

Project Name	Project Number	Primary Tagging Type	Secondary Tagging Type	Fish Species	Tagging Details (insert, retrieval, monitor, etc.)	# Fish Tagged Annually w/ Primary	# Fish Tagged Annually w/ Secondary	Legal Driver (BiOp, MOA, Accord, etc.)	Tagging Purpose	Funded Entity	Tagging Location	Retrieval or Detection Location	FY 11 Funding	FY 12 Funding	Cost/auth/d ata vetted by COTR?	COTR
Coded Wire Tag PSMFC	1982-013-01	CWT		Chinook, coho	retrieval, decoding, angler effort, analysis?	NA		BiOp	NA	PSMFC	NA	Lower & mid-Col R mainstem & tribs	\$2,173,194	\$2,192,753		Rick Golden
Coded Wire Tag - ODFW	1982-013-02	CWT		Chinook, coho	insertion, decoding?, analysis	200K coho, 325K spCh, 250K fCh		? (MA, state, and COE hatcheries)	hatchery operations & harvest regulation	ODFW	Willamette & mid-Col R hatcheries	Willamette & mid-Col hatcheries	\$228,911	\$230,971		Rick Golden
Coded Wire Tag - USFWS	1982-013-03	CWT		Chinook, coho	insertion, decoding?, analysis	150K spCh, 25K coho		? (at least some MA hatcheries)	hatchery ops & harvest reg	USFWS	Clackamas R & mid-Col R hatcheries	Clackamas R & mid-Col R hatcheries	\$115,607	\$116,647		Rick Golden
Coded Wire Tag - WDFW	1982-013-04	CWT		Chinook, coho	insertion, decoding?, analysis	390K spCh, 550K fCh, 292K coho		? (hatcheries all Mitchell Act)	hatchery ops & harvest reg	WDFW	Lower & mid-Col R hatcheries	Lower & mid-Col R hatcheries	\$335,293	\$338,311		Rick Golden
Hood River Production, Operations, and Maintenance - Warm Springs	1988-053-07	CWT		Sp Chinook	insert	85K spCh		Accord	hatchery ops	Warm Springs Tribe	Hood River	Parkdale Hatchery	\$23,096	\$27,380		Rick Golden
Hood River Production, Operations, and Maintenance - ODFW	1988-053-08	CWT		Sp Chinook, steelhead	insert	50K SH, 83K spCH		??	hatchery ops	ODFW	Hood River	Parkdale Hatchery	\$25,000	\$25,000		Rick Golden
Colville Hatchery O&M	1985-038-00	CWT		Redband	insert, retrieve, analysis					Colville Tribes			\$75,000	\$75,000		Carlos Matthew
Nez Perce Tribal Hatchery RM&E	1983-350-03	CWT	PIT	Sp & Fall Chinook	insert					Nez Perce Tribe			\$180,000	\$245,000		Jonathan McCloud
Lower Columbia CWT Recovery Project	2010-036-00	CWT	PIT	Chinook, coho	retrieval, analysis, address PSMFC sampling shortfalls					WDFW		Lower mainstem and WA tribs below Bonneville.	\$800,000	\$600,000		Rick Golden
Umatilla Hatchery M&E	1990-005-00	CWT	PIT		insert, retrieve, analysis					ODFW			\$345,494	\$332,066		Timmie Mandish
Select Area Fisheries Enhancement	1993-060-00	CWT		Fall Chinook	insert, analysis			US v OR?	Hatchery Ops?	WDFW			\$26,300	\$30,300		Tracy Hauser
				Fall Chinook	insert			US v OR?	Hatchery Ops?	Clatsop County			\$16,584	\$17,536		Tracy Hauser

