

Appendix H

Fish Passage

Project Identification:	Project Name: Priority Habitats and Species/Growth Management Act (PHS/GMA)		
General Description: One Habitat Biologist working for WDFW maintains the PHS data base for Kittitas, Yakima, Benton and Franklin counties. This data base contains information about the locations and numbers of the highest priority habitats and species in the state. In addition to making the data available to planners, landowners and other agencies, this biologist also provides data interpretation and technical assistance for dealing with potential impacts/conflicts. Also serves as WDFW technical assistant to cities and counties that are planning under the Growth Management Act for fish and wildlife resources.			
Contacts: Mark Teske Ted Clausing	Project Phase: In Progress	Start Date: 1996	End Date: ongoing
Monitoring and Evaluation Type: value		Monitoring and Evaluation Status: value	
Primary Funder: WDFW	Secondary Funder: WDFW	Other Funder: WDFW	

Project Identification:	Project Name: Watershed Stewardship Biologist
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General Description:			
One habitat biologist working for WDFW engages in Watershed Planning, Lead Entity, Subbasin Planning, Salmon Recovery Planning, Regional Fisheries Enhancement Group, Salmon Recovery Funding Board and other planning efforts in the Yakima Basin			
Contacts: Richard Visser Ted Clausing	Project Phase: In Progress	Start Date: 1999	End Date: ongoing
Monitoring and Evaluation Type: value		Monitoring and Evaluation Status: value	
Primary Funder:	Secondary Funder:	Other Funder:	

Project Identification: 199603501	Project Name: SATUS CREEK WATERSHED RESTORATION		
General Description:			
Location: YAKIMA SUBBASIN			
Summary Description: Improve fish habitat in the 400,000 acre Satus Creek watershed (Yakama Reservation) by ameliorating major land-use impacts, rehabilitating improperly functioning ecosystem processes, and monitoring physical and biological response. This watershed is critical to steelhead recovery. It currently produces 35-50% of the steelhead in the Yakima Subbasin.			
Contacts: Tom McCoy Shannon Adams	Project Phase: In Progress	Start Date: 7/15/96	End Date:
Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation	

Primary Funder: BPA	Secondary Funder: BPA	Other Funder: BPA
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Project Identification: 199803300	Project Name: TOPPENISH CREEK WATERSHED RESTORATION PROJECT		
General Description: Summary Description: Improve fish habitat in the Upper half of the Toppenish Creek watershed (Yakama Reservation) by ameliorating the major land-use impacts, (e.g. channelization, irrigation, floodplain development, road construction) rehabilitating improperly functioning ecosystem processes (e.g. poor riparian plant recruitment), and monitoring physical and biological response. This watershed is critical to steelhead recovery. It currently produces 30-40% of the steelhead in the Yakima Subbasin. This project was formed in January 2004 by combining two ongoing projects, the Upper Toppenish Creek Watershed Project (199803300) and the Toppenish-Simcoe Instream Flow Restoration Project (199705300). All information pertaining to previous years (e.g. budgets) will be inclusive of both contracts.			
Contacts: Tom McCoy Shannon Adams	Project Phase: In Progress	Start Date: 7/98	End Date:
Monitoring and Evaluation Type: Compliance		Monitoring and Evaluation Status: Compliance	
Primary Funder: BPA	Secondary Funder: BPA	Other Funder: BPA	

Project Identification:	Project Name: WDFW Enforcement Program
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General Description: WDFW Enforcement Program is responsible for the protection of fish and wildlife in the State of Washington.			
Contacts: Chuck Kohls Morgan Grant	Project Phase: In Progress	Start Date:	End Date:
Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation	
Primary Funder: State of Washington	Secondary Funder: State of Washington	Other Funder: State of Washington	

Project Identification: ?	Project Name: Manastash Restoration Project		
General Description: Cooperative project to address fish screening and passage issues on the lower 5 miles of Manastash Creek, a tributary to the Yakima River.			
Contacts: Carol Ready Anna Lael	Project Phase: In Progress	Start Date: 07/01/03	End Date: 12/31/06
Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation	
Primary Funder: Washington State Legislature	Secondary Funder: Washington State Legislature	Other Funder: Washington State Legislature	

Project Identification: IAC 02-1656R	Project Name: Dry/Cabin Creek Fish Passage & Screening		
General Description: This project involves correcting a fish passage barrier and two unscreened irrigation diversions on Dry and Cabin Creeks .			
Contacts: Anna Lael	Project Phase: In Progress	Start Date: 05/30/02	End Date: 12/31/06
Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation	
Primary Funder: Salmon Recovery Funding Board	Secondary Funder: Salmon Recovery Funding Board	Other Funder: Salmon Recovery Funding Board	

