Figure K-2. Additional BPA-sponsored research and monitoring efforts related to fish, wildlife, and habitats in the Salmon Subbasin, Idaho.

					Geographic area of coverage								
Project title and number	Primary agency	Years	Summary information	Results /milestones	UPS	PAH	MSP	LEM	MFU	MFL	SFS	TOS	LSA
Law Enforcement Protection Of Salmonids (IDFG)(9202404)	IDFG	1992-1996	Increase levels of fishery harvest & habitat law enforcement throughout the Columbia River Basin. See Project 9202400.	Substantial improvements in law enforcement statistics and inter-dam conversion rates of adult salmon runs have occurred during 1992-1995 longer term time series is needed for evaluation of the effects due to the enhanced law enforcement program. Protection of critical habitat and enforcement of diversion screening compliance has occurred.	X	X	X	X	X	X	XX	X	X
Newsclips On Various BPA Fish & Wildlife Projects(8611600).	Swenson Products	1986-1987	Prepare newsclips for BPA fish and wildlife projects such as Ramsey Cr, OR, Yankee Fk & Bear Valley, ID, Bonneville & McNary Dams, OR-WA, Hungry Horse Reservoir, MT, Lake Koocanusa, MT, Wells Dam, WA, Tumwater Dam, WA, & Dryden Dam, WA.	Prepared newsclips for various fish and wildlife projects funded by BPA including Ramsey Cr, OR, Yankee Fk & Bear Valley, ID, Bonneville & McNary Dams, OR-WA, Hungry Horse Reservoir, MT, Lake Koocanusa, MT, Wells Dam, WA, Tumwater Dam, WA, & Dryden Dam, WA.	X				X				
Film BPA Fish Enhancement Activities In Idaho(8741100).	Echo Film Productions, Inc	1987	Film activities associated with BPA-funded anadromous fish habitat improvement projects in Idaho ( see projects 8335900, 8400500, 8400600, and 8402400).	The contractor filmed work activities associated with the BPA-funded anadromous fish habitat improvement projects in Idaho (i.e., projects 8335900, 8400500, 8400600, and 8402400). The contractor produced 60 minutes of unedited film. Filming took place at: the Middle Fork of the Salmon River, near Loman, Idaho; Elk Creek on the Middle Fork of the Salmon River; Red and Crooked Rivers, tributaries of the Clearwater River; and, Lolo Creek on the South Fork of the Clearwater River.					X				
Newsclips Of Idaho Salmon Habitat Projects(8742200)	Fishpro, Inc	1987	Prepare television news clips for Idaho News Broadcast on anadromous fish projects in the Salmon and Clearwater River Basins.	Prepared television news clips for Idaho News Broadcast made from existing videotape of workers enhancing salmon habitat in Idaho's Clearwater and Salmon Valleys, and of project and Tribal leaders discussing the projects, and salmon using the rejuvenated habitat.	X				X				
Law Enforcement Protection- Salmon Stocks (CRITFC)(9202401).	CRITFC	1992-1996	Increase levels of fishery harvest & habitat law enforcement throughout the Columbia River Basin. See description of Project 9202400. Grant to Columbia River Inter-Tribal Fish Commission (CRITFC).	Substantial improvements in law enforcement statistics and inter-dam conversion rates of adult salmon runs have occurred during 1992-1995 longer term time series is needed for evaluation of the effects due to the enhanced law enforcement program. Protection of critical habitat and enforcement of diversion screening compliance has occurred.	X	X	X	X	X	X	XX	X	X
Incr Law Enforcemnt Pt 5-Interagncy Tsk Force Coord(9202405).	Superior Maintenance, Waste Mgmnt Of Vancouver	1993, 1995	Supports inter-agency task forces and coordination for fisheries harvest and habitat law enforcement throughout the Columbia Basin. See Project 9202400.	Substantial improvements in law enforcement statistics and inter-dam conversion rates of adult salmon runs have occurred during 1992-1995 longer term time series is needed for evaluation of the effects due to the enhanced law enforcement program. Protection of critical habitat and enforcement of diversion screening compliance has occurred.	X	X	X	X	X	X	XX	X	X
Columbia Basin Regional Fish Screening(9202800)	Pacific States Marine Fish Com, Columbia Basin F&W Foundation	1992-1996	Plan and oversee the environmental, design and construction of several thousand fish screens and adult fish passage facilities in the Columbia River Basin.	The FSOC has developed a regional plan of high priority and long-term fish passage and screening improvements. We have initiated NEPA and design of high priority projects, identified cost sharing arrangements, and implemented high priority improvements with Mitchell Act funds.	X	X	X	X	X	X	XX	X	X
Regional Habitat Education Support(9301100).	University of Washington, Utah State University, Multnomah Education Service Dist., Curtis Consulting	1993-1996		Initiated the Federal Environmental Educators Consortium. Organized the first Pacific Northwest Regional Environmental Education meeting. Supported both the Environmental Education Association of Oregon and the Environmental Education Association of Washington, Presented over 80 talks to schools on BPA's Fish and Wildlife Program. Initiated the Citizens Stream Monitoring Program. Education project programmatically encompasses environmental education from childhood through adult. The project spans the BPA service area with an array of subprograms ranging from speaking engagements, video loans, stream walks, and curricula, to collecting field data, producing reports and participating in regional, national and global computer networks									
Manchester Spring Chinook Captive Brood(9606700).	NMFS – Seattle Office	1996-1997	Upgrade the Manchester Marine Experimental Station for rearing of endangered salmonid stocks from smolt to adult in seawater. Stocks include: Grande Ronde, Catherine Cr, & Lostine River in OR and Lemhi, East Fork Salmon, & West Fork Yankee Fork in	In August 1996 NMFS began this BPA funded project rearing Snake River spring/summmer chinook salmon captive broodstock in seawater at the NMFS Manchester Marine Experimental Station. Two phases were involved: construction of proper facilities and the actual rearing of the fish.	X		X	X					
Nez Perce NF Early Action Watershed Projects(9607700)	Nez Perce Tribe.	1996	Enhanced many streams, including Johnson Creek in the South Fork Salmon watershed. Installed or repaired instream structures and fences. Obliterated unused logging roads.	In Johnson Creek, the project stabilized streambanks, replanted riparian vegetation, and installed fish structures.							X		
Water Budget Management (8353600)	Pacific States Marine Fish Com	1984-1987	Management of the Water Budget, monitoring of juvenile fish migration and determination of migration timing, travel, survival, etc. Project was developed in conjunction with 8000100, 8349100, and 8666000. Abt 25 hatcheries and dams participated.	Using data on fish movements supplied by the Smolt Monitoring Program (Project 80-1), the Water Budget Managers requested flows and spill over dams to afford the best possible conditions for fish passage. In conjunction with project 8349100 and project 8666000 there was also monitoring of juvenile fish migration and determination of migrational characteristics of the smolt outnigration, including migration timing, travel time, and smolt survival. About 25 hatcheries and dams participated in the study.									
East Fork Salmon/ Pahsimeroi Habitat Enhancement(9401702)	Custer Soil & Water Cons Dist.	1996-1997	Ingram fencing project on the East Fork of the Salmon River.	Protection of 1.3 miles of the river. As the riparian zone recovers, more shade will be created thus lowering stream temperatures. Eventually there will be input of large woody debris.			X						