PIT																
Columbia Basin PIT Tag Information	1990-080-00	PIT		numerous	data storage and retrieval/summary service	NA		?	NA	PSMFC	NA	NA	\$2,616,917	\$2,615,792		Cecilia Brown
													\$1,125			
PIT Tagging Wild Chinook	1991-028-00	PIT		sp/summer Chinook (wild)	insert, detect(?), analysis	39K		BiOp?	RM&E	NOAA	Lower Granite Dam	Mainstem, Snake, and Trib detectors	\$328,394	\$490,880		Deb Docherty
													\$39,339	\$43,520		
Lower Snake River Compensation Plan PIT Tag Reimbursement	2007-406-00	PIT		???	insert	???		Pisces shows as in implementation stage, but no								
Tucannon Expanded PIT Tagging	2010-042-00	PIT		sp Chinook, steelhead	insert, detect	3K NO SH, 23-25K hatchery spCh		BiOp?	RM&E, and hatchery ops?	WDFW	Tucannon River	Mainstem, Snake, and Tucannon detectors	\$34,435	\$39,004		Sarah Branum
													\$30,553	\$26,505		
Adult PIT Detector Installation	2001-003-00	PIT			install detectors, detect, analysis			BiOp?	RM&E?	NOAA			\$148,040	\$246,434		Cecilia Brown
													\$5,864	\$4,590		
Abundance, Prod, Life History of 15mile Creek Winter Steelhead	2010-035-00	PIT		steelhead	insert, install detectors, detect, analysis	2750 SH		BiOp	RM&E	ODFW	Fifteenmile Creek, Oregon	Fifteenmile Creek and mainstem detectors	\$333,800	\$328,000		Rick Golden
													\$2,410			
Investigation of RRS of Hatchery Stray SH in Deschutes	2007-299-00	PIT		steelhead	insert, install detectors, detect, analysis	6,500 SH (juv and adult)		BiOp??	RM&E	ODFW	Bake Oven & Buck Hollow tribs to Deschutes	Bake Oven & Buck Hollow, mainstem detectors	\$335,000	\$325,000		Rick Golden
													\$15,009	\$10,150		
Hood River RM&E - Warm Springs	1988-053-03	PIT		sp Chinook, steelhead	install detectors, detect, analysis	15K hatchery spCh, 20 adult SH, 5K hatchery SH		Partial BiOp, Accord	RM&E	Warm Springs Tribe, USGS	Hood River	Hood River, and mainstem detectors	\$117,000	\$171,211		Rick Golden
Hood River RM&E - ODFW	1988-054-04	PIT			detect, analysis			Partial BiOp	RM&E	ODFW			\$19,707	\$22,547		Rick Golden
Kootenai River White Sturgeon Aquaculture Conservation Facility	1988-064-00	PIT		White Sturgeon	insert			Non-BiOp???, MOA?	Hatchery Ops?	Kootenai Tribe			\$50,000	\$100,000		Lee Watts

Hood River Production, Operations, and Maintenance - ODFW	1988-053-08	PIT			insert			Partial BiOp	RM&E	ODFW			\$10,000	\$10,000		Rick Golden
New Marking and Monitoring Technologies	1983-319-00	PIT			install detectors, detect, analysis			BiOp	RM&E	NOAA			\$1,215,000	\$602,144		Cecilia Brown
Nez Perce Tribal Hatchery RM&E	1983-350-03	PIT			insert			???		Nez Perce Tribe			\$105,096	\$75,685		Jonathon McCloud
Evaluate Sturgeon Populations in the Lower Columbia River	1986-050-00	PIT		Sturgeon	insert, detect, analysis			Non-BiOp???	RM&E	ODFW			\$396,467	\$396,467		Dave Roberts
Smolt Monitoring by Non-Federal Entities	1987-127-00	PIT			insert, detect			BiOp	RM&E	Fish Passage Center			\$200,000	\$200,000		Barbara Shields
Evaluate Umatilla Juvenile Salmonid Outmigration	1989-024-01	PIT		Wild Steelhead	insert, detect, analysis			BiOp?	RM&E	ODFW			\$102,487	\$111,000		Timmie Mandish
Salmon Studies in Idaho Rivers-Idaho Department of Fish and Game (IDFG)	1989-098-00	PIT	CWT, Genetic	SR Sp. Chinook, SR steelhead	insert			BiOp	RM&E	IDFG			\$295,000	\$295,000		David Byrnes
				SR Sp. Chinook, SR steelhead, numerous resident	insert			BiOp	RM&E	Nez Perce Tribe			\$115,513	\$154,928		David Byrnes
				SR Sp. Chinook	insert			BiOp??	RM&E	USFWS			\$6,500	\$6,500		David Byrnes
				SR Sp. Chinook	insert			BiOp??	RM&E	Shoshone-Bannock Tribes			\$45,200	\$42,670		David Byrnes
														\$49,686	\$50,755	
Umatilla Hatchery M&E	1990-005-00	PIT			insert			BiOp??		ODFW			\$24,096	\$40,482		Timmie Mandish
Umatilla Basin Natural Production Monitoring and Evaluation (M&E)	1990-005-01	PIT		Chinook, steelhead, possibly resident species	insert			????	RM&E, Hatchery Ops?	Umatilla Tribes			\$40,000	\$42,000		Timmie Mandish
													\$8,606	\$8,650		
Coeur D'Alene Reservation Fisheries Habitat	1990-044-00	PIT		Westslope cutthroat, smallmouth bass, N pike	insert, install detector, detect, analysis			???	Hatchery Ops?	Coeur D'Alene Tribe			\$148,555	\$148,555		Lee Watts
													\$861	\$865		

