Oregon Plan for Salmon and Watersheds
Annual Implementation Report
FY 2000 (Oct 99-Sept 00) unless otherwise noted

1. Watershed/Habitat Restoration

	Burns	Coos Bay	Eugene	Lakeview	Medford	Prineville	Roseburg	Salem	Vale	Total
$ spent for watershed restoration projects	82,000	742,000	285,000	103,000	942,213	436,000	568,375	696,600	112,000	3967188
# watershed restoration projects, including:	6	47	17	3	15	11	10	79	8	196
# culvert replacements	--	6	10	--	37	1	8	143	–	205
# riparian restoration projects	6	3	3	3	8	4	–	7	8	42
# miles of road decommissioning	--	20	6	2.3	9.8	6	2.33	30.1	–	76.53
# miles of road stabilization	3	0.6	0	1.4	34	6	7.78	54	–	106.78
# of miles of stream restoration	13.5	2.5	6	1	9	36	.25	4	2.5	74.75

Any cooperative projects under Wyden Amendment authority of interest? List names.

Burns	· **General Comments: Several of the projects were implemented to exclude livestock from stream/riparian areas, and one project involved road movement and repair to reduce impacts to stream/riparian areas.** New spring exclosure projects and maintenance/repair of existing spring exclosures resulted in the protection of 12+ acres of riparian habitat. · Two other projects involve juniper cutting and cover approximately 400 acres. These projects are being implemented to increase understory species and to stabilize soil. The main target areas are aspen and mahogany stands being invaded by juniper. Benefits from these projects include increased soil productivity, reduced soil erosion, increased diversity of plant communities, improved wildlife and fish habitat, stable stream flows and possible reduction in water temperature.
Coos Bay	· **Haynes Inlet wetland restoration project, China Creek culvert replacement (Coos Bay Wagon Road), Skunk Creek culvert replacement, House Creek culvert modification**.
Eugene	· **Saleratus Creek culvert. Cooperative project on private land completed under Wyden Amendment authority** .
Lakeview	· **Includes Spencer Creek thin (JITW; $63K BLM); Clover Creek road obliteration, bank stabilization, and floodplain connectivity (cost share, $20K BLM); Barnes Valley low water crossing ($20K BLM); and Wood River channel realignment (cost share, 0 BLM).** · **In addition, 37 acres of riparian reserves were thinned as part of timber sales.**

Medford	· **Deer Creek Streambank Stabilization - coho salmon habitat** · **Little Applegate streamflow and migration improvement project** · **Slagle Creek (and adjacent streams) irrigation ditch/siphon redesign project.**
Prineville	· **Total cost of projects indicated above include $210,000 for prescribed fire on 8,830 acres of juniper woodlands, $51,000 for manual vegetation management treatment on 1,027 acres, and $65,000 for restoration of rangelands from weed dominated to native shrubs and grasses.** · **Wyden Amendment projects of interest: Pothook Juniper Control Project**
Salem	· **Riparian restoration was conifer release and conifer planting for long term large woody debris enhancement.** · **Instream restoration projects occurred in the Alsea, Nestucca, Nehalem and Molalla River basins. These projects included the placement of large wood into the channels and the replacement of culverts that were blocking fish passage.** · **Tillamook RA completed approximately 30 acres of riparian reserve habitat development, through the tool of a commercial timber sale, in the South Scappoose watershed.**
Vale	· **Malheur and Jordan Resource Areas 7 projects were fences for protection of riparian areas or wetlands. One project enlarged an exclosure specifically to protect Columbia spotted frog habitat.** · **Baker Resource Area** · **Accomplishment: Restored approximately 2.5 miles of stream with LWD placements to catch sediment, provide pool habitat, and help restore water table to a fish bearing stream at Rattlesnake Project Area.**

2. **Research** (Bob Alverts, Oregon State Office)

The BLM takes an active role in communication and coordination with public partners on issues os salmon and watershed concern. Because research projects tend to be complex and multi-year in nature, they are not always specific to any single fiscal year. Substantive work BLM participates includes:

- Cooperative Forest Ecosystem Research (CFER) Program developing integrated research on aquatic/riparian systems for Northwest Forest Plan (FY 02)
- NMFS Cooperative program looking at off channel habitat research for salmonid production (FY 02)
- National BLM Oregon Hydraulic Geometry Study (FY 01)
- BLM/FS Cooperative Flood Research (FY 01)

3/4. Inventory and Monitoring

$250,000 transferred to State for Oregon Plan monitoring and inventory - stream survey contract.

