

Appendix F – Inventory Questionnaire and Responses

Below is the letter and inventory questionnaire that was mailed out to stakeholders in 2003, requesting information on their various projects and programs occurring in the Umatilla/Willow subbasin. The list of responses follows.

LETTER SENT TO STAKEHOLDERS

July 7, 2003

Dear Stakeholders and Subbasin Cooperators:

I am asking for your help in providing information necessary for the development of a subbasin plan for the Umatilla/Willow Creek subbasin. Subbasin plans are being developed in response to the Northwest Power Planning Council's (NWPPC) new review and selection process and will serve multiple purposes. They will be used to direct Bonneville Power Administration (BPA) funding of projects that protect, mitigate and enhance fish and wildlife that have been adversely impacted by the development and operation of the Columbia River hydropower system. They will also be used by NWPPC, BPA, the National Oceanic and Atmospheric Administration (NOAA) Fisheries and the U.S. Fish and Wildlife Service (USFWS) to help meet requirements of the 2000 Federal Columbia River Power System Biological Opinion. In addition, NOAA Fisheries and USFWS will use subbasin plans as a foundation for recovery planning for threatened and endangered species.

Part of the plan includes an inventory of existing regulations and activities at the private, local, state, and federal level in the Umatilla/Willow Creek subbasin. Attached is a questionnaire that asks for the information required by the NWPPC for the inventory section of the plan. The quality of our subbasin plan depends on gathering complete and accurate information. Please fill out the attached information as it relates to you or your organization and return it to me by **August 15, 2003**. Please let me know if your response cannot be provided by that date. Your participation in this process is greatly appreciated, and will contribute to the improvement of the future of fish and wildlife in the Umatilla/Willow Creek subbasin.

Sincerely,

Jim Phelps
Project Manager

Inventory Questionnaire for Umatilla/Willow Creek Subbasin Plan

Please answer the following questions as completely as possible.

Part I. Existing Legal Protection

Identify areas in the Umatilla/Willow Creek subbasin with legal protections through stream buffers, municipal or county ordinances, conservation designations, or water resources protection.

Part II. Existing Plans

Identify and briefly describe local, state, tribal, and/or federal fish and/or wildlife management plans and water resource management plans that affect fish and wildlife in the Umatilla/Willow Creek subbasin. We have some listed already -- see the list of "Existing Plans" at the end of this questionnaire -- but please add others that you are aware of that do not appear on the list.

Part III. Existing Management Programs

Identify ongoing or planned public and private management programs or initiatives that have a significant effect on fish, wildlife, water resources, riparian areas, and/or upland areas. As applicable, describe the extent to which these programs extend beyond the subbasin to a larger scale (provincial and basin-wide).

Part IV. Existing Restoration and Conservation Projects

NWPPC requires that we identify all on-the-ground restoration and conservation projects that target fish and wildlife or otherwise provide substantial benefit to fish and wildlife. These include projects implemented within the past five years regardless of funding source.

Complete the following information for each project or program that was active at any time in the last five years (January 1998 to present). *(Please note that projects that are part of a larger program do not need to be addressed separately. For example, a general program such as the Conservation Reserve Program (CRP) can be described instead of individual projects that make up CRP.)*

- 1) What is the title of the project?
- 2) Briefly (two or three sentences) describe the project, including its location (electronic versions of maps of the project or program are also appreciated).
- 3) Briefly, describe the goal(s) or objective(s) of the project (be as quantitative as possible).
- 4) When did the project begin? When did it end or what is its target date for completion?
- 5) Who is the manager or lead entity for the project?

- 6) How was the project authorized?
- 7) Who is responsible for the project's implementation?
- 8) What is the funding source?
- 9) What limiting factors or ecological processes is the activity designed to address?
- 10) Summarize the accomplishments and/or failures of the activity. Have the projects goals (both short-term and long-term) been met? If not, what problems were encountered?
- 11) How does this project relate to other activities in the subbasin?
- 12) As applicable, describe the extent to which these programs and activities extend beyond the subbasin to a larger scale (provincial and basin-wide).

Part V. Contact Information:

Whom may we contact in your organization if we have questions concerning your answers to this questionnaire?

Name:

Title:

Phone Number:

E-mail:

Regular Mail:

Please return this form as soon as possible, but no later than **August 15, 2003**.

Forms may be e-mailed to david.wooster@oregonstate.edu, or sent to:

Jim Phelps, Project Manager
47019 Kirkpatrick Road
Pendleton, OR 97801
541-276-4898

Existing Plans:

- Umatilla Subbasin Summary. Prepared for the NWPPC by Ecovista. 2001.
- Umatilla River Basin Total Maximum Daily Load (TMDL) and Water Quality Management Plan. Prepared by ODEQ and partners. 2001.
- Umatilla River Subbasin Agricultural Water Quality Management Area Plan. Prepared by the Umatilla River Subbasin Local Agricultural Water Quality Advisory Committee. 1999.
- Meacham Creek Watershed Analysis and Action Plan, Draft. Prepared by Duck Creek Associates. 2002.
- Bull Trout Draft Recovery Plan. United States Fish and Wildlife Service. 2002.
- Willow Creek Agricultural Water Quality Management Area Plan, Draft. Prepared by the Oregon Department of Agriculture. 2003.
- Umatilla Basin Project, Phase I (completed in 1993) and Phase II (completed in 1999).

The questionnaire was sent to the following stake holder groups:

- Umatilla County Soil and Water Conservation District
- Umatilla Basin Watershed Council
- Bureau of Indian Affairs
- Natural Resource Conservation Service (e.g., CAFO)
- Morrow County Soil and Water Conservation District
- Oregon Department of Environmental Quality
- Oregon Department of Agriculture
- Oregon Department of Fisheries and Wildlife
- Oregon Department of Forestry
- Oregon Department of Transportation (e.g., ATV money that goes towards watershed mitigation fund?)
- CTUIR – Fisheries, Habitat, Water Resources, Planning, etc.
- US Forest Service
- US Bureau of Reclamation
- Westland Irrigation District
- Stanfield Irrigation District
- Hermiston Irrigation District
- West Extension Irrigation District
- IRZ Consulting
- Pacific Power and Light
- Umatilla Electric Coop. Assoc.
- Oregon Department of Environmental Quality
- Army Corp of Engineers
- USGS
- Stewards of the Umatilla River Environment – Betty Klepper

- Cities of Pendleton, Hermiston, Stanfield, Echo, Boardman, Heppner, Ione, Lexington (including departments of waste water, planning, etc.)
- Umatilla and Morrow counties (planning and water departments)
- OSU's Pendleton and Hermiston Agricultural Research and Extension Centers.
- Pendleton, Hermiston, Stanfield and other schools and or school districts
- TOAST
- Pheasants Forever
- Trout Unlimited
- Oregon Hunters Association
- Wild Turkey Federation
- Rocky Mountain Elk Foundation
- Nature Conservancy

INVENTORY QUESTIONNAIRE RESPONSES

I. Existing Legal Protection

Identify areas in the Umatilla/Willow Creek subbasin with legal protections through stream buffers, municipal or county ordinances, conservation designations, or water resources protection.

County-Level Legal Protection

From J.R. Cook, Umatilla County Planner (8-12-2003):

The Umatilla County Development Ordinance has several provisions related to protecting fragile areas within the Umatilla Subbasin. For example, the County has numerous sections of ordinance that concern stream set back, including sections §152.063(E), §152.088(E), §152.105(F), §152.119(C), §152.134(D), §152.159(D), §152.218(E), §152.233(E), §152.250(D), §152.264(E), §152.280(D), §152.294(D), §152.310(D), §152.325(D), and §152.339(D). These sections ensure that a minimum distance exists between structures and sewage disposal installations and the high-water line of streams, lakes, and wetlands. The County also has provisions restricting: 1) the removal of riparian vegetation near streams, lakes, and wetlands (Riparian Vegetation: Wetland Drainage-§152.016), 2) the use of lands that are likely to be flooded or to exacerbate floods (Floodplain Ordinance - §152.350-152.36), 3) the development of housing in important elk and deer winter range (Critical Winter Range "CWR" Overlay Zone- §152.455-152.458), and 4) the use of lands that have been designated as "natural areas," or areas that have special value as habitats for rare or endangered plants or wildlife, as wetlands, or as areas that are "ecologically and scientifically important to the understanding of the natural history of the region" (Natural Area "NA" Overlay Zone- §152.470-152.475).

From Carla McLane, Planning Director, Morrow County (8-11-03):

Like Umatilla County, Morrow County also has provisions in its Morrow County Zoning Ordinance that relate to protecting areas that may be vulnerable to flooding. Particularly, one section of the ordinance, the Flood Hazard Overlay Zone (§3.100), assures that

construction and other development within a floodplain meets the Federal Emergency Management Agency standards. This section leads to the protection of water resources and riparian areas by assuring that limited and appropriate development occurs within the floodplain.

Conservation Easements – CTUIR

A total of 90 easements have been secured with private landowners since the project inception in 1987 (Table 2). There are currently 85 easements on 41 different properties with landowners to improve and/or protect riparian, improve passage, and provide streambank and channel stability in the Umatilla subbasin. Targeted areas include portions of the mainstem Umatilla River and stream reaches in Birch, Wildhorse, Mission, Cottonwood, Moonshine, Buckaroo, Iskuulpa and Meacham creek subwatersheds.

Table 2. Conservation easements secured by the CTUIR since 1987.

Easement type	Date of easement	Termination date of easement	Application description	Project map location	Watershed
Riparian Conservation Agreement	7-May-97	7-May-22	Sole purpose of implementing and maintaining riparian habitat improvements	Riparian Corridor through T2N,R35E,Sect 8, Tax Lot 2800	Buckaroo Creek (Rm 1.0-1.3)
Conservation Easement	1-Oct-99	1-Oct-14	Sole purpose of implementing and maintaining riparian habitat improvements on Trust land	Riparian Corridor through T2N,R34E,Sect 8SE, Allotment 978	Buckaroo Creek (Rm 1.3-1.7)
Conservation Easement	1-Oct-99	1-Oct-14	Sole purpose of implementing and maintaining riparian habitat improvements on Fee land	Riparian Corridor through T2N,R35E,Sect 7NE, Tax lot 2400	Buckaroo Creek (Rm 1.7-2.1)
Conservation Easement	1-Oct-99	1-Oct-14	Sole purpose of implementing and maintaining riparian habitat improvements on Trust land	Riparian Corridor through T2N,R34E,Sect 7SE, Allotment 1088	Buckaroo Creek (Rm 2.1-2.2)
Conservation Easement	1-Oct-99	1-Oct-14	Sole purpose of implementing and maintaining riparian habitat improvements on Trust land	Riparian Corridor through T2N,R34E,Sect 7SE, Allotment 992	Buckaroo Creek (Rm 2.2-2.6)
BIA	2-Oct-01	2-Oct-26	Non-exclusive easement for replacement of culvert over, across, in and upon the described lands	Right of way through T2N,R34E, Sect 7NENE	Cottonwood Creek (Rm 0.5)
Riparian Conservation Agreement	1-Sep-02	1-Sep-17	Livestock exclusion and riparian corridor fencing, with noxious weed control, and revegetation.	Riparian Corridor through T2S,R33E,Sect 18NE, Tax Lot 1407	East Birch Creek (Rm 10.3-10.5)
Riparian Conservation Agreement	12-Oct-95	12-Oct-10	Sole purpose of implementing and maintaining riparian habitat improvements	Riparian Corridor through T3N,R34E,Sect 7&18, Tax lots 3200, 9800, & 10000	Greasewood Creek (Rm 0.0-1.5)
Riparian Conservation Agreement	1-Jan-97	1-Jan-12	Livestock exclusion and riparian corridor fencing, with noxious weed control, and revegetation. Constructing and maintaining stream bank stabilization structures.	Riparian Corridor through T1S,R33E,Sect 5, Tax Lot 501	McKay Creek (Rm 18)