Idaho Steelhead Monitoring and Evaluation (M&E) Studies	1990-055-00	PIT	Genetic	SR steelhead and spring Chinook	insert, analysis??			BiOp??	RM&E?	IDFG			\$68,272	\$68,272		David Byrnes
														\$34,423	\$59,858	
Development of Systemwide Predator Control	1990-077-00	PIT		Pikeminnow	insert			BiOP??		PSMFC			\$1,721	\$1,730		John Skidmore
Hungry Horse Mitigation/Flathead Lake Restoration and Research, Monitoring and Evaluation (RM&E)	19991-019-01	PIT		Lake trout	insert, detect, analysis			MOA??	RM&E	Salish and Kootenai Tribes			\$15,000			Cecila Brown
													\$5,163			
Research, monitoring, and evaluation of emerging issues and measures to recover the Snake River fall Chinook salmon ESU	1991-029-00	PIT		SR Fall Chinook	analysis			BiOp	RM&E	University of Idaho			\$8,000	\$8,000		Deb Docherty
				SR Fall Chinook	insert, detect, analysis			BiOp	RM&E	USGS			\$35,550	\$35,550		Deb Docherty
				SR Fall Chinook	insert, detect, analysis			BiOp	RM&E	USFWS			\$71,477	\$71,477		Deb Docherty
Grande Ronde Early Life History of Spring Chinook and Steelhead	1992-026-04	PIT	Radio	Sp. Chinook, steelhead	insert			BiOp??	RM&E	ODFW			\$142,557	\$145,511		Tracy Hauser
													\$41,173	\$31,140		
Survival Estimate for Passage through Snake and Columbia	1993-029-00	PIT		numerous	insert, detect, analyze			BiOP	RM&E	NOAA			\$2,000,000	\$1,769,713		Barbara Shields
													\$121,868	\$121,800		
Advance Hatchery Reform Research	1993-056-00	PIT		steelhead	Insert			???	Hatchery Ops	USFWS			\$0	\$19,500		Greg Baesler
				steelhead	insert, analysis??			???	Hatchery Ops	NOAA			\$19,950	\$19,950		Greg Baesler
													\$36,261	\$36,419		
Trout Creek Operations and Maintenance (O&M)	1994-042-00	PIT		steelhead	insert, analysis			BiOp?	RM&E	ODFW			\$24,460	\$26,000		Jamie Swan
													\$8,125	\$8,120		

Libby Reservoir Mitigation Restoration and Research, Monitoring and Evaluation (RM&E)	1995-004-00	PIT		Rainbow and burbot	insert			MOA?	RM&E?	MFWP			\$13,595	\$13,595		Cecilia Brown
														\$5,190		
Lake Roosevelt Sturgeon Recovery	1995-027-00	PIT	scute mark	Sturgeon	insert			MOA?	RM&E?	Spokane Tribe			\$25,680	\$25,680		Carlos Matthew
														\$30,981	\$43,250	
Yakima River Monitoring and Evaluation- Yakima/Klickitat Fisheries Project (YKFP)	1995-063-25	PIT	CWT, elastomer	Sp. & Fall Chinook, coho,	insert			Accord?	RM&E	Yakama Tribes			\$644,344	\$644,344		Patty Smith
														\$358,169	\$360,013	
Klickitat River Monitoring and Evaluation- Yakima/Klickitat Fisheries Project (YKFP)	1995-063-35	PIT		Sp. Chinook, steelhead	insert, detection			Accord?	Hatchery Ops, RM&E, or both?	Yakama Tribes			\$194,276	\$194,276		Mary Todd Haight
													\$61,790	\$62,050		
Data Access in Real Time (DART)	1996-019-00	PIT	Radio	numerous	analysis			???	RM&E	University of Washington			\$150,000	\$150,000		Alan Ruger
Comparative Survival Study (CSS)	1996-020-00	PIT		Chinook, steelhead	insert, analysis			BiOp?	RM&E	PSMFC			\$385,446	\$403,572		Tracy Hauser
				Chinook, steelhead						USFWS		\$195,625	\$200,516		Tracy Hauser	
														\$589,834	\$581,107	
Yakama Reservation Watershed Project	1996-035-01	PIT		steelhead	insert, analysis			BiOP	RM&E	Yakama Tribes			\$46,152	\$46,152		Jay Marcotte
													\$6,885	\$6,920		
Mid-Columbia Reintroduction Feasibility Study	1996-040-00	PIT		coho	insert, analysis			Accord?	Hatchery Ops	Yakama Tribes			\$37,865	\$88,349		Roy Beaty
													\$115,946	\$115,940		
Johnson Creek Artificial Propagation Enhancement	1996-043-00	PIT		Chinook	insert			BiOp??	Hatchery Ops??	Nez Perce Tribe			\$139,250	\$77,750		Jonathan McCloud
													\$11,250	\$61,725		
Resident Fish above Chief Joseph and Grand Coulee Dams	1997-004-00	PIT	Floy	Redband	insert, detection, analysis?			MOA?	???	WDFW			\$4,303	\$4,325		Lee Watts

