undersized culvert with bridge [1997]	Clark Creek Rd on Middle Fork Clark Crk just upstream of confluence with Clark Crk	Spawning Habitat Protection, Water Quality - Sediment Reduction
	Union Co PW	stream crossing structure(s) - 1	BPA 63.1%, Union Co PW 36.9%	Annual Site Inspection
<u>1323</u>	Bailey Creek Spawning Recovery	Replace culvert that blocks fish passage and relocate road [1998]	Bailey Creek	Fish Passage, Water Quality - Sediment Reduction
	ODF Union Co, Union SWCD	road(s) relocated - 0.25 mi; stream crossing structure(s) - 1, 0.75 stream mi made accessible to fish	BPA 71.8%, ODF Union Co 20.8%, Chandler Ranch 7.4%	

¹ Population Unit Definitions from NOAA

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area

Selected for Projects with a Primary Year of Work greater than or equal to 1994

<small>GRMWP ID</small> ² <u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>
<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Area</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Upper Grande Ronde Steelhead Subarea: Middle Mainstem Grande Ronde			
<u>1324</u>	Bingaman Dike Set Back Relocate dike & create flood plain [1997]	Grande Ronde River	Water Quality - Chemical, Water Quality - Sediment Reduction, Wildlife Habitat Improvement
	Union SWCD floodplain restoration, 0.3 stream mi tr, 10 rip ac tr	BPA 75%, Private Ind/Bus 25%	Photo Reference Points
<u>1332</u>	Willow Creek Fish Passage Modify diversion structure to pass fish at all flows & stabilize streambank [1999]	Willow Creek ~ rm 1	Fish Passage, Streambank Stability, Water Quality - Sediment Reduction
	ODFW fish passage ladder(s) @ diversion - 1 ; streambank rock structure(s) - 3 , 0.02 stream mi tr; streambank planting, 0.04 stream mi tr	BPA 90.5%, NRCS 5.4%, ODFW 4.1%	Annual Site Inspection
<u>1344</u>	Grande Ronde Alicel Irrigation District Dike Realignment and Refurbishment Remove & build dikes to restore floodplain [1998]	Grande Ronde River near City of Imbler	Water Quality - Chemical, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity
	NRCS floodplain restoration, 1.4 stream mi tr, 110 rip ac tr; riparian planting, 0.82 stream mi tr	BPA 72.9%, NRCS 17.9%, Private Ind/Bus 4.7%, ODFW 4.5%	Photo Reference Points
<u>1345</u>	Phillips Creek Stream Habitat Enhancement Remove bridge, large woody debris placement, riparian planting [1998]	Phillips Creek	Instream Habitat Diversity, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement, Water Quantity
	Walla Walla RD placement of large woody material, 4.5 stream mi tr; riparian planting, 4.5 stream mi tr, 102 rip ac tr; stream crossing structure(s) obliterated - 1	Walla Walla RD 62%, BPA 38%	In Channel Habitat, Photo Reference Points
<u>1348</u>	Grande Ronde River Hamilton Streambank Stabilization and Enhancement Streambank rock barbs & planting [1998]	Grande Ronde River 1.5 mi downstream from Elgin	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	Union SWCD streambank rock structure(s) - 5 , 0.08 stream mi tr; streambank planting, 0.08 stream mi tr	BPA 55.4%, Private Ind/Bus 39.1%, NRCS 3.8%, GWEB 1.7%	Photo Reference Points
<u>1350</u>	Hindman Road/North Fork Clark Creek Replace existing culverts with bridges [1998]	Hindman Road at crossings with North Fork Clark Creek	Spawning Habitat Protection, Water Quality - Sediment Reduction
	Union Co PW stream crossing structure(s) - 2	BPA 58%, Union Co PW 42%	Annual Site Inspection
<u>1357</u>	Walla Walla Ranger District Road Obliteration & Culvert Removal Road obliteration and culvert removal [1997]	Phillips Creek & Little Lookingglass watersheds	Water Quality - Sediment Reduction
	Walla Walla RD road(s) obliterated - 24 mi	Walla Walla RD 100%	

