					MULTI S	PECIES C	ONSEF	RVATIO	ON STR	ATEGY	MILES	TONE 54	ROLLED	UP S	SUMMARY		
MILE: the Si floodf allow migra Devel chanr strear lower of the consis Yolo I salmo chanr flood	STON utter a ows s juven tory a op an el-flo n cha Cach uppe stent v Basin nids. els, s	NE 5 and stop iile a area nd b oodp inne ne al er Yo with shoc Pro setb ctior	4 Construct a networ Yolo Bypasses that effe e entering the bypasses. anadromous and resider s. egin implementation of lain connectivity and flo cl configurations and exp nd Putah Creek floodpla olo Bypass to provide cc flood control requirement ould not result in direct c oject design features wo ack levees, and wetlan n.	k of channels to ectively drains flo . The channels nt fish to move f a program in the odplain process band floodplain of ains, as well as i prinections with ents. Diversions or indirect advers build include slou ds, where feasit	taling 20 miles within ooded lands after should be designed to from rearing and e Yolo Basin to restore ses. Design natural overflow areas in the in channels and sloughs the Delta in a manner s (water source) into the se impacts to ughs and creek ole and consistent with	PROJECTS REVIEWED - ERP-96-M13, ERP-98-E13		SUMM/ channe weed re second Flood F fish stra	ARY On I capacity, eduction in project is Plain to imp anding.	e contrac reduced connecti dealing v prove fish	et was gra sedimen ing Union vith the re passage	nted to prov t, increased School Slou storation of and second	ide improved habitat, and ugh. A Putah Creek larily reduce			AGENCY NOTES	NOTES CONT'D
			MULTI SPECIES	CONSERVA	ATION STRATEGY	MILESTON	NE 54	- EVAL		N OF IN	IDIVIDU	IAL PROJ	ECTS REV	IEWE	D TO FORMULATE	THE ROLLED UP SUM	MARY
MULTI SPECIES CONSERVATION STRATEGY MILESTONE 54 EVALUATION OF INDIVIDUAL PROJECTS REVIEWED TO FO a <t< th=""><th>Project Name</th><th>Comme</th><th>nts</th></t<>								Project Name	Comme	nts							
24	SAC	EP	In the Yolo Hasin to restore channel-floodplain connectivity and floodplain processes. Design natural stream channel configurations and expand floodplain overflow areas in the lower Cache and Putah Creek floodplains, as well as in channels and sloughs of the upper Yolo Bypass to provide connections with the Delta in a manner consistent with flood control														

54	54	MS Number
SAC	SAC	REGION
.	E	Project Type
	requirements. Diversions (water source) into the Yolo Basin should not result in direct or indirect adverse impacts to salmonids. Project design features would include sloughs and creek channels, setback levees, and wetlands, where feasible and consistent with flood protection.	Milestone
		ERP Targets taken from ERPP Vol 2
54B. Status of the development and implementation of a program in the Yolo Basin to restore channel-floodplain connectivity and floodplain processes. Design natural stream channel configurations and expand floodplain overflow areas in the lower Cache and Putah Creek floodplains, as well as in channels and sloughs of the upper Yolo Bypass to provide connections with the Delta in a manner consistent with flood control requirements. Diversions (water source) into the Yolo Basin should not result in direct or indirect adverse impacts to salmonids. Project design features would include sloughs and creek channels, setback levees, and wetlands, where feasible and consistent with flood protection.	54B. Status of the development and implementation of a program in the Yolo Basin to restore channel-floodplain connectivity and floodplain processes. Design natural stream channel configurations and expand floodplain overflow areas in the lower Cache and Putah Creek floodplains, as well as in channels and sloughs of the upper Yolo Bypass to provide connections with the Delta in a manner consistent with flood control requirements. Diversions (water source) into the Yolo Basin should not result in direct or indirect adverse impacts to salmonids. Project design features would include sloughs and creek channels, where feasible and consistent with flood protection.	MS Components or Questions for field personnel
ERP-98-E13	ERP-96-M13	ERP PROJECT NUMBERS
May-99		CONT START DATE
Jun-02		END DATE
636.000		CALFED Award
0		Cost Share
636.000		Total Project Cost
National Audubon Society, California Chapter	DWR	Applicant
Judy Boshoven	Ted Sommer	Principal Investigator
		Quantifiable Units
Union School Slough Watershed Improvement Program	Yolo Bypass Habitat Restoration Study	Project Name
This project will restore banksides of Union School Slough to increase flood capacity, suppress weeds, and provide habitat. Task 8: Lower Slough and Floodplain Planning and Restoration; restoration of .5 miles of lower slough). Vance Russell, Audubon California. Implementation. Project completed. Riparian: 1.05 miles; 56 acres; Grassland treated with prescribed fire: 567 acres; Native perennial grassland restoration: 277 acres; Wetlands/ponds: 15.7 acres; 7 ponds, 1 wetland project.	The objectives for this study are to examine the relationship between the Yolo Bypass and the rest of the Estuary and to develop recommendations for restoration actions that would improve Bypass habitat for fisheries and other aquatic organisms. The ecological dynamics pertinent to fisheries of three hydrologic phases in the Yolo Bypass will be examined: hundation, drainage and seasonal pond. Ted Sommer, DWR; The project is a pilot project dealing with the restoration of Putah Creek Flood Plain. Designs are complete. It will improve fish passage and secondarily reduce fish stranding. The project is actually located in the North Delta on Yolo WA property. DWR is waiting for the Yolo WA management plan to be completed, before they go ahead with implementing the project.	Comments

					MULT	I SPECIES	CONS	ERVA	TION ST	RATEG	Y MILE	STONE 55	ROLLE	D UP	SUMMARY				
MILE prog the p salm accu use evalu reco	estro rams orogra on ar rate a of min uate t mme	DNE with ams nd s and nimu the u nd c	55 Develop and imple hin major tributaries in the should be achievement steelhead. The programs reliable water temperatu um carryover storage leve use of new facilities such operational and/or physic	ment temperatu e Sacramento R of the ERP temp s shall include pr ire prediction mo els and other op a s temperature al facilities as a	re management River Basin. The goal of berature targets for rovisions to: a) develop odels; b) evaluate the perational tools; c) control devices; and d) long-term solution.	PROJECTS REVIEWED ERP-98-B16, ERP-99-N21, ERP-02-P13, CVPIA-02-V03, WSP-02-FP- 308, AFRP-03- 06		SUMMA level stu study in predictic devises, for long salmon is occur Durham Ranch F part of ti	ARY Pro idy on Bat Lake Nate on models , and help term solut and steelf ring on Bu Mutual W Project (40 he long te	gress is no tle Creek oma contr , help eva to formula tions to ac nead. Terr tte Creek /ater Com 0 cfs) prov rm solutio	epresenter and a pilo ibute to kr luate the u ate operat chieve ERI operature r where wa pany (5 cf ide for hig n.	d by a reconn t temperature iowledge of t use of new fa onal and phy remperatur nonitoring ar ter purchase s) and from t her and coold	naissance e curtain emperature icilities and vsical facilities e targets for nd modeling s from he M & T er flows as			AGENCY NOTES	NOTES CONT'D		
			MULTI SPECI	ES CONSER	VATION STRATEG	BY MILEST	ONE 55	5 EV/	ALUATIO	ON OF I	NDIVID	UAL PRO	JECTS RE\	/IEWI	ED TO FORMULATE TH	E ROLLED UP SUMMA	ARY		
dS Number	REGION	Project Type	Milestone	ERP Targets taken	MS Components or Questions for field	ERP PROJECT	CONT START	END	CALFED	Cost	Total Project Cost	Applicant	Principal	Quantifiable Jnits	Project Name	Comme	nfs		
~			Develop and implement temperature management programs within major tributaries in the Sacramento River Basin. The goal of the programs should be achievement of the ERP temperature targets for salmon and steelhead. The programs shall include provisions to: a) develop accurate and reliable water temperature prediction models; b) evaluate the use of minimum carryover storage levels and other operational tools; c) evaluate the use of new facilities such as temperature control devices; and d) recommend operational and/or physical facilities as a long-term solution.		55A.Status of accurate and reliable water temperature prediction models for the major tributaries in the Sacramento River		DATE	DATE	Awalu			Аррисан	Investigator		Battle Creek Screens and Fish Passage (Reconnaissance Investigations)	Comments Temperature devices were evaluated. Harry Rectenwald, DFG. Planning / Design; project completed. Other non-CALFED funded projects contributing to milestones.			
22	SAC	8			55A.Status of accurate and	ERP-98-B16	Sep-98	Jul-04	395,000	0	395,000	U.S. Bureau of Reclamation	Carl Werder		INFORM - Integrated Forecast and	The purpose of this project is to demo	onstrate, as well as quantify, the		
10	AC	_ ۵			reliable water temperature prediction models for the major tributaries in the Sacramento River							Hydrologic Research	Konstantine		Reservoir Management Demonstration for Northern California Water Resources	improved efficiency of water manager production, water supply and flood cc an integrated management syster incorporates global climate model temperature management problems <i>Hydrological Research Center. PI</i> 20% comp	nent in California for hydropower ontrol through implementation of n for reservoir operation that forecasts. May contribute to s. Konstatine Georgakakos, anning/Research. Project is olete.		

ber		ype					CONT	RACT						able		
S Numt	GION	oject T		ERP Targets taken	MS Components or Questions for field	ERP PROJECT	START	END	CALFED	Cost	Total Project		Principal	uantifi <i>a</i> nits		
ЯŇ	RE	Ā	Milestone	from ERPP Vol 2	personnel	NUMBERS	DATE	DATE	Award	Share	Cost	Applicant	Investigator	ğ'n	Project Name	Comments
					55A.Status of accurate and reliable water temperature prediction models for the major tributaries in the Sacramento River							Sacramento City-County Office of			Development of a River Corridor Management Plan for the Lower American River	The project tasks are: 1) Creates a consensus building process to resolve critical scientific issues, coordinator activities and plans among various agencies and stakeholder forums, and guide broad participation in the development of the River Corridor Management Plan (RCMP); 2) Identify fisheries and aquatic habitat restoration needs and priorities; 3) involve developing an integrated riparian vegetation and preventive erosion control program, a master plan for
	ų											Metropolitan Water Planning				riparian and terrestrial habitats, and an infrastructure redesign and relocation program for the LAR. John Nelson, DFG. Planning. Project completed.
55	SA	Ш				ERP-99-N21	Apr-01	Apr-02	250,000	550,000	800,000	(Water Forum)	Susan Davidson			
55	SAC	Ð			55A.Status of accurate and reliable water temperature prediction models for the major tributaries in the Sacramento River	CVPIA-02-V03			466.082	0	466.082	The Water Forum	Leo Winternitz		Lake Natoma Temperature Curtains Pilot Project	Focuses on American River thermal issues pilot project to evaluate temperature models as a predictive tool. Ceaser Blanco, USFWS.
	ų				55A.Status of accurate and reliable water temperature prediction models for the major tributaries in the Sacramento River								Cesar Blanco		Lower American River Temperature Reduction Modeling Project	Objective: To develop predictive tools that will: 1) Reduce to the extent possible the uncertainties in the performance of identified temperature control actions that could be implemented to improve the management of cold water resources in the Folsom/Natoma Reservoir system and the lower American River, and 2) Be available for daily operations, planning, and salmon and steelhead habitat studies by other project operators and other stakeholders. Ongoing
55	SA	E				AFRP-03-06						AFRP	USFWS			
55	SAC	EP			55B. Status of evaluation of operational tools for temperature management in the Sacramento River;	ERP-02-P13	Oct-02	Sep-05	600.000	400.000	1.000.000	Hydrologic Research Center	Konstantine Georgakakos		INFORM - Integrated Forecast and Reservoir Management Demonstration for Northern California Water Resources	The purpose of this project is to demonstrate, as well as quantify, the improved efficiency of water management in California for hydropower production, water supply and flood control through implementation of an integrated management system for reservoir operation that incorporates global climate model forecasts. May contribute to temperature management problems. <i>Konstatine Georgakakos,</i> <i>Hydrological Research Center. Planning/Research. Project is</i> 20% complete.
25	SAC	e.			55B. Status of evaluation of operational tools for temperature management in the Sacramento River;	AFRP-03-06						AFRP	Cesar Blanco LISEWS		Lower American River Temperature Reduction Modeling Project	Objective: To develop predictive tools that will: 1) Reduce to the extent possible the uncertainties in the performance of identified temperature control actions that could be implemented to improve the management of cold water resources in the Folsom/Natoma Reservoir system and the lower American River, and 2) Be available for daily operations, planning, and salmon and steelhead habitat studies by other project operators and other stakeholders. Ongoing
47					55C. Status of the evaluation	74114 00 00						7414	001110			
55	SAC	Б			of the use of temperature control devices on the Sacramento River.											
55	SAC	Ð			55 D. Status of a temperature management program which achieves the ERP temperature targets for salmon and steelhead for the Sacramento River	ERP-98-B16	Sep-98	Jul-04	395,000	0	395,000	U.S. Bureau of Reclamation	Carl Werder		Battle Creek Screens and Fish Passage (Reconnaissance Investigations)	Temperature devices were evaluated. <i>Harry Rectenwald, DFG.</i> <i>Planning / Design; project completed.</i>
55	SAC	Eb			56 D. Status of a temperature management program which achieves the ERP temperature targets for salmon and steelhead for the Sacramento River	WSP-02-FP-308			67,160	18,900	86,060	Western Shasta RCD	Mary Schroeder		Water Quality Improvement in the Cow Creek Watershed	Develop and implement temperature management programs within major tributaries in the Sacramento River Basin. This project monitors temperatures in Cow Creek a tributary to Sac River. It will develop a strategy for dealing with high temps in order to improve water temps for anadromous fish.

MULTI SPECIES CONSERVATION STRATEGY MILESTONE 56 -- ROLLED UP SUMMARY

MI the Th ter of av pri If 1 the	LES [*] rmal e goa npera bid o poritiz easit ermal	rone impaal of t ature. tion r r elim e pro ole, p impa	56 Develop and imp cts of irrigation return fl ne program should be a The program should in eturn flows with thermal inate thermal impacts fr olem sites based on imp occed with implementa cts of irrigation return fl	lement a program ows in the Sacra achieve Basin Pla nelude provisions l impacts; b) dev rom irrigation retro pacts to Chinook tion of some or a ows.	m to address the amento River Basin. an objectives for water s to: a) identify locations velop measures to urn flows; and c) : salmon and steelhead. all actions to address	PROJECTS REVIEWED - ERP-99-N14		SUMM/ thermal to return funding project pollution reactive riparian project will imp practice Sacram tempera accomp	ARY On l objective n flows fro and supp that assist n, flood co ating impo o corridors. has comp lement rip es. Develo nento Rive ature issue olished.	e contrac s within th om irrigate ort for the ts landow ntrol issu rtant ecol , including leted wor arian enh opment ai r Basin w es of irriga	t was iss ne Sacrar ed lands. e Colusa ners add ies, exotio ogical pro g shaded k at 6 of nancemer nd impler ride progr ation retu	ued that can mento River This contra Basin Drain ressing non- c invasive we occesses and aquatic hab 12 selected s at and other mentation of ram that add rn water rem	address Basin related ct provided Watershed point source eeds, and functions of itat. The sites, which restoration a resses nains to be			AGENCY NOTES	NOTES CONT'D
			MULTI SPECIE		ATION STRATEG	SY MILEST	ONE 5	6 EV	ALUATI	ON OF	INDIVI	DUAL PR	OJECTS R	EVIEV	VED TO FORMULATE 1		/ARY
MS Number	Note Note Note Milestone Rep Targets taken Milestons for Note Note Note Note Note Note Note Develop and implement a So A. Status of the					ERP PROJECT	CONT START DATE	END	CALFED	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name and Description	Comme	nts
56	SAC	ΕÞ	Box ERP Targets taken from ERPP Vol 2 Questions for field personnel EXP PROJECT STAT END CALFED Cost Project Project Name and Description Develop and implement a program to address the measures to rigition return flows in the Sacamento River Basin. The goal of the pogram to address the the measures to value 6 Å S Status of the development of a program address the thermal impacts of ingtion return flows in the Sacamento River Basin. The goal of the program should be achieve Basin Plan objectives for water temperature. The program should bloe deprovisions to: a) dentify locations of imgtion return flows with thermal impacts of ingtion return flows in the sock amento River Basin. The goal of the program should be achieve Basin Plan objectives for water temperature. The program should bloe deprovisions to: a) dentify locations of imgtion return flows with thermal impacts of irrigation return flows. EVEN to the sock of the program should be achieve Basin Plan objectives for water temperature. EVEN to the sock of the program should be achieve Basin Plan objectives for water temperature. EVEN to the sock of the temperature. EVEN to the sock of the so							ration efforts along the Colusa asin Drain Watershed project will e landowners in addressing non- sues, exotic invasive weeds, and sesses and functions of riparian is to 12 selected sites, which will nd other restoration practices. <i>Source Conservation District.</i> <i>nplete. Six sites are done.</i> <i>0,000 acres. Land owners,</i> <i>i funded restoration projects.</i>							

	20	33		MC Number
20	200	sar sar		
EP	EP C	er Er	EP	Project Type
				Milestone
				ERP Targets taken from ERPP Vol 2
56 E. Status of prioritizing problem sites based on impacts to Chinook salmon and steelhead. If feasible, proceed with implementation of some or all actions to address thermal impacts of irrigation return flows.	56 D. Status of developing measures to avoid or eliminate thermal impacts from irrigation return flows;	56C. Status of identifying locations of irrigation return flows with thermal impacts	56 B. Status of the implementation of a program to address the thermal impacts of irrigation return flows in the Sacramento River Basin. The goal of the program should be achieve Basin Plan objectives for water temperature.	MS Components or Questions for field personnel
			ERP-99-N14	ERP PROJECT NUMBERS
			Jun-01	CONTR START DATE
			May-04	END DATE
			492,500	CALFED Award
			191,000	Cost Share
			683,500	Total Project Cost
			Colusa Resource Conservation District	Applicant
			Christopher Rose	Principal Investigator
				Quantifiable Units
			Colusa Basin Watershed Project	Project Name and Description
			Contributes to monitoring and restoration efforts along the Colusa Basin (600,000 acres). The Colusa Basin Drain Watershed project will serve as a project that assists private landowners in addressing non- point source pollution, flood control issues, exotic invasive weeds, and reactivating important ecological processes and functions of riparian corridors. The project will consist of 6 to 12 selected sites, which will implement riparian enhancement and other restoration practices. Patti A. Turner, Colusa County Resource Conservation District. Implementation; 75 percent complete. Six sites are done. Monitoring and restoration of 600,000 acres. Land owners, NCRS, and Colusa Basin Drainage funded restoration projects.	Comments

					MULT	I SPECIES	CONS	ERVA	TION ST	RATEGY	MILEST	ONE 57 -	- ROLLED U	JP SU	IMMARY			
MILE imple base Yuba Cree Ante Cotto	STO emen I Rive k, De ope	NE : tatioo eam er, B eer C Cree od C	57 Design and begin n of an ecologically flow regulation plan for utte Creek, Big Chico reek, Mill Creek , k, Battle Creek, reek, and Clear Creek.			PROJECTS REVIEWED - ERP-96-M25, ERP-97-E02, ERP-97-E02, ERP-98-C19, ERP-98-E06, ERP-98-E06, ERP-98-E10, ERP-98-E10, ERP-98-E10, ERP-99-B10, ERP-99-N17, ERP-99-N17, ERP-90-E03, ERP-90-11-FP-067, AFRP-00-20, AFRP-00-10, AFRP-01-10		SUMM/ funded contribu based s garnere	ARY Seven numerous ite to the de tream flow d funding to	eral ERP, <i>A</i> projects on esign and c regulation. o address t	AFRP, and most of the or implemer Mill and A his milesto	Watershed of ese tributarie itation of eco ntelope Cre ne.	contracts have es that should ologically eks have not			AGENCY NOTES	NOTES CONT'D	
			MULTI SPECIE	ES CONSER	VATION STRATEG	GY MILEST	ONE 5	7 EV		ON OF IN	IDIVIDUA	L PROJE	CTS REVIE	WED	TO FORMULATE TH	IE ROLLED UP SUMMA	RY	
MS Number	REGION	Project Type	Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT NUMBERS	CONT START DATE	END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comme	nts	
2	AC	e .	Design and begin implementation of an ecologically based stream flow regulation plan for Yuba River, Butte Creek, Big Chico Creek, Deer Creek, Mill Creek , Antelope Creek, Battle Creek, Cottonwood Creek, and Clear Creek.		57 A. Status of an ecologically based stream flow regulation plan for Yuba River	500 00 C40	New 00	hur 00	7.000		7 222		Carl Masiak		Conduct and Facilitate Meetings on the Upper Yuba River , Engelbright Dam	Comments ings These address streamflow and erosion issues. Ike Lukenbill, , USFWS. Planning ; project completed.		
57 57	sac	E			57 A. Status of an ecologically based stream flow regulation plan for Yuba River	ERP-98-E10	0ct-98	May-03	264,000	0	264,000	California Department of Parks and Recreation	Ray Patton		South Yuba River Coordinated Watershed Management Plan	 A multi-stakeholder South Yuba River Stewardship Council working with public and private land managing agencies will produce the South Yuba river Coordinated Watershed Management Plan. The goals of this project are to conduct comprehensive survey research regarding recreation uses, public and private use conflicts, and establish a South Yuba River Stewardship Council. May contribute to various Yuba River (EMU) milestones and restoration and/or protect of various habitats including riparian along the South Yuba River. <i>Ian Drury, DFG Planning. Project completed.</i> 		
57	SAC	EP			57 A. Status of an ecologically based stream flow regulation plan for Yuba River	ERP-99-N17	Jun-00	Jun-03	142,618	0	142,618	Yuba Watershed Council/Nevad a County Resource Conservation District	Ron Zinke, Cara Wasilewski, also John Van Der Veen		Yuba Watershed Council: Collaborative Approach	Project is to request funding for a w including the materials, equipment, administer and coordinate the efforts of The role of the watershed coordinato assistance, adaptive management outreach, and continuity and program watershed projects. May contribute milestones. John Van Derveen, Implementation. Proj	atershed coordinator position, and office space necessary to of the Yuba Watershed Council. r is to provide coordination and and monitoring, education a oversight of current and future to various Yuba River (EMU) Yuba Watershed Council. iect completed.	