Imnaha River Smolt Monitoring	1997-015-00	PIT		steelhead	insert, analysis			BiOp?	RM&E	Nez Perce Tribe			\$35,930	\$105,000		Barbara Shields	
														\$7,917			
Chinook Salmon Adult Abundance Monitoring	1997-030-00	PIT		steelhead	insert			BiOp?	RM&E	Nez Perce Tribe			\$12,000	\$12,000		Deb Docherty	
														\$0	\$4,060		
Grande Ronde Supplementation Operations and Maintenance (O&M) and Monitoring and Evaluation (M&E) on Lostine River	1998-007-02	PIT	CWT	Chinook	insert, analysis			BiOp?	RM&E?; Hatchery Ops	Nez Perce Tribe			\$112,624	\$96,809		Jonathan McCloud	
																	\$15,318
Monitor and Evaluate (M&E) Performance of Juvenile Snake River Fall Chinook Salmon from Fall Chinook Acclimation Project	1998-010-04	PIT		Chinook	insert					Nez Perce Tribe			\$90,000	\$111,580		Deb Docherty	
																	\$40,623
Escapement and Productivity of Spring Chinook and Steelhead	1998-016-00	PIT		Chinook, steelhead	insert, analysis			BiOp?	RM&E	ODFW			\$315,160	\$315,100		Jason Karnezis	
																	\$13,769
Wind River Watershed	1998-019-00	PIT	Floy	steelhead	insert, detection, analysis			BiOp?	RM&E?	WDFW			\$101,723	\$101,723		Mary Todd Haight	
				steelhead	insert, construct detectors			BiOp?	RM&E	USGS				\$140,584	\$192,205		Mary Todd Haight
														\$9,466	\$10,380		
Walla Walla River Basin Monitoring and Evaluation (M&E)	2000-039-00	PIT		Chinook, steelhead	insert, detect, install detector, analysis			BiOp?	RM&E	Umatilla Tribes			\$339,000	\$336,578		Sarah Branum	
				Chinook, steelhead	insert, detect, analysis			BiOp?	RM&E	WDFW				\$160,184	\$160,184		Sarah Branum
														\$41,724	\$44,290		
Adult PIT Detector Installation	2001-003-00	PIT		numerous	insert, detect, analysis			BiOp	RM&E	NOAA			\$148,040	\$246,434		Cecilia Brown	
																	\$5,864