Easement type	Date of easement	Termination date of easement	Application description	Project map location	Watershed
Riparian Conservation Agreement	1-Jun-99	1-Jun-14	Livestock exclusion and riparian corridor fencing, with noxious weed control, and revegetation.	Riparian Corridor through T1S,R33E,Sect 5NW, Tax Lots 1001 and 1003	McKay Creek (Rm 21.5)
Lease	31-Mar-90	31-Mar-00 (currently renewing)	Sole purpose of installing and maintaining instream fish habitat structures and close to livestock grazing	Riparian Corridor through T3N,R36E,Sect 29, 30, 31, & 32 Tax Lots 12600 & 700	Meacham Creek (Rm 0.2-0.35)
Lease	1-Sep-88	1-Sep-03 (currently renewing)	Sole purpose of installing and maintaining instream fish habitat structures and close to livestock grazing	Riparian Corridor through T2N,R36E,Sect 7, #120506 Lot 2	Meacham Creek (Rm 0.0-0.2)
BIA Instream Riparian Area Corridor Right-Of-Way	13-Apr-89	13-Apr-04	Sole purpose of installing and maintaining instream fish habitat structures and close to livestock grazing	Riparian Corridor through T2N,R36E,Sect 6, Allotment 1283	Meacham Creek (Rm 2.2-2.6)
BIA Instream Riparian Area Corridor Right-Of-Way	1-Jun-89	1-Jun-04	Sole purpose of installing and maintaining instream fish habitat structures and close to livestock grazing	Riparian Corridor through T2N,R36E,Sect 18, Allotment 1231	Meacham Creek (Rm 3.8-4.15)
Lease	21-Jun-89	21-Jun-04	Sole purpose of installing and maintaining instream fish habitat structures and close to livestock grazing	Riparian Corridor through T2N,R36E,Sect 7, #120507 Lots 1, 3, & 4	Meacham Creek (Rm 1.6-2.2)
Lease	1-Aug-89	1-Aug-04	Sole purpose of installing and maintaining instream fish habitat structures and close to livestock grazing	Riparian Corridor through T3N,R36E,Sect 31, Tax Lot 14700	Meacham Creek (Rm 1.3-1.6)
Lease	31-Jan-90	31-Jan-05	Sole purpose of installing and maintaining instream fish habitat structures and close to livestock grazing	Riparian Corridor through T2N,R36E,Sect 6, #800 Lot 3; T3N,R36E,Sect 30,31, Tax Lot 122338 and Tax Lot 122366 Lot 14500	Meacham Creek (Rm 3.25-4.15)
Easement	20-Jul-90	20-Jul-05	Sole purpose of installing and maintaining instream fish habitat structures and close to livestock grazing	Riparian Corridor through T3N,R36E,Sect 29, Allotment 714 & Sect 32, Allotment 863	Meacham Creek (Rm 1.2-1.4)
Riparian Easement	15-Oct-94	15-Oct-09	Sole purpose of installing and maintaining instream fish habitat structures and close to livestock grazing	Riparian Corridor through T2N,R36E,Sect 18, Allotment 1232	Meacham Creek (Rm 4.15-4.5)
Easement	10-Mar-95	17-Nov-09	Sole purpose of installing and maintaining instream fish habitat structures and close to livestock grazing	Riparian Corridor through T2N,R36E,Sect 18, Allotments 1138, 1232	Meacham Creek (Rm 4.5-4.8)
Lease	29-Sep-89	29-Sep-04	Sole purpose of installing and maintaining instream fish habitat structures and close to livestock grazing	Riparian Corridor through T3N,R36E, Sect 30&31,Tax Lot 14000	Meacham Creek (Rm 0-0.1)
Lease	26-Jun-89	26-Jun-03 (currently renewing)	Sole purpose of installing and maintaining instream fish habitat structures and close to livestock grazing	Riparian corridor through T2N,R36E,Sect 7, #120510 Lot 900	Meacham Creek (Rm 2.0-4.0)

Easement type	Date of easement	Termination date of easement	Application description	Project map location	Watershed
Lease	1-Sep-88	1-Sep-03 (currently renewing)	Sole purpose of installing and maintaining instream fish habitat structures and close to livestock grazing	Riparian corridor through T2N,R36E,Sect 7, #120504 Lot 1	Meacham Creek (Rm 2.9-3.2)
Access, Implementation and Maintenance Agreement	1-Jul-00	1-Jul-05	Sole purpose of constructing and maintaining stream bank stabilization structures and planting native riparian vegetation.	T2N, R30E, Sect 2&11, Tax Lot 1000	Mid Umatilla River (Rm 37.3-37.4)
Riparian Conservation Agreement	1-May-01	1-May-16	Livestock exclusion and riparian corridor fencing, with noxious weed control, off-site livestock water development, and revegetation.	Riparian Corridor through T2N,R31E,Sect 16&17, Tax Lot 3422	Mid Umatilla River (Rm 44.8-46.5)
Riparian Conservation Agreement	25-Jan-03	25-Jan-23	Livestock exclusion and riparian corridor fencing, with noxious weed control, off-site livestock water development, and revegetation.	Riparian Corridor through T2N,R31E,Sect 15SW &16SE, Tax Lot 3400	Mid Umatilla River (Rm 45.5-46.5)
Riparian Conservation Agreement	1-Jan-01	1-Jan-16	Livestock exclusion and riparian corridor fencing, with noxious weed control, off-site livestock water development, and revegetation.	Riparian Corridor through T2N,R31E,Sect 14&15, Tax Lot 3422 & 3001	Mid Umatilla River (Rm 46.5-47.5)
Riparian Conservation Agreement	1-Jan-96	1-Jan-11	Sole purpose of implementing and maintaining riparian habitat improvements and engineered stream ford	Riparian Corridor through T2N,R33E,Sect 24SE, Tax lots 7401 & 7403	Mission Creek (Rm 2.9-3.3)
Riparian Conservation Agreement	10-Sep-96	10-Sep-11	Sole purpose of implementing and maintaining riparian habitat improvements	Riparian Corridor through T3N,R34E,Sect 12, Tax lot 6500	Spring Hollow Creek, tributary to Wildhorse (Rm 3.4-4.0)
Riparian Lease	22-Feb-91	22-Feb-06	Sole purpose of installing and maintaining instream fish habitat structures (holding pools) and closed to livestock grazing	Riparian Corridor through T3N,R36E,Sect 21, Tax lot 9900	Upper Umatilla River (Rm 81.2-81.5)
Riparian Conservation Agreement	1-Jul-00	Perpetual	Sole purpose of constructing and maintaining stream bank and channel stabilization structures and planting native riparian vegetation.	Riparian Corridor through T2N,R33,Sect 11, Tax lots 300 & 400	Upper Umatilla River (Rm 63.5)
Lease	1-Aug-89	1-Aug-04	Sole purpose of installing and maintaining instream fish habitat structures (holding pools) and close to livestock grazing	Riparian Corridor through T3N,R36E,Sects 29, Tax lots 122313, 11901, 122329, 12400	Upper Umatilla River (Rm 78.8-80.1)
Right-Of-Way	9-Aug-89	9-Aug-04	Sole purpose of installing and maintaining instream fish habitat structures (holding pools) and installation and maintenance of riparian corridor fence	Riparian Corridor through T3N,R36E,Sects 29, Tax Allotment 09501 (formerly 714)	Upper Umatilla River (Rm 78.8-80.1)
Riparian Conservation Agreement	1-Jul-00	1-Jul-15	Sole purpose of constructing and maintaining instream enhancement structures	Riparian Corridor through T3N,R36E,Sect 22, Tax Lot 6603	Upper Umatilla River (Rm 83.0-83.2)

Easement type	Date of easement	Termination date of easement	Application description	Project map location	Watershed
Access, Implementation and Maintenance Agreement	15-Jun-99	15-Jun-04	Sole purpose of constructing and maintaining stream bank stabilization structures and planting native riparian vegetation.	T3N, R36E, Sect 13SW, Tax Lot 6007	Upper Umatilla River (Rm 85.0)
Riparian Conservation Agreement	1-Jul-02	1-Jul-17	Livestock exclusion and riparian corridor fencing, with noxious weed control, and revegetation. Constructing and maintaining instream enhancement structures (logjams & pointbar).	Riparian Corridor through T3N,R37E,Sect 17N, Tax Lot 4300	Upper Umatilla River (Rm 87.0-87.3)
Riparian Conservation Agreement	12-Oct-95	12-Oct-10	Sole purpose of implementing and maintaining riparian habitat improvements.	Riparian Corridor through T3N,R34E,Sect 7, Tax lot 3300	West Fork Greasewood Creek (Rm 0.0-0.3)
Riparian Conservation Agreement	1-Sep-94	1-Sep-09	Sole purpose of implementing and maintaining riparian habitat improvements. Constructing and maintaining instream sediment retention structures.	Riparian Corridor through T3N,R34E,Sect 8&17, Tax lot 8800	Wildhorse Creek (Rm 10.25-11.0)
Riparian Conservation Agreement	12-Oct-95	12-Oct-10	Sole purpose of implementing and maintaining riparian habitat improvements	Riparian Corridor through T3N,R34E,Sect 9, Tax lots 4200 & 4400	Wildhorse Creek (Rm 11.75-12.0)
Riparian Conservation Agreement	12-Oct-95	12-Oct-10	Sole purpose of implementing and maintaining riparian habitat improvements	Riparian Corridor through T3N,R34E,Sect 9, Tax lot 4300	Wildhorse Creek (Rm 12.0-12.5)
Riparian Conservation Agreement	24-Oct-94	24-Oct-09	Sole purpose of implementing and maintaining riparian habitat improvements. Constructing and maintaining instream sediment retention structures.	Riparian Corridor through T3N,R34E,Sect 8,17&18, Tax lots 3300, 3301, & 3400	Wildhorse Creek (Rm 9.5-10.25)

USDA – Umatilla National Forest response from

Del Groat
 Fisheries Biologist & Recreation RDMA
 Pomeroy Ranger Dist.
 71 West Main St.
 Pomeroy Washington, 99347
 (509) 843-4639, dgroat@fs.fed.us

The Umatilla National Forest must follow the Legal restrictions, procedures and guidelines of several Congressional Acts that offer land use protection. NEPA (National Environmental Policy Act, NFMA (National Forest Management Act), ESA, (Endangered Species Act), the Clean Water Act, and etc. All ongoing activities have been through ESA consultation with the regulatory agencies, i.e. NOAA Fisheries and USFWS. New projects must also be consulted.

Response from Oregon Water Resources Department – Pendleton, OR office

The Oregon Water Resources Department (OWRD) has several plans, programs and policies in place regarding water resources protection for the Umatilla/Willow Creek Subbasin. ORS 536.220 requires the Oregon Water Resources Commission to formulate and implement an integrated, coordinated state water resources policy. These state water resources policies are detailed in OAR Oregon Administrative Rules (OAR) 690-400 and 690-410.

Other water resources protections include the Umatilla Basin Report and associated Umatilla Basin Program adopted in 1988 and codified at OAR 690-507; OAR 690-33; OAR 690-09; OAR 690-; and OAR 690-200 thru 240. These protections are described in greater detail in Part II of this questionnaire.

OWRD, with the assistance of a task force, also developed the McKay and Umatilla River Water Management Plan in 1991. We also shepherd water provided by Phases I and II of the Umatilla Basin Project for the benefit of fish.

Part II. Existing Plans

Identify and briefly describe local, state, tribal, and/or federal fish and/or wildlife management plans and water resource management plans that affect fish and wildlife in the Umatilla/Willow Creek subbasin.

1) From J.R. Cook, Umatilla County Planner (8-12-2003):

Umatilla County's Comprehensive Plan. This plan includes goals that relate to the conservation and preservation of lands, "including those having a direct or indirect impact on fish and wildlife in the Umatilla Subbasin. These goals, and their general applications, include:

- Goal 3 (Agricultural Lands) provides the basis of support for programs such as soil and water conservation management practices that deter activities, such as overgrazing, which aid in the erosion of forage lands and creek banks
- Goal 4 (Forest Lands) implements a conservation plan for grazing/forested areas vital to wildlife and watershed well-being
- Goal 5 (Open Spaces, Scenic and Historic Areas, and Natural Resources) establishes the NA (Natural Area) and CWR (Critical Winter Range) overlay zones, as well as other preservation measures such as controlled land use, endangered and threatened species protection, etc.
- Goal 6 (Air, Water and Land Resources Quality) establishes water quality/quantity and pollution abatement measures."

2) **Willow Creek Agricultural Water Quality Management Area Plan.** This plan "provides guidance for addressing agricultural water quality issues in the Willow Creek Agricultural Water Quality Management Area. The purpose of the plan is to identify strategies to reduce water pollution from agricultural lands through a combination of educational programs, suggested land treatments, management activities, and monitoring. This Area Plan will be used by local management agencies for guiding implementation,

outreach, and assistance efforts and by landowners to enhance their awareness and understanding of water quality issues.” (reference, and date)

Other Plans to Describe:

From Mike Lambert, CTUIR:

3) A Program to Manage Rangeland and Pasture Resource on the Umatilla Indian Reservation Umatilla County, Oregon. Environmental assessment draft. Prepared by U.S. Department of the Interior Bureau of Indian Affairs. June 2001.

4) Forest Management Plan for the Umatilla Indian Reservation Draft. Prepared by the Confederated Tribes of the Umatilla Indian Reservation and Mason, Bruce, & Girard Inc. 2003.

5) Oregon Department of Agriculture’s (ODAs) Agricultural Water Quality Management (AgWQM) Program

1) What is the title of the project?

2) Briefly describe the project, including its location

The AgWQM Program describes a process for the development and implementation of Agricultural Water Quality Management Area Plans and Rules for all areas in the state where such plans are required by state or federal law.

3) Briefly, describe the goals or objectives of the project

The program addresses the prevention and control of water pollution associated with agricultural lands and activities with a goal of achieving water quality standards. Objectives include strategies to increase awareness of the problems and the range of solutions, motivations for appropriate voluntary action, and the provision for technical and financial assistance to plan and implement effective conservation practices.

4) When did the project begin?