No. Mathematical control on the production for field performance on the performance on theperformance on theperformance on the performance on th		57	57	57	57	MS Number
Open Set Intercome Proper target table rom EEPP Vol. Tool EPP Vol. STAR MS components or subsets Proper target table Principal Set Set Set Set Set Set Set Set Set Set		SAC	SAC	SAC	SAC	REGION
Milestone RP Targets base from EVP Vol MS Components or fulled personnal monolities CONTRACT BATE END DATE Cold Date Cold States Cold Total Poplet Cold Principal Applicant Principal Person Parts Princerearchitecture Parts Principal Pers		EP	Đ	£	Ш	Project Type
BERP Project Name Consistons for in generational from EPP PUOL (memory parameter memory parameter (memory parameter parameter (memory parameter (memory parameter) parameter (memory parameter) (memory parameter (memory parameter) (memory par						Milestone
MS Components of Questions for field parsonnel based stream flow regulation plan for Yuba River State CALFED DATE CALFED Award Total Project Cost Total Project Cost Principal Applicant Principal Investigator South Yuba River South Yuba River Watershed Management Plan 77.4. Status of an ecologically based stream flow regulation plan for Yuba River Cost Jun 01 Jun 04 524,671 54,000 578,671 California State Parks and Recreation South Yuba River Cost Narrows 2 Hydro Power Plant Flow Bypass System Design 77.4. Status of an ecologically based stream flow regulation plan for Yuba River Cost AFRP-01-01 Jun 04 524,671 54,000 578,671 Parks and Recreation Narrows 2 Hydro Power Plant Flow Bypass System Design 67.4. Status of an ecologically based stream flow regulation plan for Yuba River Cost AFRP-01-01 299,006 109,588 409,174 Yuba Country Water Agency Vuba Feather Work Group 67.4. Status of an ecologically based stream flow regulation plan for Yuba River ERP-01-NE2 Dec 01 Aug-04 193,650 193,650 League South Yuba Elague The Butte Creek Watershed Educational Work Sorop Tours Series 67.8. Status of an ecologically plan for Yuba River ERP-08-FFI Sep.08 Dec 01 <td< td=""><td></td><td></td><td></td><td></td><td></td><td>ERP Targets taken from ERPP Vol 2</td></td<>						ERP Targets taken from ERPP Vol 2
CONTRACT CALFED Cost Share Total Project Principal gg g Project Name NUMBERS DATE DATE DATE DATE Cost Share Total Project Applicant Principal gg g Project Name WSP-01-FP-067 Jun-01 Jun-04 524.671 54.000 578.671 California State Paris and Recreation California State Paris and Recreation Narrows 2 Hydro Power Plant Flow Bypass System Design AFRP-01-01 290.005 109.068 409.174 Yuba County Water Agency Narrows 2 Hydro Power Plant Flow Bypass System Design ERP-01-NB2 Dec-01 Aug-04 193.650 0 193.650 California State Paris and Recreation Jun-04 State Plant Flow Bypass System Design ERP-01-NB2 Dec-01 Aug-04 193.650 0 193.650 South Yuba River Citzens League Janet Cahen The Butte Creek Watershed Educational Workshops and Field Tours Stenes ERP-98-F01 Sep-88 Dec-01 302.745 0 302.745 CSU Choc Donald Holgneve Install and maintain real-line flow monitices the Santon Slough Biturcation Studue on Butte Creek </td <td>57 B. Status of an ecologically based stream flow regulation plan for Butte Creek</td> <td>57 B. Status of an ecologically based stream flow regulation plan for Butte Creek</td> <td>57 A. Status of an ecologically based stream flow regulation plan for Yuba River</td> <td>57 A. Status of an ecologically based stream flow regulation plan for Yuba River</td> <td>57 A. Status of an ecologically based stream flow regulation plan for Yuba River</td> <td>MS Components or Questions for field personnel</td>	57 B. Status of an ecologically based stream flow regulation plan for Butte Creek	57 B. Status of an ecologically based stream flow regulation plan for Butte Creek	57 A. Status of an ecologically based stream flow regulation plan for Yuba River	57 A. Status of an ecologically based stream flow regulation plan for Yuba River	57 A. Status of an ecologically based stream flow regulation plan for Yuba River	MS Components or Questions for field personnel
CONTRACT END DATE CALFED Award Cost Share Total Project Cost Applicant Principal Investigator of g g g g g Project Name Jun-01 Jun-04 524.671 56.000 578.671 California State Parks and Recreation California State Parks and Recreation South Yuba River Coordinated Watershed Management Plan Jun-04 524.671 56.000 578.671 California State Parks and Recreation Ioma Dobrovolny Narrows 2 Hydro Power Plant Flow Bypass System Design Jun-04 299.606 109.568 409.174 Yuba County Water Agency Curt Aikens Vuba Feather Work Group Dec-01 Aug-04 193.650 0 193.650 193.650 Langue Janet Cohen The Butte Creek Watershed Educational Workshops and Field Sep-08 Dec-01 302.745 0 302.745 CSU Chico Donald Hotgrieve Sep-08 Dec-01 302.745 0 302.745 CSU Chico Donald Instal and maintain real-time flow monitors at the Samborn Story River Singer Structure on Butte Creek		ERP-98-F01	ERP-01-N62	AFRP-01-01	WSP-01-FP-067	ERP PROJECT
RACT CALFED Cost Share Total Project Applicant Principal Investigator Project Name Jun-04 524,671 54,000 578,671 California State Parks and P		Sep-98	Dec-01		Jun-01	CONT START DATE
CALFED Award Cost Share Total Project Cost Applicant Principal Investigator 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		Dec-01	Δυσ-04		Jun-04	RACT END DATE
Total Project Cost Share Total Project Cost Applicant Principal Investigator 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		302,745	193 650	299.606	524,671	CALFED Award
Total Project Cost Applicant Principal Investigator 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		0	0	109.568	54,000	Cost Share
Applicant Principal Investigator 9 9 0 9 9 0 9 9 0 9 9 0 9 9 0 Project Name California State Parks and Recreation South Yuba River Coordinated Watershed Management Plan South Yuba River Coordinated Watershed Management Plan Narrows 2 Hydro Power Plant Flow Bypass System Design Yuba County Water Agency Curt Aikens Narrows 2 Hydro Power Plant Flow Bypass System Design Yuba County Water Agency Curt Aikens Yuba Feather Work Group South Yuba River Citizens League Janet Cohen The Butte Creek Watershed Educational Workshops and Field Tours Series CSU Chico Donald Install and maintain real-time flow monitors at the Sanborn Slough Bifurcation Structure on Butte Creek		302,745	193.650	409.174	578,671	Total Project Cost
Principal Investigator Project Name South Yuba River Coordinated Watershed Management Plan South Yuba River Coordinated Watershed Management Plan Lorna Dobrovolny Narrows 2 Hydro Power Plant Flow Bypass System Design Curt Aikens Narrows 2 Hydro Power Plant Flow Bypass System Design Curt Aikens Yuba Feather Work Group Janet Cohen The Butte Creek Watershed Educational Workshops and Field Tours Series Donald Holtgrieve Install and maintain real-time flow monitors at the Sanborn Slough Bifurcation Structure on Butte Creek		CSU Chico	South Yuba River Citizens	Yuba County Water Agency	California State Parks and Recreation	Applicant
Project Name South Yuba River Coordinated Watershed Management Plan Narrows 2 Hydro Power Plant Flow Bypass System Design Yuba Feather Work Group Yuba Feather Work Group The Butte Creek Watershed Educational Workshops and Field Tours Series Install and maintain real-time flow monitors at the Sanborn Slough Bifurcation Structure on Butte Creek		Donald Holtgrieve	Janet Cohen	Curt Aikens	Lorna Dobrovolny	Principal Investigator
Project Name South Yuba River Coordinated Watershed Management Plan Narrows 2 Hydro Power Plant Flow Bypass System Design Narrows 2 Hydro Power Plant Flow Bypass System Design Vuba Feather Work Group The Butte Creek Watershed Educational Workshops and Field Tours Series Install and maintain real-time flow monitors at the Sanborn Slough Bifurcation Structure on Butte Creek						Quantifiable Units
	Install and maintain real-time flow monitors at the Sanborn Slough Bifurcation Structure on Butte Creek	The Butte Creek Watershed Educational Workshops and Field Tours Series	Yuba Feather Work Group	Narrows 2 Hydro Power Plant Flow Bypass System Design	South Yuba River Coordinated Watershed Management Plan	Project Name

lber		Type				CONT	RACT						iable		
MS Num	REGION	Project ⁻	Milestone	MS Components or ERP Targets taken from ERPP Vol 2 personnel	ERP PROJECT NUMBERS	START DATE	END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifi Units	Project Name	Comments
				57 B. Status of an ecologically based stream flow regulation plan for Butte Creek										Develop recommendations for enhanced fish passage in the Butte Slough area on lower Butte Creek	Objective: Within the Butte Slough Sub-area, reduce or eliminate delay and injury to Butte Creek adult salmon and steelhead and reduce or eliminate entrainment of juvenile Butte Creek and Sacramento River salmon and steelhead and other listed fish species under controlled- flow conditions while maintaining the viability of associated managed wetlands and agricultural operations. Contract between FWS (AFRP and Ducks Unlimited, Inc. was signed 8/2000. Initial meetings were held with stakeholders to discuss methodology and process. MBK Engineering developed a list of pumping plants for the Butte Slough area with valid licenses and permits. Follow-up meeting were held with the stakeholders to discuss data gaps and biological and legal issues surrounding the project. A final list of pumping plant sites was reviewed and approved by the stakeholders in September 2002 and the sites were verified on the ground and located using GPS during October 2002. In addition, each site was photographed. A final report will be available in the spring of 2003.
57	SAC	Б			AFRP-00-20						AFRP	John Icanberry USFWS			
57	SAC	EP		57 C. Status of an ecologically based stream flow regulation plan for Big Chico Creek	ERP-97-E01	Mar-98	Jun-99	422,830	0	422.830	Big Chico Creek Watershed Alliance	Joe Karkoski		Watershed Plan, Big Chico Creek	This project will evaluate and develop a watershed plan for Big Chico Creek. Tasks include assessment of existing conditions, modeling of flow and sediment transport, identification of issues and conflicts, and the development of a watershed management strategy. Contributes to the process of restoration, protection, and management of riparian and floodplain habitat in the Butte Basin (EMZ). Paul Ward, DFG. Planning; project completed. AFRP and DWR funded the design of the fish ladders.
57 6	SAC 6	EP		57 D. Status of an ecologically based stream flow regulation plan for Deer Creek	ERP-97-E02	Jan-98	Dec-99	199,554	0	199,554	California State University, Chico	Donald Holtgrieve		Deer Creek Watershed Management/Implementation Program	This project will evaluate and develop a watershed plan for Deer Creek. Tasks include assessment of existing conditions, modeling of flow and sediment transport, identification of issues and conflicts, and the development of a watershed management strategy. Contributes to the process of restoration, protection, and management of riparian and floodplain habitat in the Butte Basin (EMZ). Patricia Bratcher, DFG. Implement water management strategy and water quality program. Implementation; project completed.
57	sAC	EP		57 D. Status of an ecologically based stream flow regulation plan for Deer Creek	ERP-02D-P53	Sep-03	Sep-05	1,519,200	0	1,519,200	Deer Creek Watershed Conservancy	Bill Berens		Lower Deer Creek Restoration and Flood Management: Feasibility Study and Conceptual Design	The goal of the proposed project is to improve aquatic and terrestrial habitat while developing feasible solutions to the flooding problem on lower Deer Creek that are sensitive to the needs and values of the local landowners. This includes feasibility studies to construct setback levees to restore and improve opportunities for floodplain inundation. Vieva Swearingen, Deer Creek Watershed Conservancy. Planning and Design; project just started. (7 percent complete).
57	SAC	EP		57 E. Status of an ecologically based stream flow regulation plan for Mill Creek					-						
57	SAC	E		57 F. Status of an ecologically based stream flow regulation plan for Antelope Creek											
1	ac (e.		57 G. Status of an ecologically based stream flow regulation plan for Battle Creek	ERP-96-M25	May-97	Oct 99	50.000	50.000	100.000	Western Shasta Resource Conservation	Richard		Battle Creek Watershed Management Strategy Project	Planning / Education; project completed. Harry Rectenwald, DFG.

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S Numt	EGION	oject T		ERP Targets taken	MS Components or Questions for field	ERP PROJECT	START	END	CALFED		Total Project		Principal	uantifi <i>ɛ</i> nits		
Ξ	R	4	Milestone	from ERPP Vol 2	personnel	NUMBERS	DATE	DATE	Award	Cost Share	Cost	Applicant	Investigator	σī	Project Name	Comments
					57 G. Status of an ecologically based stream flow regulation plan for Battle Creek										Battle Creek Watershed Stewardship, Phase 2	BCWC proposes a project to do all of the following: 1) Complete an assessment of watershed conditions in the upper watershed and in the lands lying immediately upland of Battle Creek's Restoration Project reaches. 2) Implement, in close cooperation with the resource agencies and local schools, a watershed information system to support Restoration Project monitoring, assessment, and adaptive management. 3) Sustain implementation of the Battle Creek Watershed Strategy, through work in the schools and communities, with agencies and landowners, toward the complementary objectives
57	SAC	EP				AFRP-01-10	Jun-05	Sep-02	299,606	75,000	224,606	Battle Creek Watershed Conservancy (BCWC)	Sharon Paquin- Gilmore, Watershed Coordinator			of safeguarding the Battle Creek watershed's lightly- populated, agricultural lifestyle and protecting the public investment in the Battle Creek Salmon and Steelhead Restoration Project. Harry Rectenwald, DFG. Planning / Implementation; 50 percent complete. Project is ongoing.Watershed strategy is complete. Conservation easement planning is complete. Implement an information system for watershed.
					57 G. Status of an ecologically										Battle Creek Salmon and	implementation of an ecologically based streamflow regulation plan.
	AC				based stream flow regulation plan for Battle Creek							DFG and	Harry Rectenwald, Mike		Steelhead Restoration Project	Harry Rectenwald, DFG. Planning and Design; 90 percent complete. Planning and design nearly done.
57	s,	ü				ERP-99-B01	Feb-99	Apr-01	26,958,100	23,550,900	50,509,000	USBR	Ryan			
	AC	0			57 G. Status of an ecologically based stream flow regulation plan for Battle Creek							Battle Creek Watershed	Donald		Battle Creek Watershed Stewardship	This project will evaluate and develop a watershed plan for Battle Creek. Contributes to the process of restoration, protection, and management of riparian and floodplain habitat in the North Sacramento Valley (EMZ). <i>Education / Instruction; project</i> <i>completed. Harry Rectenwald, DFG</i>
57	s,	ü				ERP-98-E06	Jan-98	Dec-99	145,000	0	145,000	Conservancy	Holtgrieve			
57	SAC	đ			57 H. Status of an ecologically based stream flow regulation plan for Cottonwood Creek	ERP-97-N07	Jul-98	Nov-02	61,000	10,000	71,000	Graham Matthews and Associates	Graham Matthews		Cottonwood Creek Channel Restoration Planning	May contribute to milestone since the creek will have channel work. Patricia Bratcher, DFG. Conduct geomorphic analysis, hydrologic analysis and survey sites. Planning/Implementation; project completed.
					57 H. Status of an ecologically based stream flow regulation plan for Cottonwood Creek							Cottonwood			Cottonwood Creek Watershed Group Formation	This project will: 1) Identify and organize the landowners to work with public land management agencies, interested parties and resource managers to form consensus on issues and their importance; 2) Coordinate with resources managers which have studied regional needs and correlate those studies with input from stakeholders; 3) Research previous studies within the Cottonwood Creek watershed. Contributes to the process of restoration, protection, and management of riparian and floodplain habitat in the Cottonwood Creek (EMZ). Patricia Bratcher, DFG. Implement watershed stewardship plan for Cottonwood Creek. Implementation; project completed.
												Creek				
~	AC	۵.					0-1-00	Design	404.000	0	404.000	Watershed	Vieva			
2	S	ш			57 H. Status of an ecologically	EKP-98-E05	Uct-98	Dec-01	161,000	U	161,000	Group	Swearingen		Cottonwood Creek Watershed	Continued management of the Cottonwood Creek Watershed Group
57	SAC	EP			plan for Cottonwood Creek	ERP-00-E03	Oct-00	Dec-05	443,047	0	443,047	Cottonwood Creek Watershed Group	Vieva Swearingen		Monitoring and Assessment	(CCWG) to oversee the implementation of a watershed plan. This phase would assess current conditions in the watershed plan. This miles), both as to the land and stream conditions to give a baseline for future projects. Patricia Bratcher, DFG. Monitoring and Assessment; project completed.
57	SAC	ď			57 I. Status of an ecologically based stream flow regulation plan for Clear Creek.	ERP-98-E15	Oct-98	May-01	23,828	0	23,828	Sacramento Watersheds Action Group	John McCullah		Sulphur Creek Coordinated Watershed Management Plan Group	Sulphur Creek CRMP will distribute the Watershed Analysis, develop community-based restoration objectives, pursue founding to implement projects identified in the Watershed Analysis, and enhance public awareness and education in fishers and watershed issues. May contribute to various habitat restoration, protection, and management milestones for the North Sacramento Valley (EMZ), Clear Creek (EMU). John McCullah, Sacramento Watersheds Action Group. Planning. Project completed.

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MILES sedime gravel channe areas, progra tributa	TON recru el ma and m to ry wit	IE :	58 Complete a fluvial geomorphic ly needs and sources to maintain, ir eent and natural sediment transport enance, erosion and deposition, mai regeneration of riparian vegetation. luce erosion and maintain gravel red each EMZ in the Sacramento River	assessment of coarse nprove, or supplement processes linked to stream ntenance of fish spawning Develop and implement a rruitment on at least one Basin.	PROJECTS REVIEWED - ERP-95-M04, ERP-97-B01, ERP-97-E02, ERP-97-N05, ERP-97-N05, ERP-98-E05, ERP-98-E05, ERP-98-E10, ERP-98-E10, ERP-98-E10, ERP-98-E11, ERP-99-B12, ERP-99-B12, ERP-99-B12, ERP-99-N14, ERP-99-N14, ERP-99-N21, ERP-99-N21, ERP-00-E03, ERP-01-N62, ERP-02-C01-D, ERP-02D-P61,	WSP-02- FP-307, WSP-02- FP-626, AFRP-01- 10, AFRP 03-04, AFRP-02- 10	SUMMA to asse and dep and reg implem prepare except implem be cons	ARY Sevi ss course s position for eneration of ent erosion d for at lea the America ented. Issu idered.	eral ERP a ediment su purposes o of riparian v reduction st one tribu an Basin w le of progra	nd AFRP cc upplies and of maintainir regetation. and gravel n itary within here a plan ammatic imp	ontracts hav needs linke ng fish spaw Plans to dev recruitment l each Sacrar was develo olementatior	e been used d to erosion ning areas velop and have been nento EMZ, ped, but not n remains to			AGENCY NOTES	NOTES CONT'D
			MULTI SPECIES CONS	SERVATION STRATE	GY MILES	TONE (58 E\	/ALUATI	ON OF II	NDIVIDU.	AL PROJ	ECTS REVI	EWE	D TO FORMULATE THE	E ROLLED UP SUMMAI	RY
ber		[ype				CONT	RACT						able			
S Num	EGION	roject 1	ERP Targets to	MS Components or Questions for field	ERP PROJECT	START	END	CALFED		Total Project		Principal	uantifia nits			
58	SAC	EP	Complete a fluvial geomorphic assessment of coarse sediment supply needs and sources to maintain, improve, or supplement gravel recruitment and natural sediment transport processes linked to stream channel maintenance, erosion and deposition, maintenance of fish spawning areas, and the regeneration of riparian vegetation. Develop and implement a program to reduce erosion and maintain gravel recruitment on at least one tributary within each EMZ in the Sacramento River Basin.	5.2 personner 58A. Status of a fluvial geomorphic assessment of coarse sediment supply needs and sources to maintain, improve, or supplement gravel recruitment and natural sediment transport processes linked to stream channel maintenance, erosion and deposition, maintenance of fish spawning areas and the regeneration of riparian vegetation on at least one tributary within each EMZ in the Sacramento River Basin	ERP-95-M04	Sep-95	Oct-95	Award 39,400	13,100	52,500	CDFG	Phil Warner		Keswick Spawning Gravel Restoration	Add 7,000 tons of spawning size gr Creek to Sacramento River just belov will spread gravel downstream); 30 Implementation; project completed grave	Avel stockpiled at Cottonwood v Keswick Dam (high river flows miles. <i>Cal Crawford, DFG</i> . . 7,000 tons of spawning size
82	SAC	н.		58A. Status of a fluvial geomorphic assessment of coarse sediment supply needs and sources to maintain, improve, or supplement gravel recruitment and natural sediment transport processes linked to stream channel maintenance, erosion and deposition, maintenance of fish spawning areas and the regeneration of riparian vegetation on at least one tributary within each EMZ in the Sacramento River Basin	FRP.00.812	3/31/00	4/30/03	2 175 000	0	2 175 000	BIM	Charles Schultz		Riparian Corridor Acquisition and Restoration Assessment	Phase II – Habitat Restoration Assees and riparian interactions occurring Sacramento River between the mouth bridge (RM 280-267), including low Creek, to determining restoration p complex that includes lands owned ar Includes mapping, coarse sedimer meander assessment, floodplain pr protected on Sacramento River and 4 Rectenwald DFG. Implement Acquired a conservation easemen 10 miles of riparian habi	sment will study the geomorphic on an alluvial reach on the n of Cow Creek and Jellys Ferry er Battle Creek and Anderson iossibilities for the integrated id managed by BLM and others. It supply assessment, stream ocesses assessment. 3 miles miles on Battle Creek. Harry ation; project completed. of 1412 acres and protected tat on Battle Creek.

