## Appendix H: Inventory of Recently-Completed Projects

Appendix H. Inventory of projects recently completed (last five years) or on-going in the Intermountain Province See bottom of table for endnotes and definition of codes

								Subb	asins															
Start	End	Funding	ID	Title	Sponsor	Focus	1	2	3	4			Stra	tegi	ies*					ı	LFA	**		
1999		BPA	9094	Produce Kokanee Salmon in Net Pens for Release into Lake Roosevelt	STOI	R	UC	SPO			4	8						8						
2000		BPA	20096	Ford Hatchery Improvement, Operation and Maintenance	WDFW	R	UC	SPO	SP		4	8						8						
2000		BPA	20146	Lake Roosevelt Kokanee Net Pens	WDFW	R	UC	SPO			4	8						8						
2001		BPA	21007	Outdoor Education/Research Center for Riparian Management and Environmental Sustainablity	WSU	w	UC RW SP SPO				6	5						7						
2001		BPA	200103300	Implement Wildlife Habitat Protection and Restoration on the Coeur d'Alene Indian Reservation: Hangman Watershed.	CDA Tribe	W/R	SPO				1	2	3	6	5			8	4	3	2	7		
2001		ВРА	200103200	Implement Fisheries Enhancement on the Coeur d'Alene Indian Reservation: Hangman Creek	CDA Tribe	R	SPO				1	5	6	8	3			2	3	5	7	8 ′	1	
2001		BPA	21020	Monitor and Enhance the Lakes and Streams of the Spokane Indian Reservation	STOI	R	SPO	UC			1	2	3	5	6	7	8	1	2	3	4	5 (	6 7	,
2001		BPA	21023	Determine causes of mule deer population declines in the IM Columbia Basin: a test of the "apparent competition" hypothesis	WSU	w	IMP				6							5						
2001		BPA	21025	Intermountain Province Resident Fish Symposium	LRF	R	IMP				5							1	2	3	4	5 6	6 7	7 8
2001		BPA	21029	A cooperative approach to identifying the role of forage quality in affecting physical conditionof mule deer in north central Washington.	WDFW	w	IMP				6							3	4	7				
2001		BPA	21032	Eastern Washington Survey for Townsend's big-eared bat	WDFW	W	IMP				6	5						4	7	1	6	3		T

**Subbasins** ID Title Sponsor 2 3 4 **LFA** Start End Funding **Focus** 1 **Strategies** Colville Tribes Restore Habitat for SPO SP 3 6 5 5 2001 BPA 21034 CCT-FWD W UC RW 8 2 4 3 8 2 Sharp-tailed Grouse Phalon Lake Native Redband 2001 BPA 21035 Rainbow trout Trap Construction and **WDFW** R UC SPO 4 8 8 1 2 3 4 5 O & M Lake Pend Oreille Predation 24001 IDFG РΟ 6 8 5 7 BPA R 2002 Research Acquire and conserve high priority 2002 BPA 24003 bull and westslope cutthroat trout IDFG R PO 2 4 3 habitat in Trestle Creek. Pend Oreille/Priest Exotic Fish Species Suppression and Native РΟ 8 6 5 2002 BPA 24004 **IDFG** R Fish Protection Pend Oreille Erosion Abatement and IDFG 1 2 2002 24006 PO 4 BPA R Landform Restoration Genetic Inventory of Bull Trout and 2002 BPA 24008 Westslope Cutthroat Trout in the ΚT R PO 6 5 Pend Oreille Subbasin Center for GIS Analysis and Information in the Coeur d'Alene 7 CDA 6 2002 BPA 24020 **CDA Tribe** W/R Subbasin Pend Oreille Subbasin Native 7 РΟ 6 2002 BPA 24025 Westslope Cutthroat Population WT R Study BPA 8503800<sup>i</sup> Colville Tribal Fish Hatchery CCT R UC SP RW SPO 6 8 6 8 3 4 2000 2001 2 Habitat Improvement - Lake 3 2 6 1 2 3 8 1992 2000 BPA 9001800 CCT R UC SPO SP RW 1 8 4 7 Roosevelt Fisheries Enhancement -- Coeur 2 3 8 SPO 2 4 8 1987 2002 BPA 9004400 **CDA Tribe** R CDA d'Alene Reservation