	Burns	Coos Bay	Eugene	Lakeview	Medford	Prineville	Roseburg	Salem	Vale	Total
# miles of stream inventory	--	27	3.5	--	238	10	35	98	140	551.5
# miles or sites of spawning surveys	--	12	35	6 sites	21	26	90	15	–	
# of adult fish trap sites	--	1	0	--	0	0	0	0	–	1
# of smolt traps operated	--	1	1	1	13	0	11	4	–	31
# of other projects initiated to estimate juvenile and adult populations	--	1	17	--	5	0	28	1	–	52
# temperature or other water quality monitoring sites	87	24	66	37	318	70	204	92	47	945
# macro invertebrate samples collected	--	5	3	--	48	0	79	15	–	150

Comments

Eugene	• **3.5 miles of inventory in addition to work done by ODFW under state-wide contract.** • **The 35 miles of spawning counts does not include multiple visits to same streams for different species.**
Lakeview	• **A comprehensive road inventory was started in Spencer Creek, a Tier 1 Key Watershed. This inventory utilizes state of the art GPS and GIS technology. Results will be linked with the HYD Update and measured sediment contributions to identify and prioritize roads that contribute to sedimentation. This project involves cooperation with the Winema National Forest, U. S. Timberlands, the Spencer Creek CRMP group, and the USFS Rocky Mountain Research Station, and is partially funded by the USFWS Klamath Basin Ecosystem Restoration Office.**
Medford	• **The juvenile smolt traps are operated in cooperation with Butte Falls R.A. and ODFW and may have already been reported elsewhere.** **Presence/Absence surveys to improve our understanding of native fish distribution.**
Prineville	• **Also completed 9 miles of riparian vegetation and stream channel transect measurements, as well as 2 streamflow measurement sites.**
Salem	• **The Marys Peak Resource Area established 7 permanent channel cross section sites.** • **The Salem District provides fund for 4 USGS gauge sites.** • **The Salem District participates in 2 smolt trapping projects and funds the operation of 4 traps. The Clackamas River project is a cooperative effort with the Mt. Hood NF, USFS PNW Research Station and PGE. The smolt trapping in the Alsea basin is a cooperative effort with Oregon Dept. of Fish and Wildlife.**
Vale	Malheur and Jordan Resource Areas • **Stream inventory was PFC assessments in Malheur and Jordan resource areas in conjunction with Standards and Guidelines for Rangeland Health.**

	• **Water temperature monitoring was specifically for bull trout streams in compliance with the North Fork Malheur River Biological Opinion for Bull Trout.** **<u>Baker Resource Area</u>** **STREAM ASSESSMENTS Accomplishment: - 20 miles of PFC Assessments in Section Seven watersheds, mostly in the Lower Grande Ronde watershed.** **STREAM TEMPERATURES - Accomplishment: Forty sites within 11 watersheds** **Stream temperature monitoring was completed at 40 sites. Hobo stream temperature monitors were placed in the streams in early summer until late fall. They accomplished continual stream temperature monitoring for three-four months. The information was downloaded at the end of the season into graphs which show the daily temperature regime.** **WATER QUALITY - Accomplishment: Forty Stream sites within 11 watersheds** **Water Quality was accomplished at 40 different streams within 11 different watersheds. These were accomplished on individual streams for projects on BLM land. Most of the sites included were located within the seven ESA watersheds and including the Burnt River, Powder River and Lookout Analysis Area. Many of the sites in the Grande Ronde River were read twice during the summer. All streams were tested for PH, Turbidity, Nitrites, Nitrates, Phosphates, Ammonia and flow. Stream temperatures were taken at the time of the data collection as was width and depth.** **MONITORING REPORT - Accomplishment: Projects in Seven Section 7 Watersheds A monitoring plan and report was prepared for the seven watersheds on BLM land with listed fish species. The report included all monitoring for chinook salmon, summer steelhead and bull trout that has been accomplished and the proposal for monitoring in 2000. Monitoring included additional mitigations and monitoring to protect fish species and habitat.**

5. Planning and Assessment

Participation in any noteworthy planning efforts? List partners or areas.