Project Identification: IAC 02-1494R	Project Name: Coleman Creek Fish Access		
General Description: This project addresses a fish passage barrier and uncontrolled intersection of a canal and a creek. Major tasks include the removal of a perched culvert (replaced by a bridge) and installation of control structures for the canal.			
Contacts: Anna Lael Anna Lael	Project Phase: In Progress	Start Date: 5/30/03	End Date: 12/31/06

Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation
Primary Funder: Salmon Recovery Funding Board	Secondary Funder: Salmon Recovery Funding Board	Other Funder: Salmon Recovery Funding Board

Project Identification: 198506200	Project Name: Yakima Screen Evaluation Project		
General Description: Evaluates fish screen facilities to determine whether they meet NOAA Fisheries fish protection criteria.			
Contacts: Geoffrey McMichael	Project Phase: In Progress	Start Date: 1985	End Date: ongoing
Monitoring and Evaluation Type: Compliance		Monitoring and Evaluation Status: Compliance	
Primary Funder: BPA	Secondary Funder: BPA	Other Funder: BPA	

Project Identification: 2002-025-00	Project Name: Bolin Screen
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General Description: Replaces non compliant fish screen with NOAA-Fisheries compliant screen			
Contacts: Dave Myra George Marshall	Project Phase: Complete	Start Date: 01/09/02	End Date: 31/09/02
Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation	
Primary Funder: BPA	Secondary Funder: BPA	Other Funder: BPA	

Project Identification: 2002-025-00	Project Name: Div 13 Screen		
General Description: Replace a unscreened diversion with a pump end screen			
Contacts: Dave Myra George Marshall	Project Phase: Complete	Start Date: 01/09/02	End Date: 31/09/02
Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation	
Primary Funder: BPA	Secondary Funder: BPA	Other Funder: BPA	

Project Identification: BPA # 98-034	Project Name: Reestablish Safe Access Into Tributaries of the Yakima Subbasin		
General Description: Safe Access attempts to reestablish fish passage by breaching/removing barriers and screening associated with unscreened diversions. Additionally, if possible, riparian function will be enhanced by establishing fenced buffers. Conversion to piping and pressurized irrigation will result in more water instream.			
Contacts: Henry Fraser Melvin Sampson	Project Phase: In Progress	Start Date: 1999	End Date: ongoing
Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation	
Primary Funder: BPA	Secondary Funder: BPA	Other Funder: BPA	

Project Identification: 2002-025-01	Project Name: Copeland Screen		
General Description: A Group made up of the North Yakima Conservation District, Kittitas County Conservation District, Kittitas County Water Purveyors, Ahtanum Irrigation District, Department of Fish and Wildlife and the South Central Washington RC&d			
Contacts: Dave Myra George Marshall	Project Phase: Complete	Start Date: 01/09/02	End Date: 31/09/02

Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation	
Primary Funder: BPA	Secondary Funder: BPA	Other Funder: BPA	

Project Identification: 200202501	Project Name: YTAHP, Yakima Tributary Access & Habitat Program		
General Description: The Yakima Tributary Access and Habitat Program (YTAHP) is a cooperative effort of conservation districts, irrigation interests and agencies to provide fish passage, diversion screening and riparian habitat improvements in the Yakima Basin.			
Contacts: Dave Myra	Project Phase: In Progress	Start Date: 01/10/01	End Date: 30/09/05
Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation	
Primary Funder: BPA	Secondary Funder: BPA	Other Funder: BPA	

Project Identification:	Project Name: Amon Basin - Fish Passage #2 (4/5)
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General Description:

Above the golf course where Willowbrook subdivision #2 was recently platted by the City of Richland four culverts will be removed, sprawl removed, the stream will be re-channeled to stream simulation with native plants and grasses planted on disturbed areas surrounding the stream and project.

Contacts: Nancy Aldrich	Project Phase: Proposed	Start Date:	End Date:
Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation	
Primary Funder:	Secondary Funder:	Other Funder:	

Project Identification:**Project Name:**

Amon Basin - Golf Course (3/5)

General Description:

Remove the primary fish barrier which, is an irrigation withdrawal pond with a stop log weir and a second culvert upstream with two small weir/pool fish ladders...stream simulation includes the removal of a 150 foot long culvert between the upper two lakes on the golf course which, creates 200 feet of natural stream bed when removed...there will be instream structures placed along this part of the channel to provide large woody debris and large rocks...Lake 16 and Lake 18 will be dredged from a current depth of 18" to 48" with the dredged material kept on site raising the golf course fairways, wet depressions and island on Lake 16. The estimated amount of dredged material is 6,500 cubic yards. Parts of the stream inlet, outlet and shoreline around lakes 16 and 18 will be planted with native woody vegetation so growth will enhance existing habitat.