**Subbasins** Funding ID Title Sponsor 2 4 **LFA** Start End **Focus** 1 **Strategies** Lake Creek Land Acquisition and 2 3 1999 2002 **BPA** 9004401 CDA Tribe W CDA 1 8 2 Enhancement Coeur d' Alene Tribe Trout 2000 2002 BPA 9004402 **CDA Tribe** R CDA SPO 4 8 8 Production Facility Spokane Tribal (Galbraith Sprgs) 1998 2001 BPA 9104600 STOI R SPO UC 4 8 8 Hatchery - O&M SPO 4 8 8 2001 **BPA** 9104700 Sherman Creek Hatchery - O&M **WDFW** R UC 1998 Kalispel Pend Oreille Wetlands 2 3 1998 2002 **BPA** 9106000 ΚT W PO 4 Wildlife Mitigation Project 1 2 3 4 7 1998 2000 BPA 9204800 Hellsgate Big Game Winter Range CCT W UC RW SP SPO 6 7 1 2 4 4 IDFG, KT and Albeni Falls Wildlife Mitigation 2 1992 **BPA** 9206100 Albeni Falls W PO CDA SPO 1 3 4 ongoing Project Workgroup IDFG, KT and Albeni Falls Wildlife Mitigation 2 1992 ongoing BPA 9206100 Albeni Falls W PΩ CDA SPO 1 2 3 4 8 Project Workgroup WDFW - Washington Wildlife 2 5 6 3 1998 BPA 9305800 WDFW W 8 4 7 Mitigation Agreement Lake Roosevelt Monitoring / Data SPO 6 5 8 8 3 4 1998 2001 **BPA** 9404300 STOI R UC SP 2 Collection Program Lake Pend Oreille Fishery Recovery 6 1985 2002 BPA 9404700 **IDFG** R PO 1 8 4 5 7 Project PO 3 8 2 3 4 1998 2002 **BPA** 9500100 Kalispel Tribe Resident Fish Project ΚT R Net Pen Rainbow Trout Above 1998 2001 BPA 9500900 LRDA R UC SPO 4 8 8 Grand Coulee Dam Chief Joseph Kokanee BPA 9501100<sup>ii</sup> R RW UC SP SPO 6 8 1 2 3 5 1 5 7 2 3 7 8 4 1998 2001 CCT 4 **Enhancement Project** 

								Subb	451115														
Start	End	Funding	ID	Title	Sponsor	Focus	1	2	3	4			Stra	iteg	ies					L	FA		
1999	2001	ВРА	9502700	Assess Limiting Factors of the Lake Roosevelt White Sturgeon Population	STOI	R	UC	SPO			4	6	5	8				1 2	2 3	4	5	6	7
1999	2000	ВРА	9506700 <sup>iii</sup>	Colville Confederated Tribes Performance Contract (Credits For Habitat)	ССТ	w																	
1998	2000	BPA	9700300	Box Canyon Watershed Project	KT	R	РО				3							1 2	2 3	4	5		
1998	2002	ВРА	9700400 <sup>iv</sup>	Resident Fish Stock Status Above Chief Joseph and Grand Coulee Dams	KT	R	RW	UC	SPO	SP	1	2	4	3	6	8		1 2	2 3	4	5	6	7 8
1999	2000	ВРА	9800300	O & M Funding of Wildlife Habitat on STOI Reservation for Grand Coulee Dam	STOI	W	UC	SPO			1	2	3	5	6			1 2	2 3	4	7		
		BPA	199001800 <sup>v</sup>	Evaluate Rainbow Trout/Habitat Improvements Of Tributaries To Lake Roosevelt	ССТ	R	SP	UC	RW		1	2	3	6	8			1 2	2 3	4	7	8	
2001		BPA	199106200	Spokane Tribe of Indians Wildlife Mitigation Project	STOI	W	SPO	UC			1	2	3	5	6			1 3	3 4	7	2		
		ВРА	199204800	Hellsgate Big Game Winter Range Operation And Maintenance Project	CCT-FWD	w	UC	SPO	RW		1	2					;	3 4	1 7	,			
2002		BPA	200204500	Wetland/Riparian Protection, Restoration, Enhancement and Maintenance in the Coeur d'Alene Subbasin	CDA Tribe	W/R	CDA				1	2	3	5	6		2	2 3	8 8	4			
2001	2001	Non-BPA	CDAR DEMO-MS	(Streambank Stabilization)	KSSWCD	R	CDA				1						2	2 3	3				

								aduc	451115										 
Start	End	Funding	ID	Title	Sponsor	Focus	1	2	3	4		St	rate	gies			LF	FA	
2000	2003	Non-BPA	WQPA 00- 11	(Dryland Crops on Erodible Soils)	KSSWCD	W/R	CDA				1				2	3			
1998	2007	Non-BPA	WQPA 98- 10	(Dryland Crops on Erodible Soils)	KSSWCD	W/R	CDA				1				2	3			
2000	2003	Non-BPA	2000-UNI- DM	(Sediment Retention Pond)	KSSWCD	W/R	CDA				1				2	3			
2003	2002	Non-BPA	CDALMP- DW	(Streambank Restoration)	KSSWCD	R	CDA				1				2	3			
1997	2003	Non-BPA	CRP-HM	(Dryland Crops on Erodible Soils)	KSSWCD	W/R	CDA				1				2	3			
2000	2001	Non-BPA	CRP-RB	(Dryland Crops on Erodible Soils)	KSSWCD	W/R	CDA				1				2	3			
2001	2003	Non-BPA	EQIP-CR	(Streambank Stabilization)	KSSWCD	R	CDA				1				2	3			
2002	2003	Non-BPA	KC 319 MN	(Sediment Retention Pond)	KSSWCD	W/R	CDA				1				2	3			
1988	ongoing	IDFG	None	Bull trout redd counts - Upper St. Joe River	IDFG	R	CDA				6				7				
2003	2004	Avista	None	Cutthroat Trout Telemetry Study Coeur d'Alene	Avista, USFS, NIFC, IEFF, IDFG	R	CDA				6 8	1			3	7			
1970	ongoing	IDFG	None	Cutthroat trout trend monitoring - St. Joe and Coeur d'Alene Rivers	IDFG	R	CDA				6 8	7							
2003	2004	Avista	None	JW BT Telemetry Study St. Joe	Avista	R	CDA				6				7				
1974	ongoing	IDFG	None	Kokanee Population Monitoring - Coeur d'Alene Lake	IDFG	R	CDA				6 8	3			7				
1997		Non-BPA	SAWQP	PLUMMER Ck	BSWCD	W/R	CDA				1				2	3			
1993		Non-BPA	SAWQP 93- 1	PLUMMER Ck	BSWCD	W/R	CDA				1				2	3			
1993		Non-BPA	SAWQP 93- 2	PLUMMER Ck	BSWCD	W/R	CDA				1				2	3			
1995		Non-BPA	SAWQP 95- 5	Plummer Creek SAWQP 95-5	BSWCD	W/R	CDA				1				2	3			