Evaluate the Status of Pacific Lamprey in the Lower Deschutes River	2002-016-00	PIT		Lamprey	insert, detect			???	RM&E	Warm Springs Tribe			\$46,765			Deb Docherty
SNAKE RIVER FALL CHINOOK SALMON LIFE HISTORY INVESTIGATIONS	2002-032-00	PIT		Fall Chinook	analysis			BiOp?	RM&E	USGS			\$25,000	\$25,000		Deb Docherty
Asotin Creek Salmon Population Assessment	2002-053-00	PIT	Floy	steelhead	insert, analysis			BiOp	RM&E	WDFW			\$34,079	\$48,642		Tracy Hauser
														\$7,745	\$8,085	
Integrated Status and Effectiveness Monitoring Program (ISEMP)	2003-017-00	PIT		Chinook, steelhead	insert, detect, analysis			BiOp	RM&E	USFWS			\$75,000	\$175,000		David Byrnes
				Chinook, steelhead	construct detector			BiOp	RM&E	NOAA			\$133,950	\$133,950		David Byrnes
				Chinook, steelhead	construct detectors			BiOp	RM&E	Biomark			\$806,930			David Byrnes
				Chinook, steelhead	insert, detect, analysis			BiOp	RM&E	Quantitative Consultants			\$937,225	\$958,625		David Byrnes
				Chinook, steelhead	insert, detect			BiOp	RM&E	Eco Logical			\$208,077	\$204,540		David Byrnes
													\$255,648	\$198,670		
Monitor and Evaluate (M&E) Reproductive Success and Survival in Wenatchee River	2003-039-00	PIT		Chinook	insert			BiOp?	RM&E	WDFW			\$9,211	\$9,211		Joe Connor
														\$8,606	\$8,650	
Evaluate Delayed (Extra) Mortality Associated with Passage of Yearling Chinook Salmon through Snake River Dams	2003-041-00	PIT		Chinook	Insert, analysis			BiOp	RM&E	NOAA			\$871,987	\$72,330		Deb Docherty
														\$152,335	\$0	
Natural Reproductive Success and Demographic Effects of Hatchery-Origin Steelhead in Abernathy Creek, Washington	2003-063-00	PIT		steelhead	insert, detect, analysis			BiOp?	RM&E	USFWS			\$106,891	\$86,961		John Baugher
														\$4,303	\$8,650	
Mainstem Columbia Amendments Research at Libby Dam	2006-008-00	PIT	Radio	sturgeon, bull trout, cutthroat, rainbow	insert, detect			MOA?	RM&E	MFWP			\$53,571	\$53,571		Cecilia Brown
														\$2,031	\$2,031	

Rock Creek Fish and Habitat Assessment	2007-156-00	PIT		steelhead	insert, detect			Accord	RM&E	Yakama Tribes			\$135,304	\$135,304		Mary Todd Haight
														\$2,065	\$2,065	
Bull Trout Status and Abundance on Warm Springs Reservation	2007-157-00	PIT		Bull trout	insert, detect, analysis			Accord	RM&E	Warm Springs Tribe			\$52,198	\$55,500		Jamie Swan
Kelt Reconditioning and Reproductive Success Evaluation Research	2007-401-00	PIT	Acoustic	steelhead	insert, detect, analysis			Accord?	RM&E	CRITFC			\$145,000	\$145,000		Tracy Hauser
														\$8,606	\$20,760	
Snake River Sockeye Captive Propagation	2007-402-00	PIT		sockeye	insert, analysis			BiOp?	RM&E, Hatchery Ops?	IDFG			\$80,500	\$80,500		Greg Baesler
														\$14,974	\$17,255	
Deschutes River Fall Chinook Research and Monitoring	2008-306-00	PIT	CWT	Chinook	insert			BiOp?	RM&E	Warm Springs Tribe			\$39,500	\$39,500		Jamie Swan
														\$42,811	\$68,850	
Willamette Falls Lamprey Escapement Estimate	2008-308-00	PIT	Floy	Lamprey	insert, detect			Accord	RM&E	Warm Springs Tribe			\$150,200	\$150,200		Deb Docherty
Natural Production Management and Monitoring	2008-311-00	PIT		Chinook, steelhead	insert			Accord	RM&E	Warm Springs Tribe			\$0	\$28,024		Jamie Swan
Upper Columbia Nutrient Supplementation	2008-471-00	PIT		not specified	insert			Accord	??	Yakama Tribes			\$10,000	\$2,000		Roy Beaty
														\$9,663	\$1,990	
Studies into Factors Limiting the Abundance of Okanagan and	2008-503-00	PIT	Acoustic, temperature	sockeye	insert, detect, analysis	600	60 acoustic, 300 temp	Accord	RM&E	CRITFC	Wells Dam	Mainstem Detectors	\$90,691	\$90,691		Joe Connor
															\$1,219	\$1,218
Upstream Migration Timing	2008-518-00	PIT		Chinook, sockeye, steelhead	insert, analysis	6,600		Accord	RM&E	CRITFC	Bonneville Dam	Mainstem and Trib detectors	\$255,811	\$334,738		Rick Golden
															\$18,674	\$12,816
Non-Native Fish Hot Spots	2008-718-00	PIT		smallmouth bass	insert	1,000		BiOp?	RM&E	ODFW	Dalles, John Day, and McNary forebays/spillways	Mainstem and Trib detectors	\$5,700	\$5,700		John Skidmore
															\$1,721	\$2,595