Burns	• **6 AMPs (allotment management plans) were either completed or revised in 2000; these plans all include riparian protection/improvement objectives.**
Coos Bay	• **Upper Smith River Restoration Plan (Coos Bay BLM, Roseburg BLM, ODFW, Umpqua River Basin Watershed Council, and private timber companies). Internal planning efforts: E. Fork Coquille Watershed Analysis, Sixes/Edson Recreation Area Management Plan, Camas Creek Late Successional Reserve Density Management EA, Cedar Creek Subwatershed Analysis Area EA, Tioga Density Management EA, South Fork Coos River Watershed Analysis.**
Eugene	· LSR Restoration Planning: A long-range landscape scale planning effort for restoration activities in LSR 267 on the Eugene District was initiated in FY2000. The Eugene District portion of LSR 267 is primarily in the Siuslaw River Basin and includes the Siuslaw River, Wolf Creek and Wildcat Creek. The primary goal of this project is to restore late-successional characteristics and aquatic health within LSR 267. · Completed the update and revision of the Lake Creek Aquatic Habitat Management Plan · The Long Tom Watershed Analysis was completed and published in October FY2000 on some 20,343 acres of BLM within this rather large 262,749 acre Willamette Valley watershed within the Coast Range and South Valley Resource Areas. It included interdisciplinary Transportation Management Planning (TMP) in both Resource Areas and recommends about 50 miles of roads proposed for closure. BLM participates in this watershed council. · Continued Implementation of Wildcat watershed TMP.

	· The BLM has been participating in The Pacific Coast Watershed Restoration Initiative lead by the USFS to prioritize subwatersheds for funding continuing restoration project efforts in the Siuslaw. · Road Inventory continued in 2000 in the subbasins within the Siuslaw Watershed (including culvert locations, condition, hydrology) in support of sediment monitoring and modeling.
Lakeview	· **The Lakeview Resource Area is working on it's Resource Management Plan. The draft EIS should be out middle of 2001.** · **Initiation of River Management Plan/EIS process for Klamath River from Copco Reservoir to J. C. Boyle dam (16 miles). Included within this area is 11 miles of Wild and Scenic River/ACEC. Partner with Redding BLM, Oregon Parks and Recreation, and the Klamath sub-PAC. Expected to be complete in FY02 (KFRA).** · **Initiation of ACEC evaluation for the Fourmile Creek wetlands property (1196 acres). The evaluation was completed early in FY2001, and found that the property was eligible for ACEC designation. Planning is ongoing (KFRA).** · **Initiation of Gerber/Willow Valley Watershed Analysis/CRMP. Encompasses approximately 270,000 acres of two watersheds (approximately 112,000 acres administered by BLM). Cooperate with the Fremont and Modoc National Forests, USBR, NRCS, and private landowners. Expected to be complete in FY01 (KFRA).**
Medford	· **Upper Illinois River EIS with USFS; Watershed analysis - Farout and East Fork Illinois River.** · **Kelsey-Whiskey EIS** · **Upper Illinois River EIS with USFS; Watershed analysis - Farout and East Fork Illinois River.** **Rogue Basin Fish Access Team (RBFAT). This is a subgroup of the Rogue Basin Coordinating Council, and consists of representatives from watershed councils, DWR, ODFW, BLM, USFS, BOR, OWEB, and OSP. We designed a prioritization system for rating fish passage barriers across the Rogue Basin. We also put together a database to track these barriers–800 so far: 400 culverts and 400 dams or diversions. We tried to create a monitoring and application system that meshed with OWEB's–we didn't want to create more work for landowners or watershed councils. RBFAT's plan is now done, and RBFAT recently received a grant (over one million dollars) to create a funding source for improving fish passage throughout the valley. Several irrigation dams in the valley are in the process of coming out!** · **Draft Cascade-Siskiyou Ecological Emphasis Area Plan/EIS.**
Roseburg	· **Upper Smith Salmon Restoration Phase 2, $500,000 OWEB matching grant, $1,000,000 total project.** · **Umpqua Basin Watershed Council, WEYCO, Roseburg Resources, Seneca, OWEB, ODFW.**
Prineville	· **John Day Wild and Scenic River Final EIS. Partners include: State Parks, ODFW, Marine Board, OWRD, Counties, Tribes, Watershed Councils, RAC, John Day Coalition of Counties.** · **Framework for Regional, Coordinated Monitoring in the Middle and Upper Deschutes River Basin - joint effort with USGS and Watershed Council including OWRD, USFS, BLM, PGE, BOR, Completed plan resulted in USGS published Open-File Report. Implementation of plan now in effect.**
Salem	· **Marys Peak RA - Participant with the Yamhill Basin Council in completing the Mill Creek Watershed Assessment. Mill Cr. is an anadromous and 303d listed stream in the Yamhill River watershed. Provided GIS support, hydrology support and cooperated in water temperature monitoring for baseline.** · **Tillamook RA - Upper Tualatin -Scoggins Watershed Analysis, in cooperation with Washington County Soil and Water Conservation District, Bureau of Reclamation, Tualatin River Watershed Council and United States Fish and Wildlife Service. Tillamook RA provided technical support and funding to the Scappoose Bay Watershed Council for completion of a cooperative watershed assessment. Completed Environmental Assessments for a Riparian Reserve habitat development in upper Dairy Creek of the Tualatin River system and Coast Creek of the Yamhill River system.** · **Cascades RA - worked on watershed analyses for Crabtree Creek and Quartzville Creek, both of which are in the South Santiam**