The law was passed in 1993 with development of the Umatilla River Subbasin AgWQMAP completed in 1999 and the Willow Creek AgWQMAP in 2003.

5) Who is the manager or lead entity for the project?

The program is managed by the ODA, Natural Resources Division, Water Quality Program. The local representative is Tom Straughan, ODA Regional Water Quality Planner.

6) How was the project authorized?

The program was created by the Agricultural Water Quality Management Act (Senate Bill 1010) passed by the Oregon Legislature in 1993 with additional legislation in 1995 and 2001.

7) Who is responsible for the project's implementation?

The program is implemented by ODA with assistance from the Local Management Agencies: the Umatilla County and Morrow Soil and Water Conservation Districts. The administrative Area Rules associated with the Area Plan are enforced by ODA.

8) What is the funding source?

State general funds, grants and lottery

9) What limiting factors or ecological processes is the activity designed to address?

Generally, AgWQM Area Plans address water pollution from all agricultural activities and soil erosion. The Area Rules address parameters listed in the 303(d) list. In most areas this includes temperature, sediment, nutrients and bacteria.

The Umatilla River subbasin AgWQM Area Plan addresses these parameters through Prevention and Control Measures for soil erosion and sediment control, waste management, stream-side area management, livestock management, irrigation management, nutrient and farm chemical management and channel and drain management. The Willow Creek AgWQM Area Plan addresses these parameters through waste management, upland management and soil erosion, riparian and streamside area management, and irrigation management measures.

10) Summarize the accomplishments and /or failure of the activity. Have project goals been met?

The Umatilla River subbasin AgWQM Area Plan and Rules were approved in 1999 and are currently undergoing the first biennial review. Except for the waste management rules, which were already in statute, the Area Rules do not become enforceable until 2010. The biennial review will result in a rewrite of the Area Plan to add much more watershed scale information including TMDL and Lower Umatilla GWMA targets.

The Willow Creek AgWQM Area Plan and Rules have undergone the public review and will be approved at the September 2003 meeting of the Board of Agriculture.

The process involved with utilizing a local advisory committee to develop the Area Plans and Rules has led to a great deal of public participation from the public and agricultural interests. The SWCDs continue to do education and outreach to make sure that all affected landowners are aware of the requirements.

11) How does this project relate to other activities in the subbasin?

The AgWQM Area Plan is recognized as the water quality management plan to address the agricultural allocations in the Umatilla Basin TMDL. The rules associated with the AgWQM program provide a mechanism for enforcement of water quality standards.

The AgWQM Area Plans identify concerns related to livestock, covered by the CAFO program and concerns related to groundwater, covered by the LUB GWMA Action Plan.

12) As applicable, describe the extent to which these programs and activities extend beyond the subbasin to a larger scale.

By the end of 2004, the AgWQM Program will have approved plans and rules for all basins in the state that have water quality limited designations.

Part IV. Contact Information

Name: Tom Straughan

Title: ODA Regional Water Quality Planner

Phone Number: 541-278-6721

E-mail: tstraugh@oda.state.or.us

Address: 1 SW Nye, Suite B, Pendleton, OR 97801

6) Lower Umatilla Basin Groundwater Management Area Action Plan

1) What is the title of the project?

Lower Umatilla Basin Groundwater Management Area Action Plan

2) Briefly, describe the project, including its location.

The northern portion of Morrow county and the northwest portion of Umatilla county, roughly between Cold Springs Reservoir and Willow Creek, were designated a Groundwater Management Area by DEQ in 1990.

3) Briefly, describe the goals or objectives of the project.

The goal of the Action Plan, as directed through statute, is to seek solutions to protect the area's groundwater by bringing the level of nitrate-nitrogen in the groundwater back below 7 mg/l. The federal safe drinking water standard is 10 mg/l.

4) When did the project begin?

The investigation into groundwater contamination began in the 1980's, GWMA designation was in 1990 and the Action Plan was approved in 1997.

5) Who is the manager or lead entity for the project?

The Oregon Department of Environmental Quality (DEQ) is the lead entity with responsibilities for farming practices to the Oregon Department of Agriculture (ODA).

6) How was the project authorized?

The project was authorized by Oregon's Groundwater Protection Act (ORS 468B.180).

7) Who is responsible for the project's implementation?

The Action Plan was created by ODA and DEQ with assistance from a local Groundwater Management Area Committee (GWMAC).

Implementation of the Action plan is the responsibility of ODA and DEQ with designated responsibilities to other agencies including: Umatilla County and Morrow Soil and Water Conservation Districts, OSU Extension Service, U.S. Army, Natural Resources Conservation Service, Umatilla and Morrow Planning Departments, Oregon Water Resources Department and Oregon Health Division.

8) What is the funding source?

State general fund and grants

9) What limiting factors or ecological processes is the activity designed to address?

The project is addressing groundwater nitrate-nitrogen contamination from: irrigated agriculture, food processing, confined animal feeding operations, domestic sewage, and chemical washout of munitions. This contamination limits the use of groundwater for domestic drinking water supplies and some other uses.

10) Summarize the accomplishments and /or failure of the activity. Have project goals been met?

The responsible agencies have continued to implement action items identified in the Action Plan and meet yearly to assess progress toward meeting the goals of the plan. Progress continues to be made towards accomplishing those goals, but to-date, the actual levels of nitrate-nitrogen in sampling wells has been erratic with only a general trend downward. More knowledge is needed about the sources of contamination and the nature of groundwater flows.

11) How does this project relate to other activities in the subbasin?

Because of hydrological connection between surface water and groundwater, this project relates to the Agricultural Water Quality Management program, the Confined Animal Feeding Operation program and the TMDL program.

12) As applicable, describe the extent to which these programs and activities extend beyond the subbasin to a larger scale.

This designated groundwater management area is limited to portions of the Umatilla-Willow Creek basin. However, knowledge gained will be applied to other similar regions.

Part IV. Contact Information

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Address: 1 SW Nye, Suite B, Pendleton, OR 97801

7) Oregon Department of Agriculture's (ODA's) Confined Animal Feeding Operation (CAFO) Program

1) What is the title of the project?

Oregon Department of Agriculture's (ODA's) Confined Animal Feeding Operation (CAFO) Program

2) Briefly describe the project, including its location.

Oregon law now requires ODA to regulate all livestock feeding operations to satisfy both state and federal water quality laws. This includes defined CAFOs and Animal Feeding Operations (AFOs). CAFOs that meet certain requirements of animal numbers, length of confinement, condition of lots and have wastewater handling facilities or animal contact with surface water will be required to obtain an Oregon CAFO General Permit which meets the requirements of the National Pollutant Discharge Elimination System program.

3) Briefly, describe the goals or objectives of the project.

This program's goal is to satisfy both state water quality laws and the federal Clean Water Act by preventing and controlling pollution of the states waters from livestock feeding operations.

4) When did the project begin?

The program has been in existence for many years but the state laws were revised in 2001 to bring ODA into compliance with federal law. Administrative rules for both the federal program and the state program were approved in 2003.

5) Who is the manager or lead entity for the project?

Debbie Gorham, administrator of ODA's Natural Resources Division, is the program manager. Eric Moeggenberg, ODA Livestock Water Quality Specialist, administers the program for this region.

6) How was the project authorized?

In 2001, the Oregon Legislature passed House Bill 2156, authorizing the program.

7) Who is responsible for the project's implementation?

The program is implemented by ODA with assistance from the local Soil and Water Conservation Districts and OSU Extension Service.

8) What is the funding source?

State general funds and fees.

9) What limiting factors or ecological processes is the activity designed to address?

The program addresses runoff of sediment and animal wastes into waters of the state. Runoff from feeding areas causes degradation of the water by introducing bacteria, nutrients and sediment to the water causing damage to aquatic life and posing risks to human health.

10) Summarize the accomplishments and /or failure of the activity. Have project goals been met?

Prior to implementation of the state's program, some inspections were done by EPA that resulted in fines to a few operators. This and the outreach done by ODA and OSU Extension has greatly increased awareness of the potential problems associated with animal feeding operations and the requirement of the program. Education and outreach to operators is continuing while operators are asked to voluntarily sign up for the permits. An effort is being made by ODA and the SWCD to inventory the existing operations so that all operations will come into compliance within three years.

11) How does this project relate to other activities in the subbasin?

This program sets rules for certain CAFOs while the Agricultural Water Quality Management Program has rules that apply to all other livestock operations for the prevention and control of water pollution.

12) As applicable, describe the extent to which these programs and activities extend beyond the subbasin to a larger scale.

The rules established under this program apply to all identified animal feeding operations in the state. These rules are consistent with federal rules that apply nation-wide.

Part IV. Contact Information

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8) OREGON TMDL PROGRAM – ALREADY IDENTIFIED IN THE ATTACHED LIST.

CONTACT INFO FOR UMATILLA BASIN AND WILLOW CREEK TMDLS:

Don Butcher
Department of Environmental Quality
700 SE Emigrant, Ste. 330
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(541)278-4603

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9) Umatilla National Forest

The Umatilla N.F. operates under a number of plans that offer various legal protections. The Umatilla National Forest “Land and Resource Management Plan” 1990 provides legal definitions for aquatic habitat, riparian, old growth, scenic and wildlife designations. An example of this would be “C5” Riparian (Fish and Wildlife). The Goal for C5 is to maintain or enhance water quality and produce fish at a high level of potential habitat capability for all species of fish and wildlife within the designated riparian habitat areas... Some other examples are “C3” - Big Game Winter Range, “E1” - Timber and Forage, “A1” Non-Motorized Dispersed Recreation, each of which have their own definition and objections.

PACFISH (“The Interim Strategy for Managing Anadromous Fish-producing Watersheds in Eastern Oregon and Washington, Idaho and Portions of California,” Mar., 1994) and to some extent INFISH are two other plans specific to riparian areas. By definition 300 ft. zones were created around all fish bearing habitat and fall under a certain type of protection from harvest, grazing, burning and etc. Definitions also exist for perennial, intermittent and ephemeral habitats with designated buffering.

We also have a vegetation strategy. “Managing for Competing and Unwanted Vegetation” Nov., 1988. Within this plan is the rules and regulations we must follow for dealing with noxious weeds, non-commercial harvest, and etc.

The Forest Plan is specific to the Umatilla. The other two main documents are FEIS’s that govern the implementation of multi-use strategies across Region 6 Forests.

10) Oregon Water Resources Department – Pendleton office

Umatilla Basin Program OAR 690-507. Basin programs are administrative rules adopted by the Water Resources Commission that prescribe future allowable uses of water. The act of specifying the allowable future beneficial uses is called “classification”

and is authorized under ORS 536.340. OAR 690-507 classifies the waters of the Umatilla Basin, including Willow Creek Subbasin. These rules were amended in 1988 based on updated information cited in the Umatilla Basin Report-1988. The rules detail the beneficial uses of water that may be eligible for filing an application for a water right permit. The rules also prohibit some new uses in some subbasins of the Umatilla Basin.

Also included in these rules are minimum flows, with most of them being converted to instream water rights, adopted for aquatic life for various rivers or streams in the basin. In addition to minimum flows adopted in these rules, instream water rights have been issued in the basin. See attached table I for these instream water rights.

OAR 690-33: These rules, commonly referred to as the Columbia/Snake Rules, are additional public interest standards that must be considered when evaluating new requests for permits within the State of Oregon. The rules take into consideration whether a new permit would be within the public interest while still protecting existing sensitive, endangered or threatened fish species.

OAR 690-09: These rules guide the OWRD in making determinations whether wells have the potential to cause substantial interference with surface water supplies. These rules are used to determine if a new ground water application for a permit has substantial interference with a surface water supply and if they do, process them similar to a request for surface water. If the surface water is not available, normally, the ground water application is denied.

OAR 690-250: These rules provide more direction and guidance to the OWRD Watermasters on how to distribute, regulate waters of the state, and enforce State Water Laws.

OAR 690-200 thru 240: These rules contain the state's well construction standards for the protection of the ground water resources of the state. Faulty well construction and maintenance of wells have the potential to contaminate aquifers. If these aquifers discharge to surface water sources, they too have the potential for contamination.

McKay and Umatilla River Water Management Plan-1991: This plan was officially adopted by the Water Resources Commission and details how water will be managed and regulated within the Umatilla River and McKay Creek. This includes how McKay water is regulated and distributed.

Shepherding water provided by Phase I and II of the Umatilla Basin Project for the benefit of fish: As authorized by the transfer exchange order and subsequent water use permit, OWRD protects water instream for the benefit of the fish in the Umatilla River. This project provides sufficient flow augmentation in the Umatilla River to allow anadromous species to return to the Umatilla Basin.

Part III. Existing Management Programs

Identify ongoing or planned public and private management programs or initiatives that have a significant effect on fish, wildlife, water resources, riparian areas, and/or upland areas. As applicable, describe the extent to which these programs extend beyond the subbasin to a larger scale (provincial and basin-wide).