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s Nu	EGIC	ojec		ERP Targets taken	Questions for field	ERP PROJECT	START	END	CALFED		Total Project		Principal	uanti nits		
Σ	R	ā	Milestone	from ERPP Vol 2	personnel 58A Status of a fluvial	NUMBERS	DATE	DATE	Award	Cost Share	Cost	Applicant	Investigator	σΞ	Project Name Knights Ferry Gravel Replenishment	Comments Objective: Continue to investigate how the source and size of
					geomorphic assessment of										Project, Phase 2	restoration gravel affect fall-run Chinook salmon redd densities. Phase
					coarse sediment supply needs											I was ERP-97-N21. Egg survival studies are planned for fall 2004
					improve, or supplement gravel											from both 1999 and 2004.
					recruitment and natural											
					linked to stream channel											
					maintenance, erosion and											
					fish spawning areas and the											
					regeneration of riparian											
					vegetation on at least one tributary within each FMZ in											
~	AC	۵.			the Sacramento River Basin								JD Wikert			
ű	s	ш			58A. Status of a fluvial	AFRP-02-10						AFRP	USEWS		SHIRA-Based River Analysis and Field-	Objective: The specific objectives of the proposed research are to 1)
					geomorphic assessment of										Based Manipulative Sediment	collaborate with on-going biological, hydrological, and geomorphic
					and sources to maintain.										Habitat and Geomorphic Goals on the	for SHIRA can be organized. 2) characterize the fluvial
					improve, or supplement gravel										Lower Yuba River	geomorphology, sediment transport dynamics, and in-stream
					recruitment and natural											hydraulics of key potential spawning reaches above and below the
					linked to stream channel											and 3) experiment on different gravel placement strategies for the
					maintenance, erosion and deposition maintenance of											LYR, taking advantage of the available annual high discharges to evaluate sediment transport processes. Oppoing
					fish spawning areas and the											evaluate scalment autoport processes. Engenig
					regeneration of riparian											
					tributary within each EMZ in											
8	AC	۵.			the Sacramento River Basin								Cesar Blanco			
5	S	ш			58A. Status of a fluvial	AFRP-03-04						AFRP	03FW3		Development of a River Corridor	The project tasks are: 1) Creates a consensus building process to
					geomorphic assessment of										Management Plan for the Lower	resolve critical scientific issues, coordinator activities and plans among
					and sources to maintain,										American River	participation in the development of the River Corridor Management
					improve, or supplement gravel											Plan (RCMP); 2) Identify fisheries and aquatic habitat restoration
					sediment transport processes											vegetation and preventive erosion control program, a master plan for
					linked to stream channel											riparian and terrestrial habitats, and an infrastructure redesign and
					maintenance, erosion and deposition, maintenance of							Sacramento				relocation program for the LAR. John Nelson, DFG. Planning. Project completed.
					fish spawning areas and the							City-County				· · · · · · · · · · · · · · · · · · ·
					regeneration of riparian							Office of Metropolitan				
					tributary within each EMZ in							Water				
80	3AC	e.			the Sacramento River Basin	ERP-00-N21	Apr-01	Apr-02	250 000	550 000	800.000	Planning (Water Forum)	Susan Davidson			
43	0,				58A. Status of a fluvial	LIN -33-1121		7101-02	200,000	000,000	000,000		Cusan Davidson		Implementing a Collaborative	This project will quantify ecosystem flow regime needs for the
					geomorphic assessment of										Approach to Quantifying Ecosystem	Sacramento River between Red Bluff and Colusa. This is a targeted
					and sources to maintain,										Sacramento River	field investigations, quantitative computer modeling, and a decision
					improve, or supplement gravel											analysis tool to formulate linkages between the flow regime and
					sediment transport processes											relationship between flows and sediment transport; determine the
					linked to stream channel											flows required to initiate bed and bar mobility on the Sacramento
					maintenance, erosion and deposition, maintenance of											River; Sub-task 2: Quantity cottonwood root growth rates; Sub-task 3 Quantify fluvial geomorphic processes that create and maintain off-
					fish spawning areas and the											channel habitats; Sub-task 5: Assess and compare the effects of bank
					regeneration of riparian vegetation on at least one											protection on in-channel habitat; Sub-task 6: Refine a meander migration model; Sub-task 7: Quantify frequency and spatial extent of
					tributary within each EMZ in											cottonwood recruitment conditions.
28	SAC	₽			the Sacramento River Basin	ERP-02D-P61			1.640.801	380.000	2.020.801	The Nature Conservancy	Wendy Duron			

89	58	58	89	58	MS Number
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đ	EÞ	EP	EP	EP	Project Type
					Milestone
					ERP Targets taken from ERPP Vol 2
58B. Status of the development of a program to reduce erosion in one tributary of the North Sacramento Valley EMZ (Clear Creek, Cow Creek, Bear Creek, Battle Creek)	58B. Status of the development of a program to reduce erosion in one tributary of the North Sacramento Valley EMZ (Clear Creek, Cow Creek, Bear Creek, Battle Creek)	58B. Status of the development of a program to reduce erosion in one tributary of the North Sacramento Valley EMZ (Clear Creek, Cow Creek, Bear Creek, Battle Creek)	58B. Status of the development of a program to reduce erosion in one tributary of the North Sacramento Valley EMZ (Clear Creek, Cow Creek, Bear Creek, Battle Creek)	58B. Status of the development of a program to reduce erosion in one tributary of the North Sacramento Valley EMZ (Clear Creek, Cow Creek, Bear Creek, Battle Creek)	MS Components or Questions for field personnel
AFRP-01-10	WSP-02-FP-307	ERP-99-N16	ERP-98-E15	ERP-99-B12	ERP PROJECT NUMBERS
2000 2		Apr-00	Oct-98	3/31/00	CONT START DATE
9/30/02 2		Apr-02	May-01	4/30/03	END DATE
299.606.2	335,489	256,260	23,828	2,175,000	CALFED Award
75.000	300,000	0	0	0	Cost Share
224 606	635,489	256,260	23,828	2,175,000	Total Project Cost
Battle Creek Watershed Conservancy (BCWC)	Western Shasta Resource Conservation District	Western Shasta Resource Conservation District	Sacramento Watersheds Action Group	BLM	Applicant
Sharon Paquin- Gilmore, Watershed Coordinator	Mary Schroeder	Thomas T. Engstrom	John McCullah	Charles Schultz	Principal Investigator
					Quantifiable Units
Battle Creek Watershed Stewardship, Phase 2	Lower Clear Creek Spawning Gravel Injections	Clear Creek Prescription	Sulphur Creek Coordinated Watershed Management Plan Group	Riparian Corridor Acquisition and Restoration Assessment	Project Name
BCWC proposes a project to do all of the following: 1) Complete an assessment of watershed conditions in the upper watershed and in the lands lying immediately upland of Battle Creek's Restoration Project reaches. 2) Implement, in close cooperation with the resource agencies and local schools, a watershed information system to support Restoration Project monitoring, assessment, and adaptive management. 3) Sustain implementation of the Battle Creek Watershed Strategy, through work in the schools and communities, with agencies and landowners, toward the complementary objectives of safeguarding the Battle Creek watershed's lightly- populated, agricultural lifestyle and protecting the public investment in the Battle Creek Salmon and Steelhead Restoration Project. Harry Rectenwald, DFG. Planning / Implementation; 50 percent complete. Project is ongoing. Watershed strategy is complete. Conservation easement planning is complete. Implement an information system for watershed.	This is a gravel infusion project for Lower Clear Creek. It is strictly artificial augmentation.	Plan to reduce erosion in stream or tributary. <i>Mary Shroeder,</i> <i>Western Shasta Resource Conservation District. Planning /</i> <i>Implementation; project completed. Implement watershed</i> <i>management prescription.</i>	Sulphur Creek CRMP will distribute the Watershed Analysis, develop community-based restoration objectives, pursue founding to implement projects identified in the Watershed Analysis, and enhance public awareness and education in fishers and watershed issues. May contribute to various habitat restoration, protection, and management milestones for the North Sacramento Valley (EMZ), Clear Creek (EMU). John McCullah, Sacramento Watersheds Action Group. Planning. Project completed.	Phase II – Habitat Restoration Assessment will study the geomorphic and riparian interactions occurring on an alluvial reach on the Sacramento River between the mouth of Cow Creek and Jellys Ferry bridge (RM 280-267), including lower Battle Creek and Anderson Creek, to determining restoration possibilities for the integrated complex that includes lands owned and managed by BLM and others. Includes mapping, coarse sediment supply assessment, stream meander assessment, floodplain processes assessment. 3 miles protected on Sacramento River and 4 miles on Battle Creek. Harry Rectenwald, DFG. Implementation; project completed. Acquired a conservation easement of 1412 acres and protected 10 miles of riparian habitat on Battle Creek.	Comments

							CONT	TRACT								1
IS Number	EGION	roject Type		ERP Targets taken	MS Components or Questions for field	ERP PROJECT	START	END	CALFED		Total Project	t	Principal	uantifiable nits		
W	R	<u> </u>	Milestone	from ERPP Vol 2	personnel 58C. Status of the implementation of a program to reduce erosion in one tributary of the North Sacramento Valley EMZ (Clear Creek, Cow Creek, Bear Creek, Battle Creek)	NUMBERS	DATE	DATE	Award	Cost Share	Cost	Applicant	Investigator	σ⊐	Project Name Battle Creek Watershed Stewardship, Phase 2	Comments BCWC proposes a project to do all of the following: 1) Complete assessment of watershed conditions in the upper watershed and i lands lying immediately upland of Battle Creek's Restoration Pro reaches. 2) Implement, in close cooperation with the resourc agencies and local schools, a watershed information system to su Restoration Project monitoring, assessment, and adaptive management. 3) Sustain implementation of the Battle Creek Watershed Strategy, through work in the schools and communit with agencies and landowners, toward the complementary objec of safequarding the Battle Creek watershed's lightly- populate
58	SAC	£				AFRP-01-10	2000 ?	9/30/02 ?	299,606 ?	75,000	224,606	Battle Creek Watershed Conservancy (BCWC)	Sharon Paquin- Gilmore, Watershed Coordinator			agricultural lifestyle and protecting the public investment in the E Creek Salmon and Steelhead Restoration Project. Harry Recter DFG. Planning / Implementation; 50 percent complete. Proj ongoing. Watershed strategy is complete. Conservatio easement planning is complete. Implement an informatio system for watershed.
88	SAC	<u>е</u> ,			58C. Status of the implementation of a program to reduce erosion in one tributary of the North Sacramento Valley EMZ (Clear Creek, Cow Creek, Dear Creek, Dath Creat)	FRP-09-N16	Apr-00	Apr-02	256 260	0	256 260	Western Shasta Resource Conservation	Thomas T.		Clear Creek Prescription	Plan to reduce erosion in stream or tributary. Mary Shroed Western Shasta Resource Conservation District. Plannin Implementation; project completed. Implement watersho management prescription.
8	AC	<u>.</u>			Bac I Creek Battle Creek) S8C. Status of the implementation of a program to reduce erosion in one tributary of the North Sacramento Valley EMZ (Clear Creek, Cow Creek, Bear Creek, Battle Creek)			Doc 00	145.000	0	145.000	Battle Creek Watershed	Donald		Battle Creek Watershed Stewardship	This project will evaluate and develop a watershed plan for B. Creek. Contributes to the process of restoration, protection, a management of riparian and floodplain habitat in the North Sacramento Valley (EMZ). Education / Instruction; projection completed. Harry Rectenwald, DFG
28	sac s	<u> </u>			58C. Status of the implementation of a program to reduce erosion in one tributary of the North Sacramento Valley EMZ (Clear Creek, Cow Creek, Bear Creek, Battle Creek)	ERP-98-E06	Jan-98	Apr-01	26 958 100	23 550 900	50 509 000	DFG and	Holtgrieve Harry Rectenwald, Mike Ryan		Battle Creek Salmon and Steelhead Restoration Project	Proposal plans to improve habitat along streambed which may planting trees to control erosion. <i>Planning and Design; 90 p</i> <i>complete. Planning and design nearly done.</i>
8	AC	<u> </u>			58D. Status of the development of a program to reduce erosion in one tributary of the Cottonwood Creek EMZ (Upper Cottonwood Creek, Lower Cottonwood Creek)		0.000		101.000	2,330,500	101.000	Cottonwood Creek Watershed	Vieva		Cottonwood Creek Watershed Group Formation	This project will: 1) Identify and organize the landowners to wo public land management agencies, interested parties and res- managers to form consensus on issues and their importance. Coordinate with resources managers which have studied reg needs and correlate those studies with input from stakeholde Research previous studies within the Cottonwood Creek wate Contributes to the process of restoration, protection, and mana of riparian and floodplain habitat in the Cottonwood Creek (E Patricia Bratcher, DFG. Implement watershed stewardshij for Cottonwood Creek. Implementation; project comple
58 55	SAC S.	<u>ш</u>			58D. Status of the development of a program to reduce erosion in one tributary of the Cottonwood Creek EMZ (Upper Cottonwood Creek, Lower Cottonwood Creek)	ERP-00-F03	Oct-98	Dec-01	443 047	0	443 047	Cottonwood Creek Watershed	Vieva		Cottonwood Creek Watershed Monitoring and Assessment	Continued management of the Cottonwood Creek Watershed (CCWG) to oversee the implementation of a watershed plan. phase would assess current conditions in the watershed (93) miles), both as to the land and stream conditions to give a base future projects. <i>Patricia Bratcher, DFG. Monitoring and</i> <i>Assessment; project completed.</i>
28	sAC (58E. Status of the implementation of a program to reduce erosion in one tributary of the Cottonwood Creek EMZ (Upper Cottonwood Creek, Lower Cottonwood Creek)	ERP-97-N07	Jul-98	Nov-02	61.000	10.000	71.000	Graham Matthews and Associates	Graham Matthews		Cottonwood Creek Channel Restoration Planning	May contribute to milestone since the creek will have channel v Patricia Bratcher, DFG. Conduct geomorphic analysis hydrologic analysis and survey sites. Planning/ Implement project completed.

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Butte Sink) 58H. Status of the development of a program to reduce erosion in one tributary of the Butte Basin EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek, Big Chico Creek, Butte Creek, Butte Sink)
ERP-97-B01
Mar-98
Mar-01
371,000
69,000
440,000
Lassen National Forest Big Chico Creek Watershed
L. Stephen Young
Watershed Plan, Big Chico Creek
This project will evaluate and develop a watershed plan for Big Chico Creek. Tasks include assessment of existing conditions, modeling of flow and sediment transport, identification of issues and conflicts, and the development of a watershed management strategy. Contributes to the process of restoration, protection, and management of riparian and floodplain habitat in the Butte Basin (EMZ). Paul Ward, DFG. Planning; project completed. AFRP and DWR funded the design of the fish ladders.

her	_	Type					CONT	RACT						iable		
MS Num	REGION	Project 7	ERP Milestone from	' Targets taken m ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT NUMBERS	START DATE	END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifi Units	Project Name	Comments
					581. Status of the implementation of a program to reduce erosion in one tributary of the Butte Basin EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek, Big Chico Creek, Butte Creek,										Watershed improvement: stabilization of potential sediment sources within the Deer, Mill, and Antelope Creek Watersheds on Lassen National Forest Lands	This project will stabilize known sediment providing long term benefits to spring-n steelhead habitat. Project will implement e known sites. Regina Cherovsky,Recl Planning / Design. Project
58	SAC	B			Butte Sink)	ERP-97-B01	Mar-98	Mar-01	371,000	69,000	440,000	Lassen National Forest	t Young			
	AC	•			58J. Status of the development of a program to reduce erosion in one tributary of the Feather River/Sutter Basin EMZ (Feather River, Yuba River, Bear River, Honcut Creek, Sutter Bypass)							California Department of Parks and			South Yuba River Coordinated Watershed Management Plan	A multi-stakeholder South Yuba River Ste with public and private land managing ager Yuba river Coordinated Watershed Manag this project are to conduct comprehensive recreation uses, public and private use con Yuba River Stewardship Council. May cont (EMU) milestones and restoration and/or including riparian along the South Yuba <i>Planning. Project com</i>
26	ŝ	Ξ			58.1 Status of the	ERP-98-E10	Oct-98	May-03	264,000	0	264,000	Recreation	Ray Patton		Yuba Watershed Council:	Project is to request funding for a water
58	SAC	EP			development of a program to reduce erosion in one tributary of the Feather River/Sutter Basin EMZ (Feather River, Yuba River, Bear River, Honcut Creek, Sutter Bypass)	ERP-99-N17	Jun-00	Jun-03	142,618	0	142,618	Yuba Watershed Council/Nevad a County Resource Conservation District	Ron Zinke, Cara Wasilewski, also John Van Der Veen		Collaborative Approach	including the materials, equipment, and of administer and coordinate the efforts of the The role of the watershed coordinator is to assistance, adaptive management and outreach, and continuity and program over watershed projects. May contribute to va milestones. John Van Derveen, Yuba Implementation. Project of
		_			58J. Status of the										Yuba Feather Work Group	Reduce erosion in Yuba River. Ian Dru
28	SAC	đ			development of a program to reduce erosion in one tributary of the Feather River/Sutter Basin EMZ (Feather River, Yuba River, Bear River, Honcut Creek, Sutter Bypass)	FRP-01-N62	Dec-01	Aug-04	193.650	0	193 650	South Yuba River Citizens	Janet Cohen			Percent Complete. Yuba County Water J River Salmon Carcass Survey. YWCA an Cordura Fish Screens. YWCA, PGE, and Browns Valley Fish Screens. DFG fund Counts/Passage @Dage
47	0,				58J. Status of the		D00-01	Aug-04	133,030	0	199,000	League	Sanct Conch		SHIRA-Based River Analysis and Field	Objective: The specific objectives of the p
58	SAC	Ð			development of a program to reduce erosion in one tributary of the Feather River/Sutter Basin EMZ (Feather River, Yuba River, Bear River, Honcut Creek, Sutter Bypass)	AFRP-03-04						AFRP	Cesar Blanco USFWS		Based Manipulative Sediment Transport Experiments to Balance Habitat and Geomorphic Goals on the Lower Yuba River	collaborate with on-going biological, hydro studies so that an integrated database of m for SHIRA can be organized, 2) cha geomorphology, sediment transport dy hydraulics of key potential spawning reac LYR Narrows at the ecologically relevant and 3) experiment on different gravel pla LYR, taking advantage of the available a evaluate sediment transport proc
					58K. Status of the										Yuba Watershed Council:	Project is to request funding for a waters
58	SAC	E			Implementation of a program to reduce erosion in one tributary of the Feather River/Sutter Basin EMZ (Feather River, Yuba River, Bear River, Honcut Creek, Sutter Bypass)	ERP-99-N17	Jun-00	Jun-03	142,618	0	142,618	Yuba Watershed Council/Nevad a County Resource Conservation District	Ron Zinke, Cara Wasilewski, also John Van Der Veen		Collaborative Approach	administer and coordinate the efforts of the administer and coordinate the efforts of the The role of the watershed coordinator is to assistance, adaptive management and outreach, and continuity and program over watershed projects. May contribute to va milestones. John Van Derveen, Yuba Implementation. Project of
28	SAC	đ			58K. Status of the implementation of a program tributary of the Feather River/Sutter Basin EMZ (Feather River, Yuba River, Bear River, Honcut Creek, Sutter Bypass)	WSP-02-FP-626			1 011 575	1 129 574	2 141 149	Nevada County	Ronald Mathis		South Yuba Watershed Project	Project will assist in implementing proj improve water quality, improve aquati South Yuba Rive

r		ed					CONT	RACT						e		
MS Numbe	REGION	Project Ty	Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT	START DATE	END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiab Units	Project Name	Comments
	ų				58K. Status of the implementation of a program to reduce erosion in one tributary of the Feather River/Sutter Basin EMZ (Feather River, Yuba River, Bear River, Honcut Creek, Sutter Bypass)										Upper Yuba River: Water Quality and Sediment Studies	Complete a fluvial geomorphic assessment of coarse sediment supply needs and sources to maintain, improve, or supplement gravel recruitment and natural sediment transport processes linked to stream channel maintenance, erosion and deposition, maintenance of fish spawning areas and regeneration of riparian vegetation. <i>Ian Drury,</i> <i>DFG. Implementation; 50 percent complete. Gravel augmentation</i> <i>only. Implement gravel augmentation.</i>
58	SA	EP			58L. Status of the development of a program to reduce erosion in one tributary of the American River Basin EMZ (American Basin, Lower American River)	ERP-02-C01-D	Jul-01	Jun-05	4,432,966	0	4,432,966	USGS	Charlie Alpers		Auburn Ravine/Coon Creek Restoration Planning	Develop a plan with major emphasis on protection and restoration of riparian and aquatic habitats. <i>John Nelson, Department of Fish and Game. Planning; project completed.</i>
28	SAC	đ				ERP-97-N05	Mar-99	Jun-00	222.530	0	222.530	Placer County Planning Department	Loren Clark			
58	SAC	ED			58L. Status of the development of a program to reduce erosion in one tributary of the American River Basin EMZ (American Basin, Lower American River)	ERP-99-N21	Apr-01	Apr-02	250,000	550,000	800,000	Sacramento City-County Office of Metropolitan Water Planning (Water Forum)	Susan Davidson		Development of a River Corridor Management Plan for the Lower American River	The project tasks are: 1) Creates a consensus building process to resolve critical scientific issues, coordinator activities and plans among various agencies and stakeholder forums, and guide broad participation in the development of the River Corridor Management Plan (RCMP); 2) Identify fisheries and aquatic habitat restoration needs and priorities; 3) involve developing an integrated riparian vegetation and preventive erosion control program, a master plan for riparian and terrestrial habitats, and an infrastructure redesign and relocation program for the LAR. John Nelson, DFG. Planning. Project completed.
58	SAC	EP			58M. Status of the implementation of a program to reduce erosion in one tributary of the American River Basin EMZ (American Basin, Lower American River)											