Contacts: Nancy Aldrich	Project Phase: In Progress	Start Date:	End Date:
Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation	
Primary Funder: USFWS	Secondary Funder: USFWS	Other Funder: USFWS	

Project Identification:	Project Name: Amon Basin - Fish Passage #1 (2/5)		
General Description: Below irrigation flume east of Leslie Road remove two 36-inch flumes and replace with 18' arched culvert (field forming, pouring concrete and installing pre-cast arched culvert)...reconstructing gravel entrance from Leslie Road across the creek's arched culvert approximately 70 lineal feet...removal of some material in stream bed for natural instream flows to balance upstream and downstream...install a maintenance gate across roadway at east end of project area.			
Contacts: Nancy Aldrich	Project Phase: Proposed	Start Date:	End Date:
Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation	
Primary Funder:	Secondary Funder:	Other Funder:	

Project Identification: 2002-025-00	Project Name: Morton Screen		
General Description: See Copland Screen			
Contacts: Dave Myra George Marshall	Project Phase: Complete	Start Date: 01/09/02	End Date: 31/09/02
Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation	

Primary Funder: BPA	Secondary Funder: BPA	Other Funder: BPA
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Project Identification: X-1-D-2	Project Name: Ahtanum Creek Barrier Inventory		
General Description: WDFW conducted a watershed based inventory of all fish passage and unscreened or inadequately screened water diversions in the Ahtanum Creek subbasin.			
Contacts: Eric Egbers	Project Phase: Complete	Start Date: 11/02	End Date: 09/03
Monitoring and Evaluation Type: value		Monitoring and Evaluation Status: value	
Primary Funder: US Fish & Wildlife Service	Secondary Funder: US Fish & Wildlife Service	Other Funder: US Fish & Wildlife Service	

Project Identification: BPA 00010121, 00012186 SRFB 01-1269R	Project Name: Naches River Water Treatment Plant Screen		
General Description: Install NOAA approved fish screen at the Naches River Water Treatment Plant intake			

Contacts: David Brown David Brown	Project Phase: Complete	Start Date:	End Date:
Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation	
Primary Funder: BPA	Secondary Funder: BPA	Other Funder: BPA	

Project Identification:	Project Name: Robinson drainage Road Abandonment - L.T. Murray Wildlife Area		
General Description: Abandonment of 8.5 miles of stream-adjacent parallel road in the Robinson Canyon drainage.			
Contacts: Cindi Confer Leray Stream	Project Phase: Complete	Start Date: 01/08/03	End Date: 12/12/03
Monitoring and Evaluation Type: Compliance		Monitoring and Evaluation Status: Compliance	
Primary Funder: WDFW	Secondary Funder: WDFW	Other Funder: WDFW	

Project Identification: 2002-025-00	Project Name: Fruitvale Canal Survey		
General Description: Prepare survey of the CowicheCreek/Fruitvale irrigation Canal diversion to plan for the removal of the barrier to fish passage			
Contacts: Dave Myra Bill Gillespie	Project Phase: In Progress	Start Date: 01/06/02	End Date:
Monitoring and Evaluation Type: value		Monitoring and Evaluation Status: value	
Primary Funder: BPA	Secondary Funder: BPA	Other Funder: BPA	

Project Identification: 2002-025-00	Project Name: Hansen Screen		
General Description: Install NOAA-Fisheries compliant pump screen			
Contacts: Dave Myra George Marshall	Project Phase: Complete	Start Date: 01/09/02	End Date: 31/09/02
Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation	

Primary Funder: BPA	Secondary Funder: BPA	Other Funder: BPA
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Project Identification: 2002-025-00	Project Name: Glenn Screen		
General Description: Install NOAA-Fisheries compliant pump screen			
Contacts: Dave Myra George Marshall	Project Phase: Complete	Start Date: 01/09/02	End Date: 31/09/02
Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation	
Primary Funder: BPA	Secondary Funder: BPA	Other Funder: BPA	

Project Identification: 2002-025-00	Project Name: Clark Screen		
General Description: Install NOAA-Fisheries compliant pump end screen			

Contacts: Dave Myra George Marshall	Project Phase: Complete	Start Date: 01/09/02	End Date: 31/09/02
Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation	
Primary Funder: BPA	Secondary Funder: BPA	Other Funder: BPA	

Project Identification: 26005 AP	Project Name: YTAHP - Early Actions		
General Description: Yakima Tributary Access and Habitat Program under BPA Action Plan funding implemented early action projects to provide fish passage, screen surface water diversions and provide opportunities to improve riparian habitat.			
Contacts: Dave Myra	Project Phase: Complete	Start Date: 01/04/01	End Date: 30/09/01
Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation	
Primary Funder: BPA	Secondary Funder: BPA	Other Funder: BPA	