	basin.
Vale	**<u>Malheur and Jordan resource areas</u> are presently completing the final EIS for the Southeast Oregon Resource Management Plan, and are in the process of consulting with USFWS on the Plan.** **<u>Baker Resource Area</u>** **WATERSHED ANALYSIS - Accomplishment: 23,000 Acres Analyzed** **Fisheries analysis was written for new projects and changes to on-going projects for the Lower Grande Ronde River subbasin.** **LOOKOUT ANALYSIS AREA - Accomplishment: Fish, Water and Soil analysis of 23,000 acres** **The existing condition, and effects analysis was completed for Lookout Mountain on approximately 23,000 acres of BLM land.** **COURTNEY CREEK ANALYSIS AREA Accomplishment on 752 acres. Wrote the existing condition for Courtney Creek and completed all field analysis.**

6. Technical Training

Technical training of resource management personnel, as well as to private landowners or watershed groups?

Coos Bay	· **Applied Fluvial Geomorphology - Rosgen (3), American Fisheries Society Meeting (6), Non-Point Source Pollution & the Clean Water Act (2)**
Eugene	· **Eugene continues to be very active in helping with activities for watershed councils and training of volunteers and new employees. Conducted many tours of aquatic habitat improvement activities in 2000.**
Lakeview	· ARIMS, ArcView, Rosgen Level III, GIS
Medford	· Non-Point Source Pollution; Instream Water Rights Workshop; Clean Water Act Workshop; Arcview GIS. We attend the American Fisheries Society Oregon Chapter meetings each year, and did so in FY2000. These meetings give us an opportunity to network with scientific peers, and stay updated on important issues. Also attended GIS training.
Prineville	· **Two district personnel attended the 2-day long PFC training session.** · **One person attended the week-long USFS R6 Aquatic Monitoring and Evaluation Workshop as a student.** · **The week-long Arcview training course provided by the SO was held for district personnel.**
Roseburg	· **PFC-3, GIS-4, ARIMS**
Salem	· **Many staff members participated in training for : GIS, ARIMS (Aquatic Resource Information Management System), Water and road interaction, Watershed Restoration Workshop, COR Contracts Training**
Vale	· **IIT Training and Instructional Meetings** · **USFWS tours for Section Seven projects** · **PFC training with landowners on Sisley Creek**

7. Cooperative Funding

The BLM seeks and develops opportunities with the state and other non-federal partners through the Challenge Cost Share program. Examples of a variety of 2001 programs that BLM contributed cooperative funding to in fiscal year 2001 are given below. Projects/programs are often funded in multiple years.

For the Sake of the Salmon	$45,000
Pacific Joint Venture	15,000
Species at Risk	5,000
Watchable Wildlife	7,000
Oregon Natural Heritage Program	2,000
Wildlife Society Workshop Support	3,000
Fragmentation Corridor Symposium	5,000
Watchable Wildflowers	5,000
Celebrating Wildflowers	5,000
NW Rare Plant Conference	3,000

8. Education/Interpretation/Outreach

~$215,735 expended in support of aquatic and salmonid education efforts
Specific education activities? Name notable programs and $ amount given.