Programs to Improve Riparian Habitat, In-stream Water Quality, and Groundwater Conditions

1) Lower Umatilla Basin Groundwater Management Area (LUBGWMA) Voluntary Action Plan

From J.R. Cook, Umatilla County Planner (8-12-2003):

The County participates in the ODEQ's Lower Umatilla Basin Groundwater Management Area ("LUBGWMA") Voluntary Action Plan. Implementing the plan indirectly supports fish and wildlife by improving groundwater quality in part of the Subbasin. Phil Richardson, DEQ, can provide more information about LUBGWMA.

2) Hazardous Materials Training for Public Works Employees

From Karen King, Regulatory Specialist for the City of Pendleton.

The Hazardous Materials Training for Public Works Employees was a program which provided hazardous material spill response training for municipal and county public works employees, enabling them to assess a spill hazard and respond accordingly. The program, which was completed in July, 2003, was designed to address concerns that surfaced during the Umatilla Basin Total Maximum Daily Load and Water Quality Management Plan's preparation. Specifically, it was recognized that public works employees throughout the Umatilla Basin needed to better understand how to handle hazardous materials spills both from their own equipment and from other sources. One of the goals of the program was to enhance and protect riparian areas and streams by preventing runoff from hazardous chemical spills that could convey pollutants into these systems. The project was coordinated by Karen King, Regulatory Specialist for City of Pendleton, and was funded by a Regional Geographic Initiative (RGI) grant from U.S. Environmental Protection Agency (EPA) and from in-kind contribution of staff time and materials from Hermiston Fire and Emergency Services, Eastern Oregon Regional Utilities Training Association, Oregon Department of Transportation, U.S. EPA, Oregon Department of Environmental Quality, Hermiston, Pilot Rock and Umatilla County Public Works Departments, and the City of Pendleton Public Works Department.

The Hazardous Materials Training for Public Works Employees project provided basic awareness and initial response training for 85 public works, business and agency employees from 22 agencies in eastern Oregon. The participants are more aware of the dangers associated with handling and clean-up of hazardous materials and are better able to assess chemical spills and determine if they can clean up the spill themselves or require assistance from a hazardous material team. At the same time, the project provided basic spill kits to 13 agencies in the Umatilla River Basin and surrounding area for initial spill response. These kits will be especially useful in cleaning up small spills of automotive fluids or chemicals. The kits included a copy of the 2000 Emergency Response Guidebook to assist employees in assessing a chemical spill and responding

appropriately. This project created an important link between the activities of public works departments and storm water discharge, and increased collaboration between public works employees and the regional hazardous material response team and the Oregon Department of Environmental Quality Hazardous Waste Program.

3) City of Pendleton Water Supply Development Projects

From Karen King, Regulatory Specialist for the City of Pendleton.

The City of Pendleton is involved in a program consisting of several projects whose primary goals are to improve and stabilize drinking water supplies for Pendleton residents and to ensure that drinking water meets federal Safe Drinking Water Act standards. However, completion of these projects will also improve the quantity and quality of in-stream flows of the Umatilla River, protect groundwater from over drafting, and lead to the development of a surface water supply for future economic development. The projects that make up this program include: building a new, membrane filtration water treatment plant; building a new intake/pump station on the Umatilla River; transferring City water rights from current locations to the new intake/pump station location; and modifying city wells for storing and recovering the filtered water from the new water treatment plant in a process known as “aquifer storage and recovery.” The program began in 1995 when the City and the Confederated Tribes of the Umatilla Indian Reservation (CTUIR) began discussion on working jointly to improve water supplies for both entities. The City and CTUIR continued to work together on the project throughout the 1990s and completed several studies to determine the best water management options. In 2001, the City began the engineering and design phase of the project, with construction beginning in 2002. The water treatment plant and the intake/pump station were completed in June, 2003. A pilot study on the aquifer storage and recovery project will begin in December, 2003. The manager of the project is Bob Patterson, Pendleton Public Works Director.

Some history of Pendleton’s water system provides context for understanding the development of the water management plan. The City has historically had two main sources of drinking water. The first is a series of infiltration galleries, commonly known as Thornhollow Springs, located approximately 20 miles east of the City near the Umatilla River. The second source consists of 7 deep basalt wells located throughout the City and another deep basalt well located 6 miles east of the City near Mission. In September, 1999, the State of Oregon Drinking Water program determined that the Thornhollow Springs source was “under the direct influence of surface water.” The City was given eighteen months to complete one of four treatment options, and membrane filtration was chosen. In addition to the treatment requirement, the level in the City’s wells has been dropping at a rate of 2-3 ft per year. Clearly, it was necessary for the City to develop a long-term water management plan.

Thus, the water management plan developed by the City included construction of a membrane filtration water treatment plant. The City also chose to transfer all its surface water rights to one location on the Umatilla River and to build an intake/pump station at that location. In order to stabilize the groundwater level in the underground aquifer, the City decided to modify some City wells and to pump filtered water into the underground

aquifer. As part of the overall project, the City plans to return the water from the Thornhollow Springs source back to the Umatilla River, and to, instead, withdraw the water at the surface water intake site, approximately 20 miles down the river. The return of the Thornhollow Springs source will provide significant cooling of the downstream reach of the river. The Thornhollow Springs source has traditionally been used year-round, but when the water right transfer is complete, the source will only be used during the winter and spring months when flows in the Umatilla River are above 250 cfs. Thus, the project will reduce in-stream water temperatures and increase in-stream flows during the critical summer months. Currently, water right transfers have not yet been approved by the Oregon Water Resources Department.

4) THE UMATILLA BASIN TOTAL MAXIMUM DAILY LOAD AND ASSOCIATED BASIN-WIDE MANAGEMENT PLAN PROVIDE GOALS FOR RIPARIAN VEGETATION, CHANNEL MORPHOLOGY AND EROSION REDUCTION THROUGHOUT THE MAINSTEM AND TRIBUTARY WATERSHEDS. THE PLAN ALSO LAYS OUT SCHEDULES, RESPONSIBILITIES, RESOURCES, OUTREACH AND PRIORITIES. THE PROGRAM BOUNDARIES ARE THE UMATILLA BASIN 4TH FIELD HUC. THE GOALS ARE DESIGNED TO ADDRESS STREAM TEMPERATURE, PH, AQUATIC WEEDS AND ALGAE, SEDIMENT AND BACTERIA, AND MORE LOCALLY, NITRATE. AS NOTED IN THE ATTACHED LIST, IT WAS COMPLETED AND APPROVED IN 2001.

SIMILARLY, A TMDL IS BEING DEVELOPED FOR WILLOW CREEK (HEPPNER IONE AREA). THIS TMDL IS EXPECTED TO BE COMPLETED IN SPRING OF 2004. THE TMDL WILL FOCUS ON TEMPERATURE (BASIN WIDE) AND PH, WITH MORE LOCALIZED COVERAGE OF BACTERIA (BALM FORK)

CONTACT INFO FOR UMATILLA BASIN AND WILLOW CREEK TMDLS:

Don Butcher
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Pendleton, OR 97801

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5) Umatilla National Forest response by Del Groat.

Please refer to the Forest Plan above. This plan is scheduled for a revision in 2005. A watershed assessment was completed for some of the Umatilla sub-watersheds titled "Upper Umatilla River and Meacham Creek Watershed Ecosystem Analysis on Fish and Aquatic Habitats" August 5, 1996. Revised November 1999. This is an existing condition document that supplements project, planning purposes.

6) Umatilla County Soil and Water Conservation District Natural Resource Conservation Program

1) What is the title of the project?

Umatilla County Soil and Water Conservation District Natural Resource Conservation Program

2) Briefly (two or three sentences) describe the project, including its location

The Umatilla County Soil and Water Conservation District is:

1. Administered by elected local citizens of Umatilla County who serve without pay.
2. Operated under the Oregon State Statute.
3. Empowered to request and receive assistance from public agencies, federal, state, county and private sources.
4. Authorized to furnish assistance to Umatilla County residents upon request.

3) Briefly, describe the goal(s) or objectives(s) of the project (be quantitative as possible).

See Attached worksheet

4) When did the program begin? When did it end or what is its target date for completion?

Soil and Water Conservation Districts have been actively involved in conservation programs since 1945 in Umatilla County.

5) Who is the manager or lead entity for the project?

The board of directors of the Umatilla County SWCD is composed of seven directors. All of the directors must be residents of the district and all but two must be managers of more than ten acres of land. The directors are elected by the eligible voters of the district in a non-partisan ballot at the general election for four staggered terms

6) How was the project authorized?

The District was formed by consolidation of the three original districts in Umatilla County signed by the Secretary of State on March 13, 1974. The original districts were formed under the Soil and Water Conservation Districts Law (ORS 568.210-568.800)

7) Who is responsible for the project's implementation?

SWCD directors or staff implements projects and programs. The participating landowners install individual projects.

8) What is the funding source?

Oregon Department of Agriculture
Environmental Protection Agency
Oregon Department of Environmental Quality
Oregon Watershed Enhancement Board
Natural Resources Conservation Service

9) What limiting factors or ecological processes is the activity designed to address?

- Assist the agricultural community in addressing water quality factors related to sedimentation, temperature and nitrates
- Improving degraded habitat for fish and wildlife

10) Summarize the accomplishments and/or failures of the activity. Have the projects' goals (both short-term and long term) been met? If not what problems were encountered?
See # 3

11) How does this project relate to other activities in the subbasin?

All programs and projects implemented by the SWCD support the water quality and quantity conservation activities in the sub basin.

12) As applicable, describe the extent to which these programs and activities extend beyond the subbasin to larger scale (provincial and basin-wide)

6) Oregon Water Resources Department – Pendleton office
ORS 536.220 requires the Oregon Water Resources Commission to formulate and implement an integrated, coordinated state water resources policy: The rules adopted in OAR 690-400 detail the State Water Resources Policy and OAR 690-410 identify Statewide Water Resources Management. These rules identify how water resource management will occur in various program areas such as: Ground Water; Hydroelectric Power Development; Instream Flow Protection; Interstate Cooperation; Water Resources Protection on Public Riparian Lands; Conservation and Efficient Water Use; Water Allocation; and Water Storage. For the most part, all of these program areas can have significant effect on fish, wildlife and water resources. Water Resources Management is a Statewide program and therefore extends beyond the Umatilla Basin.

The McKay and Umatilla River Water Management Plan-1991: This plan was officially adopted by the Water Resources Commission and details how water will be managed and regulated within the Umatilla River and McKay Creek.

Part IV. Existing Restoration and Conservation Projects

NWPPC requires that we identify all on-the-ground restoration and conservation projects that target fish and wildlife or otherwise provide substantial benefit to fish and wildlife. These include projects implemented within the past five years regardless of funding source.

Complete the following information for each project or program that was active at any time in the last five years (January 1998 to present).

List projects by limiting factors they address:

Examples of limiting factors and factors for decline

- Water quality problems (temperature and sedimentation)
- Passage barriers
- Lack of adequate screening
- Overwinter habitat is insufficient
- Lack of juvenile rearing habitat
- Low fish or wildlife abundance
- Reduced biological function of habitat above blockages

List of Limiting Factors:

Water Quality

Water Quantity

Invasive Species: not only important out of concern for native plants themselves, but native species may be preferable habitat to wildlife and fish, etc. So affects habitat quality, also affects soil erosion? (Janet Greenup's response) Also biodiversity

Fish Passage Barrier

Project 1: Conservation Reserve Program

General Description: The Conservation Reserve Program (CRP), including the Conservation Reserve Enhancement Program (CREP) and Continuous Conservation Reserve Program (CCRP), is active in both Umatilla and Morrow Counties. CRP provides technical and financial assistance to eligible farmers and ranchers to address soil, water, and related natural resource concerns on their lands in an environmentally beneficial and cost-effective manner. It does this by encouraging farmers to convert highly erodible cropland or other environmentally sensitive acreage to vegetative cover, such as tame or native grasses, wildlife plantings, trees, filter strips, or riparian buffers. In return, farmers receive an annual rental payment for the term of the multi-year contract. Cost sharing is provided to establish vegetative cover. Up to 25% of eligible cropland in a county may be enrolled in CRP.

Goals of the Program: The goals of CRP are to reduce soil erosion, protect the ability to produce food and fiber, reduce sedimentation in streams and lakes, improve water quality, establish wildlife habitat, and enhance forest and wetland resources.

Location: Umatilla County has 108,000 acres in the program, with grass stands established throughout the subbasin. Of the 108,000 acres, 347 acres are enrolled in CREP, which involves installing riparian forest buffers along streams, and 991 acres are enrolled in the CCRP. Morrow County has 109,921.1 acres in the program (see Table X for more detailed locations), with 97.7 of those acres enrolled in CCRP.