Project Identification: 200202200	Project Name: Big Creek Fish Passage and Screens		
General Description: Remove fish barrier (dam), construct fish passage weirs, install fish screens on the Lund and Darling irrigation diversions.			
Contacts: Eric Egbers	Project Phase: In Progress	Start Date: 10/02	End Date: 09/04
Monitoring and Evaluation Type: Compliance		Monitoring and Evaluation Status: Compliance	
Primary Funder: Bonneville Power Administration	Secondary Funder: Bonneville Power Administration	Other Funder: Bonneville Power Administration	

Project Identification:	Project Name: Phase II Fish Screen Construction		
General Description: Construction of fish screens at various sites in the Yakima Basin.			
Contacts: Dennis Hudson Walter Larrick	Project Phase: In Progress	Start Date: 05/93	End Date: In Progress
Monitoring and Evaluation Type: Validation		Monitoring and Evaluation Status: Validation	

Primary Funder: BPA	Secondary Funder: BPA	Other Funder: BPA
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Project Identification: IAC #00-1711R	Project Name: Buchanan Ranch Restoration Project		
General Description: This Project is located at the mouth of the Wenas Creek at the Yakima River (RM 122.4R). The project will provide funds for full restoration of the riparian/flood plane habitat (100 acres and 2 miles) of this property. This project has been done in conjunction with the Bureau of Reclamation			
Contacts: Michael Tobin same	Project Phase: In Progress	Start Date: 2001	End Date: 2005
Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation	
Primary Funder: SRFB/IAC	Secondary Funder: SRFB/IAC	Other Funder: SRFB/IAC	

Project Identification: BPA Project No. 2002-021-00	Project Name: Reduce Temperatures in the Teanaway		
General Description: Monitoring of current water quality/quantity conditions, riparian and floodplain tree planting, changing points of diversion and upgrading on-farm irrigation systems.			

Contacts: Anna Lael Pat Irle, DOE	Project Phase: In Progress	Start Date: 05/01/02	End Date: 03/31/04
Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation	
Primary Funder: Bonneville Power Administration via DOE	Secondary Funder: Bonneville Power Administration via DOE	Other Funder: Bonneville Power Administration via DOE	

Project Identification: P08L0199033	Project Name: Simcoe Creek Fish Screen		
General Description: Fabricate and install a portable modular fish screen on Simcoe Narrows Ditch.			
Contacts: Pat Schille	Project Phase: Complete	Start Date: 6/99	End Date: 2/00
Monitoring and Evaluation Type: value		Monitoring and Evaluation Status: value	
Primary Funder: Bureau of Indian Affairs	Secondary Funder: Bureau of Indian Affairs	Other Funder: Bureau of Indian Affairs	

Project Identification: 199105700	Project Name: Chapman Nelson Fish Screen		
General Description: Fabricate and install a replacement modular fish screen on the Chapman Nelson irrigation diversion.			
Contacts: Eric Egbers	Project Phase: Complete	Start Date: 01/01	End Date: 12/01
Monitoring and Evaluation Type: value		Monitoring and Evaluation Status: value	
Primary Funder: Bonneville Power Administration	Secondary Funder: Bonneville Power Administration	Other Funder: Bonneville Power Administration	

Project Identification: IAC 00-1003	Project Name: Re-Establish Access to Lower Wilson Creek		
General Description: Correct 2 barriers to fish passage, install a fish screen, reduce irrigation water withdrawals by upgrading the irrigation system, fencing & planting along Wilson Creek			
Contacts: Anna Lael Anna Lael	Project Phase: In Progress	Start Date: 8/31/03	End Date: 06/30/04

Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation
Primary Funder: Washington Conservation Commission	Secondary Funder: Washington Conservation Commission	Other Funder: Washington Conservation Commission

Project Identification: 199105700	Project Name: Lewis Fish Screen		
General Description: Fabricate and install a replacement modular fish screen on the Lewis irrigation diversion.			
Contacts: Eric Egbers	Project Phase: Complete	Start Date: 07/01	End Date: 12/01
Monitoring and Evaluation Type: value		Monitoring and Evaluation Status: value	
Primary Funder: Bonneville Power Administration	Secondary Funder: Bonneville Power Administration	Other Funder: Bonneville Power Administration	

