

**APPENDIX K**

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**Recovery Action Accomplishments**

### Summary of Accomplishments

Critical Area Planting	Direct Seeding	Fencing	Pasture/Hayland Planting	Sediment Basins	Terrace Construction	Feedlot	Trees & Plants Planted	Maintenance & Operations	Pond Constructed	Water Developments	Windbreak	Riparian	Roof Runoff Management System	Heavy Use Area Protection	Livestock/Equipment Crossing	CREP Contracts	CREP Stream Miles	CREP Acres	Screens	Pipeline	Irrigation Efficiency Projects	Irrigation Efficiency Water in Trust	Flow Meters	EOIP	In-stream Structures	Passage Barriers	Smolt Trap Facility	Land Trust
acres	acres	feet	acres	number	feet	number	number	number	number	number	number	acres	number	acres	number	number	miles	acres	num	mile	number	cfs	number	acres	number	number	number	acres
2	2888	1808	105	22	19354	2	6600	7	2	17														22140	323	1	1	8700
2	4077	14606	694			2	22300																		328	2		49
2	6183.6	91882	196.7	2	300	1	94570		6	14	1														3	2		247
7	4652.2	68272	223.9	1	9100		35470		4	20	1																	55
27.9	2580.9	40733	208.8	11			6200		2	32		49	1	2	1	28	60.7	1145.6										60
60	47000					3				1							76	1000	30	1								279
	2000	87890					217015			37						34	51	1034		4.5	5	11.368	34					
		28434					132941			8						54	41	820			1		18					
		75223					117192			3							157		34				114					
		80505					48134			14							146		18				184					
							1167602			4		2443					12		246									
																			308									
																			4									
																			2									
100.9	69381.7	489353	1428.4	36	28754	8	1848024	7	14	150	2	2492	1	2	1	116	543.7	3999.6	642	5.5	6	11.368	350	22140	704	5	1	9390

## Projects by Entity

### Asotin CCD

#### 2001

2 acres of Critical Area Planting  
2,888 acres of Direct Seeding (All)  
1808 ft. Fencing  
105 acres of Pasture/Hayland Planting  
6600 trees for Reforestation  
22 Sediment Basins Constructed  
19,354 ft. Terrace Construction  
2 Feedlot Improvements

#### 2002

2 acres of Critical Area Planting  
4,077 acres of Direct Seeding (All)  
14,606 ft. Fencing  
694 acres of Pasture/Hayland Planting  
22,300 Trees Planted  
6 Sediment Basins Constructed  
7 Sediment Basins Repaired/Cleaned Out  
12,331 ft. Terrace Constructed  
2 Feedlot Improvements  
2 Pond Constructed  
17 Water Developments

#### 2003

2 acres of Critical Area Planting  
6183.6 acres of Direct Seeding (All)  
91,882 feet of Fencing (All)  
196.7 acres of Pasture/Hayland Planting  
94,570 Trees Planted  
2 Sediment Basins Constructed  
300 feet of Terrace Constructed  
1 Feedlot Improvements  
6 Pond Constructed  
14 Water Developments  
1 Windbreak

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7 acres of Critical Area Planting  
4652.2 acres of Direct Seeding (All)  
68,272 feet of Fencing (All)  
223.9 acres of Pasture/Hayland Planting  
35,470 Trees Planted  
1 Sediment Basins Constructed  
9,100 feet of Terrace Constructed  
4 Pond Constructed  
20 Water Developments  
1 Windbreak

**2005**

27.9 acres of Critical Area Planting  
49 acres of Long Term Riparian Forest Buffer  
2580.9 acres of Direct Seeding (All)  
40,733 feet of Fencing (All)  
208.8 acres of Pasture/Hayland Planting  
6,200 Trees Planted  
11 Sediment Basins Constructed  
2 Multi Purpose Ponds Constructed  
1 Roof Runoff Management System  
2 acres of Heavy Use Area Protection  
32 Water Developments  
1 Livestock/Equipment Crossing