Figure K-2. Additional BPA-sponsored research and monitoring efforts related to fish, wildlife, and habitats in the Salmon Subbasin, Idaho.

							Geog	raphic a	area o	of cover	age	
Project title and number	Primary agency	Years	Summary information	Results /milestones	UPS	PAH	MSP	MFU	MFL	MSC	SFS	LOS
Increase Alturas Lake Cr Flow / Busterback Ranch(8341500).	Sawtooth National Forest.	1983-1989	Salmon River. The purchase of the 2,201 acre Busterback Ranch and its water rights was the major tool in this effort. The USFS bought the land and BPa bught the water rights	This project acquired minimum streamflows for Alturas Lake Creek and the Salmon River by the purchase of the 2,201 acre Busterback Ranch and its water rights. The project was completed in 1992. U. S. Forest Service administers this property, under a memorandum of interagency agreement signed in spring 1992 by USFS and BPA.  USFS paid most of the purchase price for the property. BPA contributed \$769,000 toward the purchase price of \$3,200,000. Our contribution was for water rights appurtenant to the property. The Forest Service transferred \$2,431,000 to BPA, which we disbursed to a title company along with our \$769,000 to accomplish the closing.	X							
Pole Creek Irrigation Diversion Screening(8341600).	Sawtooth National Forest.	1983		Surveys have estimated that the area above the Pole Creek diversion is capable of supporting 937 Chinook spawners and 563 steelhead spawners. An estimated 25 percent of the juveniles produced by these spawners would have been lost in the diversion before the screen was installed, this represents an annual loss of up to 234 chinook and 141 steelhead.	X							
Camas Creek Riparian Protection(8402300)	USFS - Region 4	1984-1993	rearing potential on Camas Creek, Idaho through riparian fencing, bank and instream work. M & E is conducted via projects 8300700 & 8300900.	Riparian areas have been reestablished, providing suitable habitat for migrating/spawning fish. Fences and fording gates have provided conducive environment for increase in redds and less use of property within the fenced areas. The habit effort has resulted in significant improvements in the riparian vegetation and stream condition in the project area. This project is expected to result in the production of an additional 4,586 smolt or 76 adult summer steelhead and 24,570 smolt or 128 adult spring chinook salmon (May and Rose, 1986).				X				
Marsh, Elk Creek & Upper Salmon River Habitat Work(8402400).	USFS - Region 4	1984-1996	and the upper Salmon River drainages. Improve stream habitat by riparian fencing and instream work. Continue with O&M of projects to insure long term benefits.	Detailed surveys have measured the quantity of habitat that could be enhanced. Data has been developed to quantify expected increases in fish habitat and fish standing crops using fish population/standing crop surveys and applicable data from similar streams. Measures to improve habitat, including in some cases fencing, streambank stabilization, and instream structures have been completed. BPA and the USFS have agreed to plan and design these projects cooperatively; funding for implementation shall be accomplished on a cost sharing basis between the two Federal agencies. During August and September 1995 a physical inventory was conducted on selected streams by USFS personnel. Photo points were retaken at major project sites. Adult chinook salmon spawning ground counts have occurred each August. The upper Salmon River, Valley Creek, Pole Creeks and Knapp Creek were walked to tally chinook salmon spawning associated with project sites. At the same time, Boise National Forest personnel conduct an intensive inventory of spawning salmon in the Bear Valley drainage.	X			X				
S Fk Salmon River Anadromous Fish Enhancement(9303300)	USFS - Region 4	1993-1995		Worked on reducing sediment in the South Fork of the Salmon River and two of its tributaries, Johnson Creek and Lake Creek. Improved stream habitat with the potential benefit to summer Chinook as an increase in smolt production of 223,774; and to summer steelhead, 13,805.							X	