Project Identification:	Project Name: Mercer Creek Fish Screen
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General Description: Fabricate and install a small portable rotary wiper fish screen on the Mercer Creek irrigation diversion.			
Contacts: Pat Schille	Project Phase: Complete	Start Date: 01/00	End Date: 02/00
Monitoring and Evaluation Type: value		Monitoring and Evaluation Status: value	
Primary Funder: Kittitas County Public Works	Secondary Funder: Kittitas County Public Works	Other Funder: Kittitas County Public Works	

AQUATIC High Temperature

Project Identification:	Project Name: South Riggs Road Abandonment - L.T. Murray Wildlife Area		
General Description: Abandonment of 4775 feet of stream-adjacent parallel road in the Manastash drainage.			
Contacts: Cindi Confer Leray Stream	Project Phase: Complete	Start Date: 01/10/02	End Date: 15/11/03
Monitoring and Evaluation Type: Compliance		Monitoring and Evaluation Status: Compliance	

Primary Funder: WDFW	Secondary Funder: WDFW	Other Funder: WDFW
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Project Identification: 199901300	Project Name: Ahtanum Creek Watershed Assesment		
General Description: Map irrigated lands & water delivery stems, measure water discharge & temperature. Determine efficiency of irrigation water conveyance & use. Gather data on stream channel condition, riparian function & salmonid populations in the Ahtanum Creek watershed. Rehabilitate degraded habitat and manage irrigation/instream flows.			
Contacts: Tom McCoy Brandon Rogers	Project Phase: In Progress	Start Date: 01/10/99	End Date:
Monitoring and Evaluation Type: Compliance		Monitoring and Evaluation Status: Compliance	
Primary Funder: BPA	Secondary Funder: BPA	Other Funder: BPA	

Project Identification: Wildlife Extension Agreement #144210J606	Project Name: Monson Project #1
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General Description:

This Project is part of an overall effort to re-establish the "Taylor Ditch" as a side channel of the Yakima River in the east-selah floodplain area. This Project will restore riparian habitat along 2500 ft. of the waterway. Project activities are supported as a result of findings within the "Taylor Ditch Habitat Assessment Project: phase one report". This assessment identified lack of riparian area and water quality to be the limiting factors in the use of the Taylor Ditch as a side channel habitat. The assessment also identifies the ditch as being used by spring chinook, coho, and rainbow trout. The Yakima Mainstem in this area also supports steelhead and has the potential for bull trout rearing and migration.

Contacts: Michael Tobin same	Project Phase: Complete	Start Date: may 2003	End Date: december 2003
Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation	
Primary Funder: USFW	Secondary Funder: USFW	Other Funder: USFW	

Project Identification: 199704700	Project Name: YAKIMA RIVER BASIN SIDE CHANNEL SURVEY AND REHAB		
General Description: Reconnect tributaries and side channels, create new side channels, construct instream deflectors along straightened reaches, and overbuild portions of levees such that riparian trees will be permitted to thrive. Focus on the Wapato Reach of the Yakima R.			
Contacts: Scott Nicolai	Project Phase: In Progress	Start Date: 01/11/97	End Date: 01/30/03

Monitoring and Evaluation Type: value		Monitoring and Evaluation Status: value	
Primary Funder: BPA	Secondary Funder: BPA	Other Funder: BPA	

Project Identification: Sunnyside Wildlife Area (BPA # unknown)		Project Name: Wetland Development & Enhancement	
General Description: Construction of dikes, water control structures, lift pumps etc. to enhance wetland habitat and improve water quality before it reaches the Yakima River.			
Contacts: Rocky Ross Leray Stream		Project Phase: Complete	Start Date: 2000
Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation	
Primary Funder: NAWCA	Secondary Funder: NAWCA	Other Funder: NAWCA	

Project Identification: ?	Project Name: Columbia River Revegetation and Monitoring Project
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General Description:			
Revegetation of the badly-degraded zones on Columbia Point at the confluence of the Yakima and Columbia Rivers. Also includes some access controls to prevent further degradation. In addition, this effort will establish a water quality monitoring project at nearby Amon Creek.			
Contacts: Scott Manley	Project Phase: In Progress	Start Date: 2003	End Date: 2005
Monitoring and Evaluation Type: value		Monitoring and Evaluation Status: value	
Primary Funder: Washington State Conservation Commission	Secondary Funder: Washington State Conservation Commission	Other Funder: Washington State Conservation Commission	

Project Identification: ?	Project Name: Yakima River Watershed TMDLs		
General Description:			
The State of Washington Department of Ecology is required by the Federal Clean Water Act to determine and calculate Total Maximum Daily Loads (TMDLs) for water quality parameters in water bodies where those parameters do not meet state standards. Ecology has completed TMDLs for turbidity, pesticides, bacteria and temperature impairments in the Yakima River Watershed, and will continue to monitor water quality, develop and implement TMDLs as required by the Clean Water Act.			
Contacts: Ryan Anderson	Project Phase: In Progress	Start Date: 1997	End Date:
Monitoring and Evaluation Type: Compliance		Monitoring and Evaluation Status: Compliance	