**Subbasins** ID Title 2 4 **LFA** Start End Funding Sponsor **Focus** 1 **Strategies** SAWQP 95-1995 2002 Non-BPA (Dryland Crops on Erodible Soils) **KSSWCD** W/R CDA 1 2 3 SAWQP 95-1995 Non-BPA Plummer Creek SAWQP 95-6 BSWCD W/R CDA 1 2 3 SAWQP 96-1996 Non-BPA PLUMMER Ck **BSWCD** W/R CDA 1 2 3 SAWQP 97-2 Non-BPA BSWCD W/R CDA 1 3 1998 PLUMMER Ck 11 SAWQP 97-2 1997 Non-BPA PLUMMER Ck **BSWCD** W/R CDA 3 8 1 2 3 1999 1999 Non-BPA WHIP-GM (Dryland Crops on Erodible Soils) **KSSWCD** W/R CDA 2 2000 Non-BPA WQPA 00-14 (Dryland Crops on Erodible Soils) **KSSWCD** W/R CDA 1 3 2001 (Sediment/storage Ponds on Upper 2 Non-BPA WQPA 00-15 1 2000 2003 **KSSWCD** W/R CDA 3 Lake Creek) **KSSWCD** W/R CDA 2 3 2001 2005 Non-BPA WQPA 01-1 (Mica Creek Ranch Improvements) 2001 2009 Non-BPA WQPA 01-16 (Sediment Retention Pond) **KSSWCD** W/R CDA 1 2 3 Non-BPA WQPA 94-4 (Dryland Crops on Erodible Soils) **KSSWCD** CDA 1 2 3 1994 2003 W/R 2 3 2003 Non-BPA WQPA 97-7 (Dryland Crops on Erodible Soils) **KSSWCD** CDA 1 1997 W/R 2 3 1997 2006 Non-BPA WQPA 97-8 (Dryland Crops on Erodible Soils) **KSSWCD** W/R CDA 1 1998 2 3 2007 Non-BPA WQPA 98-9: (Dryland Crops on Erodible Soils) **KSSWCD** W/R CDA 1 CDA 1 2 3 2003 2003 Non-BPA WQPA-CR (Dryland Crops on Erodible Soils) **KSSWCD** W/R Out reach educational efforts for 5 Non-BPA WDFW W/R SPO fish, wildlife, and habitat issues. Relicensing of AVISTA dams on WDFW/ Non-BPA W/R SPO 1 2 3 4 5 6 8 2 3 4 5 6 7 8 1 mainstem of Spokane River. **AVISTA** 2 2001 ongoing Non-BPA 319 Shoreline stabilization Project ΚT R/W PO 3

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Start	End	Funding	ID	Title	Sponsor	Focus	1	2	3	4		S	trate	gies			L	FA	
1998		Non-BPA		A Chronicle of Latah (Hangman) Creek: Fisheries and Land Use	Spokane County Conservation Dist	R	SPO				5				7				
		Non-BPA		annual monitoring fish habitat	USFS	R	РО				6				7				
		Non-BPA		Annual monitoring of wildlife populations (game and non-game).	WDFW	W	SPO				6				7				
2001	2001	Non-BPA		Armoring of Livestock Crossings on Middle Branch Le Clerc Ck.	USFS	R	РО				1	2			2	3			
1996		Non-BPA		Best Management Practices (BMPs) for timber harvest Trestle Creek, South Gold Ck North Gold, Granite, Grouse, Pack R,	Trestle Creek Local Working Committee Lakeview Local Working Committee and IDL	R	PO				1				2	3			
	1997	Non-BPA		Biological Assessment of Hangman (Latah)Creek Watershed	Spokane County Conservation Dist	R	SPO				6				3	4			
	2004	Non-BPA		Bismark Meadows Wetland Restoration	NRCS	W	РО				1	2			4				
				Brett Creek Watershed Project	USFS	R/W	CDA				1				3				
	2003	Non-BPA		Brown Kettle River Bank Stabilization	FERRY CONS DIST	R	SC				1				2	3			