Table X: Details of CRP in Morrow County

Sign-Up Number	Program Type	Total Acreage	HUC/Location	Duration
13	CRP	1,146.4	170702040201	1997-2006
15	CRP	69,039.9	Dry cropland in various locations	1998-2007
16	CRP	21,675.8	Locations vary	1998/99-2007/08
17	CCRP	121.4	Locations vary	1998-2007
18	CRP	11,051.7	Locations vary	2000-2009
19	CCRP	299.7	Locations vary	1999/00-2009/09
20	CRP	6,262.2	Locations vary	2001-2010
21	CCRP	130.1	Locations vary	2000-2009
22	CCRP	10.6	170701033501	2001/02-2009/10
23	CRP	99.8	170702021601,1707010741203	2003-2012
25	CCRP	5.8	170701040601	2003-2012
27	CCRP	4 9.5 38.4 5.4	170701040601 170701040303 170701040301 170701040601	2003-2012

Duration of Program: Established in 1985, the CRP program continues to receive funding through the United States Department of Agriculture (USDA). The program has been active in Morrow County since 1997, with 10 year contracts issued annually.

Lead Entity: The Farm Service Agency (FSA) and the Natural Resources Conservation Service (NRCS)

Project Authorization: The US Congress in the USDA Farm Bill

Responsibility for Project Implementation: FSA, NRCS, Umatilla County SWCD, ODA, ODF, and Department of Forestry, and participating landowners

Funding Source: CRP is generally funded by the US Department of Agriculture Commodity Credit Corporation through the Farm Service Agency. In addition, Oregon funds contribute 25% of the cost share for landowners to implement projects funded under CREP.

Limiting Factors: CRP addresses a variety of limiting factors related to water quality and habitat which are important to both fish and wildlife. CRP increases areas of stable, undisturbed vegetation on lands that need protection from erosion. The resulting decrease in erosion leads to less sedimentation of streams and rivers. Vegetative cover also provides shelter and food for animals, creating vital habitat where a variety of wild populations can breed and expand.

Accomplishments and/or Failures: The CRP has increased grass stands, wildlife habitat, and water availability for wildlife, and has decreased erosion and improved water quality. The acreage signed up in CRP (see Table X for Morrow County) varies from year to year because participation in the program is driven by many factors, including farm commodity prices, weather, and an aging farmer population. However, the fact that over 210,000 acres are now enrolled in CRP programs in Umatilla and Morrow Counties is a testament to its success. The program remains strong; in Umatilla County alone the 26th sign-up for CRP attracted 180 applications from farms in Umatilla County, totaling 30,500 acres. Another 70,000 acres can be enrolled in Umatilla County before reaching the 25% limit.

Although the program is an overall success, several problems have also been encountered, including drought, incorrect seeding, and landowners not meeting seeding deadlines.

Relation to Other Activities in the Subbasin: CRP is related to numerous other activities in the subbasin. Because of its effect on water quality and habitat conservation, it contributes to the goals outlined in various planning documents, such as the TMDL. In addition, Continuous CRP and CREP projects compliment in-stream and riparian restoration projects implemented by the CTUIR and Oregon Department of Fish and Wildlife.

Large Scale Effects: The combined size of new wildlife habitats established by CRP is twice as large as the National Wildlife Refuge System and all state-owned wildlife areas in the contiguous 48 states combined.

Project 2: Willow Creek - Small Grant Stream Protection

General Description: This project will result in riparian fencing, trough installation, and bank seeding, all of which should reduce livestock impacts on a stream in the Willow Creek watershed.

Goals of the Program: The goal of this project is to protect the stream from negative impacts of livestock.

Location: Willow Creek watershed -- HUC 170701040604

Duration of Project: The project began in May 2003 and is scheduled to end in December 2003.

Lead Entity: Morrow SWCD.

Project Authorization: OWEB

Responsibility for Project Implementation: Morrow SWCD and the landowner.

Funding Source: OWEB

Limiting Factors: Water Quality

Accomplishments and/or Failures: The goals of the project are being met.

Relation to Other Activities in the Subbasin: This project complements similar stream improvement projects in the area, such as those implemented through CCRP and OWEB.

Large Scale Effects: The cumulative effect of many small projects should be a general improvement of watershed health, which should translate to improvements in provincial and basin-wide conditions.

Project 3: Resource Conservation and Development Council - Animal Feeding Operation/Confined Animal Feeding Operation

General Description: This project aims to improve feedlots and feeding areas in Morrow, Umatilla, and Gilliam Counties.

Goals of the Program: The goal of this project is to enhance water quality in the Willow Creek watershed by improving livestock feedlots and feeding areas.

Location: Willow Creek watershed -- HUCs 170701041002, 170701040601, and 170701040203

Duration of Project: The project began in 2002 and is scheduled to end in December 2003.

Lead Entity: Columbia Blue Mountain Resource Conservation and Development Council (RC&D)

Project Authorization: ODEQ

Responsibility for Project Implementation: Columbia Blue Mountain RC&D, Morrow SWCD, Umatilla County SWCD, and Gilliam SWCD

Funding Source: ODEQ provided the funding for this project.

Limiting Factors: Water Quality

Accomplishments and/or Failures: Although the project is not complete, the goals of the project are being met at this time.

Relation to Other Activities in the Subbasin: This project complements other attempts in the subbasin to improve practices in feedlots and feeding areas, such as the Willow Creek WS Feeding Area Improvement Project (#).

Large Scale Effects: The cumulative effect of improvements in numerous small scale animal feeding operations should be a general improvement of watershed health, which should translate to improvements in provincial and basin-wide conditions.

Project 4: Willow Creek WS Feeding Area Improvement

General Description: This project aims to improve feedlots and feeding areas in Morrow County.

Goals of the Program: The goal of this project is to enhance water quality in the Willow Creek watershed by improving livestock feedlots and feeding areas.

Location: Willow Creek watershed -- HUC 170701040302

Duration of Project: This project began in February 2002 and will end in June 2004.

Lead Entity: Morrow SWCD

Project Authorization: OWEB

Responsibility for Project Implementation: Morrow SWCD

Funding Source: OWEB

Limiting Factors: Water Quality

Accomplishments and/or Failures: Although the project is not complete, the goals of the project are being met at this time.

Relation to Other Activities in the Subbasin: This project complements other attempts in the subbasin to improve practices in feedlots and feeding areas, such as the Resource Conservation and Development Council - Animal Feeding Operation/Confined Animal Feeding Operation Project (#).

Large Scale Effects: The cumulative effect of improvements in numerous small scale animal feeding operations should be a general improvement of watershed health, which should translate to improvements in provincial and basin-wide conditions.

Project 5: Willow Creek Water Measuring Device Installation

General Description: This project involves installing irrigation water measuring devices and flow meters on diversion points in the Willow Creek watershed.

Goals of the Program: The goal of the project is to improve the management and distribution of irrigation water in the watershed.

Location: Willow Creek watershed -- HUCs 170701040201, 170701040202, 170701040203, 170701040301, 170701040302, 170701040702, 170701040801, 170701040901, and 170701040902

Duration of Project: This project began in February 2003 and will end in December 2004.

Lead Entity: Morrow SWCD

Responsibility for Project Authorization: OWEB and the Oregon Water Resources Department (OWRD)

Project Implementation: OWRD and participating landowners

Funding Source: OWEB

Limiting Factors: Water Quality and Quantity

Accomplishments and/or Failures: The project is just beginning.

Relation to Other Activities in the Subbasin: None known.

Large Scale Effects: None known.

Project 6: Lower Willow Creek Weed Management Area

General Description: This project creates a weed management area on public and private lands in western Morrow County and eastern Gilliam County.

Goals of the Program: The goal of the project is to control weeds on private and public lands so that native grasses can naturally regenerate.

Location: Morrow and Gilliam Counties -- HUCs 170701010501, 170701010801, 170701010901, 170701040101, and 170701040201

Duration of Project: This project began in August 2003 and will end in June 2004.

Lead Entity: Lower Willow Creek Weed Management Area Steering Committee, Morrow SWCD, and The Nature Conservancy (TNC)

Project Authorization: National Fish and Wildlife Foundation (NFWF)

Responsibility for Project Implementation: Lower Willow Creek Weed Management Area Steering Committee, Morrow SWCD, and TNC

Funding Source: NFWF

Limiting Factors: Invasive Species

Accomplishments and/or Failures: The project is just beginning.

Relation to Other Activities in the Subbasin: This project complements other weed control activities that are currently occurring in the subbasin, such as **Projects ...**

Large Scale Effects: This project is part of a national effort to 1) prevent, manage, or eradicate invasive and noxious plants through a coordinated program of public/private partnerships, and 2) increase public awareness of the adverse impacts of invasive and noxious plants.

Project 7: Navy Bombing Range Weed Control

General Description: This project was carried out to control “A” and “B” listed weeds in the Navy Bombing Range in Morrow County.

Goals of the Program: The goal of the project was to control noxious weeds on the Bombing Range so that native grasses can naturally regenerate.

Location: Navy Bombing Range in Morrow County -- HUCs 170701010401, 170701033501, 170701033701, and 170701033502

Duration of Project: This project began in spring and fall of 2202/2003 and ended in September 2003.

Lead Entity: Morrow SWCD

Project Authorization: Department of Navy

Responsibility for Project Implementation: Morrow SWCD

Funding Source: Department of Navy

Limiting Factors: Invasive Species

Accomplishments and/or Failures: The goals of this project were met. One problem encountered was finding a chemical applicator willing to perform the work.

Relation to Other Activities in the Subbasin: This project complements other weed control activities that are currently occurring in the subbasin.

Large Scale Effects: This project is part of a statewide, regional, and national effort to prevent, manage, or eradicate invasive and noxious plants.

Project 8: Morrow County Noxious Weed Control

General Description: This project was carried out to control yellow starthistle in Morrow County by chemically treating 2,766.9 acres.

Goals of the Program: The goal of the project was to assist landowners with chemical and application costs for the control of “A” list noxious weeds in Morrow County.

Location: Morrow County – HUCs 170701040201, 170701040202, 170701040203, 170701040901, 170701040301, 170701040902, 170701040302, 170701040402, 170701010601, 170701033501, and 170701033701

Duration of Project: This project began in March 2000 and ended in March 2001.

Lead Entity: Janet Greenup, Morrow SWCD

Project Authorization: Oregon State Weed Board, OWEB

Responsibility for Project Implementation: Morrow SWCD, Morrow County Weed District

Funding Source: Oregon State Weed Board, OWEB

Limiting Factors: Invasive Species

Accomplishments and/or Failures: The goals of this project were met or exceeded.

Relation to Other Activities in the Subbasin: This project complements other weed control activities that are currently occurring in the subbasin, including efforts by individual landowners.

Large Scale Effects: This project is part of a statewide, regional, and national effort to prevent, manage, or eradicate invasive and noxious plants.

Project 8: Wilson Creek Stream Restoration and Enhancement

General Description: This project replaces fish passage barrier culverts with fish friendly cattle guards.

Goals of the Program: The goal of the project is to remove fish barriers in a perennial stream.

Location: Wilson Creek in Morrow County.

Duration of Project: This project began August 2003 and is scheduled to be completed in June 2005.

Lead Entity: Morrow SWCD

Project Authorization: OWEB

Responsibility for Project Implementation: Morrow SWCD and ODF

Funding Source: OWEB

Limiting Factors: Fish Passage Barrier

Accomplishments and/or Failures: The project is still in progress.

Relation to Other Activities in the Subbasin: This project complements other efforts in the subbasin to remove barriers to fish passage.

Large Scale Effects: The removal of barriers to fish passage in the subbasin will contribute to the success of anadromous fish whose ranges extend into areas beyond the subbasin.

Project 9:

General Description: This project replaces fish passage barrier culverts with fish friendly cattle guards.

Goals of the Program: The goal of the project is to remove fish barriers in a perennial stream.

Location: Wilson Creek in Morrow County.

Duration of Project: This project began August 2003 and is scheduled to be completed in June 2005.

Lead Entity: Morrow SWCD

Project Authorization: OWEB

Responsibility for Project Implementation: Morrow SWCD and ODF

Funding Source: OWEB

Limiting Factors: Fish Passage Barrier

Accomplishments and/or Failures: The project is still in progress.

Relation to Other Activities in the Subbasin: This project complements other efforts in the subbasin to remove barriers to fish passage.

Large Scale Effects: The removal of barriers to fish passage in the subbasin will contribute to the success of anadromous fish whose ranges extend into areas beyond the subbasin.

Project 10: CTUIR Umatilla River Basin Anadromous Fish Habitat Enhancement Project – Riparian Function

General Description: The project is a continuation of existing efforts to improve natural production of salmonids in the subbasin through the protection and enhancement of riparian areas along the Umatilla River and its tributaries.

Goals of the Program: The goal is to enhance fish habitat for improved natural production of steelhead, coho salmon, and Chinook salmon. These goals are achieved through a variety of means including livestock exclusion and riparian corridor fencing, off-stream livestock water development, and revegetation and noxious weed control in riparian zones.

Location: Riparian enhancement projects have been conducted on the Umatilla River, Meacham Creek, Mission Creek, Wildhorse Creek, Greasewood Creek, West Fork of Greasewood Creek, Spring Hollow Creek, Buckaroo Creek, Iskuulpa Creek, McKay Creek, Moonshine Creek, and Cottonwood Creek.

Duration of the Project: The project began on April 1, 1988 and was initially limited to private lands on the Umatilla Indian Reservation. In 1993, the project expanded to include lands outside of the reservation and is ongoing with some riparian conservation agreements with private landowners good through January 25, 2023.