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
GRMWP ² ID	Project Name	Project Description and [Primary Year of Work]	Location	Objectives
	Lead Organization(s)	On the Ground Tasks for Population Area	Funding Source - % of Funding	Monitoring
Upper Grande Ronde Steelhead				
Subarea: Middle Mainstem Grande Ronde				
<u>1366</u>	Gordon Creek/Fruitts Streambank Stabilization and Riparian Enhancement (Phase I)	Streambank rock barbs, riparian enclosure fence & planting [1999]	Gordon Creek, north of Elgin	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	NRCS Union Co	streambank rock structure(s) - 3 , 0.05 stream mi tr; riparian planting, 0.05 stream mi tr, 0.15 rip ac tr; riparian exclusion fence - 0.05 mi, 0.05 stream mi tr, 0.15 rip ac tr	GWEB 63%, Private Ind/Bus 29.8%, NRCS Union Co 7.2%	In Channel Habitat, Photo Reference Points, Vegetation Measures
<u>1367</u>	Mainstem Grande Ronde/Fleet Streambank Stabilization & Riparian Enhancement	Streambank rock barbs [2000]	Grande Ronde River, east of Alicel	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction
	NRCS Union Co	streambank rock structure(s) - 4 , 0.11 stream mi tr	GWEB 63.6%, Private Ind/Bus 30.7%, NRCS Union Co 5.7%	In Channel Habitat, Photo Reference Points
<u>1372</u>	North Fork Clark Creek Crossing Improvement	Replace deficient bridge [1998]	Clark Creek at mouth of North Fork Clark Creek	Fish Passage, Water Quality - Sediment Reduction
	Union Co PW	stream crossing structure(s) - 1	GWEB 63.8%, Union Co PW 36.2%	Photo Reference Points
<u>1380</u>	Grande Ronde River/Hardy Riparian Enhancement	Riparian enclosure fence, livestock water developments [2001]	Grande Ronde River, ~ RM 90, ~ 7 miles downstream from Elgin	Streambank Stability, Water Quality - Chemical, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	NRCS Union Co	spring water development(s) - 2 ; riparian exclusion fence - 1.02 mi, 1.02 stream mi tr, 12 rip ac tr	Private Ind/Bus 38%, GWEB 36.2%, USFWS 23.4%, NRCS Union Co 2.4%	Photo Reference Points
<u>1415</u>	Hull Lane Streambank Protection	Reshape & stabilize streambank, relocate dike, install rock barbs and rootwad revetments along bank [1999]	Grande Ronde River, east of Imbler	Instream Habitat Diversity, Streambank Stability, Water Quality - Chemical, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	ODA	streambank rock treatment, 0.19 stream mi tr; streambank log structure(s) - 12 , 0.09 stream mi tr; streambank rock structure(s) - 3 , 0.09 stream mi tr; floodplain restoration, 0.19 stream mi tr, 0.5 rip ac tr	GWEB 55.9%, Private Ind/Bus 44.1%	Photo Reference Points