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Start	End	Funding	ID	Title	Sponsor	Focus	1	2	3	4			Strat	egies	3			L	-FA	_	
		Non-BPA		build bypass road and reclaim existing road LeClerc Ck	USFS, Stimson Lumber Co., the KT, and Pend Oreille County Roads	R/W	РО				1	2				1	2 3	3 4	ļ		
				Bunker Hill Water Monitoring	EPA	R	CDA				1					3					
1986	2003+	Non-BPA		Cabinet Gorge Hatchery	IDFG	R	РО				4					5	7				
		Non-BPA		Caribou relocation project	WDFW, IDFG, USFS, and British Columbia	W	РО				8					8					
1994	1995	Non-BPA		Centennial Clean Water Act Shoreline Stabilization Demonstration Project	KT	R/W	РО				1					2	3				
				CERCLA Removal Projects at Rose and Thompson Lakes	EPA	R	CDA				1					3					
1996		Non-BPA		channel restoration North Gold Ck	USFS	R	РО				1					3					
		Non-BPA		Channeled Scablands Focus Area Phase I Project	MANY	W	SPO				9					9					
?	On-going	ACOE	vi	Chief Joesph Wildlife Mitigation (10 foot pool rise)	ССТ		RW														
		Non-BPA		closed roads lower PO subbasin	USFS	R/W	РО				9					9					
				Coeur d'Alene River/Chain Lakes Land Exchange	USFS	W	CDA				2					4					
1997		Non-BPA		Color fish identification guide	IDFG, Lake Pend Oreille Idaho Club	R	РО				5					7					
	2002	Non-BPA		Conservation Plan for Fish Creek	Cocolalla Lake Assoc	R/W	РО				1					3					

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Start	End	Funding	ID	Title	Sponsor	Focus	1	2	3	4			Strat	egies	S			LFA	١	
		Non-BPA		Conservation Reserve Program (CRP), Environmental Quality Incentives Program (EQIP) & Wildlife Habitat Incentives Program (WHIP)		W	SPO				1	6				3	4			
		Non-BPA		Conservation Reserve Program (CRP), Environmental Quality Incentives Program (EQIP) & Wildlife Habitat Incentives Program (WHIP)	FERRY CONS DIST	W/R	UC				1	6				3	4			
	2000	Non-BPA		Constructed manure pit and two manure storage slabs Hoodoo Ck	NRCS and landowner	R	РО				1					2				
		Non-BPA		Cougar predation study to determine impacts on caribou		W	РО				9					9				
	1997	Non-BPA		cover structures in NF Grouse Creek and boulder clusters in Grouse Creek	USFS and TU	R	РО				1					3				
	1990	Non-BPA		Created pools and boulder clusters in Grouse Creek	USFS, LPOIC, and TU.	R	РО				1					3				
				Crown Pacific Road Access Project	USFS	W	CDA				1					3				
2002	2000	Non-BPA		Culvert Replacement to provide fish passage at Annabelle Ck.	USFS	R	SP				1						1			
				Deerfoot restoration project	USFS	R/W	CDA				1					3				
1998	1999	Non-BPA		Dike Road stabilization and wetland enhancement project	KT	R/W	РО				1					2	3			
		Non-BPA		document bull trout abundance in the Upper Priest Lake system	IDFG	R	РО				6	8				7				

								Cubb	asins														
Start	End	Funding	ID	Title	Sponsor	Focus	1	2	3	4			Stra	teg	ies					L	.FA		
2000		Non-BPA		Easements acquired Trestle Creek	Avista Settlement agreement	R	РО				2							4					
2001	2005	Non-BPA		East Branch Road Removal and Reclamation Project	Stimpson Timber Co., USFS, POPUD, WDFW, WA IAC, KT, Fed DOT	R/W	РО				1	8						1	2 3				
1998		Non-BPA		Education and enforcement to protect bull trout.	IDFG, Avista, TU	R	РО				5							7					
1998	On-going	Non-BPA	vii	enforce fish and Wildlife regulations.	CCT & WDFW	R/W	RW				7							3					
1998		Non-BPA		excavated channel through drawdown zone Gold Ck	IDGF	R	РО				1							1					
1999	2002	Non-BPA		Exclosure Fencing of Le Clerc Ck.Riparian Habitat	USFS	R	РО				1	2					:	2	3				
		Non-BPA		FCD Native Plant Nursery	FERRY CONS DIST	W/R	UC				1						;	3	4				
	2001	Non-BPA		Fencing creek from livestock Hoodoo Ck	NRCS and landowner	R	РО				1						1	2	3				
	2003	Non-BPA		FERRY COUNTY KETTLE RIVER PARK	FERRY CONS DIST	R	UC				1						;	3					
	2002	Non-BPA		Fischer Riparian Improvement	FERRY CONS DIST	W/R	UC				1						;	3					
		Non-BPA		fish and water quality assessments in the Lower Clark Fork	USGS	R	РО				6							7					
				Fish Fry Wood Removal Project	USFS	R	CDA				1					Ī	;	3				ı	