Coos Bay	**$15,885 expended .** **$885 (5 days @ GS-11): 8 Intertidal Field Trips with Grade School Classes @ Cape Arago and Sunset Bay, 1 Aquatic Macroinvertebrate Field Trip with Grade School Classes @ New River. $12,600: Tsalila.**
Eugene	$10,000 **Salmon Watch Program and Forest Field Day Activities.**
Lakeview	Free Fishing Day
Medford	$7,700 **The money reported includes both cash and in-kind hours from BLM staff.** · **Three days - SalmonWatch with School kids.** · **Salmon watch - provided 4 volunteers for 6, one-half day educational assistance.** · **Most of our educational outreach work happens through networks and informal contracts. Certain people on the fish staff consistently work with particular teachers or educational coordinators. For example, one staff member goes to a fifth grade class each year to dissect fish and talk about salmon physiology. These kinds of coordinating efforts aren't**

	organized through a particular organization. The number of kids include: Salmon Watch (500), Bear Creek Watershed Education Partnership (500), Free Fishing Day (3000), C.A.S.T. for Kids Day (2000), Other: (1000).
Prineville	$10,950 · **Lower Deschutes River Rangers and fishery biologists conducted outreach to anglers and rafters regarding salmon spawning habitat and location, and actions required by recreationists to reduce impacts to spawning fish and redds ($3,500)** · **One person assisted in teaching the week-long USFS R6 Aquatic Monitoring and Evaluation Workshop ($1,600).** · **Two district personnel taught three PFC training sessions that were each 2-days long. Each course included approximately 40 people and consisted of agency personnel and private landowners ($1,100).** · **Two people assisted in teaching at Wolf Tree, a program to teach children about ecological processes., water quality, and water quantity ($750).** · **Two to three district people assisted in teaching grade school children during the 2-day FishFest, a program to teach children about aquatic species and their habitat ($1,000).** · **Five to seven district personnel assisted in teaching grade school children at Chimney Rock Days, a program that instructs children about ecological processes and conditions of rangeland habitat, including streams and uplands ($2,000).** · **Three people assisted in teaching at the Wildlife Stewards Program for one weekend ($1,000).**
Roseburg	$9,000 · **1 WM educating Glide High School or Middle School students about water quality.** · **Forestry tour.** · **National Public Lands Day**
Salem	**$160,000** · One of the most successful cooperative partnerships is the award-winning Cascade Streamwatch science-based education program operated at the Wildwood Recreation Site along the Salmon Wild and Scenic River. There are over two dozen partners participating in this program. FY2000 expenditures, for all partners, totaled nearly $400,000. The Salem District contributed about $80,000 in direct contributions and staff time. · **The District is also involved in the Larch Mountain and Aquilla Vista environmental education sites.** · **The District contributed $7,000 to the Oxbow Park Salmon Festival.** · **District employees participated with the Northwest Youth Council and in National Fishing Day activities** · **Tillamook RA personnel were involved with the Nestucca Valley Education Partnership which involves the BLM, Nestucca Valley School District, Forest Service, Confederated Tribes of Grand Ronde, and several local landowners where students learn about ecosystem management. Area personnel have worked cooperatively with the Nestucca Valley High School in developing a hands-on natural resource education work experience opportunity for students called Nestucca Connections. The Area provided the Northwest Youth Corps with a natural resource education work opportunity in completing riparian/watershed restoration projects. Area fisheries staff participated with the Salmon Watch Program.**

Vale	**$2,200** · **Vale District participated in an educational program for local 5th grade students that included sessions in BLM's natural resources and land management activities.** · **ESA and Range Information with citizens of Troy** · **Taught WEB program once for North Powder School and twice for Baker High School** · **Taught 60 , 1-3rd graders about streams and aquatic invertebrates at North Powder School** · **Prepared displays on fish, water, aquatics and weeds for the Baker County Fair (for the Watershed Council)**

9. Natural Disaster Coordination (Bob Kempf, Oregon State Office)

The BLM works cooperatively with the state and watershed councils in the assessment and prioritization of actions taken in regard to natural disturbances and disasters. In FY 2000, BLM spent $35,000 of appropriated money to temporarily repair the most serious disaster damage. This figure should not be interpreted to mean that BLM had little flood damage to repair in FY 00. Rather, national priorities superceded our appropriation, and the Federal Highway Administration (FHA) did not have any money to distribute. BLM was repaired the highest priority health and safety problems. BLM hopes to receive some FY 01 funding from FHA to compensate, but are unable to guarantee those at this time. Note that there are repairs done on our land by the FHA that we can't track.

10. Interagency and Tribal Coordination

~6.25 work months with tribes *~93-94 work months with NMFS and USFWS*

Noteworthy interagency process participation?