Lead Entity: Confederated Tribes of the Umatilla Indian Reservation

Project Authorization: The project was improved and funded by the Bonneville Power Administration, U.S. Department of Energy as part of the Northwest Power Planning Council's Columbia River Fish and Wildlife Program.

Responsibility for Project Implementation: The Confederated Tribes of the Umatilla Indian Reservation

Funding Source: Primary funding is from the Bonneville Power Administration. Cost-share funding is from the U.S. Bureau of Indian Affairs, U.S. Workforce Investment Act funds, Oregon Watershed Enhancement Board, CTUIR Environmental Protection-Riparian Protection, Umatilla County Roads Department, Pacific Coastal Salmon Recovery Fund-NOAA, Pheasants Forever, and Natural Resources Conservation Service

Limiting Factors: Water temperature, sediment, habitat

Accomplishments and/or Failures: Accomplishments: A total of 47 landowner easements have been attained since 2000 on 10 different property ownerships, and ten miles of stream enhanced. Failures: Lack of funding from Bonneville Power Administration for monitoring and evaluation to examine success of individual projects.

Relation to Other Activities in the Subbasin: This project complements all other projects in the subbasin designed to improve natural productivity of steelhead and salmon.

Large Scale Effects: Elevation of Umatilla River subbasin juvenile outmigration numbers through habitat improvements will assist with the Columbia basin adult escapement goals.

Project 11: CTUIR Umatilla River Basin Anadromous Fish Habitat Enhancement Project – Instream and Stream Bank Improvements

General Description: The project is a continuation of existing efforts to improve natural production of salmonids in the subbasin through the enhancement of instream habitat in the Umatilla River and its tributaries.

Goals of the Program: The goal is to enhance fish habitat for improved natural production of steelhead, coho salmon, and Chinook salmon. These goals are achieved through a variety of means including stream bank revetments, log and boulder weirs, log and boulder deflectors, rock vanes and grade control/sediment retention structures.

Location: Instream and streambank enhancement projects have been conducted on the Umatilla River, Meacham Creek, Mission Creek, Wildhorse Creek, Greasewood Creek, West Fork of Greasewood Creek, Spring Hollow Creek, Buckaroo Creek, Iskuulpa Creek, McKay Creek, Moonshine Creek, and Cottonwood Creek.

Duration of the Project: The project began on April 1, 1988 and was initially limited to private lands on the Umatilla Indian Reservation. In 1993, the project expanded to include lands outside of the reservation and is ongoing with some riparian conservation agreements with private landowners good through January 25, 2023.

Lead Entity: Confederated Tribes of the Umatilla Indian Reservation

Project Authorization: The project was improved and funded by the Bonneville Power Administration, U.S. Department of Energy as part of the Northwest Power Planning Council's Columbia River Fish and Wildlife Program. The project was further approved by the Confederated Tribes of the Umatilla Indian Reservation Board of Trustees on May 9th, 1988 (Resolution #88-55).

Responsibility for Project Implementation: The Confederated Tribes of the Umatilla Indian Reservation

Funding Source: Primary funding is from the Bonneville Power Administration. Cost-share funding is from the U.S. Bureau of Indian Affairs, U.S. Workforce Investment Act funds, Oregon Watershed Enhancement Board, CTUIR Environmental Protection-Riparian Protection, Umatilla County Roads Department, Pacific Coastal Salmon Recovery Fund-NOAA, Pheasants Forever, and Natural Resources Conservation Service

Limiting Factors: Sediment, habitat

Accomplishments and/or Failures: Accomplishments: A total of 11 landowner easements have been attained since 1999. Failures: Lack of funding from Bonneville Power Administration for monitoring and evaluation to examine success of individual projects.

Relation to Other Activities in the Subbasin: This project complements all other projects in the subbasin designed to improve natural productivity of steelhead and salmon.

Large Scale Effects: Elevation of Umatilla River subbasin juvenile outmigration numbers through habitat improvements will assist with the Columbia basin adult escapement goals.

Project 12: Umatilla River Subbasin Fish Habitat Improvement Program.

General Description: The program works cooperatively with private landowners to implement projects aimed at improving fish habitat for anadromous and resident fish species within the Umatilla subbasin.

Goals of the Program: The goal is to, using cooperative lease agreements, protect (where possible) and enhance/restore (where required) high quality fish habitat, using both passive and active restoration techniques. Individual projects include livestock exclusion fencing to protect riparian habitat and the installation of instream structures to halt/prevent erosion and provide fish habitat. Recently efforts have been made in channel re-design and re-construction to restore stable stream function.

Location: Projects have focused on two watersheds in the Umatilla subbasin, Birch and Meacham Creeks.

Duration of the Project: The program was initiated in 1987, with the earliest projects undertaken in 1988. The program continues to receive funding from BPA. The status of specific projects is dependent on the duration and termination dates of individual lease agreements, which are normally in place for 15 and 25 years. Present lease agreements will be allowed to expire, except in cases where future involvement is considered to be a high priority.

Lead Entity: ODFW

Project Authorization: This program has evolved from the rolling provincial review process developed by the Northwest Power Planning Council in response to recommendations from the Independent Scientific Review Panel and the Columbia Basin Fish and Wildlife Authority.

Responsibility for Project Implementation: BPA and ODFW

Funding Source: BPA

Limiting Factors: water quality, habitat

Accomplishments and/or Failures: Accomplishments: As of the end of 2003, outputs from individual projects include: 319.8 acres under lease, 16.32 miles of riparian fencing, 53 stream crossings, 23 water gaps, 350 instream structures within 12.56 miles of stream. These projects have benefited the primary target species (summer steelhead) in addition to other resident fish and wildlife in the subbasin by re-establishing key riparian habitat features, stabilizing streambanks, improved floodplain function, and provide overhead canopy cover inside the leased corridors. Failures: Early projects were often washed out by floods. It was determined that these projects were too narrow in scope, and did not address the root problems. More recent projects have been more successful by recreating sinuous/stable channel configurations, planting copious amounts of native vegetation to recreate riparian habitat, and moving existing fences further out on the floodplain to prevent livestock damage of newly created buffers.

Relation to Other Activities in the Subbasin: This project works jointly with the CTUIR's program to Enhance Umatilla River Basin Anadromous Fish Habitat.

Large Scale Effects: This program plays a significant role in implementing measures to augment the recovery of the summer steelhead Middle Columbia River Evolutionarily Significant Unit (ESU), which is federally listed as threatened. Specifically, habitat measures implemented in the Umatilla subbasin are expected to increase numbers of

steelhead in the Umatilla subbasin which will benefit the Middle Columbia ESU. The impact of this program extends, in an ecological context, throughout the life cycle of summer steelhead including the Columbia River and Pacific Ocean.

Project 13: Morrow County Conversion from Flood Irrigation to Sprinkler HUC 170701010401

- 1) Project Title.

OWEB Small Grants

- 2) Project description, location.

Convert from flood irrigation to sprinkler. HUC 170701010401

- 3) Goal(s) or objective(s).
Increase irrigation efficiency in West Extension Irrigation District.
- 4) Project beginning, ending or target completion date.
Begin 8/2003; Target completion date 2/2004.
- 5) Project manager.

Morrow SWCD

- 6) Project authorization.

OWEB

- 7) Project implementation responsibility.
Morrow SWCD/West Extension Irrigation District (WEID)
- 8) Funding source.
OWEB/WEID/landowners.
- 9) Limiting factors or ecological processes project is designed to address.
Water quality/quantity
- 10) Accomplishments and/or failures. Goals met or if not, what problems were encountered.
- 11) Relation to other activities in the subbasin.
- 12) Program extension beyond subbasin (provincial & basin-wide).

Part V. Contact Information:

Name: Janet Greenup

Title: District Manager

Phone Number: 541-676-5452 x109

E-Mail: janet-greenup@or.nacdnet.org

Regular Mail: Morrow SWCD; PO Box 127; Heppner, OR 97836

Project 14: Morrow County Livestock disbursement/watering facility/spring developments

- 1) Project Title.

OWEB Small Grants

- 2) Project description, location.
Livestock disbursement/watering facility/spring developments. HUC 170701040902; 170701033201; 170701033401
- 3) Goal(s) or objective(s).
Develop existing springs for livestock, disburse livestock for more efficient use of range/pastureland.
- 4) Project beginning, ending or target completion date.

Begin 5/2003. Scheduled ending 12/2003

- 5) Project manager.

OWEB; Morrow SWCD

- 6) Project authorization.

OWEB

- 7) Project implementation responsibility.

Morrow SWCD

- 8) Funding source.

OWEB

- 9) Limiting factors or ecological processes project is designed to address.
Rangeland health;
- 10) Accomplishments and/or failures. Goals met or if not, what problems were encountered.
Goals met.
- 11) Relation to other activities in the subbasin.
Similar projects occur in the subbasin.
- 12) Program extension beyond subbasin (provincial & basin-wide).
Similar projects occur basin-wide.

Part V. Contact Information:

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Title: District Manager

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Project 15: Morrow County EQIP Direct Seed

- 1) Project Title.
- 2) EQIP Direct Seed
- 3) Project description, location.

Demonstration project, direct seed/annual cropping conversion from winter wheat/summer fallow rotation on cropland. Contracts include 1 year of a non-traditional crop i.e. mustard, canola, lentils, Austrian peas, garbonzo, safflower.

HUC: 170701040902; 3 yr contract 1998-2002 (80 ac)

170701040902; 4 yr contract 2002-2006 (237.2 ac)

170701040902; 4 yr contract 2002-2006 (231.7 ac)

170701040902; 4 yr contract 2002-2006 (12.0 ac)

(note: above contracts are on different tracts)

170702040501; 1998-2004 (80 ac)

170701040402; 1999-2003 (80 ac)

170701040801; 2000-2004 (80 ac)

170701041002; 2000-2004 (80 ac)

170701041001; 2002-2006 (80 ac)

170701040401; 2002-2006 (80 ac)

170701040901; 2002-2006 (250 ac)

170701041102; 2002-2006 (80 ac)

170701041102; 2003-2007 (80 ac)

170701010601; 2002-2008 (165 ac)

170701041002; 2002-2006 (250 ac)

- 4) Goal(s) or objective(s).
Increase soil tilth, reduce wind and water erosion, increase organic matter.
- 5) Project beginning, ending or target completion date.
See above
- 6) Project manager.

NRCS-Heppner FO

- 7) Project authorization.

USDA federal farm bill

- 8) Project implementation responsibility.

USDA NRCS, federal farm bill, landowners

- 9) Funding source.

USDA

- 10) Limiting factors or ecological processes project is designed to address.

Soil erosion higher than soil tolerance

- 11) Accomplishments and/or failures. Goals met or if not, what problems were encountered.

Extended drought has not allowed the practice to show benefits.

- 12) Relation to other activities in the subbasin.
Other landowners are also trying direct seeding without federal cost-share dollars.

- 13) Program extension beyond subbasin (provincial & basin-wide).

Federal programs extend beyond subbasin

Part V. Contact Information:

Name: NRCS

Title: District Conservationist/ Soil Conservationist

Phone Number: 541-676-5021 x113

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Regular Mail: NRCS; PO Box 127; Heppner, OR 97836

Project 16: Morrow County EQIP Riparian / Range Improvements

- 1) Project Title.

EQIP Riparian/range improvements

- 2) Project description, location.
Rangeland, spring dev. HUC 170702041305 1079 acres 2001-2005
Riparian/rangeland improvement HUC 17070104040203 2000-2004
Rangeland, spring, trough, pipe HUC 170701040801 2002-2005
Rangeland, riparian improvement HUC 17070104050100 2002-2006
- 3) Goal(s) or objective(s).

Improve rangeland for grazing, improve riparian for fish & wildlife

- 4) Project beginning, ending or target completion date.

See above

- 5) Project manager.

NRCS

- 6) Project authorization.
USDA Farm bill
- 7) Project implementation responsibility.

NRCS, landowners

- 8) Funding source.

USDA farm bill

- 9) Limiting factors or ecological processes project is designed to address.
Lack of livestock disbursement, lack of water for livestock/fish & wildlife, lack of cover for fish & wildlife
- 10) Accomplishments and/or failures. Goals met or if not, what problems were encountered.
Goals met. One riparian project was cancelled due to beaver damage to riparian plantings.
- 11) Relation to other activities in the subbasin.
Similar projects conducted by SWCD w/OWEB, ODA funds.
- 12) Program extension beyond subbasin (provincial & basin-wide).

Farm bill extends beyond subbasin

Part V. Contact Information:

Name: NRCS

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Project 17: Morrow County Wildlife Watering Facilities

NOTE: I was going to include these with the OWEB, ODA wildlife watering projects and forgot.

- 1) Project Title.