				MULTI	SPECIES (CONSE	RVAT	ION STF	RATEGY	MILEST	ONE 59	ROLLED U	UP SL	IMMARY		
MILE mana feasi setba impre- inund seas tribut the S the a 10 m Cree lowe	STOI ageme bility s lack leve ove op date th onal b ary w bacrar reas t illes o k, and r reac	NE 59 Develop floodplain ent plans, including studies to construct vees, to restore and oportunities for rivers to neir floodplain on a basis for at least one ithin each of the EMZs in nento River Basin. Among to be included are the lower f Clear Creek, Antelope d Deer Creek, and the h of Cottonwood Creek.			PROJECTS REVIEWED - ERP- 95-M01, ERP-96- M16, ERP-97-C03, ERP-97-E01, ERP- 97-E02, ERP-97- N03, ERP-97- N04, ERP-97-N05, ERP-98-P01, ERP- 98-E05, ERP-98- E06, ERP-98-E16, ERP-98-F01, ERP- 99-B12, ERP-99- N14, ERP-00-E03, ERP-00-F03, ERP- 01-N28, ERP-01- N62, ERP-02-P63, ERP-02-P16-D, ERP-02-P72, AFRP-01-10, AFRP- 00-01, AFRP-00- 15,	AFRP-00- 16, AFRP- 03-07	SUMMA program setback seasona EMZ of has bee projects Deer, B complet and oth such as	ARY Sev n funds ha levees an al inundatii the Sacrai en done on a have bee utte and lo te projects er staff, wh mapping,	veral ERP a ve funded d floodplai on of flood mento Rive the upper n targeted ower Cotton , including nile others planning,	and AFRP numerous f n manager plains on vier Basin. V -Sacramen for Sulfur, nwood Cree the hiring o fund only o or permittin	contracts and reasibility stunent plans to arious tributa /hile much or to River itsel Big Chico, M eks. Some c of watershed ertain projec g.	d other dies for allow for ries in each f the work f, specific ud, Battle, ontracts fund coordinators t phases,			AGENCY NOTES	NOTES CONT'D
		MULTI SPECIES	S CONSERV	ATION STRATEGY	MILESTC	NE 59	EVA	LUATIO	N OF IN	DIVIDUA	L PROJE	CTS REVIE	EWED	TO FORMULATE T	HE ROLLED UP SUMN	IARY
MS Number	REGION	Project Type Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT	CONT START DATE	END	CALFED	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Commer	nts
		Develop floodplain management plans, including feasibility studies to construct setback levees, to restore and improve opportunities for rivers to inundate their floodplain on a seasonal basis for at least one tributary within each of the EMZs in the Sacramento River Basin. Among the areas to be included are the lower 10 miles of Clear Creek, Antelope Creek, and Deer Creek, and the lower reach of Cottonwood		59A. Status of floodplain management plans, including feasibility studies to construct setback levees in the Sacramento River EMZ (Keswick to Red Bluff, Red Bluff to Chico Landing, Chico Landing to Colusa, Colusa to Verona, Verona to Sacramento)							California State	Charlee W		Sacramento River & Major Tributaries Riparian Corridor Mapping Project	Mapping of riparian vegetation alo Sacramento Valley portions of Glenn, Sacramento Counties. Contributes i Sacramento River Basin (EMZ), prot between Red Bluff and Colusa re Sacramento River Conservation, resto habitat in the Sacramento River Bas vegetation, open water, gravel ba invasive (Arundo, Tamarix, Rubu Sacramento River and major tribu complete	ng rivers and streams in the Sutter, Colusa, Yuba, Yolo, and to the process of restoring the ecting Inner River Zone areas saches within identified the ration and protection of riparian sin (EMZ). Mapped riparian rs, disturbed riparian, and s discolor) throughout the traries. Monitoring; project ed.
59	SAC	Creek.		59A. Status of floodplain management plans, including feasibility studies to construct setback levees in the Sacramento River EMZ (Keswick to Red Bluff Pod	ERP-96-M16	Aug-97	Sep-98	1,450,200	0	1,450,200	University, Chico	Charles W. Nelson		Upper Sacramento River Restoration Planning	This project will provide for a restora formalization of non-profit manageme planning of the Upper Sacramento Ri hiring a coordinator, setting up organiz agreements, developing and impler developing a plage for Woordcore Brid	ation coordinator to guide the nt entity and related restoration ver Watershed. Tasks include ational structure, oversight and nenting public outreach, and ge and one other sub-reach
69	SAC	₽		Bluff to Chico Landing, Chico Landing to Colusa, Colusa to Verona, Verona to Sacramento)	ERP-97-C03	Jul-98	Dec-00	200,000	0	200,000	CDWR	Stacy Cepello			ceveloping a pian for Woodson Brid Contributes to the process of restorin (EMZ), protecting Inner River Zone a Colusa reaches within identified the S restoration and protection of riparian H Basin (EMZ). <i>Planning; project con</i> <i>non-profit management entity and fi</i> <i>Upper Sacramento River Waters</i> <i>Engineers have taken over the plan</i> <i>the Woodson Bridge re</i>	ge and one orner Sub-reach. g the Sacramento River Basin areas between Red Bluff and acramento River Conservation, labitat in the Sacramento River mpleted. The project setup a or restoration planning of the shed. The Army Corps of ning and implementation for storation efforts.

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N	GIO	oje (ERP Targets taken	Questions for field	ERP PROJECT	START	END	CALFED		Total Project		Principal	anti its		
SM	RE	O Milestone	from ERPP Vol 2	personnel	NUMBERS	DATE	DATE	Award	Cost Share	Cost	Applicant	Investigator	U ni	Project Name	Comments
				59A. Status of floodplain										Riparian Corridor Acquisition	Phase II Habitat Restoration Assessment will study the geomorphic
				management plans, including										and Restoration Assessment	and riparian interactions occurring on an alluvial reach on the Sacramento River between the mouth of Cow Creek and Jellys Ferry
				setback levees in the											bridge (RM 280-267), including lower Battle Creek and Anderson
				Sacramento River EMZ											Creek, to determining restoration possibilities for the integrated
				Reswick to Red Bluff, Red Bluff to Chico Landing, Chico											Includes mapping, coarse sediment supply assessment, stream
				Landing to Colusa, Colusa to											meander assessment, floodplain processes assessment. 3 miles
				Verona, Verona to											protected on Sacramento River and 4 miles on Battle Creek. Harry
6	AC	<u>م</u>		Sacramento)	555 00 540	0/04/00		0 475 000		0 175 000	51.14				Rectenwald, DFG. Implementation. Froject completed.
5	Ś	ш		59A. Status of floodplain	ERP-99-B12	3/31/00	4/30/03	2,175,000	0	2,175,000	BLM	Charles Schultz		Hamilton City Ecosystem	Project will restore connection t the floodplain and expand riparian
				management plans, including										Restoration and Flood Damage	habitat to the maximum extent possible, 2,600 acres, in the Hamilton
				feasibility studies to construct										Reduction: Chico Landing Sub-	City area while simultaneously reducing the flood risk to local
				Sacramento River EMZ										Reach	to restore and improve opportunities for floodplain inundation. Burt
				(Keswick to Red Bluff, Red											Bundy, Sacramento River Conservation Area Forum. Planning
				Bluff to Chico Landing, Chico											for 6.8 miles of setback levees (MS 59A), 1,500 acres increase in
				Verona. Verona to											62G), properties located within the Inner River Zone areas
				Sacramento)											between Red Bluff and Colusa reaches stretch may be habitat for
															Bank Swallow will be protected (MS 60A&B). Draft plan is
											The				complete. Currently seeking public comment.
6	AC	<u>م</u>				No. 00	0-1-04	405 000	0.45,000	0.40,000	Reclamation	Dete Debber			
ŝ	s	ш		59A. Status of floodplain	ERP-02-C05-D	NOV-U2	Oct-04	495,000	345,000	840,000	Board	Pete Rabbon		Lower Deer Creek Restoration	The goal of the proposed project is to improve aquatic and terrestrial
				management plans, including										and Flood Management:	habitat while developing feasible solutions to the flooding problem on
				feasibility studies to construct										Feasibility Study and Conceptual	lower Deer Creek that are sensitive to the needs and values of the
				Sacramento River EMZ										Design	levees to restore and improve opportunities for floodplain inundation.
				(Keswick to Red Bluff, Red											Vieva Swearingen, Deer Creek Watershed Conservancy.
				Bluff to Chico Landing, Chico							Deer Creek				Planning and Design; project just started. (7 percent complete).
	ų			Verona, Verona to							Watershed				
69	SA	<u><u><u></u></u></u>		Sacramento)	ERP-02D-P53	Sep-03	Sep-05	1,519,200	0	1,519,200	Conservancy	Bill Berens		Out mark Dispairs for the	Electric mean and along for the Operation of Diver Mile 444
				management plans, including										Sub-reach Planning for the Sacramento River: River Mile	164. 20 miles. Cathy Morris. The Nature Conservancy. Planning:
				feasibility studies to construct										144-164	project less than 1% completed. The project has just started.
				setback levees in the											
				(Keswick to Red Bluff, Red											
				Bluff to Chico Landing, Chico											
				Landing to Colusa, Colusa to											
6	AC	<u>e</u> .		Sacramento)				1 400 000	0	1 400 000	The Nature	Crog Calat			
5	s			59A. Status of floodplain	ERP-UZ-PZ/			1,408,009	U	1,400,009	Conservancy	Grey Golet		Sacramento River Floodplain	This project will acquire 1,500 acres in Ces or fee title that will include
				management plans, including										Acquisition and Riparian	SRA, instream aquatic, riparian and riverine aquatic and compatibly
				teasibility studies to construct										Restoration	managed agricultural lands. Acquired 1,084 acres for riparian restoration. Cathy Morris, The Nature Conservancy. Project
				Sacramento River EMZ											completed, Acquisition
				(Keswick to Red Bluff, Red											
				Landing to Colusa. Colusa to							TNC, USFWS,	John Carlen			
	U.			Verona, Verona to							Conservation	Gary Kramer.			
59	sA			Sacramento)	ERP-97-N02	Feb-98	Feb-01 ?	9,879,800	5,257,000	15,136,800	Board	Scott Clemons			
				59A. Status of floodplain										Study the feasibility of restoring	Objective: Determine the feasibility of eliminating a source of fish mortality resulting from past gravel mining operations at the site and to
				feasibility studies to construct										processes at the La Barranca	restore riparian processes lost to the existing levee system. The field
				setback levees in the										Unit of the Sacramento River	work is complete and the final report is complete (10-02). Click
				Sacramento River EMZ (Keswick to Red Bluff, Red										National Wildlife Refuge	nere to view the final report. (Administered by Sacramento National Wildlife Refuge)
				Bluff to Chico Landing, Chico											
				Landing to Colusa, Colusa to											
6	3AC	<u>e</u>		Sacramento)	AFRP-00-01			52 000		52 000	AFRP				

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MS Numb	REGION	Project Ty	Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT NUMBERS	START DATE	END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiak Units	Project Name	Comments
					59A. Status of floodplain management plans, including feasibility studies to construct setback levees in the Sacramento River EMZ (Keswick to Red Bluff, Red Bluff to Chico Landing, Chico Landing to Colusa, Colusa to										Environmental Compliance and Hydraulic Evaluation of the La Barranca Unit of the Sacramento River National Wildlife Refuge	Objective: Conduct engineering analysis, develop several design alternatives, and complete an Environmental Assessment (EA) for floodplain restoration of the non-functioning levees and old gravel pits of the La Barranca site on the upper Sacramento River. On-going.
69	SAC	EP			Sacramento)	AFRP-03-07						AFRP	Tricia Parker, USFWS			
					59B. Status of floodplain management plans to restore and improve opportunities for rivers to inundate their floodplain on a seasonal basis in the Sacramento River EMZ (Keswick to Red Bluff, Red Bluff to Chico Landing, Chico Landing to Colusa, Colusa to								This Party		Environmental Compliance and Hydraulic Evaluation of the La Barranca Unit of the Sacramento River National Wildlife Refuge	Objective: Conduct engineering analysis, develop several design alternatives, and complete an Environmental Assessment (EA) for floodplain restoration of the non-functioning levees and old gravel pits of the La Barranca site on the upper Sacramento River. Ongoing.
59	SAC	E E			Verona, Verona to Sacramento	AFRP-03-07						AFRP	Tricia Parker, USFWS			
59	SAC	đ			59B. Status of floodplain management plans to restore and improve opportunities for rivers to inundate their floodplain on a seasonal basis in the Sacramento River EMZ (Keswick to Red Bluff, Red Bluff to Chico Landing, Chico Landing to Colusa, Colusa to Verona, Verona to Sacramento 59B. Status of floodplain	ERP-97-N02	Feb-98	Feb-04	9,879,800	5,257,000	15,136,800	TNC, USFWS, Wildlife Conservation Board	John Carlon, Gary Kramer, Scott Clemons		Sacramento River Floodplain Acquisition and Riparian Restoration	This project will acquire 1,500 acres in Ces or fee title that will include SRA, instream aquatic, riparian and riverine aquatic and compatibly managed agricultural lands. <i>Acquired</i> 1,084 acres for riparian <i>restoration. Cathy Morris, The Nature Conservancy. Project</i> <i>completed, Acquisition</i>
	SAC	Đ			management plans to restore and improve opportunities for rivers to inundate their floodplain on a seasonal basis in the Sacramento River EMZ (Keswick to Red Bluff, Red Bluff to Chico Landing, Chico Landing to Colusa, Colusa to Verona, Verona to Sacramento	ERP-01-N28	Oct-01	Oct-04	541.747	0	541.747	CDWR	Burt Bundy		Area Program	period to assist in the development and implementation of site-specific plans for areas with in the Sacramento River Riparian Conservation Area, and to manage a new nonprofit riparian land management entity that will coordinate activities and continue the process of building broader support and understanding of the goals of the SB 1086 program. Burt Bundy, Sacramento River Conservation Area Forum. Planning; project completed. The project provided funding to continue the efforts of the Sacramento River Conservation Area Program to act as a coordinating body between local, state, and federal agencies regarding restoration activities in the Sacramento River watershed.
20	SAC	du			59B. Status of floodplain management plans to restore and improve opportunities for rivers to inundate their floodplain on a seasonal basis in the Sacramento River EMZ (Keswick to Red Bluff, Red Bluff to Chico Landing, Chico Landing to Colusa, Colusa to Verona, Verona to Sacramento	ERP-02D-P53	Sep-03	Sep-05	1,519,200	0	1,519,200	Deer Creek Watershed Conservancy	Bill Berens		Lower Deer Creek Restoration and Flood Management: Feasibility Study and Conceptual Design	The goal of the proposed project is to improve aquatic and terrestrial habitat while developing feasible solutions to the flooding problem on lower Deer Creek that are sensitive to the needs and values of the local landowners. This includes feasibility studies to construct setback levees to restore and improve opportunities for floodplain inundation. <i>Vieva Swearingen; Deer Creek Watershed Conservancy. Planning and Design; project just started. (7 percent complete).</i>

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umber	N	:t Type			MS Components or									ifiable		
MS NL	REGIO	Projec	Milestone	ERP Targets taken from ERPP Vol 2	Questions for field	ERP PROJECT NUMBERS	START DATE	END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quant Units	Project Name	Comments
					59B. Status of floodplain management plans to restore and improve opportunities for rivers to inundate their floodplain on a seasonal basis in the Sacramento River EMZ										Hamilton City Ecosystem Restoration and Flood Damage Reduction: Chico Landing Sub- Reach	Project will restore connection t the floodplain and expand ripariar habitat to the maximum extent possible, 2,600 acres, in the Hamilt City area while simultaneously reducing the flood risk to local residents. This includes feasibility studies to construct setback leve to restore and improve opportunities for floodplain inundation. Bu Bundy, Sacramento River Conservation Area Forum. Plannin
					(Keswick to Ked Bluff, Ked Bluff to Chico Landing, Chico Landing to Colusa, Colusa to Verona, Verona to Sacramento							The				for 6.8 miles of setback levees (MS 59A), 1,500 acres increase floodplain (MS 59B), restore 1,000 acres of riparian habitat (M 62G), properties located within the Inner River Zone areas between Red Bluff and Colusa reaches stretch may be habitat i Bank Swallow will be protected (MS 60A&B). Draft plan is complete. Currently seeking public comment.
59	SAC	đ				ERP-02-C05-D	Nov-02	Oct-04	495,000	345,000	840,000	Reclamation Board	Pete Rabbon			
					59B. Status of floodplain management plans to restore and improve opportunities for rivers to inundate their floodplain on a seasonal basis in the Sacramento River EMZ (Keswick to Red Bluff, Red Bluff to Chico Landing, Chico Landing to Colusa, Colusa to Verona, Verona to Sacramento										Riparian Corridor Acquisition and Restoration Assessment	Phase II Habitat Restoration Assessment will study the geomorph and riparian interactions occurring on an alluvial reach on the Sacramento River between the mouth of Cow Creek and Jellys Ferr bridge (RM 280-267), including lower Battle Creek and Anderson Creek, to determining restoration possibilities for the integrated complex that includes lands owned and managed by BLM and other Includes mapping, coarse sediment supply assessment, stream meander assessment, floodplain processes assessment. 3 miles protected on Sacramento River and 4 miles on Battle Creek. Harr Rectenwald DFG. Implementation. Project completed.
59	SAC	Ð			FOD Otatus of the states	ERP-99-B12	3/31/00	4/30/03	2,175,000	0	2,175,000	BLM	Charles Schultz		Occurrente Diver () Maior	
59	SAC	đ			595. Status of floodplain management plans to restore and improve opportunities for rivers to inundate their floodplain on a seasonal basis in the Sacramento River EMZ (Keswick to Red Bluff, Red Bluff to Chico Landing, Chico Landing to Colusa, Colusa to Verona, Verona to Sacramento	ERP-96-M16	Aug-97	Sep-98	1,450,200	0	1,450,200	California State University, Chico	Charles W. Nelson		Sacramento River & Major Tributaries Riparian Corridor Mapping Project	Mapping or nparian vegetation along rivers and streams in the Sacramento Valley portions of Glenn, Sutter, Colusa, Yuba, Yolo, ar Sacramento Counties. Contributes to the process of restoring the Sacramento River Basin (EMZ), protecting Inner River Zone areas between Red Bluff and Colusa reaches within identified the Sacramento River Conservation, restoration and protection of riparia habitat in the Sacramento River Basin (EMZ). Mapped riparian vegetation, open water, gravel bars, disturbed riparian, and invasive (Arundo, Tamarix, Rubus discolor) throughout the Sacramento River and major tributaries. Monitoring; project completed.
	AC	•			59B. Status of floodplain management plans to restore and improve opportunities for rivers to inundate their floodplain on a seasonal basis in the Sacramento River EMZ (Keswick to Red Bluff, Red Bluff to Chico Landing, Chico Landing to Colusa, Colusa to Verona, Verona to Sacramento										Upper Sacramento River Restoration Planning	I his project will provide for a restoration coordinator to guide the formalization of non-profit management entity and related restoratio planning of the Upper Sacramento River Watershed. Tasks include hiring a coordinator, setting up organizational structure, oversight an agreements, developing and implementing public outreach, and developing a plan for Woodson Bridge and one other sub-reach. Contributes to the process of restoring the Sacramento River Basin (EMZ), protecting Inner River Zone areas between Red Bluff and Colusa reaches within identified the Sacramento River Conservatior restoration and protection of riparian habitat in the Sacramento River Basin (EMZ). Planning; project completed. The project setup a non-profit management entity and for restoration planning of th Upper Sacramento River Watershed. The Army Corps of Engineers have taken over the planning and implementation fo the Woodson Bridge restoration efforts.
22	ŝ	Ξ	1	1	1	ERP-97-C03	Jul-98	Dec-00	200,000	0	200,000	CDWR	Stacy Cepello	1	1	

					CONT	RACT								
N nber	Type											iiable		
S Nur	oject	ERP Targets taken	MS Components or Questions for field	ERP PROJECT	START	END	CALFED		Total Project		Principal	uantif nits		
ж з	<u>ک</u> Milestone	from ERPP Vol 2	personnel 59B. Status of floodplain	NUMBERS	DATE	DATE	Award	Cost Share	Cost	Applicant	Investigator	σī	Project Name Floodplain Acquisition and Sub-	Comments This contract provides for the planning component of this project. Site
			management plans to restore										Reach/Site-Specific	specific management planning will be conducted on the Beehive Bend
			rivers to inundate their										Sacramento River (Red Bluff to	the project goals for implementation of a limited meander corridor.
			floodplain on a seasonal basis										Colusa)	Modeling will be used to evaluate the interactions of land use changes with flood control infrastructure, and strategies for maximizing aquatic
			(Keswick to Red Bluff, Red											habitat diversity in the sub-reach Task 1: Survey, model, and
			Bluff to Chico Landing, Chico											evaluate potential changes in hydrology and geomorphology. Task 4:
			Verona, Verona to Sacramento											Bend sub-reach. <i>Mike Roberts, The Nature Conservancy.</i>
0										The Nature				Planning; project completed.
SA(<u>е</u>			ERP-00-F03	Jun-00	May-03	519,000	0	519,000	Conservancy	Sam Lawson			
			59B. Status of floodplain management plans to restore										Sub-reach Planning for the Sacramento River: River Mile	Restore and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along
			and improve opportunities for										144-164	the Chico Landing to Colusa reach of the Sacramento River EMZ.
			floodplain on a seasonal basis											in the planning phase. C athy Morris; The Nature Conservancy.
			in the Sacramento River EMZ											Planning; project less than 1% completed. The project has just
			Bluff to Chico Landing, Chico											Started.
			Landing to Colusa, Colusa to Verona, Verona to Sacramento							The Methods				
59 SAC	L			ERP-02-P27	?	?	1,488,009	0	1,488,009	Conservancy	Greg Golet			
			59B. Status of floodplain										Sacramento River-Active Restoration of Riparian Forest	Will restore 200 acres of flood-prone agricultural lands to native riparian forest along the Sacramento River Rvan Luster The Nature
			and improve opportunities for											Conservancy. Implementation; 204 acres were restored to
			rivers to inundate their floodplain on a seasonal basis											riparian habitat, project completed.
			in the Sacramento River EMZ											
			Bluff to Chico Landing, Chico											
			Landing to Colusa, Colusa to											
59 SAC	B			ERP-97-N03A	Dec-98	Dec-01	780,000	0	780,000	The Nature Conservancy	Meghan Mazzoni			
			59B. Status of floodplain										Sacramento River Meander	Project will acquire 94.55 acres and restore 10 acres to riparian
			and improve opportunities for										Residration	10 was restored to riparian habitat, 600 acres were reconnected
			rivers to inundate their											to the Sacramento River Floodplain. Project completed.
			in the Sacramento River EMZ											
			(Keswick to Red Bluff, Red Bluff to Chico Landing, Chico											
			Landing to Colusa, Colusa to											
e C	<u>e</u> .		Verona, Verona to Sacramento		Eab 08	Eeb 01	808 700	0	808 700	The Nature	Meghan Mazzoni			
v v	<u> </u>		59C. Status of floodplain	ERF-9/-NU4	LED-20		090,700	U	090,700	Conservancy	weynan wazzoni		Sulphur Creek Coordinated	Sulphur Creek CRMP will distribute the Watershed Analysis, develop
			management plans, including feasibility studies to construct										Watershed Management Plan Group	community-based restoration objectives, pursue founding to implement projects identified in the Watershed Analysis, and enhance public
			setback levees in one tributary										oroup	awareness and education in fishers and watershed issues. May
			of the North Sacramento Valley EMZ (Clear Creek, Cow											contribute to various habitat restoration, protection, and management milestones for the North Sacramento Valley (EMZ). Clear Creek
			Creek, Bear Creek, Battle							Sacramento				(EMU). John McCullah, Sacramento Watersheds Action Group.
SAC 59	£		Greek)	ERP-98-E15	Oct-98	May-01	23.828	0	23.828	Watersheds Action Group	John McCullah			Planning / Education. Project completed.
	-		59D. Status of floodplain				020	, , , , , , , , , , , , , , , , , , ,					Battle Creek Interim Flow	Floodplain mgmt. /Improve restore so that river inundates floodplain.
			management plans to restore and improve opportunities for										Restoration	implementation; 50 percent complete. Ongoing due to amendments. Restore 2 miles of riparian habitat.
			rivers to inundate their											
			in n one tributary of the North											
			Sacramento Valley EMZ (Clear Creek, Cow Creek								John Sandoffner,			