Salmon River Basin Nutrient Enhancement	2008-904-00	PIT		Chinook, steelhead, cutthroat, brook trout, bull trout, whitefish	insert	2,500		MOA?	RM&E	ShoBan	Salmon River tributaries	Mainstem, Snake, and Trib detectors	\$31,500	\$31,500		Joe DeHerrera	
Supplementation Projects	2008-905-00	PIT			install detector array			MOA?	RM&E??	ShoBan	Yankee Fork, Salmon River		\$101,504			Joe DeHerrera	
Expanded Multi-Species Acclimation in the Wenatchee/Methow	2009-001-00	PIT		Chinook, steelhead	insert	52,000		Accord	Hatchery Ops	Yakama Tribes	Wenatchee, Methow basins	Mainstem and Trib detectors	\$0	\$68,337		Roy Beaty	
															\$105,619	\$64,960	
Project to provided VSP Estimates for Yakima Steelhead MPG	2010-030-00	PIT		steelhead	insert	10,000		Accord	RM&E	WDFW	Yakama River	Yakama R. & Mainstem detectors	\$109,516	\$108,036		Sandra Fife	
				Radio	steelhead	insert, detection, analysis	1,325	500	Accord	RM&E	Yakama Tribes	Yakama River	Yakama R. & Mainstem detectors	\$352,436	\$279,892		Sandra Fife
																\$17,211	\$25,490
Imnaha River Steelhead Status Monitoring	2010-032-00	PIT		steelhead	insert, detection, analysis	100		BiOp?	RM&E	Nez Perce Tribe	Imnaha River	Imnaha River	\$276,107	\$66,750		Deb Docherty	
																	\$2,237
Upper Columbia Spring Chinook and Steelhead Juvenile and Adult Abundance, Productivity and Spatial Structure Monitoring	2010-034-00	PIT		steelhead, Chinook	install detection arrays, detection, analysis	0		BiOp?	RM&E	WDFW		Upper Columbia tribs/Methow R.	\$301,914	\$301,914		Joe Connor	
						0		MOA?	RM&E	Colville Tribes		Upper Columbia tribs/Methow R.	\$112,000	\$125,000		Joe Connor	
Tucannon Expanded Pit Tagging	2010-042-00	PIT		steelhead, Chinook	insert, dectection	15,500			Hatchery ops (CH), RM&E (steelhead)	WDFW	Tucannon River & hatchery	Tucannon River	\$34,435	\$39,004		Sarah Branum	
																\$30,553	\$26,505
B-run steelhead supplementation effectiveness research	2010-057-00	PIT	CWT	steelhead	insert, detection, analysis	not stated	not stated	BiOp?	Hatchery Ops; RM&E	Nez Perce Tribe	SF Clearwater River, Lolo Ck, Dworshak Hatchery	SF Clearwater, Lolo Ck, mainstem dams	\$0	\$223,600		Jonathan McCloud	
Characterizing migration and survival for juvenile Snake River sockeye salmon between the upper Salmon River basin and Lower Granite Dam	2010-076-00	PIT		sockeye	insert, analysis	3,000		BiOp?	Hatchery Ops	IDFG	Redfish Lake Creek	Upper Salmon River, Lower Granite Dam	\$54,635	\$59,553		Jonathan McCloud	
																	\$1,377