Wildlife watering facilities

- 2) Project description, location.
Locations: 170701010602 (date 3/2001 (1 guzzler) CRP);
17070104050100 (date 11/2002 (4 guzzler) EQIP);
170701040302 (date 4/2001 (1 guzzler) CRP);

**170701041301 (date 6/2003-not complete (1 guzzler) CRP);
170701040302 (date 4/1999) CRP)**

- 3) Goal(s) or objective(s).
Increase water availability for wildlife.
- 4) Project beginning, ending or target completion date.
See above.
- 5) Project manager.

NRCS

- 6) Project authorization.

USDA

- 7) Project implementation responsibility.

NRCS, landowners

- 8) Funding source.

USDA Farm Bill

- 9) Limiting factors or ecological processes project is designed to address.
Fish & Wildlife benefits, increase water availability for wildlife in uplands
- 10) Accomplishments and/or failures. Goals met or if not, what problems were encountered.

Goals met

- 11) Relation to other activities in the subbasin.
Federal farm bill program, relates to other farm programs & SWCD projects
- 12) Program extension beyond subbasin (provincial & basin-wide).

Farm bill extends beyond basin

Part V. Contact Information:

Name: Connie Holmquist

Title: Soil Conservationist

Phone Number: 541-676-5021 x107

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Project 18: Morrow County Weed Control Reseeding Project

- 1) Project Title.

Reseed after weed control

- 2) Project description, location.
Range and pasturelands were reseeded to grass after an OWEB weed control grant.
HUC 170701040902
- 3) Goal(s) or objective(s).
Improve grass stand after weed control.
- 4) Project beginning, ending or target completion date.

Begin & end 3/2001

- 5) Project manager.

Morrow SWCD

- 6) Project authorization.
ODA SWCD small grant.
- 7) Project implementation responsibility.

Morrow SWCD/ landowners

- 8) Funding source.

OWEB/ODA small grant

- 9) Limiting factors or ecological processes project is designed to address.
Noxious weeds reduce the health and vigor of grass stands.
- 10) Accomplishments and/or failures. Goals met or if not, what problems were encountered.
Worked with two landowners who completed seeding.

Goals not met: Reseed ~500 acres. Landowners were either uninterested or timing wasn't right.

- 11) Relation to other activities in the subbasin.
CRP program includes grass seeding.
- 12) Program extension beyond subbasin (provincial & basin-wide).
N/A

Part V. Contact Information:

Name: Janet Greenup

Title: District Manager

Phone Number: 541-676-5452 x109

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Regular Mail: Morrow SWCD; PO Box 127; Heppner, OR 97836

Project 19: Morrow County Wildlife Habitat Incentive Program (WHIP)

- 1) Project Title.

Wildlife Habitat Incentive Program (WHIP)

- 2) Project description, location.

Increase and/or improve wildlife habitat

Spring dev./tree & shrub planting HUC 170701040501 2002-2007
Wildlife watering facility (guzzler) HUC 170701040902 2002-2007
Conservation cover HUC 170701010501 2001-2006
Conservation cover HUC 170701010501 2001-2006
Tree & shrub planting, guzzler HUC 170701010501 2001-2006
Tree & shrub planting HUC 170701010401 2001-2006

- 3) Goal(s) or objective(s).

Increase or improve wildlife habitat in the subbasin

- 4) Project beginning, ending or target completion date.

See above

- 5) Project manager.

Chet Hadley

- 6) Project authorization.

USDA Farm bill

- 7) Project implementation responsibility.

NRCS, landowner

- 8) Funding source.

USDA farm bill

- 9) Limiting factors or ecological processes project is designed to address.

Decreased or inadequate habitat for wildlife

- 10) Accomplishments and/or failures. Goals met or if not, what problems were encountered.

Goals were met.

- 11) Relation to other activities in the subbasin.

SWCD conducts similar projects

- 12) Program extension beyond subbasin (provincial & basin-wide).

Farm bill extends beyond subbasin

Part V. Contact Information:

Name: Chet Hadley

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Project 20: Morrow County ODA Small Grant Wildlife Watering Facility

- 1) Project Title.

Wildlife Watering Facility

- 2) Project description, location.
Installed 3 bird guzzlers. HUC 170701040301; 170701041002; 170701033601
- 3) Goal(s) or objective(s).
Increase water availability for wildlife.
- 4) Project beginning, ending or target completion date.

Begin 2001; Complete 4/2003

- 5) Project manager.

Morrow SWCD, Janet Greenup

- 6) Project authorization.

ODA SWCD small grant

- 7) Project implementation responsibility.

Morrow SWCD, landowners

- 8) Funding source.

OWEB, ODA, landowner

- 9) Limiting factors or ecological processes project is designed to address.
Lack of wildlife water in uplands.
- 10) Accomplishments and/or failures. Goals met or if not, what problems were encountered.
Accomplishments and goals met.
- 11) Relation to other activities in the subbasin.
Watering facilities were also a component in general CRP, EQIP and the Wildlife Habitat Incentive Program (WHIP).

- 12) Program extension beyond subbasin (provincial & basin-wide).
Federal programs extend beyond the subbasin.

Part V. Contact Information:

Name: **Janet Greenup**

Title: **District Manager**

Phone Number: **541-676-5452 x109**

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Regular Mail: **Morrow SWCD; P.O. Box 127; Heppner, OR 97836**

Project 21: OREGON DEQ ADMINISTERS THE US ENVIRONMENTAL PROTECTION AGENCY CLEAN WATER ACT SECTION 319 PROGRAM. GRANTS THROUGH THIS PROGRAM HAVE PROVIDED FOR RIPARIAN RESTORATION, UPLAND BEST MANAGEMENT PRACTICES. I ASSUME THE PROJECT MANAGERS ARE RESPONDING TO THIS QUESTIONNAIRE: UMATILLA COUNTY SWCD (CONSERVATION TILLAGE – 5 PROJECTS), CONFEDERATED TRIBES OF THE UMATILLA INDIAN RESERVATION (BUCKAROO CREEK, MEACHAM CREEK RESTORATION PLANNING), OREGON WATER COALITION (ECHO MEADOWS RECHARGE PROJECDT).

CONTACT INFO FOR UMATILLA BASIN AND WILLOW CREEK TMDLS:

Don Butcher

Department of Environmental Quality

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Pendleton, OR 97801

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butcher.don@deq.state.or.us

22) Umatilla National Forest response by Del Groat

Forest Service project activity has been limited in this watershed in the last five years. I've been unable to dig up complete information to satisfy this request. A change in computer programs for writing and storage was made during this time frame. Documentation was either archived or not brought forward for already completed projects. Most of our restoration work within the watershed was completed prior to 1998. In the interest in getting back to you ASAP, I will leave this section blank.

23) Stewards of the Umatilla River Environment (S.U.R.E.)

- 1) What is the title of the project?

Stewards of the Umatilla River Environment (S.U.R.E.)

- 2) Briefly describe the project, including its location.

S.U.R.E. is made up of volunteers who perform habitat enhancement projects in the 2 and ½ mile reach of the Umatilla River in Pendleton.

- 3) Briefly describe the goals or objectives of the project.

Goals are improvement of fish and wildlife habitat in the riparian corridor through Pendleton and public education about the local river ecosystem.

4) When did the program begin? When did it end or what is its target date for completion?

The program began in the spring of 2001. It has a tentative end in 2011.

5) Who is the manager or lead entity?

Betty Klepper is the Coordinator.

6) How was the project authorized?

It was not authorized.

7) Who is responsible for the project's implementation?

The Coordinator (a retired plant scientist) and several volunteers with specialized expertise in bird identification, weed control, and so on develop and implement the program.

8) What is the funding source?

Funds are provided by private donations of cash and by in-kind donations of services and rentals. The Umatilla Basin Watershed Council and the Umatilla County Soil and Water Conservation Service co-sponsored and provided Xeroxing and office services for a "Proper Functioning Condition" Workshop. SOLV provides free materials and safety assistance for cleanups under its Adopt-a-River program.

9) What limiting factors or ecological processes is the activity designed to address?

Enhancement of habitat along the river in Pendleton would include planting of native riparian trees for shade and wildlife cover on areas of the river where trees will not interfere with Corps of Engineers structures and their function in keeping flood waters contained. Additionally planting of native shrubs like choke cherry and elderberry will improve fall food supplies for birds. Nesting boxes have already been provided for wood ducks and song birds since old tree snags are scarce along that part of the river.

10) Summarize the accomplishments and/or failures of the activity. Have the projects' goals (both long and short term) been met? If not what problems were encountered?

S. U. R. E. is a ten-year project. Volunteers have removed in the first three years a total of more than three tons of trash from the river, removed three species (of the ten present) of noxious weed species from the two and one-half mile area, planted a demonstration garden for beautification of some horticultural species that will withstand the hot, dry levee environment, and installed 12 song-bird nesting boxes and 15 wood duck nesting boxes. S.U.R.E. sponsored a "Proper Functioning Condition" workshop in June 2002 for local farmers

and agency employees to raise consciousness about the positive impacts of management change in improving riparian habitat. S.U.R.E has solicited local writers for newspaper articles (48 so far) about the birds, fish, insects, mammals, plants and ecosystem of the Umatilla River. In coordination with the Pendleton Chamber of Commerce, bird lists of the 129 species of birds observed on the river over the past three years and a map of the best fishing holes in town have been developed using information from local experts. S.U.R.E. coordinated with the Arts Center of Pendleton and the Childrens' Museum of Eastern Oregon to produce a special project to paint a public mural about the river ecosystem on one of the Entrances to the Pendleton River Parkway (essentially a levee-top walkway) and develop an interactive exhibit, "Rollin' on the River" for children ten and under. S.U.R.E. volunteers wrote and published a bird book for local fifth-grade classes describing 24 birds that live in the riparian areas in town. Plans are underway to write next year a book on plants of the Umatilla River in Pendleton, again written for the fifth grade classes. The long-term goal is to have a fifth-grade "River School" using the local river ecosystem for fifth-grade science enrichment. The long-term goal of planting native trees and shrubs is not yet ready to implement.

11) How does this project relate to other activities in the subbasin?

There are no formal relationships with other activities.

12) As applicable, describe the extent to which these programs and activities extend beyond the subbasin to larger scale (provincial and basin-wide)

The newspaper articles, bird lists, bird books for fifth-graders and other educational activities have wide-spread impact on raising the consciousness of local citizens.

Contact information:

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24) North & South Fork Umatilla River Structure Repair

- 1) What is the title of the project?
North and South Fork Umatilla River Structure Repair
- 2) Briefly (two or three sentences) describe the project, including its location (electronic versions of maps of the project or program are also appreciated).
The project repaired fish habitat structures that were damaged in the flood events of 1996-1997.
- 3) Briefly, describe the goal(s) or objective(s) of the project (be as quantitative as possible).

The structures were originally constructed to improve habitat for the reintroduced salmon and steelhead using the river. The repair was initiated to continue to provide this improved habitat to the aquatic species.

- 4) When did the project begin? When did it end or what is its target date for completion?
The project was started in July of 1998 and completed in 2 weeks time.
- 5) Who is the manager or lead entity for the project?
Umatilla National Forest
- 6) How was the project authorized?
Flood repair monies.
- 7) Who is responsible for the project's implementation?
Umatilla National Forest
- 8) What is the funding source?
Emergency flood repair funds.
- 9) What limiting factors or ecological processes is the activity designed to address?
Maintain productive habitat for the local fishery.
- 10) Summarize the accomplishments and/or failures of the activity. Have the projects goals (both short-term and long-term) been met? If not, what problems were encountered?
Significal damage was sustained by the original structures during the flood events. The repair consisted of placing the rocks in a keyed together structure not a cabled arrangement as originally constructed.
- 11) How does this project relate to other activities in the subbasin?
- 12) As applicable, describe the extent to which these programs and activities extend beyond the subbasin to a larger scale (provincial and basin-wide).

25) Butter Creek Range and Riparian Enhancement Project

1) What is the title of the project?

Butter Creek Range and Riparian Enhancement Project

2) Briefly (two or three sentences) describe the project, including its location

The Butter Creek Range and Riparian Projects promotes the restoration of upland and riparian areas through grazing management, stream bank stabilization and wildlife enhancements.

Upper Butter Creek Watershed
HUC 1707010328
HUC 1707010329
HUC 1707010330

3) Briefly, describe the goal(s) or objectives(s) of the project (be quantitative as possible).

- Improve water quality within the project area by addressing the impact livestock have on the upland and riparian area.
- Provide landowners with grazing management tools to improve their individual range conditions.

4) When did the program begin? When did it end or what is its target date for completion?

The Butter Creek project started in 1999 with funding provided by Natural Resources Conservation Service (NRCS), U.S. EPA-RGI Region 10 and Oregon Watershed Enhancement Board. The project continues through 2004 with funding from EPA and Oregon Watershed Enhancement Board.

5) Who is the manager or lead entity for the project?

The program is administered through the Umatilla County Soil and Water Conservation District.

6) How was the project authorized?

N/A

7) Who is responsible for the project's implementation?

Umatilla County Soil & Water Conservation District and Natural Resources Conservation Service - Pendleton

8) What is the funding source?