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Start	End	Funding	ID	Title	Sponsor	Focus	1	2	3	4		;	Stra	tegi	ies				LFA	١.		
1997		Non-BPA		Fish information pamphlet	IDFG, USFS, Idaho AFS	R	РО				5					7						
	1994	Non-BPA		fish ladder in impassable flume Strong Ck	IDFG & TU	R	РО				1					1						
				Fish Wetland Reserve Program Restoration Project	NRCS	W	CDA				1					3						
2001	2002	Non- BPA		Food habits of picivoros fish in CDA Lake	CDA Tribe, Avista	R	CDA				6	8				5	7					
	2001	Non-BPA		Forest riparian buffer along Careywood Creek	NRCS	R/W	РО				1					3						
	2002	BPA		Genetic Inventory of Bull Trout and Westslope Cutthroat Trout in the Pend Oreille Subbasin	KT and WDFW	R	РО				6					7						
1996	2000	Non-BPA, BPA?		Genetic Inventory of Redband Trout and Westslope Cutthroat Trout in the San Poil Subbasin	USFS, CCT	R	SP				6						5					
1996	2000	Non-BPA		Genetic Inventory of Redband Trout and Westslope Cutthroat Trout in the U. C. Subbasin	USFS	R	UC				6					5						
		Non-BPA		Graham Lake Native Trout / Remote Site Incubator Research	WDFW	R	UC				4	5	6	8		1	2	3	4 4	5 7	,	
				Grouse Creek/Mary Mix Land Exchange	USFS	W	CDA				2					4						
		Non-BPA		habitat assessments and snorkeling surveys in tributaries to Box Canyon Reservoir	PO PUD, KT, WDFW	R	РО				6					7						

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Start	End	Funding	ID	Title	Sponsor	Focus	1	2	3	4			Stra	iteg	ies				LF	١		
		Non-BPA		Habitat enhancement and protection through the WA State Hydraulics Code and other applicable regulations, for wetland, riparian, instream, and other habitat types.	WDFW	W/R	SPO				1	3	7			1	3	7				
		Non-BPA		Hangman (Latah )Creek Comprehensive Flood Hazard Management Plan	WA DEPT OF ECOL	W/R	SPO				3					3						
	1999	Non-BPA		Hangman (Latah) Creek Management Plan	Spokane County Conservation Dist	R	SPO				1	2	3	5		2	3	4				
	1999	Non-BPA		Hangman (Latah) Creek Water Quality Monitoring Report	Spokane County Conservation Dist	R	SPO				9					9						
		Non-BPA		Hangman Creek Instream Flow Project	Spokane County Conservation Dist	R	SPO				9					9						
	2003	Non-BPA		Hangman Creek Main Stem Channel/Riparian Evaluation	Spokane County Conservation Dist	R	SPO				9					9						
1994	2002	Non-BPA		Hangman Creek Management Plan	Spokane County Conservation Dist	R	SPO				3					2	3	4				

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Start	End	Funding	ID	Title	Sponsor	Focus	1	2	3	4		S	trate	gies				LFA	A	
		Non-BPA		Hangman Creek Riparian/Sediment Reduction Projects	Spokane County Conservation Dist	R	SPO				1				2	3	4			
1995	1999	Non-BPA		Hangman Creek Subwatershed Improvement Project Report	Spokane County Conservation Dist	R	SPO				9				9					
1998	2001	Non-BPA		Hangman Creek Water Quality Network: A Summary of Sediment Discharge and Continuous Flow Measurements	Spokane County Conservation Dist	R	SPO				9				9					
1994		Non-BPA		Harvest management of lake trout	IDFG, Lake Pend Oreille Idaho Club	R	РО				8				5					
1996		Non-BPA		harvest of bull trout eliminated	IDFG	R	РО				5	7			7					
	2003	Non-BPA		Hydrology of the Hangman Creek Watershed	Spokane County Conservation Dist	R	SPO				5	6			2	7	3			
		Non-BPA		IDFG Albeni Cove Wetlands Restoration	IDFG	W	РО				1				3	4				
1996	1999	Non-BPA		improve conditions for bull trout in Sullivan Springs	IDFG	R	РО				1				7	3				

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Start	End	Funding	ID	Title	Sponsor	Focus	1	2	3	4		S	trate	gies			LF	A	
1996	2000	Non-BPA		Incentive program for management of riparian areas Cocolalla Ck	Cocolalla Lake Association, Bonner County Soil and Water Conservation District, NRCS, Soil Conservation Commission, IDL, IDEQ, and IDFG	R/W	РО				1				3				
	1999	Non-BPA		Increased minimum flow release from Cabinet Gorge Dam	Avista Settlement agreement	R	РО				1				2	4			
	2000	Non-BPA		Initiated bull trout passage project, Cabinet Gorge Dam	Avista Settlement agreement	R	РО				1	8			1				
		Non-BPA		Inland Northwest Land Trust	INLT/ AVISTA	W	SPO	CDA			2				4				
		Non-BPA		Inland Northwest Wildlife Council	INWC/AVISTA	W	SPO				9				9				
	1999	Non-BPA		Inspection at Cabinet Gorge to protect bull trout redds	IDFG, Avista, IDEQ FERC	R	РО				7				4				
	1999	Non-BPA		Installed riparian buffers Hoodoo Ck	NRCS and landowner	R	РО				1				3				
2000	2001	Non-BPA		inventorying all culverts on USFS service roads	USFS	R	РО				1				1				
2001	2002	Non-BPA		inventorying all culverts on USFS service roads	USFS	R	SP				1					1			
2001	2002	Non-BPA		inventorying all culverts on USFS service roads	USFS	R	UC				6				1				
				Iron Honey Project	USFS	R/W	CDA				1				3				