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Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
GRMWP ² ID	Project Name	Project Description and [Primary Year of Work]	Location	Objectives
	Lead Organization(s)	On the Ground Tasks for Population Are	Funding Source - % of Funding	Monitoring
Upper Grande Ronde Steelhead				
Subarea: Middle Mainstem Grande Ronde				
1440	Coon Creek Tributary Riparian Fence & Planting - ODFW/BPA Fish Habitat - Warren	Riparian enclosure fence & planting [1998]	Unnamed tributary to Coon Creek, just above confluence with Willow Creek	Instream Habitat Diversity, Streambank Stability, Water Quality - Chemical, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	ODFW	riparian planting, 0.25 stream mi tr, 1 rip ac tr; riparian exclusion fence - 0.5 mi, 0.25 stream mi tr, 2 rip ac tr	BPA 55.9%, Private Ind/Bus 44.1%	Photo Reference Points
1444	Walla Walla RD 1998 Road Obliterations/Decommissions in Upper Grande Ronde Subbasin - USFS	Obliterate/recontour and decommission roads [1998]	Finley Creek, Phillips Creek	Riparian Condition, Water Quality - Sediment Reduction
	Walla Walla RD	road(s) closed - 3.8 mi; road(s) obliterated - 4.5 mi	Walla Walla RD 100%	
1455	Mt. Harris Livestock Water - ODFW/Bingaman	Spring development and protection [1997]	slopes of Mt. Harris draining into Grande Ronde River	Riparian Condition
	ODFW	spring water development(s) - 4	Private Ind/Bus 84.4%, ODFW 15.6%	
1456	Willow Creek Tributary Riparian Fence - ODFW/Johnson	Riparian enclosure fence [1997]	Tributary to Willow Creek	Riparian Condition
	ODFW	riparian exclusion fence - 0.4 mi, 0.2 stream mi tr, 2.5 rip ac tr	ODFW 56.2%, Private Ind/Bus 43.8%	
1467	McClure Riparian Enhancement	Riparian enclosure fence & planting, livestock water developments, construct settling pond, relocate corral [2000]	Unnamed tributary of Grande Ronde River, NE of Elgin	Water Quality - Chemical, Water Quality - Temperature Improvement, Wildlife Habitat Improvement
	NRCS, Union SWCD	riparian planting, 0.2 stream mi tr, 2 rip ac tr; relocate feedlot - 1 , 0.01 stream mi tr, 0.1 rip ac tr; spring water development(s) - 2 ; riparian exclusion fence - 0.5 mi, 0.2 stream mi tr, 5.5 rip ac tr; construct/improve pond (not water development) - 1	GWEB 46.5%, Private Ind/Bus 27.7%, NRCS 25.8%	Photo Reference Points
1471	Mill Creek Headwaters Rehabilitation	Relocate and improve feedlot. Demonstrate crop terracing. [2000]	Mill Creek	Education, Water Quality - Chemical, Water Quality - Sediment Reduction
	NRCS Union Co, Union SWCD	modify agriculture practice(s), 0.4 stream mi ben, 200 upl ac tr; relocate feedlot - 1 ; upland cross fence - 0.6 mi; upland enclosure fence - 0.6 mi, 0.2 stream mi ben	Private Ind/Bus 52.8%, GWEB 39.3%, NRCS Union Co 5.3%, Union SWCD 2.6%	Photo Reference Points

¹ Population Unit Definitions from NOAA

² underlined Project ID = Project approved through Grande Ronde Model Watershed Program

Appendix 6: Complete Grande Ronde Subbasin Project Inventory by Salmonid Population Units.¹

Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
<u>GRMWP² ID</u>	<u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>
	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Area</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Upper Grande Ronde Steelhead				
Subarea: Middle Mainstem Grande Ronde				
<u>1478</u>	Clark Creek Watershed Restoration Project	Riparian/wet meadow enclosure fencing, instream large woody material placement, spring protection and livestock water development. [2000]	Clark Creek, North Fork Clark Creek tributary, Camp Creek	Instream Habitat Diversity, Riparian Condition, Streambank Stability, Water Quality - Sediment Reduction
	La Grande RD	placement of large woody material, 0.62 stream mi tr; riparian exclusion fence - 0.75 mi, 0.37 stream mi tr, 4.5 rip ac tr; wet meadow enclosure fence - 0.5 mi, 0.25 stream mi tr, 3 rip ac tr	BPA 61%, La Grande RD 28.7%, Allotment Permittee 10.3%	Photo Reference Points
<u>1487</u>	Tromp van Holst Riparian Plantings - DEQ	Riparian plantings and hybrid poplar tree plantation [1999]	Grande Ronde River near City of Imbler	Water Quality - Chemical, Water Quality - Temperature Improvement
	ODEQ	riparian planting, 0.2 stream mi tr, 2.5 rip ac tr		Vegetation Measures, Water Quality Testing
<u>1488</u>	Bailey Creek Road Maintenance - Chandler Ranch	Road drainage improvements, road rocking, relocate section out of drawbottom. [1998]	Bailey Creek	Water Quality - Sediment Reduction
	Contractor	road(s) improved - 2.25 mi; road(s) relocated - 0.1 mi	Chandler Ranch 100%	
<u>1489</u>	Grande Ronde River / Dick Parsons Streambank Stabilization and Riparian Enhancement	Streambank rock barbs with rootwads, riparian enclosure fence and plantings (CREP) [2000]	Grande Ronde River north of Elgin	Instream Habitat Diversity, Streambank Stability, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	NRCS Union Co	streambank rock structure(s) - 9 , 1 stream mi tr; riparian planting, 1 stream mi tr, 12 rip ac tr; CREP, 12 ac tr, 1 stream mi tr; riparian exclusion fence - 1 mi, 1 stream mi tr, 12 rip ac tr	BPA 61%, Private Ind/Bus 20%, FSA Union Co 17.6%, NRCS Union Co 1.4%	Photo Reference Points
<u>1490</u>	Grande Ronde River / Moses Creek Lane - Slide Improvement	Road improvements [1999]	Grande Ronde River, ~ rm 86, on Moses Creek Lane Road	Water Quality - Sediment Reduction
	Union Co PW	road(s) improved - 0.02 mi	Union Co PW 85.8%, BPA 14.2%	Photo Reference Points
<u>1504</u>	Yarrington Road Improvement Project	Improve road drainage [1999]	Yarrington Road, Grande Ronde River ~ rm 86.5	Water Quality - Sediment Reduction
	Union Co PW	road(s) improved - 1 mi	Union Co PW 74.7%, BPA 25.3%	Photo Reference Points

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Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
<u>GRMWP ID</u> ²	<u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>
	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Area</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Upper Grande Ronde Steelhead				
Subarea: Middle Mainstem Grande Ronde				
1509	Bingaman / Grande Ronde Streambank and Riparian Restoration	Streambank rock barbs w/root wads, riparian enclosure fence and plantings [2000]	Grande Ronde River south of Elgin	Instream Habitat Diversity, Streambank Stability, Water Quality - Chemical, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	NRCS Union Co, Union SWCD	streambank rock structure(s) - 12 , 1.51 stream mi tr; riparian planting, 0.18 stream mi tr, 0.5 rip ac tr; riparian exclusion fence - 1.51 mi, 1.51 stream mi tr, 9 rip ac tr	OWEB 61.1%, Private Ind/Bus 35.7%, NRCS Union Co 3.2%	Photo Reference Points
1511	Clark Creek Streambank and Riparian Restoration	Riparian enclosure fence & plantings, streambank rock barbs w/rootwads [2000]	Clark Creek	Instream Habitat Diversity, Spawning Habitat Protection, Streambank Stability, Water Quality - Chemical, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	NRCS Union Co, Union SWCD	streambank rock structure(s) - 10 , 0.25 stream mi tr; riparian planting, 0.25 stream mi tr, 1.5 rip ac tr; riparian exclusion fence - 0.34 mi, 0.25 stream mi tr, 3 rip ac tr	OWEB 54.2%, Private Ind/Bus 17.8%, NRCS Union Co 13.6%, ODFW 13.1%, Volunteers 1.3%	Photo Reference Points
<u>1518</u>	Hull Lane Streambank Vegetation Project	Riparian/streambank plantings [2000]	Grande Ronde River, east of Imbler	Streambank Stability, Water Quality - Chemical, Water Quality - Sediment Reduction
	ODA	riparian planting, 0.19 stream mi tr, 0.5 rip ac tr	OWEB 95.2%, Union SWCD 4.8%	Photo Reference Points, Water Quality Testing
1528	Fir Creek - ODFW/BPA Fish Habitat/Wyland	Land/stream lease, riparian enclosure fence [1997]	Fir Creek	Riparian Condition
	ODFW	riparian exclusion fence - 0.8 mi, 0.4 stream mi tr, 3 rip ac tr	BPA 100%	Photo Reference Points
1529	Upper Grande Ronde Healthy Forested Watersheds	Develop stewardship plans, precommercial thin overstocked forest stands, plant understocked forest stands [2000]	Private lands Union Co., McCoy, Bear Canyon, Sheep, Frizzell, Potters, Jordan, Rock, Slide, Phillips, Duncan Canyon Creeks	Water Quality - Overall, Water Quantity
	ODF Union Co	upland planting, 0.5 stream mi ben, 25 upl ac tr; thinning, 0.55 stream mi ben, 55 upl ac tr	OWEB 62.1%, Private Ind/Bus 30.3%, ODF Union Co 7.6%	Photo Reference Points
1536	Cricket Flat CREP - Baum Trust	Riparian planting, 15 year CREP lease. [1999]	Unnamed tributary to the Grande Ronde River, Cricket Flat area	Riparian Condition, Water Quality - Temperature Improvement
	FSA, NRCS Union Co	riparian planting, 0.5 stream mi tr, 9 rip ac tr; CREP, 0.5 stream mi tr, 9 rip ac tr	Baum Tr 54.1%, FSA 40.5%, ODF Union Co 5.4%	Vegetation Measures