Burns	0 work months with tribes. 2 work months consulting with NMFS and USFWS.
Coos Bay	0 work months with tribes. 19 months consulting with NMFS and USFWS. · **The 19 work months includes 11 for USFWS consultation by District Wildlife Biologists on Tree-lining, JITW, and Fisheries Program activities. Eight work months for NMFS consultation by District Fisheries Biologists.** · **Upper Smith River Restoration Plan (Coos Bay BLM, Roseburg BLM, ODFW, Umpqua River Basin Watershed Council, and private timber companies). Also listed above under 5. Planning and Assessment.**
Eugene	0 work months with tribes. 3 work months consulting with NMFS and USFWS. · **Participated in consultation and recovery efforts for four listed fish species.**
Lakeview	.25 work months with tribes. 4 months consulting with NMFS and USFWS.

	· Minor participation in Upper Klamath Lake temperature TMDL development (to be complete in FY 01).
Medford	0 work months with tribes. 13 months consulting with NMFS and USFWS.
Prineville	**4 work months with tribes. 9 work months consulting with NMFS and USFWS.** · **Watershed plan developed in coordination with the Confederated Tribes of the Warm Springs for Pine Cr. Ranch.** · **Consultation on dispersed recreation BA, implementation of terms and conditions of the dispersed recreation BO, and development of the grazing BA.**
Roseburg	**0 work months with tribes. 24 work months consulting with NMFS and USFWS.** · **Level 1 team meetings working well for project review.**
Salem	2 work months with tribes. 15 months consulting with NMFS and USFWS. (**It is assumed this figure is for fish consultation with USFWS, not terrestrial species.)** · **Tillamook RA staff have been working with the Confederated Tribes of Grand Ronde on plans for cooperative management of federal and tribal lands within the South Yamhill River watershed. The Area is attempting to negotiate a contract with the Tribe to accomplish various resource inventories and prepare coordinated activity plans for BLM lands in the South Yamhill basin.**
Vale	– work months with tribes. 4-5 months consulting with NMFS and USFWS. · **All BLM ongoing, new and monitored projects have been presented at the level I team meetings. Level 1 team members have had the opportunity to make suggestions, changes and add additional mitigations to all BLM projects. Field tours have been scheduled and accomplished for all ongoing projects. Projects have been shown to USFWS, NMFS and members of the Level 1 teams.**

11. Watershed Council Support and Coordination

Involved with 68 watershed groups ~$136,120 supplied in technical support ~$375,450 for Wyden Amendment authority projects

	Burns	**Coos Bay**	**Eugene**	**Lakeview**	**Medford**	**Prineville**	**Roseburg**	**Salem**	**Vale**	**Total**
# of watershed groups with which BLM is involved	1	4	6	6	12	15	1	21	2	68
$ supplied in technical support from biologists, engineers, hydrologists and other specialists	--	8,800	15,000	10 workdays	9,500	5,320	20,000	70,000	7,500	136,120 +10 workdays

$ for coop projects using Wyden Amendment authority	–	245,950	35,000	--	62,500	–	30,000	2,000	–	375450

Comments

Coos Bay	**The Wyden projects include $128,950 JITW, and $117,000 other funding**
Eugene	We have continued our support in FY 2000 to the Siuslaw and Long Tom Watershed Councils, attendance at Council meeting, in project planning on tech teams and provided office space and services to the Long Tom Council for phone, copy, computer workstation, etc.
Lakeview	**Deep Creek Watershed Council, Chewaucan River Watershed Council, Silver Lake Watershed Council, Goose Lake Fisheries Group, Klamath Watershed Council and associated working groups, and Klamath Basin Restoration Task Force.**
Prineville	**The above costs include technical expertise that was provided for redd surveys and PFC assessments in Pine Hollow Cr.**
Roseburg	**White Horse Creek and Myrtle Creek Ditch**
Salem	· **Marys Peak RA - Completed planning for the Feagle Cr. fish passage project. This project will be implemented in 2001. This project will fix a problem culvert on a BLM road segment on private land. This project has been coordinated with the local watershed council and ODFW.** · **Tillamook RA - Donated logs for fish project work in the Scappoose watershed and developed an assistance agreement for future projects. Provided excess nursery stock to watershed councils to support watershed restoration projects.**
Vale	**Biologists, range management specialists, and managers supplied technical support to the Malheur/Owyhee Watershed Council.** **<u>Baker Resource Area</u>** **POWDER RIVER WATERSHED COUNCIL Participate in monthly watershed council meetings and committee meetings. Provide information and education as requested. Committee meetings take place monthly for the education and fisheries committee. Often there are assignments to collect information and provide to the committee for watershed assessments and tours/meetings.** **GRANDE RONDE WATERSHED COUNCIL Participate as a member of the council to provide our data to the council. Shared all data collected last year with maps and reports. Will continue to coordinate data collection and the sharing of data we collect with the council.** **ODFW AND DEQ Work with ODFW to collect and share data collection, information, resource issues and project analysis. Share with ODFW and DEQ on a yearly basis all water quality, stream temperature and fisheries analysis with the state agencies to help broaden the available information.**

12. Key Aquatic Habitat Acquisition

~$30,000 in ongoing land exchanges that bring in key aquatic/riparian habitat to BLM management
Important exchanges? Acquisition titles and partners?