CREP (as of December 31, 2005)  
28 CREP Contracts  
60.7 miles of stream in CREP  
1145.6 acres of CREP

**Pomeroy CD**

47000 acres direct seed  
1000 acres CREP protecting 76 miles of salmon stream  
Installation of 30 Screens  
3 DOE grants to improve management of livestock  
Windmill to provide offsite watering  
1 mile pipeline

**Columbia CD**

WRIA 25 - Tucannon      CREP 34 contracts, 1034 acres, 51 stream miles, 87,890 ft fencing, 37 off-site livestock water systems, 217,015 trees  
Livestock Water Quality 8 projects  
Irrigation Efficiency, 5 completed project: 948 acres, 27 new pivots and 5 pivot modifications, 11.368 cfs & 1,023.71 ac ft placed in trust, abandonment of 4 (3.33 miles) irrigation diversion ditches, eliminated 2 diversion point  
Flow Meters 34 Installed  
Non-CREP riparian – 28,434 ft fencing, 132,941 trees, 3 off-site livestock water system

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Diversion Screens 34 Installed  
 2514 Watershed Planning  
 NPCC Subbasin Planning  
 Salmon Recovery Planning  
 Water Temperature Modeling Study  
 Sediment & Cobble Embeddedness Study  
 WRIA 32 - Touchet CREP 54 contract, 820 acres, 41 stream miles, 75,223 ft fencing, 14 off-site livestock water system, 117,192 trees  
 Livestock Water Quality 4 projects  
 Flow Meters 18 Installed  
 Non-CREP riparian – 48,134 trees  
 Diversion Screens 18 Installed  
 2514 Watershed Planning  
 NPCC Subbasin Planning  
 Salmon Recovery Planning

Walla Walla CCD

2000 acres direct seed 2001-2003  
 NRCS 22140 acres EQIP  
 Riparian work  
 157 stream miles  
 2443 acres  
 1,167,602 plants  
 80,505 feet fencing  
 In-stream  
 323 structures – partnership with Tri-State Steelheaders & CTUIR  
 Passage Barriers  
 Yellowhawk Creek - removed  
 246 fish screens installed  
 114 flow meters installed  
 Installed pivot irrigation on 487  
 4.5 miles buried pipe and pumping system saving 2650gl/mi  
 146 miles of CREP Riparian Buffers  
 308 Fish Screen Installations  
 184 Meters installed  
 Irrigation Efficiency: 4.5 miles of pipeline, 770 acres (Call Rick for more helpful numbers)  
 328 Instream projects and fish barriers removed

CTUIR

2 dam removals  
 3 adult ladders  
 4 juvenile screens  
 1 smolt trap facility  
 2 fish screen – ditch consolidations

These 3 are included  
 in the items above

~~Marie Dorian Dam removed~~  
~~Lower Walla Walla diversion—added rubber dam with passage slot~~

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**Lower Walla Walla diversion—new fish screens and trap facilities**

12 stream miles protected  
60 acres seeded to native grass  
50 instream improvements  
2 fish passage improvements  
8700 acres – Rainwater protected including 10 stream miles  
49 acres on SF Walla Walla river, ½ stream miles  
[Walla Walla Hatchery Master Plan completed](#)  
[Adult spring Chinook outplanted 2000-04](#)  
[Juvenile spring Chinook releases 2005-06 from Little White Salmon NFH](#)  
M & E  
1989-2006 spawning surveys  
1998-2006 salmonid abundance  
1998-2006 age and growth  
1999-2006 genetics  
2001-06 adult passage  
2001-06 Subbasin out-migration studies  
2004-2006 thirty five miles of habitat surveys  
2004-2006 Rainwater and Walla Walla River action effectiveness studies  
2004-2006 LRSRB, NOAA, and Oregon recovery planning  
2006 RTT coordination and RM&E planning