Natural Resources Conservation Service – EQIP Priority Area
Environmental Protection Agency – Regional Geographic Initiative Region 10
Pheasants Forever – Sage Basin Chapter
Oregon Watershed Enhancement Board

9) What limiting factors or ecological processes is the activity designed to address?

Based on 1997-98 sediment monitoring data Butter Creek contributed 9% of the annual Total Suspended Solids to the Umatilla River and 11% in 1999-2000. Butter Creek watershed is designated as needing a 9% reduction in upland erosion and 82% reduction in stream bank erosion to meet the TMDL target for in stream sediment concentration. Butter Creek is listed on ODEQ 303 list for bacteria during the period of April to October.

10) Summarize the accomplishments and/or failures of the activity. Have the projects' goals (both short-term and long term) been met? If not what problems were encountered?

- 23 miles of riparian and cross fencing
- 28 upland spring developments
- 5 off stream watering systems
- 100,000 acres in improved grazing management systems
- 1 Improved Animal Feeding Operation
- 3 Stream bank stabilization projects
- 1 stream channel reconstruction assessment conducted by USFS

The projects goals have been met to begin implementing grazing management practices that will have a long-term benefit to the watershed. Surrounding landowners continue to join the project.

11) How does this project relate to other activities in the subbasin?

Butter Creek Range and Riparian Enhancement Project established in 1998 as an SWCD priority project area and NRCS Environmental Quality Incentive Program Geographic Priority Area.

12) As applicable, describe the extent to which these programs and activities extend beyond the subbasin to larger scale (provincial and basin-wide)

26) Umatilla County SWCD Direct Seed Incentive Program

1) What is the title of the project?

Soil and Water Conservation District Direct Seeding Incentive Program

2) Briefly (two or three sentences) describe the project, including its location

The Umatilla County Soil & Water Conservation District provided a \$ 10 per acre incentive to 63 growers in the Umatilla & Walla Walla basin for the implementation of “Direct Seeding” residue management methods.

3) Briefly, describe the goal(s) or objectives(s) of the project (be quantitative as possible). A major limiting factor in water quality for the Umatilla Basin is sedimentation. No-till farming has long been recommended and practiced as a best agricultural management practice (BMP) in the PNW dry land farming towards reducing surface runoff and erosion, improving soil quality, increasing water infiltration, and reduce evaporation and keep higher soil moisture. Implementation of Direct Seeding and intensive rotations will greatly reduce the amount of sediment produced from agricultural activities. The adoption of direct seeding in the basins has been slow due to a lack of demonstrated effectiveness, long-term financial sustainability and high initial cost of equipment.

4) When did the program begin? When did it end or what is its target date for completion?

The Direct Seeding project started in 1997 with funding provided by U.S. EPA and ODEQ. The project continues through 2004 with funding form EPA and Oregon Watershed Enhancement Board.

5) Who is the manager or lead entity for the project?

The program is administered through the Umatilla County Soil and Water Conservation District with assistance from OSU Extension and Natural Resources Conservation Service.

6) How was the project authorized?

N/A

- 7) Who is responsible for the project's implementation?

Umatilla County Soil & Water Conservation District, OSU Extension – Pendleton,
Natural Resources Conservation Service - Pendleton

- 8) What is the funding source?

Environmental Protection Agency
Oregon Department of Environmental Quality
Oregon Watershed Enhancement Board

- 9) What limiting factors or ecological processes is the activity designed to address?

Excessive sedimentation adversely affects stream water quality and fish habitat by degrading and reducing spawning habitat (Alexander and Hansen, 1986; Chapman and McLeod, 1987). Low in stream flow and the related high temperature in summer time have been recognized as a critical impairment of salmon as well as other endangered fish species habitats in Pacific Northwest (PNW). Approximately One third and one eighth of the reported impairment of water body in PNW are suffering thermal modification and elevated sedimentation/siltation, respectively. Low flow reduces the available rearing habitat, hinders the movement of juveniles, and affects adult migration. and the related high summer temperature directly affects the entire aquatic ecosystem including fish survival, growth, and reproduction (Sinokrot and Stefan, 1993). High stream temperatures have reduced or eliminated a large percentage of habitats in agricultural watersheds during summer and fall throughout the PNW and presently, many streams have been placed on the 303 (d) list due to temperature and sediment related problems.

The farming practice of Direct Seeding is part of a residue management system that increases amounts of crop residue left in the field which can reduce the amount of upland erosion. The dominant erosion processes in the sub basin are surface erosion by sheet wash, rills, gullies and bank erosion (ODEQ 2000). Neither EPA nor the State of Oregon has numeric water quality standards for suspended solids or streambed fines. Umatilla Basin fisheries however determined through basin-specific knowledge and literature review that 30 NTU in stream turbidity standard will protect aquatic species (ODEQ 2000) The 30 NTU target was correlated to TSS data to derive watershed concentrations/loading capacities. Streams or watersheds in excess of this value were placed on the 303(d) list for standards violation (Umatilla).

10) Summarize the accomplishments and/or failures of the activity. Have the projects' goals (both short-term and long term) been met? If not what problems were encountered?

- Starting in 1997 the Direct Seeding program has paid incentives on 19,498 acres. The number of direct seed drill owned by operators has grown from one to sixteen.
- The number of acres to the sub basin under conservation tillage increased to 92,190 acres (NRCS Crop Residue Survey 2002).
- 42 of the 50 cooperators participating in the program are still utilizing direct seeding on all or a portion of their farm acres.
- Soil loss during this time reduced from 785 tons per acres to 92.5 tons per year

11) How does this project relate to other activities in the subbasin?

Direct Seeding is listed as an effective Best Management Practice in the Umatilla and Walla Walla Agricultural Water Quality Management Plans. Direct seeding is identified as a Best Management Practice to reduce sedimentation in the Umatilla Basin TMDL.

12) As applicable, describe the extent to which these programs and activities extend beyond the subbasin to larger scale (provincial and basin-wide)

Several active programs, to promote the practice of direct seeding, are located throughout the Columbia and Snake Basins.

27) North and South Fork Umatilla River Structure Repair

- 1) What is the title of the project?
North and South Fork Umatilla River Structure Repair
- 2) Briefly (two or three sentences) describe the project, including its location (electronic versions of maps of the project or program are also appreciated).
The project repaired fish habitat structures that were damaged in the flood events of 1996-1997.
- 3) Briefly, describe the goal(s) or objective(s) of the project (be as quantitative as possible).
The structures were originally constructed to improve habitat for the reintroduced salmon and steelhead using the river. The repair was initiated to continue to provide this improved habitat to the aquatic species.
- 4) When did the project begin? When did it end or what is its target date for completion?
The project was started in July of 1998 and completed in 2 weeks time.

- 5) Who is the manager or lead entity for the project?
Umatilla National Forest
- 6) How was the project authorized?
Flood repair monies.
- 7) Who is responsible for the project's implementation?
Umatilla National Forest
- 8) What is the funding source?
Emergency flood repair funds.
- 9) What limiting factors or ecological processes is the activity designed to address?
Maintain productive habitat for the local fishery.
- 10) Summarize the accomplishments and/or failures of the activity. Have the projects goals (both short-term and long-term) been met? If not, what problems were encountered?
Significal damage was sustained by the original structures during the flood events. The repair consisted of placing the rocks in a keyed together structure not a cabled arrangement as originally constructed.
- 11) How does this project relate to other activities in the subbasin?
- 12) As applicable, describe the extent to which these programs and activities extend beyond the subbasin to a larger scale (provincial and basin-wide).

28) Oregon Water Resources Department – Pendleton office

- 1) What is the title of the project? Umatilla Basin Project
- 2) Briefly describe the project, including the location. The project is a fish restoration project that pumps water from the Columbia River to three irrigation districts in lieu of them diverting their normal supply of water from the Umatilla River and McKay Reservoir. Using this Columbia River water, the district(s) forego their diversion from the Umatilla River and McKay Reservoir, thus leaving water in the Umatilla River for fishery enhancement.
- 3) Briefly describe the goal(s) or objective(s) of the project (be as quantitative as possible). The goal was to restore and enhance the fishery in the Umatilla Basin. The Confederated Tribes of the Umatilla Indian Reservation (CTUIR) probably has a quantitative goal of how many fish they want to return and the different species.
- 4) When did the project begin? When did it end or what is its target date for completion? The actual federal legislation was passed on October 1988 as Public

Law 100-57. Phase I became operational in 1993 and Phase II in 1995. In 1999 Phases I and II were 100% operational.

- 5) Who is the manager or lead entity for the project? The lead is the U.S. Bureau of Reclamation (BOR) with many cooperators and partners such as: Stanfield Irrigation District; West Extension Irrigation District; Hermiston Irrigation District; Oregon Water Resources Department; Oregon Department of Fish and Wildlife (ODFW); CTUIR; and Bonneville Power Administration, to name a few.
- 6) How was the project authorized? The project was authorized by Congress in 1988.
- 7) Who is responsible for the project's implementation? Project implementation is largely done by BOR with assistance from OWRD, ODFW, and CTUIR.
- 8) What is the funding source? The initial funding was authorized by Congress. The various entities noted above have assisted in funding the ongoing implementation in one way or another, either as direct or in-direct costs.
- 9) What limiting factors or ecological processes is the activity designed to address? The project is designed to augment flows in the Umatilla River when flows are not adequate for fish migration.
- 10) Summarize the accomplishments and/or failures of the activity. Have the projects' goals (both short-term and long term) been met? If not what problems were encountered? From what I understand, the goals projected for number of fish returning to the Umatilla River as a result of the Umatilla Basin Project have not been met. In particular I believe the fall chinook returns have fallen well short of the stated goal. It would be best to contact ODFW and CTUIR to get an accurate response to this question.
- 11) How does this project relate to other activities in the subbasin? OWRD has been involved in numerous other activities in the subbasin as part of the Oregon Plan for Salmon and Watersheds. These include numerous fish restoration projects such as: irrigation dam diversion replacement; leasing of water rights instream, riparian improvement projects, surface water to ground water transfers that eliminate the need for fish screening; and regulating water users to protect instream flows for fish. Other agencies and entities in the basin can add the considerable number of projects they have been involved with
- 12) As applicable, describe the extent to which these programs and activities extend beyond the subbasin to larger scale (provincial and basin-wide) The restoration and improvement on the numbers of fish returning to the Umatilla benefit those outside the basin. It would be best to get a more precise statement from the ODFW and CTUIR.

Mike, should we mention Phase III?

Part V. Contact Information:

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Regular Mail: Oregon Water Resources Department
116 SE Dorion
Pendleton, OR 97801

List of Respondents:

J. R. Cook, County Planner, Umatilla County Department of Resource Services and Development, 216 S.E. 4th Street, Pendleton, Oregon 97801, Ph: (541) 278-6252 – hard copy only, includes most sections of relevant ordinances for Part I in response.

Carla McLane, Planning Director, Morrow County, P.O. Box 40, Irrigon, Oregon 97882, Ph: (541) 922-4624 – sent hard copy and electronic copies (saved as McLaneMorrowCounty2 (WP) and McLaneMorrowCounty2.doc (Word)) and includes a copy of relevant section (saved as McLaneMorrowCounty1.doc).

Karen King, Regulatory Specialist for City of Pendleton, 1501 SE Byers Ave., Pendleton, OR 97801, Ph: (541) 276-3078, karen@ci.pendleton.or.us – electronic copies (saved as CityofPendletonHazMatSumforSubbasinPlan.wpd and CityofPendletonWTPSumforSubbasinPland.wpd)

Ray Denny, Umatilla County Soil and Water Conservation District, 1229 SE Third St, Pendleton, OR 97801, Ph: (541) 276-8170 – electronic copy (saved as InventoryQuestionnaireExampleRayDenny.doc).

Janet Greenup, Morrow County Soil and Water Conservation District Manager, P.O. Box 127, Heppner, Oregon 97836, Ph: (541) 676-5452, Fax: 541 (676-9624) – electronic copy (saved as CRPacresforMorrowCounty.doc, MorrowCountyExistingRestorationandConsProjectsCRP.doc, MorrowCountyExistingRestorationandConsProjectsbaile.doc, MorrowCountyExistingRestorationandConsProjectsDEQ.doc,

MorrowCountyExistingRestandConsProjectsMeas.doc,
MorrowCountyExistingRestandConsProjectsOwebFeed.doc,
MorrowCountyExistingRestandConsProjectsWMA.doc,
MorrowCountyExistingRestandConsProjectswilson.doc,
MorrowCountyExistingRestandConsProjectsWeeds.doc)

Mike Lambert, CTUIR

electronic copy (Files saved as:

Umat Sub Plan Inventory – CTUIR Fish Hab.doc for Legal Protections and Existing Plans

Inv Quest CTUIR Fish Hab Instream.doc for Instream and Bank Stabilization project

Inv Quest CTUIR Fish Hab Riparian.doc for Riparian enhancement project)

Tim Bailey, ODFW, Northeast Region. 73471 Mytinger Lane, Pendleton, OR 97801. Ph: (541) 276-2344, Fax: (541) 276-4414 – electronic copy (saved as Fish Hab_Projects Inventory T. Baily edits.doc)