Primary Funder:	Secondary Funder:	Other Funder:
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AQUATIC Low Flow

Project Identification: 199901300	Project Name: Ahtanum Creek Watershed Assesment		
General Description: Map irrigated lands & water delivery stems, measure water discharge & temperature. Determine efficiency of irrigation water conveyance & use. Gather data on stream channel condition, riparian function & salmonid populations in the Ahtanum Creek watershed. Rehabilitate degraded habitat and manage irrigation/instream flows.			
Contacts: Tom McCoy Brandon Rogers	Project Phase: In Progress	Start Date: 01/10/99	End Date:
Monitoring and Evaluation Type: Compliance		Monitoring and Evaluation Status: Compliance	
Primary Funder: BPA	Secondary Funder: BPA	Other Funder: BPA	

Project Identification: BPA # 98-034	Project Name: Reestablish Safe Access Into Tributaries of the Yakima Subbasin		
General Description: Safe Access attempts to reestablish fish passage by breaching/removing barriers and screening associated with unscreened diversions. Additionally, if possible, riparian function will be enhanced by establishing fenced buffers. Conversion to piping and pressurized irrigation will result in more water instream.			
Contacts: Henry Fraser Melvin Sampson	Project Phase: In Progress	Start Date: 1999	End Date: ongoing
Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation	
Primary Funder: BPA	Secondary Funder: BPA	Other Funder: BPA	

AQUATIC Reconnection of Floodplains and Side Channels

Project Identification:	Project Name: WDFW Environmental Review
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General Description:

Six WDFW staff members review environmental documents and issue Hydraulic permits for projects/programs which have potential to impact fish/wildlife habitats or populations in Kittitas, Yakima and Benton Counties. Review efforts include:

State Environmental Policy Act; National Environmental Policy Act; Shoreline Management Act; Forest Practices Act;

Contacts: Brent Renfrow Ted Clausing	Project Phase: In Progress	Start Date: 1970s	End Date: none planned
Monitoring and Evaluation Type: Compliance		Monitoring and Evaluation Status: Compliance	
Primary Funder: WDFW	Secondary Funder: WDFW	Other Funder: WDFW	

Project Identification:	Project Name: Levee Pullback/Removal at Ahtanum Mission		
General Description: Removal of old levees and groins associated with abandoned/closed irrigation diversions and roads. Floodplain restoration.			
Contacts: Joel Freudenthal Same	Project Phase: Complete	Start Date: 8/15/03	End Date: 9/04/03
Monitoring and Evaluation Type: Validation		Monitoring and Evaluation Status: Validation	

Primary Funder: Yakima Co. FCZD	Secondary Funder: Yakima Co. FCZD	Other Funder: Yakima Co. FCZD
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Project Identification:	Project Name: Upper Yakima Comprehensive Flood Control Management Plan		
General Description: Plan that sets the policy basis for reconfiguration of the levee system and other adjacent infrastructure to improve sediment transport, lessen flood hazard, improve fish habitat and increase available floodplain on Yakima River.			
Contacts: John Knutson Joel Freudenthal	Project Phase: Proposed	Start Date: 5/17/03	End Date: 06/04?
Monitoring and Evaluation Type: value		Monitoring and Evaluation Status: value	
Primary Funder: Yakima Co. FCZD	Secondary Funder: Yakima Co. FCZD	Other Funder: Yakima Co. FCZD	

Project Identification:	Project Name: Amon Basin - Water Quality Monitoring		
General Description: Conduct water quality monitoring for the projects in the Amon Basin to meeting the Ecology and WDFW criteria.			
Contacts: Nancy Aldrich	Project Phase: Proposed	Start Date:	End Date:

Monitoring and Evaluation Type: Validation		Monitoring and Evaluation Status: Validation	
Primary Funder:	Secondary Funder:	Other Funder:	

Project Identification: 004	Project Name: Satus WUI		
General Description: Russian Olive Removal			
Contacts: Philip Rigdon same	Project Phase: In Progress	Start Date: 10/2003	End Date: 09/2004
Monitoring and Evaluation Type: Compliance		Monitoring and Evaluation Status: Compliance	
Primary Funder: BIA Wildlands Interface	Secondary Funder: BIA Wildlands Interface	Other Funder: BIA Wildlands Interface	

Project Identification: 199704700	Project Name: YAKIMA RIVER BASIN SIDE CHANNEL SURVEY AND REHAB
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General Description:

Reconnect tributaries and side channels, create new side channels, construct instream deflectors along straightened reaches, and overbuild portions of levees such that riparian trees will be permitted to thrive. Focus on the Wapato Reach of the Yakima R.