MS Number	KEGION	원 스 고 Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT NUMBERS	CONT START DATE	END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	
				59D. Status of floodplain management plans to restore and improve opportunities for rivers to inundate their floodplain on a seasonal basis in n one tributary of the North Sacramento Valley EMZ							Battle Creek			Battle Creek Watershed Stewardship	This project will evalu Creek. Contributes to management of rij Sacramento Valley (comple
59 5 1 0	SAC	<u>.</u>		Bear Creek, Battle Creek)	ERP-98-E06	Jan-98	Dec-99	145,000	0	145,000	Watershed Conservancy	Donald Holtgrieve			
				59D. Status of floodplain management plans to restore and improve opportunities for rivers to inundate their floodplain on a seasonal basis in n one tributary of the North Sacramento Valley EMZ (Clear Creek, Cow Creek, Bear Creek, Battle Creek)							Battle Creek Watersbed	Sharon Paquin- Gilmore		Battle Creek Watershed Stewardship, Phase 2	BCWC proposes a pro assessment of watershe lands lying immediatel reaches. 2) Impler agencies and local scho Restoration Proje management. 3) S Watershed Strategy, t with agencies and land of safeguarding the agricultural lifestyle and Creek Salmon an Rectenwald, DFG. complete. Project is Conservation easer
6	AC	<u>e.</u>			AERD 01 10	lup 05	Sop 02	200,606	75.000	224 606	Watershed Conservancy	Gilmore, Watershed			informati
	SAC .			59E. Status of floodplain management plans, including feasibility studies to construct setback levees in one tributary of the Cottonwood Creek EMZ (Upper Cottonwood Creek, Lower Cottonwood Creek)	FRP-07-N07		Nov-02	61 000	10,000	71.000	Graham Matthews and	Graham		Cottonwood Creek Channel Restoration Planning	May contribute to milestor Patricia Bratcher, Di hydrologic analysis and s pi
	<i>n</i>	<u>u</u>		59E. Status of floodplain management plans, including feasibility studies to construct setback levees in one tributary of the Cottonwood Creek EMZ (Upper Cottonwood Creek, Lower Cottonwood Creek)	ERF-9/-NU/	<u>Ju-90</u>	100-02	01,000	10,000	/ 1,000	Cottonwood	Watti IEWS		Cottonwood Creek Watershed Group Formation	This project will: 1) Identif public land management managers to form cons Coordinate with resourc needs and correlate thos Research previous studie Contributes to the process of riparian and floodplair Patricia Bratcher, DFG. for Cottonwood Creek
	AC	e.				Oct 98	Dec 01	161.000	0	161 000	Creek Watershed	Vieva			
20 20 20 20	SAC	<u>ш</u>		59E. Status of floodplain management plans, including feasibility studies to construct setback levees in one tributary of the Cottonwood Creek EMZ (Upper Cottonwood Creek , Lower Cottonwood Creek)	ERP-00-E03	Oct-98	Dec-01	443.047	0	443.047	Cottonwood Creek Watershed Group	Vieva Swearingen		Cottonwood Creek Watershed Monitoring and Assessment	Continued management (CCWG) to oversee the phase would assess of miles), both as to the land future projects. Pat Assess
59	SAC	£		59F. Status of floodplain management plans to restore and improve opportunities for rivers to inundate their floodplain on a seasonal basis in one tributary of the Cottonwood Creek EMZ (Upper Cottonwood Creek,	ERP-97-N07	Jul-98	Nov-04	61,000	10,000	71,000	Graham Matthews and Associates	Graham Matthews		Cottonwood Creek Channel Restoration Planning	May contribute to mile Patricia Bratcher hydrologic analysis ar

	ŝ	ŝ	<u> </u>	0	MS Number
	SAC	SAC	SAC	SAC	REGION
	8	<u>-</u>	<u>-</u>	e.	ed L t to eoo Milestone
					ERP Targets taken from ERPP Vol 2
59I. Status of floodplain management plans, including feasibility studies to construct setback levees in one tributary	59H. Status of floodplain management plans to restore and improve opportunities for rivers to inundate their floodplain on a seasonal basis in one tributary of the Colusa Basin EMZ (Stoney Creek, Elder Creek, Thomes Creek, Colusa Basin)	59G. Status of floodplain management plans, including feasibility studies to construct setback levees in one tributary of the Colusa Basin EMZ (Stoney Creek, Elder Creek, Thomes Creek, Colusa Basin)	59F. Status of floodplain management plans to restore and improve opportunities for rivers to inundate their floodplain on a seasonal basis in one tributary of the Cottonwood Creek EMZ (Upper Cottonwood Creek, Lower Cottonwood Creek)	59F. Status of floodplain management plans to restore and improve opportunities for rivers to inundate their floodplain on a seasonal basis in one tributary of the Cottonwood Creek EMZ (Upper Cottonwood Creek , Lower Cottonwood Creek)	MS Components or Questions for field personnel
	ERP-99-N14	ERP-99-N14	ERP-00-E03	FRP-98-F05	ERP PROJECT NUMBERS
	Jun-01	Jun-01	Oct-00	Oct-98	CONT START DATE
	May-04	Мау-04	Dec-04	Dec-04	END DATE
	492,500	492,500	443.047	161.000	CALFED Award
	191,000	191,000	0	0	Cost Share
	683,500	683,500	443.047	161 000	Total Project Cost
	Colusa Resource Conservation District	Colusa Resource Conservation District	Cottonwood Creek Watershed Group	Cottonwood Creek Watershed Group	Applicant
	Christopher Rose	Christopher Rose	Vieva Swearingen	Vieva Swearingen	Principal Investigator
					Quantifiable Units
Watershed Plan, Big Chico Creek	Colusa Basin Watershed Project	Colusa Basin Watershed Project	Cottonwood Creek Watershed Monitoring and Assessment	Cottonwood Creek Watershed Group Formation	Project Name
This project will evaluate and develop a watershed plan for Big Chico Creek. Tasks include assessment of existing conditions, modeling of flow and sediment transport, identification of issues and conflicts, and the development of a watershed management strategy. Contributes to	Contributes to monitoring and restoration efforts along the Colusa Basin (600,000 acres). The Colusa Basin Drain Watershed project will serve as a project that assists private landowners in addressing non- point source pollution, flood control issues, exotic invasive weeds, and reactivating important ecological processes and functions of riparian corridors. The project will consist of 6 to 12 selected sites, which will implement riparian enhancement and other restoration practices. Patti A. Turner, Colusa County Resource Conservation District. Implementation; 75 percent complete. Six sites are done. Monitoring and restoration of 600,000 acres.	Contributes to monitoring and restoration efforts along the Colusa Basin (600,000 acres). The Colusa Basin Drain Watershed project will serve as a project that assists private landowners in addressing non- pint source pollution, flood control issues, exotic invasive weeds, and reactivating important ecological processes and functions of riparian corridors. The project will consist of 6 to 12 selected sites, which will implement riparian enhancement and other restoration practices. Patti A. Turner, Colusa County Resource Conservation District. Implementation; 75 percent complete. Six sites are done. Monitoring and restoration of 600,000 acres.	Continued management of the Cottonwood Creek Watershed Group (CCWG) to oversee the implementation of a watershed plan. This phase would assess current conditions in the watershed (930 sq miles), both as to the land and stream conditions to give a baseline for future projects. <i>Patricia Bratcher, DFG. Monitoring and</i> <i>Assessment; project completed.</i>	This project will: 1) Identify and organize the landowners to work with public land management agencies, interested parties and resource managers to form consensus on issues and their importance; 2) Coordinate with resources managers which have studied regional needs and correlate those studies with input from stakeholders; 3) Research previous studies within the Cottonwood Creek watershed. Contributes to the process of restoration, protection, and management of riparian and floodplain habitat in the Cottonwood Creek (EMZ). Patricia Bratcher, DFG. Implement watershed stewardship plan for Cottonwood Creek. Implementation; project completed.	Comments

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S Numbe	EGION	oject Ty	ERP Targets taken	MS Components or Questions for field	ERP PROJECT	START	END	CALFED		Total Project		Principal	uantifiab nits		
Ë	R	ፚ Milestone	from ERPP Vol 2	personnel	NUMBERS	DATE	DATE	Award	Cost Share	Cost	Applicant	Investigator	σ́⊃́	Project Name	Comments
				59I. Status of floodplain										Deer Creek Watershed	This project will evaluate and develop a watershed plan for Deer
				feasibility studies to construct										Management/Implementation	Greek. Tasks include assessment of existing conditions, modeling of flow and sediment transport, identification of issues and conflicts, and
				setback levees in one tributary										Fiogram	the development of a watershed management strategy. Contributes to
				of the Butte Basin EMZ											the process of restoration, protection, and management of riparian and
				(Paynes Creek, Antelope											floodplain habitat in the Butte Basin (EMZ). Patricia Bratcher, DFG.
				Creek, Mill Creek, Deer Creek,											Implement water management strategy and water quality
				Big Chico Creek, Butte Creek,							California State				program. Implementation; project completed.
	U,			Butte Sink)							University,	Donald			
59	SA	EP			ERP-97-E02	Jan-98	Dec-99	199,554	0	199,554	Chico	Holtgrieve			
				59I. Status of floodplain										The Butte Creek Watershed	Contributes to restoration efforts along Butte Creek. The project tasks
				management plans, including										Educational Workshops and	1) Hire the Butte Creek Watershed Coordinator Assistant; 2) Develop
				setback levees in one tributary										Field Tours Series	Watershed Road Survey (identifying sediment problems): 4)
				of the Butte Basin EMZ											Implement the Riparian Education and Geomorphology Analysis of
				(Paynes Creek, Antelope											Butte Creek. Paul Ward, DFG. Conduct a road survey that
				Creek, Mill Creek, Deer Creek,											monitors: erosion and sedimentation. Train field personnel and
				Big Chico Creek, Butte Creek,											maintain data base. Implementation; project completed.
	U.			Butte Sink)								Donald			
69	SA	EP			ERP-98-F01	Sep-98	Dec-01	302,745	0	302,745	CSU Chico	Holtgrieve			
				59J. Status of floodplain										The Butte Creek Watershed	Contributes to restoration efforts along Butte Creek. The project tasks
				management plans to restore										Educational Workshops and	1) Hire the Butte Creek Watershed Coordinator Assistant; 2) Develop
				and improve opportunities for										Field Tours Series	Watershed Road Survey (identifying sediment problems): 4)
				floodplain on a seasonal basis											Implement the Riparian Education and Geomorphology Analysis of
				in one tributary of the Butte											Butte Creek. Paul Ward, DFG. Conduct a road survey that
				Basin EMZ (Paynes Creek,											monitors: erosion and sedimentation. Train field personnel and
				Antelope Creek, Mill Creek,											maintain data base. Implementation; project completed.
				Deer Creek, Big Chico Creek,											
-	AC	6		Butte Creek, Butte Sink)								Donald			
56	ŝ			50 L Status of floodplain	ERP-98-F01	Sep-98	Dec-01	302,745	0	302,745	CSU Chico	Holtgrieve		Deer Creek Watershed	This project will evaluate and develop a watershed plan for Deer
				management plans to restore										Management/Implementation	Creek Tasks include assessment of existing conditions modeling of
				and improve opportunities for										Program	flow and sediment transport, identification of issues and conflicts, and
				rivers to inundate their										9 •	the development of a watershed management strategy. Contributes to
				floodplain on a seasonal basis											the process of restoration, protection, and management of riparian and
				in one tributary of the Butte											floodplain habitat in the Butte Basin (EMZ). Patricia Bratcher, DFG
				Basin EMZ (Paynes Creek,											Implement water management strategy and water quality
				Deer Creek, Big Chico Creek							California State				program. implementation; project completed.
	с			Butte Creek, Butte Sink)							University	Donald			
59	SA	8		. ,	ERP-97-E02	Jan-98	Dec-99	199,554	0	199,554	Chico	Holtgrieve			
	ſ			59J. Status of floodplain										Acquire the Nock property on	The Nock property is 125.2 acres located at the confluence of Mud
				management plans to restore										Big Chico Creek	and Big Chico Creeks near the Sacramento River in Butte County, Ca
				and improve opportunities for											I he protection and restoration of the Nock property will help create
				floodplain on a seasonal basis											more complex and continuous snoreline vegetation, increase available
				in one tributary of the Butte											refugia for iuvenile fish. The anticipated long term ecological benefits
				Basin EMZ (Paynes Creek,											of the proposed project are to help protect and facilitate enhancement
				Antelope Creek, Mill Creek,											of the meanderbelt and associated floodplain of the Sacramento River
				Deer Creek, Big Chico Creek,											Objective: Conduct baseline biological and environmental surveys,
				Butte Creek, Butte Sink)											implement interim restoration and start up stewardship actions and
															develop a long term restoration and management plan prior to
	v v											John Icanberry			in FY2000.
59	s,				AFRP-00-15		1				AFRP	USFWS			

59		65	20			MS Number
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	<u> </u>					Milestone
						ERP Targets taken from ERPP Vol 2
feasibility studies to construct setback levees in one tributary of the Feather River/Sutter Basin (Feather River, Yuba	59K. Status of floodplain management plans, including	management plans to restore and improve opportunities for rivers to inundate their floodplain on a seasonal basis in one tributary of the Butte Basin EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek, Big Chico Creek, Butte Creek, Butte Sink)	59J. Status of floodplain management plans to restore and improve opportunities for rivers to inundate their floodplain on a seasonal basis in one tributary of the Butte Basin EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek, Big Chico Creek, Butte Creek, Butte Sink) 591. Status of floodplain	Antelope Creek, Mill Creek, Deer Creek, Big Chico Creek, Butte Creek, Butte Sink)	59J. Status of floodplain management plans to restore and improve opportunities for rivers to inundate their floodplain on a seasonal basis in one tributary of the Butte Basin FMZ (Paynes Creek	MS Components or Questions for field personnel
		FRP-02-P16-D	ERP-97-E01			ERP PROJECT NUMBERS
			Mar-98			CONT START DATE
			Jun-99			RACT END DATE
	2,000,011	2 603 377	422,830			CALFED Award
			0			Cost Share
	2,000,011	2 603 377	422,830			Total Project Cost
	Conservancy	The Nature	Big Chico Creek Watershed Alliance			Applicant
	Gam Lawson	Sam Lawson	Joe Karkoski	John Icanberry		Principal Investigator
						Quantifiable Units
		Are of the Sacramento River, Big Chico and Mud Creeks	Watershed Plan, Big Chico Creek		Acquire the Singh property of Big Chico Creek	Project Name
		Sacramento River Conservation Area at the confluence of the Sacramento River, Big Chico and Mud Creeks at river miles 194-195. <i>Cathy Morris, The Nature Conservancy. Acquisition; just</i> <i>beginning.</i>	This project will evaluate and develop a watershed plan for Big Chico Creek. Tasks include assessment of existing conditions, modeling of flow and sediment transport, identification of issues and conflicts, and the development of a watershed management strategy. Contributes to the process of restoration, protection, and management of riparian and floodplain habitat in the Butte Basin (EMZ). <i>Paul Ward, DFG.</i> <i>Planning; project completed. AFRP and DWR funded the design of the fish ladders.</i>	Conservancy. TNC staff, Ayres Associates and CSU Chico personnel under contract to TNC are proceeding with data collection, a baseline assessment, and hydraulic modeling of the general area of the Singh, Mendonca, and Nicolas tracts between Mud Creek and the Sacramento River, and the Nock tract between Mud Creek and Big Chico Creek. These studies are taking place and will be evaluated within the larger context of the Chico Landing Sub-Reach Study that TNC is conducting as a portion of its obligations under CalFed Grant # 97-NO2.	The Singh property is 40.4 acres located west of Mud Creek, north of the Bidwell-Sacramento River State Park and adjacent to the Sacramento River in Butte County, Ca. Objective: Conduct baseline biological and environmental surveys, implement interim restoration and start up stewardship actions and develop a long term restoration, and management plan prior to acquisition by The Nature Conservancy. Contract was signed 8/2000 between EWS (AFRP) and The Nature	Comments

69	69	MS Number
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e de la constante de la consta	Ч	Project Type Wilestone
		ERP Targets taken from ERPP Vol 2
59N. Status of floodplain management plans to restore and improve opportunities for rivers to inundate their floodplain on a seasonal basis in one tributary of the American River Basin (American Basin, Lower American River)	59M. Status of floodplain management plans, including feasibility studies to construct setback levees in one tributary of the American River Basin (American Basin, Lower American River)	MS Components or Questions for field personnel
ERP-97-N05		ERP PROJECT NUMBERS
Mar-99		CONT START DATE
Jun-00		END DATE
222,530		CALFED Award
0		Cost Share
222,530		Total Project Cost
Placer County Planning Department		Applicant
Loren Clark		Principal Investigator
		Quantifiable Units
Auburn Ravine/Coon Creek Restoration Planning		Project Name
Develop a plan with major emphasis on protection and restoration of riparian and aquatic habitats. John Nelson,Department of Fish and Game. Planning; project completed.		Comments

ſ						MUL	TI SPECIE	S CON	SERVA	ATION S	TRATEG	BY MILES	STONE 60) ROLLED	UP S	SUMMARY		
	MILE acres area Colu Sacr Area habit Sacr Supp Durro Colu	STO with s betv sa rea amen Esta at pre the u amen orting wws be sa an	NE 60 P in the Inne veen Red I aches withi to River C ablish betw eserves for upper reac to River ca 5000 ban etween the d Red Bluf	rotect 15,000 r River Zone Bluff and n identified the onservation veen 3 and 5 bank swallows hes of the apable of k swallow e towns of f.			PROJECTS REVIEWED - ERP-96-M16, ERP-97-C03, ERP-97-N02, ERP-97-N04, ERP-98-F18, ERP-09-B12, ERP-00-F03, ERP-01-N28, ERP-02-C05-D, ERP-02-P16-D, ERP-02-P27		SUMMA phase re restorati Colusa s restored could be erode al setback swallow preserve burrows	ARY – Mar eports, fun- ion along ti sub- reach d riparian h e suitable b nd develop levees. Ti rs, should p es and may s.	ny projects ded acquis he Sacram es and ha abitat and bank swalk b into suita hese 20 m provide the y provide f	s have prov sition, supp tento River ve or will pr nearly 40 r ow habitat of ble bank sw tiles of bank basis for u for the targe	ided plannin orted permit from Red B rovide over 5 iver miles of or could be a vallow habita k, suitable fo up to 5 bank et of 5000 ba	g and design ting, and luff and 5800 acres of 5 bank that allowed to at because of r bank swallow ank swallow			AGENCY NOTES	NOTES CONT'D
				MULTI SPEC	IES CONSE	RVATION STRATE	GY MILES	TONE	60 E\	/ALUATI	ION OF		JAL PRO	JECTS REV	IEWE	D TO FORMULATE TH	E ROLLED UP SUMMA	RY
	MS Number	REGION	Project I ype	Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT NUMBERS	CONT START DATE	END DATE	CALFED	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Commen	ts
	00	SAC	Protect 15 Inner Rive between F reaches w Sacramen Conserval between 3 preserves along the Sacramen	,000 acres within the r Zone areas Red Bluff and Colusa ithin identified the to River ion Area. Establish and 5 habitat for bank swallows upper reaches of the to River capable of 5 5000 bank swallow		60 A. Status of the protection of 15,000 acres within the Inner River Zone areas between Red Bluff and Colusa reaches within identified the Sacramento River Conservation Area.	FRP-96-M16	Aun-97	Sep.98	1 450 200	0	1 450 200	California State University,	Charles W.		Sacramento River & Major Tributaries Riparian Corridor Mapping Project	Mapping of riparian vegetation alor Sacramento Valley portions of Glenn, S Sacramento Counties. Contributes to of restoring the Sacramento River Basi Zone areas between Red Bluff and C the Sacramento River Conservation, riparian habitat in the Sacramento F riparian vegetation, open water, grave invasive (Arundo, Tamarix, Rubu Sacramento River and major tribut complete	ng rivers and streams in the Sutter, Colusa, Yuba, Yolo, and the proconservation easements n (EMZ), protecting Inner River olusa reaches within identified restoration and protection of River Basin (EMZ). Mapped al bars, disturbed riparian, and s discolor) throughout the aries. <i>Monitoring; project</i> <i>id.</i>
	e0	SAC	L			60 A. Status of the protection of 15,000 acres within the Inner River Zone areas between Red Bluff and Colusa reaches within identified the Sacramento River Conservation Area.	ERP-97-C03	Jul-98	Dec-00	200,000	0	200,000	CDWR	Stacy Cepello		Upper Sacramento River Restoration Planning	This project will provide for a restora formalization of non-profit managemer planning of the Upper Sacramento Riv hiring a coordinator, setting up organiz agreements, developing and implen developing a plan for Woodson Brid Contributes to the process of restorin (EMZ), protecting Inner River Zone a Colusa reaches within identified the Sa restoration and protection of riparian h Basin (EMZ). <i>Planning; project con non-profit management entity and fo Upper Sacramento River Waters</i> Engineers have taken over the plan the Woodson Bridge rest	tion coordinator to guide the ht entity and related restoration ver Watershed. Tasks include ational structure, oversight and nenting public outreach, and ge and one other sub-reach. g the Sacramento River Basin areas between Red Bluff and acramento River Conservation, abitat in the Sacramento River npleted. The project setup a or restoration planning of the hed. The Army Corps of ning and implementation for storation efforts.
	9	AC S	<u>.</u>			60 A. Status of the protection of 15,000 acres within the Inner River Zone areas between Red Bluff and Colusa reaches within identified the Sacramento River Conservation Area.		50b 09	Ech 01	200,000		200,000	The Nature			Sacramento River Meander Restoration	Project will acquire 94.55 acres and habitat. Ryan Luster, The Nature Co 10 was restored to riparian habitat, to the Sacramento River Floodp	restore 10 acres to riparian nservancy. Implementation; 600 acres were reconnected blain. Project completed.