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Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
<u>GRMWP² ID</u>	<u>Project Name</u>	<u>Project Description and [Primary Year of Work]</u>	<u>Location</u>	<u>Objectives</u>
	<u>Lead Organization(s)</u>	<u>On the Ground Tasks for Population Are</u>	<u>Funding Source - % of Funding</u>	<u>Monitoring</u>
Upper Grande Ronde Steelhead Subarea: Middle Mainstem Grande Ronde				
<u>1542</u>	Culvert Replacements	Replace/install culverts [2001]	Limber Jim Crk, EF Sheep Crk, Waucup Crk, NF Clark Crk, and Scout Crk	Fish Passage
	La Grande RD	stream crossing structure(s) - 1 , 2.5 stream mi made accessible to fish	BPA 54%, La Grande RD 46%	Annual Site Inspection, USFS Monitoring
1574	Smith Creek Stream Restoration	Relocate stream to historic channel, construct a livestock water development and silt basin, install irrigation diversion headgate and measuring device [2001]	Smith Creek	Instream Habitat Diversity, Riparian Condition, Water Quality - Chemical, Water Quality - Sediment Reduction, Water Quantity
	NRCS	restore historic channel, 0.23 stream mi tr; irrigation diversion(s) modified - 1 ; control erosion; water development(s) with ditch or stream as source - 1	OWEB 69.4%, USBR 10.7%, BPA 8%, Private Ind/Bus 6.6%, NRCS 5.3%	Photo Reference Points
1575	Spring and Pond Developments	Livestock water developments [2001]	Five Points Creek, Ladd Canyon, Rock Creek, Minam River, Grande Ronde River	Riparian Condition, Water Quality - Overall
	NRCS Union Co	spring water development(s) - 1	OWEB 52.3%, Private Ind/Bus 38.4%, NRCS Union Co 3.7%, Union SWCD 3.1%, BPA 2.5%	Photo Reference Points
1577	Griffin / Grande Ronde Meander Preservation	Construct log jam to prevent formation of oxbow channel, CREP riparian exclosure fencing and plantings. [2001]	Grande Ronde River	Instream Habitat Diversity, Riparian Condition, Streambank Stability
	NRCS Union Co	placement of large woody material, 0.01 stream mi tr; riparian planting, 0.76 stream mi tr, 4 rip ac tr; CREP, 0.76 stream mi tr, 4 rip ac tr; riparian exclusion fence - 0.76 mi, 0.76 stream mi tr, 4 rip ac tr	OWEB 57.4%, FSA 30.6%, Private Ind/Bus 12%	Photo Reference Points
1578	Follett / Pine Grove Cemetery Road Relocation and Riparian Restoration - Phase II	Relocate drawbottom road, improve road drainage, riparian exclosure fence, livestock water development [2001]	Tributary to Rysdam Canyon	Riparian Condition, Water Quality - Sediment Reduction
	NRCS	road(s) improved - 0.62 mi; road(s) relocated - 0.06 mi; spring water development(s) - 1 ; riparian exclusion fence - 0.28 mi, 0.14 stream mi tr, 1 rip ac tr	OWEB 50.1%, Private Ind/Bus 29%, FSA 19.3%, ODF Union Co 1.6%	Photo Reference Points
<u>1580</u>	Irrigation Infiltration Gallery - Denny	Follow-up project to correct problems with install of infiltration gallery [2001]	Grande Ronde River near Elgin	Water Quality - Sediment Reduction
	NRCS	irrigation diversion(s) modified - 1	OWEB 82.6%, Union SWCD 12.6%, Private Ind/Bus 4.8%	Photo Reference Points