Contacts: Scott Nicolai	Project Phase: In Progress	Start Date: 01/11/97	End Date: 01/30/03
Monitoring and Evaluation Type: value		Monitoring and Evaluation Status: value	
Primary Funder: BPA	Secondary Funder: BPA	Other Funder: BPA	

Project Identification: Wildlife Extension Agreement #144210J606	Project Name: Monson Project #1		
General Description: This Project is part of an overall effort to re-establish the "Taylor Ditch" as a side channel of the Yakima River in the east-selah floodplain area. This Project will restore riparian habitat along 2500 ft. of the waterway. Project activities are supported as a result of findings within the "Taylor Ditch Habitat Assessment Project: phase one report". This assessment identified lack of riparian area and water quality to be the limiting factors in the use of the Taylor Ditch as a side channel habitat. The assessment also identifies the ditch as being used by spring chinook, coho, and rainbow trout. The Yakima Mainstem in this area also supports steelhead and has the potential for bull trout rearing and migration.			
Contacts: Michael Tobin same	Project Phase: Complete	Start Date: may 2003	End Date: december 2003

Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation
Primary Funder: USFW	Secondary Funder: USFW	Other Funder: USFW

Project Identification: 199206200	Project Name: LOWER YAKIMA VALLEY RIPARIAN/WETLANDS		
General Description: Continue implementation of YN Wetlands/Riparian Restoration Project by protecting and restoring native floodplain habitats along anadromous fish-bearing waterways in the agricultural area of the Yakama Reservation (~2,500 acres per year).			
Contacts: Arlen Washines Tracy Hames	Project Phase: In Progress	Start Date: 1992	End Date:
Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation	
Primary Funder: BPA	Secondary Funder: BPA	Other Funder: BPA	

Project Identification: wa439	Project Name: Yakima Ground-water
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General Description: assessment of gw availability in the Yakima river basin			
Contacts: vaccaro	Project Phase: In Progress	Start Date: 01/07/01	End Date: 01/10/07
Monitoring and Evaluation Type: value		Monitoring and Evaluation Status: value	
Primary Funder: WDOE, USBOR, USGS	Secondary Funder: WDOE, USBOR, USGS	Other Funder: WDOE, USBOR, USGS	

Project Identification: Remove Wrecking Yards from Floodplains	Project Name: Remove Wrecking Yards from Floodplains		
General Description: A pilot project to examine alternative locations for wrecking yards located in floodplains, and a case study to actually relocate one yard. Funded by Yakima Countywide Flood Control Zone District and the Centennial Clean Water Fund through Department of Ecology			
Contacts: Joel Freudenthal Joel Freudenthal	Project Phase: In Progress	Start Date: 06/01	End Date: 06/06
Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation	
Primary Funder: Centennial CWF	Secondary Funder: Centennial CWF	Other Funder: Centennial CWF	

Project Identification: 198506200	Project Name: Yakima Screen Evaluation Project		
General Description: Evaluates fish screen facilities to determine whether they meet NOAA Fisheries fish protection criteria.			
Contacts: Geoffrey McMichael	Project Phase: In Progress	Start Date: 1985	End Date: ongoing
Monitoring and Evaluation Type: Compliance		Monitoring and Evaluation Status: Compliance	
Primary Funder: BPA	Secondary Funder: BPA	Other Funder: BPA	

Project Identification: Cooperative Agreement #144210J606	Project Name: La Salle High School Wildlife Extension Agreement		
General Description: This WEA with La Salle High School provide funds to re-establish riparian habitat along Ahtanum Creek. The Project area is located approximately 1 mile upstream from the Yakima River. This reach has been severely affected by grazing and agricultural practices. Even though the area has been affected by these practices it is still an important migrational, spawning and rearing area for Coho, steelhead, bull trout and resident salmonids. The project re-established a dedicated buffer of 75 feet throughout the school's property (appr. 2500 ft.).			