umber	NO	ct Type			MS Components or		CONT	RACT						tifiable		
MS N	REGI	Proje	Milestone	ERP Targets taken from ERPP Vol 2	Questions for field personnel	ERP PROJECT NUMBERS	START DATE	END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quan Units	Project Name	Comments
90	SAC	Б			60 A. Status of the protection of 15,000 acres within the Inner River Zone areas between Red Bluff and Colusa reaches within identified the Sacramento River Conservation Area.	ERP-99-B12	Mar-00	Apr-03	2 175.000	0	2 175 000	BLM	Charles Schultz		Riparian Corridor Acquisition and Restoration Assessment	Project will establish a conservation easement acquisition on the Gover Ranch, and conduct geomorphic studies of a reach on the Sacramento River. Some of the land will be covered by an agricultural easement. 1412 acres. Harry Rectenwald, DFG. Implementation; project completed. Acquired a conservation easement of 1412 acres and protected 10 miles of riparian habitat on Battle Creek.
60	SAC	- -			60 A. Status of the protection of 15,000 acres within the Inner River Zone areas between Red Bluff and Colusa reaches within identified the Sacramento River Conservation Area.	ERP-00-F03	Jun-00	May-03	519,000	0	519,000	The Nature Conservancy	Sam Lawson		Floodplain Acquisition and Sub- Reach/Site-Specific Management Planning on the Sacramento River (Red Bluff to Colusa)	This contract provides for the planning component of this project. Site specific management planning will be conducted on the Beehive Bend subreach (RM 165-176). This contract will support progress towards the project goals for implementation of a limited meander corridor. Modeling will be used to evaluate the interactions of land use changes with flood control infrastructure, and strategies for maximizing aquatic habitat diversity in the sub-reach. Task 1: Survey, model, and evaluate potential changes in hydrology and geomorphology. Task 4: Identify future conservation and management actions for the Beehive Bend sub-reach. <i>Mike Roberts, The Nature Conservancy. Planning; project completed.</i>
	AC	_			60 A. Status of the protection of 15,000 acres within the Inner River Zone areas between Red Bluff and Colusa reaches within identified the Sacramento River Conservation Area.							The Reclamation			Hamilton City Ecosystem Restoration and Flood Damage Reduction: Chico Landing Sub-Reach	Will protect 2,600 acres within the Sacramento River Conservation Area which provide habitat for Bank Swallows. Burt Bundy, Sacramento River Conservation Area Forum. Planning for 6.8 miles of setback levees (MS 59A), 1,500 acres increase in floodplain (MS 59B), restore 1,000 acres of riparian habitat (MS 62G), properties located within the Inner River Zone areas between Red Bluff and Colusa reaches stretch may be habitat for Bank Swallow will be protected (MS 60A&B). Draft plan is complete. Currently seeking public comment.
60 61	SAC S	ЕР			60 A. Status of the protection of 15,000 acres within the Inner River Zone areas between Red Bluff and Colusa reaches within identified the Sacramento River Conservation Area.	ERP-02-C05-D	Sep-03	Sep-05	1.519.200	0	1.519.200	Deer Creek Watershed Conservancy	Pete Rabbon		Lower Deer Creek Restoration and Flood Management: Feasibility Study and Conceptual Design	Will protect unspecified amount of acres within the Sacramento River Conservation Area. Vieva Swearingen, Deer Creek Watershed Conservancy. Planning and Design; project just started. (7 percent complete).
30	SAC	di di			60 A. Status of the protection of 15,000 acres within the Inner River Zone areas between Red Bluff and Colusa reaches within identified the Sacramento River Conservation Area.	ERP-98-F18	Mar-99	Sep-01	1.000 000	0	1.000.000	The Nature	Sam Lawson		Floodplain Acquisition, Management, and Monitoring of the Sacramento River	Project will identify willing sellers on floodplain lands within the Sacramento River Conservation Area between Keswick and Verona. Planning to restore all 288 acres to riparian floodplain habitat. Cathy Morris, The Nature Conservancy. Project completed, Acquisition/Planning. 181 acres protected is in the Inner River Zone.
60 6	SAC %	EP			60 A. Status of the protection of 15,000 acres within the Inner River Zone areas between Red Bluff and Colusa reaches within identified the Sacramento River Conservation Area.	ERP-97-N02	Feb-98	Feb-04	9,879,800	5,257,000	15,136,800	TNC, USFWS, Wildlife Conservation Board	John Carlon, Gary Kramer, Scott Clemons		Sacramento River Floodplain Acquisition and Riparian Restoration	This project will acquire 1,500 acres in conservation easement or fee title that will include SRA, instream aquatic, riparian and riverine aquatic and compatibly managed agricultural lands. Acquired 1,084 acres for riparian restoration. Cathy Morris, The Nature Conservancy. Project completed, Acquisition
60	SAC	EP			60 A. Status of the protection of 15,000 acres within the Inner River Zone areas between Red Bluff and Colusa reaches within identified the Sacramento River Conservation Area.	ERP-02-P16-D			2.603,377		2.603.377	The Nature Conservancy	Sam Lawson		Restoration of the Confluence Are of the Sacramento River, Big Chico and Mud Creeks	Protect and restore 311 acres of flood-prone, land located within the Sacramento River Conservation Area at the confluence of the Sacramento River, Big Chico and Mud Creeks at river miles 194-195. <i>Cathy Morris, The Nature Conservancy. Acquisition</i>

ber		ype					CON		-					able		
MS Numt	REGION	Project T	Milestone	ERP Targets taker	MS Components or n Questions for field personnel	ERP PROJECT	START	END DATF	CALFED	Cost Share	Total Project	Applicant	Principal Investigator	Quantifia Units	Project Name	Comments
	AC		mitostorio		60 A. Status of the protection of 15,000 acres within the Inner River Zone areas between Red Bluff and Colusa reaches within identified the Sacramento River Conservation Area.				Anald			The Nature			Sub-reach Planning for the Sacramento River: River Mile 144-164	Restore and maintain riparian habitat to improve salmonid shaded riverine aquatic habitat, and ins the Chico Landing to Colusa reach of the Sacra Unspecified amount will be restored, all will be ma in the planning phase. Cathy Morris, The Nat Planning; project less than 1% completed. The started.
Ö	0				60 A. Status of the protection of 15,000 acres within the Inner River Zone areas between Red Bluff and Colusa reaches within identified the Sacramento River Conservation Area.	EKP-02-P27			1,468,009		1,488,009	Conservancy	Greg Golet		Sacramento River Conservation Area Program	The project involves hiring a manager and office period to assist in the development and implemer plans for areas with in the Sacramento River Rip Area, and to manage a new nonprofit riparian lan that will coordinate activities and continue the p broader support and understanding of the goa program. Burt Bundy, Sacramento River Co Forum. Planning; project completed. The funding to continue the efforts of the Sac Conservation Area Program to act as a co between local, state, and federal agencies reg activities in the Sacramento River w
09	SAC	₽			60 B. Status of the	ERP-01-N28	Oct-01	Oct-04	541,747	0	541,747	CDWR	Burt Bundy		Hamilton City Ecosystem Restoration	Will protect 2,600 acres within the Sacramento
60	SAC	6			establishment of between 3 and 5 habitat preserves for bank swallows along the upper reaches of the Sacramento River capable of supporting 5000 bank swallow burrows between the towns of Colusa and Red Bluff.	r ERP-02-C05-D	Nov-02	Oct-04	495.000	345.000	840.000	The Reclamation Board	Pete Rabbon		Landing Sub-Reach	Area which provide habitat for Bank Swallow: Sacramento River Conservation Area Forum miles of setback levees (MS 59A), 1,500 ac floodplain (MS 59B), restore 1,000 acres of rij 62G), properties located within the Inner R between Red Bluff and Colusa reaches stretch Bank Swallow will be protected (MS 60A& complete. Currently seeking public of

					MULTI	SPECIES (CONSE	RVATI	ON STR	RATEG	/ MILES	TONE 61	ROLLEI	O UP S	SUMMARY		
M Ri Ba El Iea fo pr	LEST ver Ba sin, F IZs, c st 15 wildli actice	ONE asin, eath oopo to 2 fe fri s.	E 61 In the American Butte Basin, Colusa ler River/Sutter Basin eratively enhance at 5% of the ERP target endly agricultural			PROJECTS REVIEWED - ERP-97-E01, ERP-98-F01, ERP-99-B27, ERP-01-N28, ERP-02-P26		SUMMA Conserv awarene fish con: approac increase improve the Ame River/Su percenta practice	NRY Sev ration For ess of the servation th is appared water ro- ments wit erican Rive utter Basin age of the s have be	veral proje um Progra positive re and agrice rent. Side eliability d h concom er Basin, f n EMZs, a ERP targ en coope	ects, notat am provide elationship ulture, but benefits ue to scree itant bene Butte Basi very sma et for wild ratively er	oly the Sacra e for increas to between w no single pr to agriculture eening and fi efits to the re in, Colusa Ba II unquantifie life friendly a hanced.	amento River ed public vildlife and rogram wide e are sh passage esource. In asin, Feather ed agricultural			AGENCY NOTES	NOTES CONT'D
			MULTI SPECIE	S CONSERV	ATION STRATEGY	/ MILESTO	NE 61	EVA	LUATIO	IN OF IN	NDIVIDU	JAL PROJ	IECTS RE\	/IEWE	ED TO FORMULATE	THE ROLLED UP SUM	MARY
MS Number	REGION	Project Type	Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT NUMBERS	CONT START DATE	RACT END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comme	nts
	SAC	-	In the American River Basin, Butte Basin, Colusa Basin, Feather River/Sutter Basin EMZs, cooperatively enhance at least 15 to 25% of the ERP target for wildlife friendly agricultural practices.	American River Basin: Enhance 20,948 acres of private agricultural land to better support nesting and wintering waterfowl consistent with the objectives of Centra Valley Habitat Joint Venture and the North American Waterfowl Management Plan	61 A. Status of enhancing wildlife friendly agricultural practices program in the American River Basin												
8	SAC	-		Butte Basin: Cooperatively manage 108,832 acres	61 B. Status of enhancing wildlife friendly agricultural practices program in the Butte Basin	FRP-97-F01	Mar-98	.lun-99	422 830	0 0	422 830	Big Chico Creek Watershed Alliance	Joe Karkoski		Watershed Plan, Big Chico Creek	This project will evaluate and develop Creek. Tasks include assessment of flow and sediment transport, identific the development of a watershed man restoration, protection, and manage habitat in the Butte Basin (EMZ). project completed. AFRP and DWR ladder	b a watershed plan for Big Chico existing conditions, modeling of ation of issues and conflicts, and agement strategy. Contributes to ment of riparian and floodplain Paul Ward, DFG. Planning; R funded the design of the fish s.
61	SAC	-			61 B. Status of enhancing wildlife friendly agricultural practices program in the Butte Basin	ERP-97-E02	Jan-98	Dec-99	199.554		199.554	California State University, Chico	Donald		Deer Creek Watershed Management/Implementation Program	This project will evaluate and deve Creek. Tasks include assessment of flow and sediment transport, identific the development of a watershed man the restoration, protection, and manay habitat in the Butte Basin (EMZ) Implement water management program. Implementation	lop a watershed plan for Deer existing conditions, modeling of ation of issues and conflicts, and agement strategy. Contributes to gement of riparian and floodplain . Patricia Bratcher, DFG. strategy and water quality n; project completed.

34	61	61	61	MS Number
SAC	SAC	SAC	SAC	REGION
T	Н	н	н	Project Type
				Milestone
Feather River/Sutter Basin: Cooperatively manage 57,578 acres of agricultural lands consistent with the objectives of the Central Valley Habitat Joint Venture and the North American Waterfowl Management Plan	Colusa Basin: Cooperatively manage 111,285 acres of agricultural Land			ERP Targets taken from ERPP Vol 2
61 D. Status of enhancing wildlife friendly agricultural practices program in the Feather River/Sutter Basin	61 C. Status of enhancing wildlife friendly agricultural practices program in the Colusa Basin	61 B. Status of enhancing wildlife friendly agricultural practices program in the Butte Basin	61 B. Status of enhancing wildlife friendly agricultural practices program in the Butte Basin	MS Components or Questions for field personnel
ERP-01-N28	ERP-99-B27	ERP- 02-P26	ERP-98-F01	ERP PROJECT NUMBERS
Oct-01	Oct-99		Sep-98	CONT START DATE
Oct-04	Mar-03		Dec-01	RACT END DATE
541.747	13,000	4,700,000	302,745	CALFED Award
0	7,686	0	0	Cost Share
541.747	20,686	4,700,000	302,745	Total Project Cost
CDWR	Colusa County Resource Conservation District	The Nature Conservancy	CSU Chico	Applicant
Burt Bundy	Patti Ann Turner	Jake Jacobson	Donald Holtgrieve	Principal Investigator
				Quantifiable Units
Sacramento River Conservation Area Program	Watershed Educational Training	Mill and Deer Creeks Protection and Stewardship	The Butte Creek Watershed Educational Workshops and Field Tours Series	Project Name
The project involves hiring a manager and office staff for a three-year period to assist in the development and implementation of site-specific plans for areas with in the Sacramento River Riparian Conservation Area, and to manage a new nonprofit riparian land management entity that will coordinate activities and continue building broader support and understanding of the goals of the SB 1086 program. Burt Bundy, Sacramento River Conservation Area Forum. Planning; project completed. The project provided funding to continue the efforts of the Sacramento River Conservation Area Program to act as a coordinating body between local, state, and federal agencies regarding restoration activities in the Sacramento River watershed.	Contributes to monitoring and restoration efforts along the Colusa Basin. The Watershed Educational Training (WET) project revolves around the use of EnviroScape interactive watershed models to teach the importance of how the public's actions can have both positive and adverse effects on the watershed ecosystem. Patti A. Turner , Colusa County Resource Conservation District. Educational; project completed. Colusa County Resource Conservation District funded an educational project on Best Management Practices for Non Point Source Pollution.	Enhancing (protecting) wildlife friendly agricultural practices on Mill Creek and Deer Creek in the Butte Basin. 36,000 acres. Acquisition; project not complete, 1 property will close in June.	Contributes to restoration efforts along Butte Creek. The project tasks: 1) Hire the Butte Creek Watershed Coordinator Assistant; 2) Develop the Butte Creek Watershed Education Project; 3) Conduct Butte Creek Watershed Road Survey (identifying sediment problems); 4) Implement the Riparian Education and Geomorphology Analysis of Butte Creek. Paul Ward, DFG. Conduct a road survey that monitors erosion and sedimentation. Train field personnel and maintain data base. Implementation; project completed.	Comments

MULTI SPECIE	CONSERVATION STRATEGY MILESTONE 62 ROLLED) UP SUMMARY	
 MILESTONE 62 Develop and implement a program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within each of the following Ecological Management Zones: American River Basin, Noth Sacramento Valley, Sacramento River, and Yolo Basin. While restoring habitat conditions in the American River EMZ, maintain continuous corridors of suitable riparian habitat for valley elderberry longhorn beetle. Protect existing known occurrences of northern California black walnut native stands through conservation easement or purchase. Identify at least 3 protected and managed sites for introduction and monitor for success. Population creation should be part of a broader effort to restore riparian areas which historically contained walnut. 	- ERP-95-M01, M12, ERP-96 -96-M25, ERP- 05-M25, ERP- 05-M	AGENCY NOTES d	NOTES CONT'D
MULTI SPECIES CONSERVATION STRATEGY MILES	ONE 62 EVALUATION OF INDIVIDUAL PROJECTS REV	VIEWED TO FORMULATE THE ROLLED UP SUMMA	.RY

MS Number	REGION	Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT NUMBERS	CONTRA START DATE	END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comments
52	sac	Develop and implement a program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within each of the following Ecological Management Zones: American River Basin, Butte Basin, Colusa Basin, Cutonwood Creek, Feather River/Sutter Basin, North Sacramento Valley, Sacramento River, and Yolo Basin. While restoring habitat conditions in the American River EMZ, maintain continuous corridors of suitable riparian habitat for valley elderberry longhorn beetle.		62A. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the American River EMZ (American Basin, Lower American River)	ERP-97-N05	Mar-99	Jun-00	222.530	0	222.530	Placer County Planning Department	Loren Clark		Auburn Ravine/Coon Creek Restoration Planning	Develop a plan with major emphasis on protection and restoration of riparian and aquatic habitats. John Nelson, Department of Fish and Game. Planning; project completed.

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qun	z	ct Ty		MS Co	omponents or									tifiab		
z s	EGIO	oje		ERP Targets taken Quest	tions for field	ERP PROJECT		END	CALFED		Total		Principal	uant		
Σ	R	ā	Milestone	from ERPP Vol 2 pe	personnel	NUMBERS	START DATE	DATE	Award	Cost Share	Project Cost	t Applicant	Investigator	σΞ	Project Name	Comments
				establish, re	estore, and										Management Plan for the Lower	resolve critical scientific issues, coordinator activities and plans amo
				maintain ripa	parian habitat to										American River	various agencies and stakeholder forums, and guide broad
				improve floo salmonid sh	odplain habitat, haded riverine											Plan (RCMP): 2) Identify fisheries and aquatic habitat restoration
				aquatic habi	pitat, and instream											needs and priorities; 3) involve developing an integrated riparian
				cover along	g at least one											vegetation and preventive erosion control program, a master plan for
				River EMZ ((American Basin,											relocation program for the LAR. John Nelson, DFG. Planning.
				Lower Amer	erican River)											Project completed.
												Sacramento				
												City-County				
												Office of				
												Water				
	Ŷ											Planning	Susan			
62	ŝ	Т	Protect existing known	62B Status	s of program to	ERP-99-N21	Apr-01	Apr-02	250,000	550,000	800,000	(Water Forum)	Davidson		Watershed Plan, Big Chico Creek	This project will evaluate and develop a watershed plan for Big Chico
			occurrences of northern	establish, re	estore, and										Wateronica Flan, Big Onico Orcek	Creek. Tasks include assessment of existing conditions, modeling of
			California black walnut native	maintain ripa	parian habitat to											flow and sediment transport, identification of issues and conflicts, and
			easement or purchase.	salmonid sha	haded riverine											the development of a watershed management strategy. Contributes to the process of restoration, protection, and management of riparian and
				aquatic habi	pitat, and instream											floodplain habitat in the Butte Basin (EMZ). Paul Ward DFG.
				cover along tributary with	g at least one thin the Butte Basin											Planning; project completed. AFRP and DWR funded the design of the fish ladders
				EMZ (Payne	es Creek, Antelope							Dia Chiao				
				Creek, Mill C Big Chico C	Creek, Deer Creek,							Creek				
	Ş			Butte Sink	Sieek, Dulle Cieek,							Watershed				
62	ŝ	т		62B Status	s of program to	ERP-97-E01	Mar-98	Jun-99	422,830	0	422,830	Alliance	Joe Karkoski		Deer Creek Watershed	This project will evaluate and develop a watershed plan for Deer
				establish, re	estore, and										Management/Implementation Program	Creek. Tasks include assessment of existing conditions, modeling of
				maintain ripa	parian habitat to											flow and sediment transport, identification of issues and conflicts, and
				salmonid sha	haded riverine											the process of restoration, protection, and management of riparian and
				aquatic habi	pitat, and instream											floodplain habitat in the Butte Basin (EMZ). Patricia Bratcher, DFG
				cover along tributary with	g at least one thin the Butte Basin											Implement water management strategy and water quality program. Implementation: project completed.
				EMZ (Payne	ies Creek, Antelope											
				Creek, Mill C Big Chico Ci	Creek, Deer Creek, Creek, Butte Creek							California State				
~	AC			Butte Sink		FDD 07 F00		D 00	100 551	0	100 551	University,	Donald			
9	ŝ	Т	Identify at least 3 protected	62B. Status	s of program to	ERP-97-E02	Jan-98	Dec-99	199,554	U	199,554	UNICO	Hoitgrieve		Butte Creek Acauisition	Project will purchase a 90+ acre parcel with approx 4.000 feet of creek
1			and managed sites for	establish, re	estore, and											frontage. Paul Ward DFG. Planning; project completed.
1			introduction of additional	maintain ripa	parian habitat to											
	1		California black walnut; begin	salmonid sh	haded riverine											
1			introduction and monitor for	aquatic habi	bitat, and instream											
	1		success. Population creation should be part of a broader	cover along tributarv with	thin the Butte Basin											
	1		effort to restore riparian areas	EMZ (Payne	es Creek, Antelope											
1			which historically contained	Creek, Mill C Big Chico O	Creek, Deer Creek, Creek, Butte Creek											
~	AC			Butte Sink	c.con, Datte Oreek,		No. 00	0-1-00	407 100	057.444	444 500	0011.05	Leure Lulu			
6	ŝ	н				EKP-9/-N06	Nov-98	Uct-99	187,128	257,441	444,569	CSU Chico	Laura Lukes	1		

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MS Numbe	REGION	Project Ty	Milestone	ERP Targets taker	MS Components or Questions for field	ERP PROJECT	START DATE		CALFED	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiab Units	Project Name	Comments
					62B. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the Butte Basin										The Butte Creek Watershed Educational Workshops and Field Tours Series	Contributes to restoration efforts along Butte Cree 1) Hire the Butte Creek Watershed Coordinator the Butte Creek Watershed Education Project; 3 Watershed Road Survey (identifying sedim Implement the Riparian Education and Geomo Butte Creek. Paul Ward, DFG. Conduct a monitors erosion and sedimentation. Train maintain data base. Implementation: par
62	SAC	т			EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek, Big Chico Creek, Butte Creek, Butte Sink 62B. Status of program to	ERP-98-F01	Sep-98	Dec-01	302,745	0	302,745	CSU Chico	Donald Holtgrieve		Butte Creek Acquisition and Riparian	This contract is for matching funds only towards
62	SAC	I			establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the Butte Basin EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek, Big Chico Creek, Butte Creek, Butte Sink	ERP-98-F03	Sep-99	n/a	125,000	422,068	547,068	CSU Chico	Donald Holtgrieve, Dept of Geography and Planning; Laura Lukes Project Manager	;	Restoration	McAmis Property with approximately 4000 ft of restoration project will develop methods of cha management, and development of a riparian cc DFG. Purchase 80 acres; 4,000 feet of creek Creek. Implementation; project co
	SAC				62B. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the Butte Basin EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek, Big Chico Creek, Butte Creek, Butte Sink	AFRP-00-11						AFRP	Tricia Parker USFWS		Acquire a riparian easement on the Hidden Marina Resort property at the confluence of Mill Creek and the Sacramento River	Objective: To protect riparian land for fish and w long-term sustainability of natural production populations, in particular spring-run Chinook s and To support local community efforts toward enhancement. <i>Likely for funding</i> a
	AC 2				62B. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the Butte Basin EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek, Big Chico Creek, Butte Creek, Butte Sink	AEDD 00 12			08.228		06.228	AEDD	Tricia Parker		Provide preliminary engineering and environmental documents for several erosion control projects in the upper watershed	This project will initiate the implementation of se restoring the aquatic and riparian habitat crucia salmon and other anadromous fish in Deer (Prepare preliminary engineering reports;(2) pr prepare environmental documentation; (4) con This project is closed. The erosion sites we landowners (Forest Service and Collins Pine solutions for each of the problems (e.g. cuh low water crossings) with staff from Chico Meadowbrook Consulting Firm. They ident environmental documentation and permits project implementation
63	AC SA	<u> </u>			62B. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the Butte Basin EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek, Big Chico Creek, Butte Creek, Butte Sink	AFRP-00-13	Dec.98	Sep.00	76.348		76.348	AFRP	Donald Holtgrieve, Dept of Geography and Planning		Butte Creek Riparian Restoration Demonstration	This project will establish riparian restoration (DFG. Close off all unauthorized vehicle a water quality, revegetation areas and wi Implementation; project completed. The funded a spring-run chinook sain