**WWBWC**

Hudson Bay aquifer recharge  
Eastside diversion  
Highline ditch piping  
Powell-Pleasant View ditch Piping  
Lydell ditch piping  
Fish screen repairs

**WW W Alliance**

Milton ditch piping  
Oregon CRED  
Comprehensive irrigation district mgr plan  
Stream flow protection  
Urban irrigation efficiency pilot project  
Water Transactions – Columbia basin  
Water & environmental studies center

**WDFW**

Technical assistance  
Habitat enhancement/protection  
Hatchery actions  
Harvest actions  
R M & E  
Environmental permitting and review  
Planning Efforts

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6 sub-basin plans  
3 Bull Trout recovery plans  
2 watershed plans  
Limiting factors – model watershed  
Salmon recovery planning  
CCRP innovation pilot projects  
Engineered log jams - Tucannon  
Adult Passage improvements – Patit, Whiskey, Bennington,  
Screening projects CCRP. Bennington reservoir  
Constructed Screens for Burlingame, Smith/Nelson  
Lewis Creek  
Huntsville diversion - BPA  
Wilson Banner Ranch  
Habitat  
Wooten WA WHIP riparian  
Dayton ladder and screen  
Doan Creek channel realignment  
Stiller screens  
LIP projects – McEvoy, Yellowhawk  
Permit process & enforcement  
Habitat conservation plans  
Broughton Land  
Bi-State – Walla Walla Basin  
Land Acquisition/Exchange  
Hatchery Actions  
Supplementation of natural populations  
Captive Broodstock & conventional  
Mitigation hatchery - harvest  
Grande Ronde  
Tucannon  
Touchet  
Walla Walla  
Snake River  
Lyons Ferry Complex  
Harvest Actions  
Sets fishing regulations & seasons  
Enforcement  
Design, implement & monitor fisheries  
ESA consultation  
Steelhead and Salmon Fisheries  
R M & E  
LSRCP Hatchery evaluations  
BPA projects  
Walla Walla assessment

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Asotin Steelhead assessment  
Tucannon BT telemetry  
SRFB Project  
Assessment in small streams of Asotin, Whitman, Garfield counties  
USFWS Projects  
BT genetics, spawning survey, Touchet telemetry  
Conservation Districts  
Baseline fish and habitat assessments  
Pre & post evaluation of instream habitat treatments  
Spawning distribution & abundance steelhead and bull trout  
Smolt trapping – Tucannon and Asotin  
Adult trapping Tucannon, Asotin, Coppei, Touchet  
Genetic characterization

#### US Forest Service

Series of pictures

#### Tri-St Steelheaders

Nine-Miles riparian buffer – installed by WWCCD, maintained by TSS & WWCCD  
Hofer Dam – passage – this was an early attempt to remedy passage (built a plunge box), TSS is providing non-fed cost share on engineering for the current project  
Mill Creek – instream & riparian  
Walla Walla River – instream and riparian – is this the Johnson project?  
Hopson ranch – riparian – this project was never completed, the landowner backed out of CREP  
Garrison Creek – Instream habitat  
South Fork Coppei Creek 279 acres easement, riparian, in-stream  
Kooskooskie – passage barrier removal  
Yellowhawk – in-stream habitat  
Clayton Bridge – barrier removal  
N Fork Coppei Creek – 60 acres conservation easement  
Patit Creek – barrier removal  
Jim Creek – barrier removal  
Tate Creek – stream channel restoration  
Education Outreach at the following schools  
Asotin, Burbank, Clarkston, DeSales, Touchet, Waitsburg, Walla Walla Valley Academy, Garrison, Walla Walla Community College  
Partnered with CTUIR, WDFW, Chris Hyland to remove old dike and restore site near McDonald Rd on Walla Walla River

#### Blue Mtn Land Trt

247 acres Touchet River Easement  
Mill Creek/Titus Creek 55 acres

#### USDA/NRCS

Picture

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