Coos Bay	· $0 Notable: New River Land Exchange
Lakeview	· **We are currently working on an acquisition of 90 acres of land adjacent to Twelve Mile Creek managed by Lakeview Resource Area under Southern Nevada Land Act. Disposal of lands in accordance with acquisition of Wood River Wetland (Klamath Falls Resource Area).**
Prineville	· **$20,000 in ongoing land exchanges that bring in key aquatic/riparian habitat to BLM management. Above cost is for the Central Oregon Irrigation District Exchange that will acquire approximately 0.5 miles of the Middle Deschutes River. Work continues on the Northeastern Oregon Assembled Land Exchange (NOALE) - see FY 99 submission.**
Salem	· $10,000 **Cascades Resource Area - The Area completed an exchange for additional riparian lands adjacent to the Fisherman's Bend Recreation site on the North Santiam River. The Area is also working on a exchange which will result in BLM ownership of significant lands within the Sandy River Wild and Scenic River corridor.**

13. Hydropower Licensing and Relicensing Coordination

There are15 Federal Energy Regulatory Commission (FERC) hydroelectric projects with relicensing due by 2010 directly affecting BLM administered lands. In addition, over a dozen new hydroelectric preliminary permit application which have been filed in Oregon/Washington from June 2000 to June 2001.

Oregon/Washington BLM is also involved in developing the national BLM hydropower strategy and BLM training for relicensing and other FERC issues (post-licensing compliance etc.).

A recent Solicitor's Opinion stated that Taylor Grazing Act lands, as well as some other lands "which are withdrawn...and reserved" (EO 6910 and6964) count as "reservations" under the Federal Power Act thus affording BLM mandatory 4(e) conditioning authority on FERC projects affecting these lands.

~$ 85,000 allocated to work on hydropower issues
Notable efforts and processes? Name the projects.

Lakeview	· **Involvement in relicensing of FERC Project 2082 (Klamath River hydroelectric development). Lakeview District is serving as lead for Medford and Redding BLM.**
Prineville	· **$60,000 District personnel assisting in development of the fish passage plan over Pelton-Round Butte Project, and ensuring adequate flows for channel maintenance and aquatic habitat during project operation**
Roseburg	· $5,000 Notable: **North Umpqua Hydro Relicensing**
Salem	· **$20,000 District personnel are involved with the relicensing of the Bull Run project on the Sandy River. Relicensing may result in the removal of Marmot Dam on BLM lands.**
Vale	· **FERC Relicensing of the Hells Canyon Complex (Hells Canyon, Brownlee, Oxbow Dams) - Provided fisheries/aquatic input as needed.**

* *Spokane BLM District in involved in the relicensing process for the following projects: Lewis River Projects (Merwin, Yale, Swift No. 1 and No. 2), Cowlitz River, Box Canyon, Waneta/Cedar Creek, Priest Rapids/Wanapum, and Rock Reach. This workload and resources allocated are not reflected in the above table.*

14. Clean Water Act Section 303 Compliance

~$267,109 spent on WQMP development 11 WQMPs completed or in process
Names or areas of submitted WQMP in FY of interest?

Coos Bay	• **$ 41,000 spent on development of WQMP (6 WM @ GS-11 + $18,000 Task Order for N. Fork Chetco WQMP)** **3 WQMP completed or in progress**
Eugene	• **Water quality and 303 compliance activities included in other District activities and not shown as a separate activity.**
Lakeview	· **1 WQMP completed or in progress**. · **Upper Klamath Lake temperature TMDL (expected to be complete in FY01).** · **Initiation of planning/assessment that will support WQMPs for the Klamath River (RMP/EIS) and Lost River (Gerber/Willow Valley WA/CRMP) sub-basins.**

Medford	$39,109 on WQMP development. 2 WQMP completed or in progress. · **Grave Creek (draft WQMP covering BLM-administered lands submitted to DEQ)** · **Lower Sucker Creek (WQMP covering BLM-administered lands submitted to DEQ)**
Prineville	$2,000 on WQMP development. 1 WQMP completed or in progress. · **One in progress and none completed during FY 00.**
Roseburg	$100,000 on WQMP development. 3 WQMP completed or in progress. · **WQMP of interest: Little River, Upper Smith River, South Umpqua**
Salem	$85,000 on WQMP development. 1 WQMP in progress. · **District personnel have been working with DEQ on stream temperature monitoring and modeling for Upper Willamette TMDL/WQMP.**

15. Safe Drinking Water Act Implementation

$ spent on SDWA implementation
Work on Source Water Assessment and Protection Program? Municipal water supply issues or strategy?