62	62	62	62	62	MS Number
SAC	SAC	SAC	SAC	SAC	REGION
Т	Т	т	I	Т	Project Type
					Milestone
					ERP Targets taken from ERPP Vol 2
62B. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the Butte Basin EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek, Big Chico Creek, Butte Creek, Butte Sink	62B. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the Butte Basin EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek, Big Chico Creek, Butte Creek, Butte Sink	62B. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the Butte Basin EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek, Big Chico Creek, Butte Creek, Butte Sink	62B. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the Butte Basin EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek, Big Chico Creek, Butte Creek, Butte Sink	62B. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the Butte Basin EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek, Big Chico Creek, Butte Creek, Butte Sink	MS Components or Questions for field personnel
ERP-98-C18	ERP- 02-P26	ERP-02-P16-D	ERP-00-F11	ERP-01-N26	ERP PROJECT NUMBERS
Dec-98			Mar-01	Oct-01	CONTRA START DATE
Nov-01			Mar-06	Oct-04	END DATE
24,000	4,700,000	2,603,377	1,063,600	849,845	CALFED Award
0	0		None	0	Cost Share
24,000	4,700,000	2,603,377	1,063,600	849,845	Total Project Cost
CDWR	The Nature Conservancy	The Nature Conservancy	Sonoma Ecology Center	United States Department of Agriculture Forest Service, Lassen National Forest (LNF)	Applicant
Derrick Adachi	Jake Jacobson	Sam Lawson	Richard Dale	Russ Volke	Principal Investigator
					Quantifiable Units
HAZMAT Review for ERP Land Acquisitions	Mill and Deer Creeks Protection and Stewardship	Restoration of the Confluence Area of the Sacramento River, Big Chico and Mud Creeks	Arundo donax Eradication and Coordination	Lassen National Forest Watershed Stewardship Within the Anadromous Watersheds of Butte, Deer, and Mill Creeks	Project Name
DWR will oversee or evaluate the work of outside consultants and contractors to ensure the all applicable regulatory requirements and standard operating procedures for environmental site assessments and remedial actions are complied with. DWR will also provide or conduct environmental site assessment activities. Derrick Adachi, DWR. Planning. Project completed.	Enhancing (protecting) wildlife friendly agricultural practices program on Mill Creek and Deer Creek in the Butte Basin. 36,000 acres. <i>Acquisition; project not complete, 1 property will close in June.</i>	Protect and restore 311 acres of flood-prone land located within the Sacramento River Conservation Area at the confluence of the Sacramento River, Big Chico and Mud Creeks at river miles 194-195. <i>Cathy Morris, The Nature Conservancy. Acquisition; just</i> <i>beginning.</i>	This project will direct funds to eradication partners in six watersheds (Putah Creek, Big Chico Creek, Sonoma Creek, Walnut Creek, Napa River, and San Francisquito Creek) that are prepared to immediately carry out Arundo eradication (an invasive non-native plant) throughout the Bay-Delta and the Sacramento-San Joaquin watersheds. <i>Kim</i> <i>Webb, USFWS. Implementation; project not completed. This</i> <i>project will direct eradication funds for on-the-ground</i> <i>eradication of Arundo, the state's most invasive riparian weed, to</i> <i>eradication partners in six watersheds, including Big Chico</i> <i>Creek.</i>	The LNF watershed stewardship project includes three watershed- based restoration tasks within the anadromous watersheds of Deer, Mill, and Butte Creeks. Tasks 1a and 2a include 44 extensive sediment reduction projects in Deer and Mill Creek watersheds. Additional proposed activities include Colby Creek Meadow condition survey; followed by the implementation of meadow restoration demonstration projects, installation of interpretive displays at seven recreation areas along Deer and Mill Creeks, a campground education program at Potato Patch campground, a summer patrol of the spring- run chinook salmon spawning areas in Deer Creek, and the establishment of Watershed Stewardship education programs at Chester Elementary and High Schools. Ken Roby,USFWS. Implementation of various restoration projects on Butte, Deer, and Mill Creeks; 66 percent complete.	Comments
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				ERP Targets taken from ERPP Vol 2	
improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the Butte Basin EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek, Big Chico Creek, Butte Creek, Butte Sink	tributary within the Butte Basin EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek, Big Chico Creek, Butte Creek, Butte Sink 62B. Status of program to establish, restore, and maintain riparian habitat to	62B. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one	62B. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the Butte Basin EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek, Big Chico Creek, Butte Creek, Butte Sink	MS Components or Questions for field personnel	
AFRP-00-14	AFRP-00-02		ERP-96-M24	ERP PROJECT NUMBERS	
			Mar-97	CONTRA START DATE	
			Apr-98	CT END DATE	
500.000	69,000		83,100	CALFED Award	
3 200 000			83,100	Cost Share	
3 700 000	69,000		166,200	Total Project Cost	
AFRP	AFRP		California State University Chico	Applicant	
John Icanberry USEWS	Tricia Parker USFWS		Jeff Wright	Principal Investigator	
	2.7 miles riparian habitat			Quantifiable Units	
	Acquire Simmons Ranch on Big Chico Creek	Protect riparian habitat on the Leininger property on Deer Creek	Butte Creek Watershed Management Plan	Project Name	
The Simmon's Ranch acquisition would protect 2.5 miles or half of the spring-run holding habitat on Big Chico Creek. During the week of August 7, 2000, The River Conservancy, a program of River Network, an Oregon-based conservation group, closed the purchase of this property from private owners, and at the same time sold it to the University's Research Foundation. The Foundation will own and manage the ranch as a nature preserve that will provide educational and research opportunities for students.	This project seeks the initial funding to acquire a 2,724-acre site in the Big Chico Creek watershed known as the Simmon's Ranch. Big Chico Creek is one of only four streams in the Secrement Valley that	Objective: Exclude cattle year-round from the riparian zone to protect existing or recently planted riparian vegetation from grazing and trampling. Contract completed 8/2000 between FWS (AFRP) and The Nature Conservancy.	Paul Ward, DFG. Project completed, Planning	Comments	

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	ž		Milestone	from ERPP Vol 2	personnel	NUMBERS	START DATE	DATE	Award	Cost Share	Project Cost	Applicant	Investigator	ð 5	Project Name	Comments
					62B. Status of program to										Acquire the Singh property of Big	The Singh property is 40.4 acres located west of Mud Creek, north of
					establish, restore, and										Спісо Стеек	the Bidwell-Sacramento River State Park and adjacent to the
					improve floodplain habitat											biological and environmental surveys implement interim restoration
					salmonid shaded riverine											and start up stewardship actions and develop a long term restoration
					aquatic habitat, and instream											and management plan prior to acquisition by The Nature Conservancy.
					cover along at least one											Contract was signed 8/2000 between FWS (AFRP) and The Nature
					tributary within the Butte Basin											Conservancy. INC staff, Ayres Associates and CSU Chico
					Creek, Mill Creek, Deer Creek.											collection, a baseline assessment, and hydraulic modeling of the
					Big Chico Creek, Butte Creek,											general area of the Singh, Mendonca, and Nicolas tracts between
					Butte Sink											Mud Creek and the Sacramento River, and the Nock tract
																between Mud Creek and Big Chico Creek. These studies are
																Chico Landing Sub-Reach Study that TNC is conducting as a
																portion of its obligations under CalFed Grant # 97-NO2.
													John			
Ι.		AC							50.000	050.000	000.000	4500	Icanberry			
	6	<i>ა</i> :	I		62P. Status of program to	AFRP-00-16			50,000	250,000	300,000	AFRP	USEWS		Acquire the Neek property on Pig	The Neek property is 125.2 acres leasted at the confluence of Mud
					establish, restore, and										Chico Creek	and Big Chico Creeks near the Sacramento River in Butte County. Ca.
					maintain riparian habitat to											The protection and restoration of the Nock property will help create
					improve floodplain habitat,											more complex and continuous shoreline vegetation, increase available
					salmonid shaded riverine											woody debris, and broaden the riparian buffer providing improved
					aquatic habitat, and instream											refugia for juvenile fish. The anticipated long term ecological benefits
					tributary within the Butte Basin											of the meanderbelt and associated floodplain of the Sacramento River.
					EMZ (Paynes Creek, Antelope											Objective: Conduct baseline biological and environmental surveys,
					Creek, Mill Creek, Deer Creek,											implement interim restoration and start up stewardship actions and
					Big Chico Creek, Butte Creek,											develop a long term restoration and management plan prior to
					Bulle Sirik								John			in FY2000.
	2	ğ.	-			AFRP-00-15						AFRP	USEWS			
-			-		62B. Status of program to										Deer and Mill Creek Acquisition and	Project will identify willing sellers, complete appraisals, and acquire at
					establish, restore, and										Enhancement	least one parcel. Jake Jacobsen, The Nature Conservancy.
					maintain riparian habitat to											Implementation; 35 percent complete. Some land has been
					Improve floodplain habitat,											purchased. Acquire and restore 2,500 acres for a conservation
					aquatic habitat, and instream											will help fund this project.
					cover along at least one											
					tributary within the Butte Basin											
					EMZ (Paynes Creek, Antelope											
					Big Chico Creek, Butte Creek											
		Q Q			Butte Sink							The Nature				
	8	ż :	I		000. Otatus of an orașe ta	ERP-98-F20	Aug-99	Dec-02	1,000,000	0	1,000,000	Conservancy	Peggy McNut	t	Oceanomento Diver Meruden	Design to all second and the store to all sectors to all sectors
					establish restore and										Sacramento River Meander Restoration	habitat Rvan Luster. The Nature Conservancy Implementation:
					maintain riparian habitat to										1 Coloration	10 was restored to riparian habitat. 600 acres were reconnected
					improve floodplain habitat,											to the Sacramento River Floodplain. Project completed.
					salmonid shaded riverine											
					aquatic habitat, and instream											
					tributary within the Coluse											
					Basin EMZ (Stoney Creek,											
1.	, .	AC			Elder Creek, Thomes Creek,		Eat 00	Eat 04	000 700	•	000 700	The Nature	Meghan			
F	o (si I	<u> </u>		Colusa Basin) 62C. Status of program to	ERP-97-NU4	FeD-98	rep-01	898,700	U	898,700	Conservancy	wazzoni		HAZMAT Review for ERP Land	DWR will oversee or evaluate the work of outside consultants and
1					establish, restore, and										Acquisitions	contractors to ensure the all applicable regulatory requirements and
1					maintain riparian habitat to											standard operating procedures for environmental site assessments
1					improve floodplain habitat,											and remedial actions are complied with. DWR will also provide or
					salmonid shaded riverine											conduct environmental site assessment activities. Derrick Adachi,
					cover along at least one											Dwk. Flanning. Project completed.
					tributary within the Colusa											
					Basin EMZ (Stoney Creek,								D 2 11			
	, I	S	_		Elder Creek, Thomes Creek,	FRP-08-C19		Nov 01	24 000	n	24 000	CDWP	Adachi			
		0) 2	- I	1	Lolusa Basin)	LIN -30-010	Dec-90	1007-01	24,000		24,000	ODWIN	Audum	1	1	

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					Milestone
					ERP Targets taken from ERPP Vol 2
establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the Cottonwood Creek EMZ (Upper Cottonwood Creek, Lower Cottonwood Creek)	62C. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the Colusa Basin EMZ (Stoney Creek, Elder Creek, Thomes Creek, Colusa Basin) 62D. Status of program to	62C. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the Colusa Basin EMZ (Stoney Creek, Elder Creek, Thomes Creek, Colusa Basin)	62C. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the Colusa Basin EMZ (Stoney Creek, Elder Creek, Thomes Creek, Colusa Basin)	62C. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the Colusa Basin EMZ (Stoney Creek, Elder Creek, Thomes Creek, Colusa Basin)	MS Components or Questions for field personnel
ERP-97-N07	ERP-99-B27	AFRP-00-01	ERP-01-N04	ERP-99-N14	ERP PROJECT NUMBERS
Jul-98	Oct-99		Sep-01	Jun-01	CONTRA START DATE
Nov-02	3/9/03		Dec-06	May-04	END DATE
61,000	13,000	52,000	539,835	492,500	CALFED Award
10,000	7,686		0	191,000	Cost Share
71,000	20,686	52,000	539,835	683,500	Total Project Cost
Graham Matthews and Associates	Colusa County Resource Conservation District	AFRP	CSU Chico	Colusa Resource Conservation District	Applicant
Graham Matthews	Patti Ann Turner		Richard Holman; Kristin Carter	Christopher Rose	Principal Investigator
					Quantifiable Units
Restoration Planning	Watershed Educational Training	Study the feasibility of restoring floodplain and riparian processes at the La Barranca Unit of the Sacramento River National Wildlife Refuge	Survey and Eradication of Arundo donax	Colusa Basin Watershed Project	Project Name
Patricia Bratcher, DFG. Conduct geomorphic analysis, hydrologic analysis and survey sites. Planning/ Implementation; project completed.	Contributes to monitoring and restoration efforts along the Colusa Basin. The Watershed Educational Training (WET) project revolves around the use of EviroScape interactive watershed models to teach the importance of how the public's actions can have both positive and adverse effects on the watershed ecosystem. Patti A. Turner, Colusa County Resource Conservation District. Educational; project completed.	Objective: Determine the feasibility of eliminating a source of fish mortality resulting from past gravel mining operations at the site and to restore riparian processes lost to the existing levee system. The field work is complete and the final report is complete (10-02).	Restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along Elder Creek within the Colusa Basin EMZ. Full eradication of <i>Arundo</i> <i>donax</i> and <i>Tamarix</i> on Deer and Brickyard Creek and the start of eradication work on Red Bank Creek. <i>Project not completed</i> . <i>Implementation. Herbicide full coverage on all of the Arundo in</i> <i>Reeds Creek and covered over a hundred acres on Red Bank.</i> <i>After the plants were treated with herbicide they were able to</i> <i>remove all of the Arundo from Reeds Creek and used new flail</i> <i>mower to mulch a good portion of the treated Tamarisk in the</i> <i>channel of Red Bank. Riparian habitats, in progress.</i>	Contributes to monitoring and restoration efforts along the Colusa Basin (600,000 acres). The Colusa Basin Drain Watershed project will serve as a project that assists private landowners in addressing non- point source pollution, flood control issues, exotic invasive weeds, and reactivating important ecological processes and functions of riparian corridors. The project will consist of 6 to 12 selected sites, which will implement riparian enhancement and other restoration practices. Patti A. Turner, Colusa County Resource Conservation District. Implementation; 75 percent complete. Six sites are done. Monitoring and restoration of 600,000 acres. Land owners, NCRS, and Colusa Basin Drainage funded restoration projects.	Comments

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		EGIO		ERP Targets taken	Questions for field	ERP PROJECT		END	CALFED	Cost Share	Total Broject Cost	Applicant	Principal	Duant	Project Nome	Commente
-	-		IL Milestone		62D. Status of program to	NUMBERS	START DATE	DATE	Awaru	COSt Share	Project Cost	Аррисан	investigator	20	Cottonwood Creek Watershed Group	This project will: 1) Identify and organize the landowners to work
					establish, restore, and maintain riparian habitat to										Formation	public land management agencies, interested parties and resour managers to form consensus on issues and their importance: 2
					improve floodplain habitat,											Coordinate with resources managers which have studied regiona
					aquatic habitat, and instream											Research previous studies within the Cottonwood Creek watershe
					cover along at least one											Contributes to the process of restoration, protection, and management
					Creek EMZ (Upper											Patricia Bratcher, DFG. Implement watershed stewardship pla
					Cottonwood Creek, Lower											for Cottonwood Creek. Implementation; project completed.
					Collonwood Creek)							Cottonwood				
		ы										Watershed	Vieva			
	20	SA :	I			ERP-98-E05	Oct-98	Dec-01	161,000	0	161,000	Group	Swearingen			
					establish, restore, and										Monitoring and Assessment	(CCWG) to oversee the implementation of a watershed plan. This
					maintain riparian habitat to											phase would assess current conditions in the watershed (930 sq
					salmonid shaded riverine											future projects. <i>Patricia Bratcher,DFG. Monitoring and</i>
					aquatic habitat, and instream											Assessment; project completed.
					tributary within the Cottonwood							Cottonwood				
					Creek EMZ (Upper Cottonwood Creek, Lower							Creek Watershed	Vieva			
	70	SAC	I		Cottonwood Creek)	ERP-00-E03	Oct-00	Dec-05	443,047	0	443,047	Group	Swearingen			
					62 E. Status of program to establish, restore, and										Yuba Watershed Council: Collaborative Approach	Project is to request funding for a watershed coordinator position, including the materials, equipment, and office space necessary to
					maintain riparian habitat to											administer and coordinate the efforts of the Yuba Watershed Counc
					improve floodplain habitat, salmonid shaded riverine											I he role of the watershed coordinator is to provide coordination and assistance, adaptive management and monitoring, education and
					aquatic habitat, and instream							Yuba Watershed	Ron			outreach, and continuity and program oversight of current and future
					tributary within the Feather							Council/Nevad	Zinke;Cara			milestones. John Van Derveen, Yuba Watershed Council.
					River/Sutter Basin EMZ							a County Resource	also John			Implementation. Project completed.
		PC AC	_		Bear River, Honcut Creek,	EBD 00 N17	hum 00	lun 02	140.010	0	140.610	Conservation	Van Der			
_		s :	I		62 E. Status of program to	ERF-99-N17	Jun-00	Jun-03	142,010	0	142,010	District	veen		Development of an Implementation	Plan did not talk about riparian habitat restoration but did talk about
					establish, restore, and										Plan for Lower Yuba River	restoration in general. Ian Drury, DFG. Implementation. Project
					improve floodplain habitat,											is 13% completed.
					salmonid shaded riverine											
					cover along at least one											
					tributary within the Feather River/Sutter Basin EMZ											
		0			(Feather River, Yuba River,							Surface Water	Paul M.			
	20	SAC	т		Bear River, Honcut Creek, Sutter Bypass)	ERP-99-B09	Oct-01	Sep-03	171,100	50,000	221,100	Resources Inc.	Bratovich			
					62 E. Status of program to establish, restore, and										Yuba Feather Work Group	Restoration of riparian habitat. Ian Drury, DFG. Planning; 30 percent complete. Yuba County Water Agency funded the Yuba
1					maintain riparian habitat to											River Salmon Carcass Survey. YWCA and PG&E funded
1					improve floodplain habitat, salmonid shaded riverine											Hallwood/ Cordura Fish Screens. YWCA, PG&E, and Tracy Mitigation funded Browns Valley Fish Screens. DFG funded
1					aquatic habitat, and instream											Spring Run Salmon Counts/Passage @Dagerre Dam
					tributary within the Feather											
					River/Sutter Basin EMZ							South Yuba				
		AC			Bear River, Honcut Creek,	ERP_01 NR2	Dec 01	Aug 04	102 650	0	103 650	River Citizens	Janet Cohon			
	o i	ŝ	I		Sutter Rypass)	ERF-01-102	Dec-01	Aug-04	193,650	U	193,650	League	Janet Conen	ļ	ļ	<u> </u>

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					ERP Targets taken from ERPP Vol 2
62 F. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the North Sacramento Valley EMZ (Clear Creek, Battle Creek) Bear Creek, Battle Creek)	62 F. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the North Sacramento Valley EMZ (Clear Creek, Battle Creek) Bear Creek, Battle Creek)	62 F. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the North Sacramento Valley EMZ (Clear Creek, Battle Creek) Bear Creek, Battle Creek)	62 F. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the North Sacramento Valley EMZ (Clear Creek, Battle Creek), Bear Creek, Battle Creek)	62 F. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the North Sacramento Valley EMZ (Clear Creek, Cow Creek, Bear Creek, Battle Creek)	MS Components or Questions for field personnel
ERP-98-E15	ERP-98-E06	ERP-96-M25	ERP-96-M12	ERP-95-M01	ERP PROJECT NUMBERS
Oct-98	Jan-98	May-97	Jul-97	?	CONTRA START DATE
May-01	Dec-99	Oct-99	Apr-99	?	END DATE
23,828	145,000	50,000	306,000	0.00?	CALFED Award
0	0	50,000	reduced 76,000	500,000	Cost Share
23,828	145,000	100,000	230,000	500,000	Total Project Cost
Sacramento Watersheds Action Group	Battle Creek Watershed Conservancy	Western Shasta Resource Conservation District	CDFG	John (PGE) , Harry (DFG)	Applicant
John McCullah	Donald Holtgrieve	Richard Baumann	Harry Rectenwald	John Sandoffner; Harry Rectenwald	Principal Investigator
				2 miles	Quantifiable Units
Sulphur Creek Coordinated Watershed Management Plan Group	Battle Creek Watershed Stewardship	Battle Creek Watershed Management Strategy Project	Battle Creek Chinook Salmon and Steelhead Restoration Study	Battle Creek Interm Flow Restoration	Project Name
Sulphur Creek CRMP will distribute the Watershed Analysis, develop community-based restoration objectives, pursue funding to implement projects identified in the Watershed Analysis, and enhance public awareness and education in fisheries and watershed issues. May contribute to various habitat restoration, protection, and management milestones for the North Sacramento Valley (EMZ), Clear Creek (EMU). John McCullah, Sacramento Watersheds Action Group. Planning / Education. Project completed.	This project will evaluate and develop a watershed plan for Battle Creek. Contributes to the process of restoration, protection, and management of riparian and floodplain habitat in the North Sacramento Valley (EMZ). <i>Education / Instruction; project</i> <i>completed. Harry Rectenwald, DFG</i>	Planning / Education; project completed. Harry Rectenwald, DFG.	Restore and maintain riparian habitat. <i>Planning; project completed.</i>	Restore and improve floodplain habitat. <i>Implementation; 50 percent complete. Ongoing due to amendments. Restore 2 miles of riparian habitat.</i>	Comments