Evaluate Status & Limiting Factors of Pacific Lamprey in the lower Deschutes River, Fifteenmile Creek and Hood River Subbasins	2011-014-00	PIT	Floy	Lamprey	insert, detection, analysis	not stated	not stated	Accord?	RM&E	Warm Springs Tribe	Fifteenmile Creek, Deschutes River, Oregon	Bonneville Dam, Warm Springs River, Fifteenmile Ck, Hood River	\$0	\$136,500		Deb Docherty
Genetic																
Snake River Chinook and Steelhead Parental Based Tagging	2010-031-00	Genetic	SNP	Chinook salmon, steelhead	sampling, analysis			MOA??	RM&E	IDFG			\$1,701,034	\$1,050,000		Barbara Shields
Genetic Assessment of Columbia River Stocks	2008-907-00	Genetic	SNP	Chinook, sockeye, steelhead, others.	method development, analysis			Accord	RM&E	CRITFC			\$998,958	\$857,407		Barbara Shields
Influence of Environment and Landscape on Salmonid Genetics	2009-005-00	Genetic	SNP	steelhead, redband	sampling, analysis			Accord	RM&E	CRITFC			\$237,088	\$150,765		Barbara Shields
Chinook and Steelhead Genotyping for Genetic Stock Identification (GSI) at Lower Granite Dam	2010-026-00	Genetic	SNP	Chinook, steelhead	method development, analysis			BiOP? MOA?	RM&E	IDFG			\$669,448	\$669,448		Barbara Shields
Acoustic																
Kootenai River Fishery Investigations	1988-065-00	Acoustic		White Sturgeon, Burbot	insert, detect, analysis			MOA?	RM&E, Hatchery Ops?	IDFG			\$160,000	\$165,000		Lee Watts
Lake Roosevelt Data Collection	1994-043-00	Acoustic		kokanee	insert, detect, analysis?			MOA?	Hatchery Ops	Spokane Tribe			\$65,680	\$65,680		Carlos Matthew
Coastal Ocean Acoustic Salmon Tracking (COAST)	2003-114-00	Acoustic	PIT	salmonids	insert, detect, analysis			BiOP??	RM&E	Kintama Research			\$2,142,086	\$656,378		Barbara Shields
Sea Lion Non-Lethal Hazing	2008-004-00	Acoustic		sea lions	insert, detect, analysis			BiOP??	RM&E	CRITFC			\$46,112	\$46,500		Anne Creason
										Yakama Tribes						

Characterizing migration and survival for juvenile Snake River sockeye salmon between the upper Salmon River basin and Lower Granite Dam	2010-076-00	Radio tags	PIT	sockeye	insert, detect, analysis	800	800	BiOp?	Hatchery Ops?	NOAA	Sawtooth Hatchery, Ringold Hatchery	Upper Salmon River to Lower Granite Dam	\$898,266	\$903,336		Jonathan McCloud	
		Other															
Modeling and Evaluation Statistical Support for Life-Cycle Studies	1991-051-00	PIT	CWT, acoustic, others	numerous	analysis			BiOp??	RM&E	University of Washington			\$103,658	\$104,584		Christine Peterson	
Idaho Natural Production Monitoring and Evaluation (M&E)	1991-073-00	Various?			analysis?					IDFG						David Byrnes	
Fish Passage Center	1994-033-00	Various?		numerous	analysis			BiOp?	RM&E	PSMFC						Tracy Hauser	
Lake Pend Oreille Kokanee Mitigation	1994-047-00	not stated		Rainbow trout	retrieval, analysis			MOA?	RM&E	IDFG			\$20,000	\$20,000		Cecilia Brown	
Lake Roosevelt Sturgeon Recovery	1995-027-00	Calcien		Sturgeon	marking			MOA?	Hatchery Ops?	Spokane Tribe			\$28,637	\$28,637		Carlos Matthew	
Deschutes River Sockeye Development	2008-307-00	Floy	PIT	sockeye	insert, detect, analysis			BiOp?	RM&E	Warm Springs Tribe			\$19,300	\$40,000		Jamie Swan	
Rufus Woods Habitat/Passage Improvement, Creel and Triploid Supplementation	2007-405-00	Floy		rainbow trout	insert			MOA?	Hatchery Ops?	Collville Tribes				\$14,000		Carlos Matthew	
Spring Chinook Captive Propagation-Idaho	2007-403-00	Spagetti Tags		Chinook	insert			MOA?	RM&E	IDFG			\$40,000	\$10,000		Greg Baesler	
Development of Systemwide Predator Control	1990-077-00	Spagetti Tags	PIT	Pikeminnow	insert			BiOP??		PSMFC			\$379,465	\$379,465		John Skidmore	

Spokane Tribal Hatchery Operations and Maintenance (O&M)	1991-046-00	Otolith			marking								\$40,000	\$40,000		Carlos Matthew
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Could call this column "obligation or authority"

Need a clear definition of RM&E vs hatchery ops

	FY 11	FY 12
CWT Total =	\$5,331,673	\$5,228,210
PIT Total =	\$20,409,887	\$18,656,983
Genetic Total =	\$3,606,528	\$2,727,620
Acoustic Total =	\$2,413,878	\$933,558
Radio tag Total	\$2,105,139	\$2,136,342
Other Tags =	\$631,060	\$636,686
Tagging Total =	\$34,498,165	\$30,319,399

Are separate columns needed for each fish species tagged in order to be able to tab totals? spCh, fCh, coho, steelhead, sturgeon, sockeye, lamprey, and other?