Prineville	$4,600 **Costs indicated above include $3,500 for upgrades and modifications to public drinking facilities to comply with state codes and regulations.**

16. Other Activities that advance the goals of the Oregon Plan not listed in above 15 measures? Comments on how the OPSW translates on the ground?

Coos Bay	· **Effectiveness monitoring on completed aquatic habitat restoration projects:** **- Photo points taken on 9 projects** **- Channel cross-section surveys performed on 3 projects** **- Wolman pebble counts on 2 projects** **- Channel mapping on 2 projects**
Eugene	· **Eugene has been active in cooperative efforts with ODFW on projects, inventory, monitoring and development of brood stock. The District works with at least 4 different watershed councils, many private forest products companies, and state and county agencies on cooperative efforts to maintain and restore aquatic habitat. The District has developed aquatic habitat management plans and transportation management plans that contain proposals and actions for restoring aquatic habitat.**

Lakeview	· Lakeview Resource Area worked with Oregon DEQ on analyzing temperature impacts to redband trout in Twelvemile Creek. · A system for determining riparian community potential is being developed for the Lakeview District. A scorecard system is being developed to map current and potential riparian vegetation communities. · Fence repairs and maintenance were completed on 10 riparian enclosures and riparian pastures. These fences were established to reduce or eliminate livestock grazing impacts to the riparian areas (Klamath Falls Resource Area - KFRA). · Riparian photo point monitoring was completed at 58 points on 8 streams, and at 3 points in one wet meadow (KFRA). · Streambank Stability ratings were completed on Ben Hall Creek and Wildhorse Creek at the end of the scheduled livestock season of use. Both creeks had stability ratings of greater than 99% (KFRA). · Riparian Greenline and Cross Section monitoring studies were reread on 4 streams in the Gerber Block. Three of these streams, Barnes Valley Creek, Pitchlog Creek, and Long Branch Creek are important spawning habitat for the Shortnose sucker, which is federally-listed as endangered under the Endangered Species Act. The other stream, Antelope Creek, has high water quality and a well developed riparian vegetation community (KFRA). · **High resolution color infrared air photos were acquired for all streams in the Resource Area, including those portions on USFS and private lands. Flight lines covered 127 miles of streams and wetlands (KFRA).** · **Ongoing involvement in the Klamath Basin Adjudication.**
Medford	• **Continue to cooperate with other local, regional, state, and federal agencies to share data and coordinate monitoring efforts;** • **Started a lamprey research program in conjunction with a local watershed council and with funding from USFWS;** • **Work with and acknowledge all-volunteer watershed groups that aren't "official" watershed councils.** • **Work to increase community understanding of fish and riparian issues.** • **Work hard to develop partnerships throughout the Rogue Basin, to empower as many people as possible to successfully complete watershed restoration projects, or to change land management and planning to benefit fish and riparian values.**
Salem	· **The Salem District provides office space for the staff of the Willamette Restoration Initiative (WRI). The WRI is a community-based effort to promote and coordinate efforts to protect and restore the health of the Willamette River basin.** · **The Salem District provides office space for the Willamette River Navigator. The navigator is the local federal representative for the American Heritage Rivers Initiative.**
Vale	**<u>Baker Resource Area</u>** **BULL TROUT RECOVERY GOALS - working with Mary Hansen and group to supply information on bull trout. Will supply information to this recovery effort for the watersheds in Oregon and Washington that are occupied by bull trout. Annually send her all new data collected each year.** **GOVERNORS DEMO PROJECT - the Grande Ronde River on the eastside has been chosen for the Governors Demo Project, due to the large number of TES fish and critical habitat listed in the watershed. The Courtney Creek project and the Weeds project is being partially funded under this demo project.** **STANDARDS AND GUIDE Assessments - Accomplishment: Completed all allotments for the Lower Grande Ronde River S & G Assessments. Participated as a team member on all the allotments we analyzed for the Lower Grande Ronde.**