Contacts: Michael Tobin same	Project Phase: Complete	Start Date: april 2001	End Date: december 2001
Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation	
Primary Funder: USFW	Secondary Funder: USFW	Other Funder: USFW	

Project Identification:	Project Name: Monson Project phase 2		
General Description: This project shares the same general description as "monson Project phase 1". Project activities include restoration of eastside of "Taylor Ditch" 2500 ft. and re-establishment of approximately 3 acres of associated wetlands. This project is part of an overall effort to re-establish the "Taylor Ditch" as a side channel habitat to the Yakima River in the East-Selah area.			
Contacts: Michael Tobin same	Project Phase: In Progress	Start Date: fall 2003	End Date: Fall 2004
Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation	
Primary Funder:	Secondary Funder:	Other Funder:	

Project Identification: IAC No. 00-1015D	Project Name: West Valley Community Park-Wide Hollow Creek Restoration		
General Description: Channel reconfiguration; dike removal; plant removal; revegetation; success monitoring; education; site maintenance.			
Contacts: David C. Veley Richard Visser	Project Phase: Complete	Start Date: 04/03/00	End Date: 10/31/03
Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation	
Primary Funder: IAC-SRFB	Secondary Funder: IAC-SRFB	Other Funder: IAC-SRFB	

Project Identification: CCWF Grant # G0100193	Project Name: Yakima River Floodplain Mining Impact Study
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General Description:

The goal of the Yakima River Floodplain Mining Impact Study was to identify impacts and degree of impacts that sand and gravel mines have on geomorphic flood plain ecosystems throughout the Yakima River continuum. Physical characteristics of the mine sites (i.e. connected/not connected to the river, deep/shallow, far/near to river) were compared using the data that was collected. The study included the following areas of investigation:

Fish assemblage study inside the gravel pits and in the river adjacent to the pits;
 the control and downstream analysis and pit usage of benthic macroinvertebrates;
 water temperature analysis upstream, downstream and in gravel pits;
 geomorphic analysis and bathymetry of gravel pits, including sediment sampling; and, historic location and use of gravel pits.

Ten floodplain mines were selected for complete investigations of fish assemblage, benthic macroinvertebrates, water temperature, bathymetry, sediment sampling and geomorphic analysis. Sites monitored ranged from Cle Elum to Richland on the main stem Yakima River.

Contacts: Pat Irle Kelly Clark	Project Phase: Complete	Start Date: 11-1-2001	End Date: 4-22-2004
Monitoring and Evaluation Type: value		Monitoring and Evaluation Status: value	
Primary Funder: Washington State Department of Ecology, Centennial Clean Water Fund	Secondary Funder: Washington State Department of Ecology, Centennial Clean Water Fund	Other Funder: Washington State Department of Ecology, Centennial Clean Water Fund	

Project Identification:	Project Name: Yakima River Basin Water Enhancement Project
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General Description:

Water conservation and water and land acquisition

Contacts: Jim Esget	Project Phase: In Progress	Start Date: 01/10/94	End Date:
Monitoring and Evaluation Type: Implementation		Monitoring and Evaluation Status: Implementation	
Primary Funder: Reclamation	Secondary Funder: Reclamation	Other Funder: Reclamation	

Acronyms	Agency, Group etc
BCD	Benton Conservation District
BPA	Bonneville Power Company
BIA	Bureau of Indian Affairs
BLM	Bureau of Land Management
CCP	Cascade Conservation Partnership
CCWF	Centennial Clean Water Fund
CWA	Clean Water Act
CRITFC	Columbia River Inter-Tribal Fish Commission
CREP	Conservation Reserve Enhancement Program
DOE	Department of Ecology
DOE	Department of Ecology
DNR	Department of Natural Resources
EWC	Ellensburg Water Company
FSA	Farm Service Agency
FCZD	Flood Control Zone District
FNAWS	Foundation for North American Wild Sheep
KCCD	Kittitas County Conservation District
KCWP	Kittitas County Water Purveyors
MCFEG	Mid Columbia Fisheries Enhancement Group
MDF	Mule Deer Foundation
NMFS	National Marine Fisheries Service
NOAA	National Oceanic and

	Atmospheric Administration
NWTF	National Wild Turkey Federation
NRCS	Natural Resource Conservation Service
NAWCA	North American Wetlands Conservation Act
NYCD	North Yakima Conservation District
PNNL	Pacific Northwest National Laboratory
RFEG	Regional Fisheries Enhancement Group
RC&D	Resource Conservation and Development
RMEF	Rocky Mountain Elk Foundation
RSBOJC	Roza Sunnyside Board of Joint Control
SRFB	Salmon Recovery Funding Board
SCW RC & D	South Central Washington Resource Conservation and Development
USBR	United States Bureau of Reclamation
USBR	United States Bureau of Reclamation
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Society
USFS	United States Forest Service
WSCC	Washington State Conservation Commission
WDFW	Washington Department of Fish and Wildlife
WSDA	Washington State Department of

Agriculture

WSDOE	Washington State Department of Ecology
WHIP	Wildlife Habitat Incentives Program
YN	Yakama Nation
YIN	Yakima Indian Nation
YTC	Yakima Training Center
YTAHP	Yakima Tributary Access and Habitat Program