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Start	End	Funding	ID	Title	Sponsor	Focus	1	2	3	4			Stra	ateg	ies					L	FA		
1997	1997	Non-BPA		Kalispel Shoreline Stabilization Project	KT	R/W	РО				1							2	3				
		Non-BPA		Kettle Tri-Watershed Project	FERRY CONS DIST	R	UC				6							2	7				
1957	2000	Non-BPA		kokanee spawning channel and egg taking facility in Sullivan Springs.	IDFG	R	РО				4	8						5					
1994	2001	Non-BPA		Lake Creek Monitoring	KSSWCD	R	CDA				1							2 ;	3				
		ВРА	viii	Lake Roosevelt Emergency Fish Restoration Project	ССТ	R	SPO	UC	SP	RW	4	8	6					1 8	8 2	2 3			
				Law WRP Project, St. Joe River	NRCS	W	CDA				1							3					
		Non-BPA		Leclerc Creek Wildlife Area	WDFW	W	РО				1	2						3 4	4	1			
2001	2002	Non-BPA		Little Pend Oreille Cusick Unit Shoreline Stabilization Project	USFWS, KT, WDFW, USFS, and Pend Oreille PUD	R/W	РО				1							2 :	3				
		Non-BPA		long-term conservation of key avian habitats	Joint Ventures	W	SPO				2							3 4	4				
1997	1999	Non-BPA		Maintain high water elevations of Pend Oreille Lake	USCOE	R	РО				1							4					
				McArthur Lake Wildlife Corridor Project	USFS	W	CDA				1							3					
2003	ongoing			Migratory patterns of CT trout in CDA Lake	Avista, CDA Tribe	R	CDA				6	8						7					
Ongoing		Non-BPA	ix	Monitor and Enhance the Lakes and Streams	IDFG, CDA	R	CDA				1	2	3	4	5	6	7	1 2	2 ;	3 4	5	6	7
Ongoing		Non-BPA	ix	Monitor and Enhance the Lakes and Streams	WDFW, IDFG, KSPL	R	SPO				1	2	3	4	5	6	7	1 2	2 :	3 4	5	6	7

**Subbasins** Start End **Funding** ID Title Sponsor **Focus** 2 3 4 **LFA** 1 **Strategies** Monitor and Enhance the Lakes STOI, WDFW. UC 2 Ongoing Non-BPA R 3 5 6 2 3 5 and Streams CCT Monitor and Enhance the Lakes STOI, WDFW, ix Non-BPA R SP 2 3 4 5 6 7 2 3 4 5 Ongoing and Streams CCT Monitor and Enhance the Lakes STOI, WDFW, ix 6 7 Ongoing Non-BPA R RW 1 2 3 4 5 1 2 3 4 5 6 and Streams CCT Monitor and evaluate the effect instream structures have on the Non-BPA R PΩ 6 freshwater macroinvertebrate community. monitor range condition, utilization 9 Non-BPA USFS W PO 9 and range improvements monitor water quality in the Upper 6 2 7 Non-BPA IDEQ R PO Pend Oreille Moores Creek Livestock Fencing & Non-BPA **NRCS** R/W PΩ 1 3 Tree Planting native fish restoration project, tributary restoration in Idaho; tributary restoration work in Montana; minimum flows in the Avista 1999 Non-BPA lower Clark Fork River; recreational R PO 8 1 2 6 3 4 7 Settlement fish enhancements; habitat agreement enhancement in the lower Clark Fork River in Idaho; and fisheries management assistance funding 1999 1999 Non-BPA Obliteration of Deemer Creek Road **USFS** R РО 2 PALMANTEER FENCING FERRY CONS 2 3 2 2001 Non-BPA R UC **PROJECT** DIST

								Subb	451115													
Start	End	Funding	ID	Title	Sponsor	Focus	1	2	3	4		5	trate	gies	;				LF.	Α		
1991	ongoing	BPA		Pend Oreille Wetlands Wildlife Mitigation Project	KT	W	РО				1	2				3	4					
2001		Non-BPA		Phalon Lake Native Redband Rainbow trout Trap Construction and O & M	WDFW	R	UC	SPO			4	8				8	1	2	3	4	5	
	1996	Non-BPA		Planted riparian areas in Grouse Creek	USFS and Coldwater Creek Company.	R	РО				1					3						
		Non-BPA		Pre-Settlement Vegetation of the Hangman Creek Watershed and Soil Loss	Spokane County Conservation Dist	R	SPO				9					9						
	2000	Non-BPA		private land purchased Granite Ck	IDFG, Avista, LPOIC	R	РО				2					2	3					
	1996	Non-BPA		Pulled culverts, improved cross drainage, and improved stream crossings Trout Ck	USFS	R	РО				1					2	3					
1998	2000	Non-BPA		reconstruction of channelized stream Twin Ck	IDFG, the USFWS, Avista, TU, Ruen Family Trust, Bonner County, and Crown Pacific	R	РО				1					3						
	1997	Non-BPA		Recontoured road segments Lightening Ck	USFS	R	РО				1					2	3					
		Non-BPA		Reed Canary Grass management project	WSU and the KT	W	РО				9					9						