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Salmonid Population Area		Selected for Projects with a Primary Year of Work greater than or equal to 1994		
GRMWP ² ID	Project Name	Project Description and [Primary Year of Work]	Location	Objectives
	Lead Organization(s)	On the Ground Tasks for Population Area	Funding Source - % of Funding	Monitoring
Upper Grande Ronde Steelhead				
Subarea: Middle Mainstem Grande Ronde				
1595	Grande Ronde River CREP - Bingaman	Remove dike, create, plant floodplain/wetland area [2000]	Grande Ronde River in Grande Ronde Valley	Riparian Condition, Water Quality - Overall
	FSA, NRCS Union Co	floodplain restoration, 0.25 stream mi tr, 6 rip ac tr; riparian planting, 0.25 stream mi tr, 6 rip ac tr; riparian seeding, 0.25 stream mi tr, 6 rip ac tr; CREP, 0.25 stream mi tr, 6 rip ac tr	FSA 50%, OWEB 25%, Private Ind/Bus 25%	
<u>1608</u>	Clark Creek/Bryant Alternative Watering System	Winter feedlot livestock water developments, riparian enclosure fence [2002]	Clark Creek	Water Quality - Chemical
	Union SWCD	spring water development(s) - 1 ; well water development(s) - 1 ; water development(s) with ditch or stream as source - 1 ; riparian exclusion fence - 0.22 mi, 0.22 stream mi tr, 1 rip ac tr	BPA 79.7%, Private Ind/Bus 18%, Union SWCD 1.4%, NRCS 0.9%	Photo Reference Points
<u>1627</u>	Eisminger/CREP Dike Relocation	Relocate dike to restore floodplain, riparian planting (CREP) [2002]	Grande Ronde River	Streambank Stability, Water Quality - Sediment Reduction, Wildlife Habitat Improvement
	FSA Union Co, NRCS Union Co, ODF Union Co	floodplain restoration - 0.95 mi, 0.9 stream mi tr, 5 rip ac tr; riparian planting, 0.9 stream mi tr, 5 rip ac tr; riparian seeding, 0.9 stream mi tr, 1 rip ac tr; CREP, 0.9 stream mi tr, 5 rip ac tr	NRCS Union Co 55.7%, BPA 41.8%, Private Ind/Bus 2.5%	NRCS Compliance Monitoring, Photo Reference Points
1637	Zubrick Dike Setback	Relocate dike to restore floodplain [2002]	Grande Ronde River	Streambank Stability, Water Quality - Chemical, Water Quality - Sediment Reduction, Water Quality - Temperature Improvement
	NRCS Union Co	floodplain restoration - 0.1 mi, 0.1 stream mi tr, 3.5 rip ac tr; riparian seeding, 0.1 stream mi tr, 3.5 rip ac tr	Private Ind/Bus 57%, OWEB 43%	Photo Reference Points
1638	Terracing/Upper Grande Ronde	Gradient terraces and WASCOSBS to reduce erosion [2002]	Unnamed tributary to Grande Ronde River	Water Quality - Sediment Reduction
	NRCS Union Co	control erosion, 100 upl ac ben	OWEB 65.8%, Private Ind/Bus 16.6%, Union SWCD 10.6%, NRCS Union Co 7%	Photo Reference Points

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