Costs for planning tagging programs, contract management, and writing annual reports have generally not been captured here. A reasonable estimate would be...perhaps 5% of total? Probably not worth trying to tally, might invite controversy/challenge

No genetic-microsat projects included in this version of spreadsheet. The problem is that it does not seem to fit with "tagging" as use it in the FTF. Seems to be more of a basin-specific tool for sorting out wild vs. hatchery, and similar local problems. Includes beget confusion.

Contract Manager	Other Comments
George Nandor	
Micki Varner	
Bob Haverkate	
Ron Roler	
Chris Brun	
Rod French	
Ed Shallenberger	
Bill Amsberg	
Dan Rawding	
Lance Clarke	
Pat Hulett	
Duane Cole	

Geoffrey Whisler	
Joe Zendt	
Thomas Scribner	
Craig Rabe	
Bill Amsberg	
Dan Baker	
Duane Banks	
Jennifer Graham	
Marianne McClure	
Stuart Ellis	

John Tenney(?)	This funding is for the operation of the PTAGIS database.
Stephen Achord	If Nez Perce are not ad clipping sp/sum Chinook, how do they know these are wild? Do NP 100% CWT or PIT tag?
	BPA is in the process of getting contract data for the LSRCP loaded into Pisces. Until then, PIT cost data is not available.
Joe Bumgarner	
Sandra Downing	
Derrek Faber	
Derrek Faber	
Chris Brun	Detector array installed in FY 12 added \$55,000 to cost
Phil Simpson	
Dan Warren	

Rod French	
Sandra Downing	
Bill Amsberg	
Christine Mallette	
Briana Anderson	
Joshua Hanson	
David Venditti	
Ryan Kinzer	
Carrie Bretz	
Doug Taki	
Lance Clarke	
Craig Contor	
Angelo Vitale	

Timothy Copeland	
Russell Porter	
Barry Hansen	
Christine Moffit	
Kenneth Tiffan	
William Connor	
Ted Sedell	
William Muir	
William Gale	
Barry Berejikian	
Tom Nelson	

Joel Tohtz	
Deanne Pavlik-Kunkel	
Mel Sampson	
Joe Zendt	
Jim Anderson	
Michael Arredondo	
Bob Haverkate	
Brandon Rogers	
Thomas Scribner	
Craig Rabe	
Charles Lee	

James Harbeck	
Paul Kucera	
Peter Cleary	
Bill Arnsberg	
Jim Ruzycski	
Dan Rawding	
Pat Connolly	
Brian Mahoney	
Glen Mendel	
Sandra Downing	

Jennifer Graham	
Kenneth Tiffan	
Ethan Crawford	
R.D. Nelle	
Chris Jordan	
Brian Beckley	
Chris Beasley	
Nick Bouwes	
Andrew Murdoch	
William Muir	
Patricia Crandell	
Joel Tohz	

Bill Sharp	
Jennifer Graham	
Douglas Hatch	
Dan Baker	
Jennifer Graham	
Jennifer Graham	
Jens Lovetang	
John Jorgensen	
Jeff Fryer	
Jeff Fryer	

Andre Kohler	
Lytle Denny	
Cory Kamphaus	
Gabriel Temple	
Chris Fredriksen	
James Harbeck	
Todd Miller	
Colette Adolph	
Joe Bumgarner	
Jason Vogel	
Mike Peterson	

Jennifer Graham	
Matthew Campbell	
Shawn Narum	
Shawn Narum	
Matthew Campbell	
not specified	
Deanne Pavlik-Kunkel	
Erin Rechisky	
Douglas Hatch	

Kinsey Frick	
Craig Contor	
Ted Sedell	
Aaron Jackson	
Mary Moser	
Joe Zendt	
Kenneth Tiffan	
Jason Olson	
Holly McLellan	

Eric Hokersmith	
John Skalski	
Michael Arredondo	
Andrew Dux	
Deanne Pavlik-Kunkel	
Jennifer Graham	
Ed Shallenberger	
Conan Chiu	
Russell Porter	

Tim Peone	
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Not sure what a
range.

we are trying to
ion seems to