								Subb	451115							_				
Start	End	Funding	ID	Title	Sponsor	Focus	1	2	3	4		Strategies						L	LFA	
	1995	Non-BPA		Relocated floodplain road Lightening Ck	USFS	R	РО				1					2	3			
	1997	Non-BPA		Removed culvert from North Fork Twin Creek	USFS	R	РО				1					1				
	1997	Non-BPA		removed culvert repaired stream crossing Rapid Lightening Ck	USFS	R	РО				1					1				
		Non-BPA		research on bull trout populations	The Rocky Mountain Research Station	R	РО				6					4	7			
		Non-BPA		resident fish genetic analysis managed lakes Pend Oreille County	WDFW	R	РО				9					9				
1998		Non-BPA		Restricted vehicle access to Gold Creek	Avista Settlement agreement	R	РО				1					4				
1999	1999	Non-BPA		Resurfacing of Middle Branch Le Clerc Rd.	USFS, Stimson Lumber Co.	R	РО				1					2	3			
				RI/FS Removal Activities in Coeur d'Alene Basin	EPA	R	CDA				1					3				
		Non-BPA		Riparian Demonstration and Education Project (RDEP)	FCD & WDFW	R/W	SP				9					9				
	2003	Non-BPA		Riparian Demonstration and Education Project (RDEP)	FERRY CONS DIST	W/R	UC				1	5				3				
		Non-BPA		Riparian Management Zone research	WDFW	R/W	РО				9					9				
1996	2000	Non-BPA		RMEF hardwood habitat enhancement projec	KT	W	РО				1					3				

								Subb	451115														
Start	End	Funding	ID	Title	Sponsor	Focus	1	2	3	4		Strategies					LFA						
		Non-BPA		Road Surface Treatment	Lincoln County Public Works	R	SPO	S			2						2						
		Non-BPA		Road Surface Treatment	Lincoln County Public Works	R	SPO	UC			2						2						
	2003	Non-BPA		Roberta Creek Restoration	FERRY CONS DIST	W/R	UC				2						2	3					
		Non-BPA		Rocky Mtn Elk – WDFW Monitoring Project	WDFW	V	SPO				6						7						
2001	2004	Non-BPA		Santa Creek Streambank Protection and Stability Project	BSWCD	W/R	CDA				1						2	3					
1997	1999	Non-BPA		Sherman Ck Restoration	USFS	R	UC				1						2	3					
		Non-BPA		Sherman Creek Implementation Project	FERRY CONS DIST	W/R	UC				9						9						
		Non-BPA		Sherman Creek Wildlife Area	WDFW	W	UC				1	2					1	3	4				
1997	ongoing	Non-BPA		Shoreline Assistance Program	KT	R/W	РО				1						2	3					
1999	2002	Non-BPA		Shoreline stabilization projects part of 1998 Settlement with Pend Oreille PUD	KT, WDFW, USFWS, Pend Oreille PUD, USFS	R/W	РО				1						2	3					
				St. Joe Bank Stabilization EQIP Projects	NRCS	R/W	CDA				1						3						
				St. Joe River WRP Projects	NRCS	W	CDA				1						3						
1998		Non-BPA		Stabilized eroding lakeshore	NRCS	R	РО				1						2	3					
		Non-BPA		State regulation enforcement of fish and wildlife laws.	WDFW	W/R	SPO				7						7						
				Steamboat Creek Fish Restoration Project	USFS	R/W	CDA				1						3						

								Subb	451115													
Start	End	Funding	ID	Title	Sponsor	Focus	1	2	3	4		Strategies			LFA							
	2001	Non-BPA		STEVENS FENCING PROJECT	FERRY CONS DIST	W/R	UC				1					2	3					
	2002	Non-BPA		Strandberg Stock Water Project	FERRY CONS DIST	W/R	UC				1					2						
		Non-BPA		stream inventory surveys on segments of Pend Oreille River tributaries on USFS lands	USFS	R	РО				1					7						
	1998	Non-BPA		streambank stabilization project Rapid Lightening	NRCS and landowner	R	РО				1					3						
1996	2003+	BPA		supplement largemouth bass in Box Canyon Reservoir	КТ	R	РО				4					8						
	2002	Non-BPA		The Little Spokane River Watershed Plan Development; A Compilation of Project Results (2001 – 2002)	Spokane County Conservation Dist	R	SPO				5					7						
1998	1998	Non-BPA		Tonata Ck. Culvert Replacement	USFS	R	UC				1					1						
1997	1998	Non-BPA		transported bull trout spawners around intermittent reach of Granite Creek	IDFG	R	РО				1					1						
1994	1996	Non-BPA		Trestle Creek Watershed restoration project	USFS	R	РО				1					3						
		Non-BPA		Water and Soil Protection Project (WASP)	FERRY CONS DIST	W/R	UC	SP			1	3				2	3	7				
		Non-BPA		Water and Soil Protection Project II (WASP II)	FERRY CONS DIST	W/R	UC	SP			1	3				2	3	7				
	2002	Non-BPA		Water and Soil Protection Project III (WASP III)	FERRY CONS DIST	W/R	UC	SP			1	3				2	3	7				
	2001	Non-BPA		water control structure constructed on Derr Creek	NRCS & FSA	R	РО				1	8				1						

Start	End	Funding	ID	Title	Sponsor	Focus	1	1 2 3 4				5	trate	gies				LF	Α		
				Watershed rehabilitation projects	USFS	R/W	CDA				1				3						
1994	1999	Non-BPA		Watershed restoration work North Gold, Granite ck	USFS	R	РО				1				3	2					
2003		Non-BPA		WDFW collecting cougar DNA to study northeast Washington population	WDFW	W	UC	SP			8	6			8	6	7				
2003	2004	Non-BPA		WDFW Wood's Property Shoreline Stabilization Project	КТ	R/W	РО				1				2	3					
		Non-BPA		Well Closure in the Hawk Creek Watershed	LINCOLN COUNTY CONS DIST		SPO				2				2						
		BPA		wildlife habitat compensation for Box Canyon Dam	WDFW, KT, USFWS, PUD, USFS	W	РО				1	2			3	4					
		Non-BPA		year-long creel survey on Lake Pend Oreille and the lower Clark Fork River	IDFG	R	РО				6	8			7						
2000	ongoing	Non-BPA		LPO Bull trout survival study	IDFG, Avista	R	РО				6	8			7						
1999	ongoing	Non-BPA		Clark Fork River Fishery Monitoring	IDFG, Avista	R	РО				6	8			7						
	ongoing	Non-BPA		LPO Bull trout redd counts	IDFG, Avista	R	PO				6	8			7						
	ongoing	Non-BPA		Bull trout trap and transport project	IDFG, Avista	R	РО				4	6	8		1	3					
	ongoing	Non-BPA		Granite Ck channel restoration and fish passage	IDFG, Avista, USFS	R	РО				1	8			1	3	4				

## Endnotes are from ID column.

<sup>i</sup> This project does both hatchery and Monitoring and Evaluation activities throughout the Rufus Woods and Upper Columbia Subasins with a minor role in work done in the San Poil Subbasin

<sup>&</sup>lt;sup>ii</sup> This project is mainly involve with researching ways to reduce entrainment at Gand Coulee Dam and monitoring Kokanne Population in RW, UC, and SP subbasins with a less degree of involvement in the SPO subbasin.

Review of NPCC web-site and comments from John Arterburn

\* Table of strategy codes

Number	Strategy
1	Habitat Improvement or Restoration
2	Habitat Protection/acquisition
3	Watershed Planning/recovery planning
4	Hatcheries/supplementation/augmentation
5	Education/Outreach
6	Research/Monitoring/Evaluation
7	Enforcement and protection
8	Population management

<sup>&</sup>lt;sup>iv</sup> This project is design to compile existing data and collect information to fill data gaps and warehouse and distribute these data for fish and fish habitat within the blocked area.

<sup>&</sup>lt;sup>v</sup> Project has primarily focused on the San Poil watershed but has done some work in the Upper Columbia and the scope allows for work in RW and SPO but no projects in the last 5-years have been conducted in either subbasin.

vi This project mitigates for lost wildlife habitat from the 10 foot pool raise along Lake Rufus Woods.

These are regulatory functions that support fish and wildlife projects viii This project was designed to replace fish entrained at Grand Coulee Dam and was short term emergency funding for 1 year. Primary focus is UC with minimal impacts on SPO and SP per review of NPCC web-site.

Each entity does this regularly as part of their activities.

<sup>\*\*</sup> Table of Limiting Factor Codes

NUMBER	LIMITING FACTOR	EXAMPLES
1	Barriers or impediments to fish and/or wildlife passage	For fish, includes upstream fish passage barriers (such as dams and culverts) as well as entrainment. For wildlife, includes loss of connectivity as a result of highways, urban development, etc.
2	Water quality or quantity	Includes low flow, high flow, low temperature, high temperature, pollutants, oxygen
3	Physical structure of habitat (habitat quality)	For fish, includes riparian condition, channel stability, habitat diversity, fine sediment. Also includes conversion of rivers to reservoirs.
		For terrestrial species, includes lack of key habitat features for target species, noxious weed control, etc.
4	Habitat quantity	Includes acquiring management rights to land.
		Also includes modifying dam operations to make more fish habitat available
5	Competition/predation and/or hybridization	Competition/predation and/or hybridization
6	Disease	Disease
7	Lack of information	Not actually a limiting factor, but a reason why we do studies
		Monitoring and evaluation
8	Indirect mitigation	In some cases the limiting factors cannot be corrected directly, such as the limiting factors that are created by Grand Coulee Dam. This is the category for projects that are designed to mitigate for these types of limiting factors. Hatcheries are the primary example.