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62 F. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the North Sacramento Valley EMZ (Clear Creek, Cow Creek, Bear Creek, Battle Creek)	62 F. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the North Sacramento Valley EMZ (Clear Creek, Cow Creek, Bear Creek, Battle Creek)	62 F. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the North Sacramento Valley EMZ (Clear Creek, Cow Creek, Bear Creek, Battle Creek)	62 F. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the North Sacramento Valley EMZ (Clear Creek, Cow Creek, Bear Creek, Battle Creek)	62 F. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the North Sacramento Valley EMZ (Clear Creek, Cow Creek, Bear Creek, Battle Creek)	MS Components or ERP Targets taken from ERPP Vol 2 personnel
ERP-01-N24	AFRP-00-10	IMM-02-I01	ERP-99-N16	ERP-98-F15	ERP PROJECT NUMBERS
Nov-01		Mar-03	Apr-00	Apr-99	CONTRA START DATE
Oct-04	Mar-02		Apr-02	Sep-01	END DATE
1,000,000	421,700	2,206,625	256,260	3 599 596	CALFED Award
0	310,000	0	0	500.000	Cost Share
1,000,000	731,700	2,206,625	256,260	4.099.596	Total Project Cost
The Nature Conservancy	AFRP	The Nature Conservancy	Western Shasta Resource Conservation District	Western Shasta Resource Conservation District	Applicant
Jake Jacobson	Tricia Parker USFWS	Jake Jacobson	Thomas T. Engstrom	Jeff Souza	Principal Investigator
	2.5 miles			3 miles	Quantifiable Units
Battle Creek Conservation Easements Acquisitions, Management, and Restoration Planning	Acquire a conservation easement on the Eagle Canyon Ranch (Pelton property) at the confluence of Digger Creek and the North Fork of Battle Creek	Battle Creek Protection and Stewardship	Clear Creek Prescription	Lower Clear Creek Floodway Restoration Project	Project Name
Assistance in the acquisition of conservation easements and initial stewardship and monitoring of three critical riparian properties, totaling approximately 3,000 acres, along the mainstream and the North and South Forks of Battle Creek. Project not complete. Acquisition. 1,511 acres have been placed in conservation easement. Just completing the stewardship and monitoring parts. Hopefully will secure future water rights. Negotiating 6,300 acres of riparian and upland habitat for a conservation easement along Pine Creek.	This project will fund the purchase of a conservation easement on approximately 990 acres along Digger Creek and the North Fork of Battle Creek. The Eagle Canyon Ranch (Pelton property) begins at the confluence of the North Fork and Digger Creek and includes approximately 2.5 miles of frontage on the south side of the North Fork and riparian water rights on Digger Creek. The Eagle Canyon Ranch (Pelton property) had previously been used as a sheep ranch, although new owners have reintroduced cattle. By purchasing a conservation easement on the property, The Nature Conservancy intends to protect a significant portion of winter-run and spring-run Chinook salmon spawning habitat in the North Fork from land use conversion and loss of riparian vegetation. Digger Creek also provides an additional source of cool waters for the North Fork. Project completed on 3/18/02	One of the project goals is to protect long-term sustainability of freshwater fish habitat that supports various life cycle stages of Pacific lamprey, chinook salmon and steelhead trout by purchasing conservation easements on over 6,800 acres of habitat lands. <i>Project</i> <i>not completed, still negotiating on properties. One property may</i> <i>close in fall. Acquisition.</i>	Establish, restore , and maintain habitat. Mary Shroeder, Western Shasta Resource Conservation District. Planning / Implementation; project completed. Implement watershed management prescription.	Phase II restoration activities: 1. Develop design documents for Phase 2 through 4. 2. Prepare CEQA/NEPA documents and environmental permits for Phase 2. 3. Recreate functional floodplain in the Mined Reach and the Reading Bar Ranch. 4. Mitigate wetland loss by creating off-channel wetlands at the Reading Bar Reach. 5. Reduce or eliminate juvenile and adult salmonid stranding by filling historic instream aggregate extraction pits to functional floodplain. 6. Restore riparian vegetation on reconstructed floodplain surfaces. 7. Remove exotic vegetation from Mined Reach and the Reading Bar Reach. 8. Develop and implement biological, geographic, and riparian monitoring plan. Mary Shroeder, Western Shasta Resource Conservation District. Planning / Implementation; project completed. Restore 3 miles (in 2 reaches) of stream channel and floodplain on public lands along Clear Creek	Comments

62	69	5		Me Number
SAC	SAC	SAC	SAC	REGION
н	н	T		Project Type
				Milestone
				ERP Targets taker from ERPP Vol 2
62 G. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the Sacramento River EMZ (Keswick to Red Bluff, Red Bluff to Chico Landing, Chico Landing to Colusa, Colusa to Verona, Verona to Sacramento)	62 G. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the Sacramento River EMZ (Keswick to Red Bluff, Red Bluff to Chico Landing, Chico Landing to Colusa, Colusa to Verona, Verona to Sacramento)	62 F. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the North Sacramento Valley EMZ (Clear Creek, Caw Creek, Bear Creek, Battle Creek)	62 F. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the North Sacramento Valley EMZ (Clear Creek, Cow Creek, Bear Creek, Battle Creek)	MS Components or Questions for field personnel
ERP-96-M16	ERP-96-M03	ERP-99-B01	AFRP-01-10	ERP PROJECT NUMBERS
Aug-97	Oct-98	Feb-99	2000 ?	CONTRA START DATE
Sep-98	Sep-99	Apr-01	9/30/02 ?	END DATE
1,450,200	500,000	26,958,100	299,606 ?	CALFED Award
0	500,000	23,550,900	75,000	Cost Share
1,450,200	1,000,000	50,509,000	224,606	Total Project Cost
California State University, Chico	Department of Water Resources	DFG and USBR	Battle Creek Watershed Conservancy (BCWC)	Applicant
Charles W. Nelson	Bob Nozuka	Harry Rectenwald or Mike Ryan	Sharon Paquin- Gilmore, Watershed Coordinator	Principal Investigator
				Quantifiable Units
Sacramento River & Major Tributaries Riparian Corridor Mapping Project	Sacramento River (Verona to Collinsville) Riparian Habitat Restoration (Phase 1 Feasibility)	Battle Creek Salmon and Steelhead Restoration Project	Battle Creek Watershed Stewardship, Phase 2	Project Name
Mapping of riparian vegetation along rivers and streams in the Sacramento Valley portions of Glenn, Sutter, Colusa, Yuba, Yolo, and Sacramento Counties. Contributes to the process of restoring the Sacramento River Basin (EMZ), protecting Inner River Zone areas between Red Bluff and Colusa reaches within identified the Sacramento River Conservation, restoration and protection of riparian habitat in the Sacramento River Basin (EMZ). Mapped riparian vegetation, open water, gravel bars, disturbed riparian, and invasive (Arundo, Tamarix, Rubus discolor) throughout the Sacramento River and major tributaries. Monitoring; project completed.	Restore shaded riverine aquatic habitat (SRA) along 20 miles of the Sacramento River from Collinsville to Verona. <i>Bob Nozuka, DWR.</i> <i>Planning/Feasability. The project is 75 percent complete.</i> <i>Feasibility phase is complete.</i>	Establish, restore and maintain existing habitat. <i>Planning and Design; 90 percent complete. Planning and design nearly done.</i>	BCWC proposes a project to do all of the following: 1) Complete an assessment of watershed conditions in the upper watershed and in the lands lying immediately upland of Battle Creek's Restoration Project reaches. 2) Implement, in close cooperation with the resource agencies and local schools, a watershed information system to support Restoration Project monitoring, assessment, and adaptive management. 3) Sustain implementation of the Battle Creek Watershed Strategy, through work in the schools and communities, with agencies and landowners, toward the complementary objectives of safeguarding the Battle Creek watershed's lightly- populated, agricultural lifestyle and protecting the public investment in the Battle Creek Salmon and Steelhead Restoration Project. Harry Rectenwald, DFG. Planning / Implementation; 50 percent complete. Project is ongoing.Watershed strategy is complete. Consevation easement planning is complete. Implement an information system for watershed.	Comments

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MS Number	REGION	d C L J J A Milestone	ERP Targets taker from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT NUMBERS	START DATE	END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiabl Units	Project Name	Comments
2	AC			62 G. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the Sacramento River EMZ (Keswick to Red Bluff, Red Bluff to Chico Landing, Chico Landing to Colusa, Colusa to Verona, Verona to		Dec 08	Nev 01	24.000	0	24.000	CDWR	Derrick		HAZMAT Review for ERP Land Acquisitions	DWR will oversee or evaluate the work of outside consultants and contractors to ensure the all applicable regulatory requirements and standard operating procedures for environmental site assessments and remedial actions are complied with. DWR will also provide or conduct environmental site assessment activities. <i>Derrick Adachi,</i> <i>DWR. Planning. Project completed.</i>
29	AC	<u>т</u>		Sacramento) 62 G. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the Sacramento River EMZ (Keswick to Red Bluff, Red Bluff to Chico Landing, Chico Landing to Colusa, Colusa to Verona, Verona to	ERP-98-C18	Dec-98	Nov-01	24,000	0	24,000	The Nature	Adachi		Floodplain Acquisition, Management, and Monitoring of the Sacramento River	Project will identify willing sellers on floodplain lands within the Sacramento River Conservation Area between Kewsick and Verona. Planning to restore all 288 acres to riparian floodplain habitat. Kathy Morse, The Nature Conservancy. Project completed, Acquisition/Planning
<u>.</u>	AC			Sacramento) 62 G. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the Sacramento River EMZ (Keswick to Red Bluff, Red Bluff to Chico Landing, Chico Landing to Colusa, Colusa to Verona, Verona to Sacramento)	EKP-98-F18	Mar-99	Sep-U1	1,000,000		1,000,000	Conservancy	Sam Lawson		Upper Sacramento River Restoration Planning	This project will provide for a restoration coordinator to guide the formalization of non-profit management entity and related restoration planning of the Upper Sacramento River Watershed. Tasks include hiring a coordinator, setting up organizational structure, oversight and agreements, developing and implementing public outreach, and developing a plan for Woodson Bridge and one other sub-reach. Contributes to the process of restoring the Sacramento River Basin (EMZ), protecting Inner River Zone areas between Red Bluff and Colusa reaches within identified the Sacramento River Conservation, restoration and protection of riparian habitat in the Sacramento River Basin (EMZ). <i>Planning; project completed. The project setup a non-profit management entity and for restoration planning of the Upper Sacramento River Watershed. The Army Corps of Engineers have taken over the planning and implementation for the Woodson Bridge restoration efforts.</i>
62	SA	<u>т</u>		62 G. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the Sacramento River EMZ (Keswick to Red Bluff, Red Bluff to Chico Landing, Chico Landing to Colusa, Colusa to Verona to	ERP-97-C03	8e-luL	Dec-00	200,000	0	200,000	CDWR TNC, USFWS, Wildlife	Stacy Cepello John Carlon, Gary Kramer, Scott		Sacramento River Floodplain Acquisition and Riparian Restoration	This project will acquire 1,500 acres in Ces or fee title that will include SRA, instream aquatic, riparian and riverine aquatic and compatibly managed agricultural lands. Acquired 1,084 acres for riparian restoration. Kathy Morse, The Nature Conservancy. Project completed, Acquisition
62	SAC		1	Sacramento)	ERP-97-N02	Feb-98	Feb-01 ?	9,879,800	5,257,000	15,136,800	Board	Clemons			

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VS N	EG	roje	Milostono	ERP Targets taker	n Questions for field	ERP PROJECT	START DATE		CALFED	Cost Sharo	Total Project Cost	Applicant	Principal	Duar	Project Name	Commonte
			Milestone		62 G. Status of program to	NOWIBERS	START DATE	DATE	Awaru	COSt Share	FIUJECI CUSI	Applicant	Investigator	0 5	Sacramento River-Active Restoration	Will restore 200 acres of flood-prone agricult
					establish, restore, and										of Riparian Forest	riparian forest along the Sacramento River. Ry
					maintain riparian habitat to											Conservancy. Implementation; 204 acres
					salmonid shaded riverine											nparian nabitat, project com
					aguatic habitat, and instream											
					cover along at least one											
					tributary within the											
					(Keswick to Red Bluff Red											
					Bluff to Chico Landing, Chico											
					Landing to Colusa, Colusa to							_				
Я	AC	_			Verona, Verona to			Dec 01	790.000	0	790 000	The Nature	Meghan	204		
9	s	т			62 G. Status of program to	LIKE-97-NUSA	Dec-96	Dec-01	780,000	0	760,000	Conservancy	Mazzoni	acres	Sacramento River-Active Restoration	This project will restore 100 acres of flood-pror
					establish, restore, and										of Riparian Forest	native riparian forest along the Sacramento Rive
					maintain riparian habitat to											Nature Conservancy. Implementation; 75
					improve floodplain habitat,											habitat are being restored, project compl
					aquatic habitat, and instream											Instead of 100 acres that were bein
					cover along at least one											
					tributary within the											
					Sacramento River EMZ											
					Bluff to Chico Landing Chico											
					Landing to Colusa, Colusa to							Wildlife				
2	AC	_			Verona, Verona to		Mar 00	Max 02	510 500	0	E10 E00	Conservation	Scott	75 0000		
9	s	Ξ			62 G. Status of program to	ERF-97-N03B	10121-99	Iviar-02	512,500	0	512,500	Board	Clemons	75 acres	Riparian Corridor Acquisition and	Project will establish a conservation easeme
					establish, restore, and										Restoration Assessment	Gover Ranch, and conduct geomorphic stud
					maintain riparian habitat to											Sacramento River. Some of the land will be cov
					improve floodplain habitat,											easement. 1412 acres. Harry Rectenwald, D
					aquatic habitat and instream											acres and protected 10 miles of riparian hat
					cover along at least one											
					tributary within the											
					Sacramento River EMZ											
					Bluff to Chico Landing Chico											
					Landing to Colusa, Colusa to					1						
~	Ş				Verona, Verona to								Charles			
6	ŝ	I			62 G Status of program to	ERP-99-B12	3/31/00	4/30/03	2,175,000	0	2,175,000	BLM	Schultz	10 miles	Sacramento River Conservation Area	The project involves biring a manager and office
					establish, restore, and										Program	period to assist in the development and implement
					maintain riparian habitat to					1						plans for areas within the Sacramento River F
					improve floodplain habitat,											Area, and to manage a new nonprofit riparian la
					saimonid shaded riverine					1						that will coordinate activities and continue the
					cover along at least one					1						program. Burt Bundy, Sacramento River
					tributary within the					1						Forum. Planning; project completed. The
					Sacramento River EMZ					1						funding to continue the efforts of the Sa
					Reswick to Red Bluff, Red					1						Conservation Area Program to act as a c between local, state, and federal agencies re
					Landing to Colusa, Colusa to					1						activities in the Sacramento River
					Verona, Verona to					1						
	Ŷ				Sacramento)											
62	SA	т				ERP-01-N28	Oct-01	Oct-04	541,747	0	541,747	CDWR	Burt Bundy			

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B B	2	~	₽.	Milestone	from ERPP Vol 2	62 G. Status of program to	NUMBERS	STARTDATE	DATE	Award	Cost Share	Project Cost	Applicant	Investigator	05	Upper Yuba River: Water Quality and	Develop and implement a program to establish, restore
B C <thc< th=""> C <thc< th=""> <thc< th=""></thc<></thc<></thc<>						establish, restore, and										Sediment Studies	riparian habitat to improve floodplain habitat, salmonid
1 1 <td></td> <td></td> <td></td> <td></td> <td></td> <td>maintain riparian habitat to</td> <td></td> <td>aquatic habitat, and instream cover along at least one t</td>						maintain riparian habitat to											aquatic habitat, and instream cover along at least one t
u u <td></td> <td></td> <td></td> <td></td> <td></td> <td>salmonid shaded riverine</td> <td></td> <td>Implementation; 50 percent complete. Gravel augm</td>						salmonid shaded riverine											Implementation; 50 percent complete. Gravel augm
B C <thc< th=""> C C C C<td></td><td></td><td></td><td></td><td></td><td>aquatic habitat, and instream</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Implement gravel augmentation.</td></thc<>						aquatic habitat, and instream											Implement gravel augmentation.
B B <td></td> <td></td> <td></td> <td></td> <td></td> <td>cover along at least one</td> <td></td>						cover along at least one											
B B <td></td> <td></td> <td></td> <td></td> <td></td> <td>tributary within the Sacramento River EMZ</td> <td></td>						tributary within the Sacramento River EMZ											
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u u						Bluff to Chico Landing, Chico											
0 0 x 0 x 0 x 0 x 0 x 0						Landing to Colusa, Colusa to											
a a b c	2	AC				Verona, Verona to	EDD 02 C01 D	1.1.04	hur 05	4 400 000	0	4 400 000	118.00	Charlie			
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Image: Second						establish, restore, and										and Flood Damage Reduction: Chico	habitat to the maximum extent possible, 2,600 acres,
3 3 4 Impore bodglan hallat, sating ballat, sime and cover along a least one to budy with the Scoramento Niver EU. Impore bodglan hallat, sating ballat, sime and cover along a least one to budy with the Scoramento Niver EU. Impore bodglan hallat, sating ballat, sime and cover along a least one to budy with the Scoramento Niver EU. Impore bodglan hallat, sating ballat, sime and cover along a least one to budy with the Scoramento Niver EU. Impore bodglan hallat, sating ballat, sime and cover along a least one to budy with the Scoramento Niver EU. Impore bodglan hallat, sating ballat, sime and satisfies ballat, satisfies and satisfies ballat, satisfi						maintain riparian habitat to										Landing Sub-Reach	City area while simultaneously reducing the flood
a b						improve floodplain habitat,											residents. Burt Bundy, Sacramento River Conse
Image: Part Part Part Part Part Part Part Part						aquatic babitat and instream											Forum. Planning for 6.8 miles of setback levees (in acres increase in floodplain (MS 59B) restore 1
Image: Section Sectin Section Section Sectin Section Section Section Section Section Se						cover along at least one											riparian habitat (MS 62G), properties located with
g g <td></td> <td></td> <td></td> <td></td> <td></td> <td>tributary within the</td> <td></td> <td>River Zone areas between Red Bluff and Colusa re</td>						tributary within the											River Zone areas between Red Bluff and Colusa re
g y x Instrumentation Instrumentation Description Understand Description Understand Description Description <thdescription< th=""> Desc</thdescription<>						Sacramento River EMZ											may be habitat for Bank Swallow will be protected
g g kanding to Chusa. Coluano Verona, Verona to Sacamento) ERP-02-C0-D Nov-02 Ce. 4 Application Refer Board Pate Rabitori Board Lower Deer Creek Restoration and Pload Management: Feasibility, Study and Conceptual Design Project will restore connection to the foodplain a feasibility, restore, and maintain nparina habitatio improve foodplain habitatis, adminicipation habitatis, adminicipatin habitatis, adminicipatin habitatis, adminin habitatis						Reswick to Red Bluff, Red											Draft plan is complete. Currently seeking public
vs vs <th< td=""><td></td><td></td><td></td><td></td><td></td><td>Landing to Colusa, Colusa to</td><td></td><td></td><td></td><td></td><td></td><td></td><td>The</td><td></td><td></td><td></td><td></td></th<>						Landing to Colusa, Colusa to							The				
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S X						maintain riparian habitat to										and Concentual Design	mabitat to the maximum extent possible in the Deer C miles Vieva Swearingen Deer Creek Watershed
Set S						improve floodplain habitat,										and Conseptual Design	Planning and Design; project just started. (7 perce
Se Se <th< td=""><td></td><td></td><td></td><td></td><td></td><td>salmonid shaded riverine</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>						salmonid shaded riverine											
S S F Sub-reach Planning for the started in thousany within the Sacramento River EMZ (Keswick to Red Bluff, Red Bluff, Red Bluff, Red Bluff, restore, and maintain riparian habitat to improve foodpain habitat, and instream aquatic habitat, read and and and and and and and and and a						aquatic habitat, and instream											
State State <th< td=""><td></td><td></td><td></td><td></td><td></td><td>tributary within the</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>						tributary within the											
S Y I Image: Conservance in the planting of the chico Landing, Ch						Sacramento River EMZ											
B V Image: Chico Landing, Chico Culusa to Verona, Verona to Verona, Verona to Verona, Verona to Sacramento, Verona, Verona to Sacramento Nere EMZ (Keswick to Red Bluff, R						(Keswick to Red Bluff, Red											
St St x Landing to Colusa to Verona, Verona to Excommenta) ERP-02D-P53 Sep-03 Sep-03 1,519,200 0 1,519,200 Watershed Conservancy Bill Berns Sub-reach Planning for the Sacramento River: River Mile 144-164 Restore and maintain riparian habitat to improve salmonid shaded riverine aquatich abitat, and instead improve floodplain habitat, salmonid shaded riverine aquatich abitat, and instead or verona log at least one tributary within the Sacramento River EMZ (Keswick to Red Billf, Red Bill Berns Sub-reach Planning for the Sacramento River: River Mile 144-164 Restore and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatich abitat, and instead or verona log at least one tributary within the Sacramento River EMZ (Keswick to Red Billf, Red Bill Berns Sub-reach Planning project has just started. Restore and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatich abitat, and instead or verona log at least one tributary within the Sacramento River EMZ (Keswick to Red Billf, Red Bill of Colusa, Colusa to Verona, Verona to No. N						Bluff to Chico Landing, Chico							Deer Creek				
S S z Conservancy Bill Berens Sub-reach Planning for the salamonid shaded riverine aquatic habitat to improve floodplain habitat to improve floodplain habitat, and instream over along at least one tributary within the Sacramento Rever EMZ (Keswick to Red Bluff to Chio Landing, Chico Landing to Colusa, Colusa to Verona, Verona to Sacramento) Sep-03 Sep-05 1,519,200 0 1,519,200 Conservancy Bill Berens Sub-reach Planning for the Sacramento River: River Mile 144-164 Restore and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the Sacramento River EMZ (Keswick to Red Bluff, Red Bluff to Chio Landing, Chico Landing to Colusa, colusa to Verona, Verona to Sep-03 Sep-05 1,519,200 0 1,519,200 Conservancy Bill Berens Sub-reach Planning for the Sacramento River: River Mile 144-164 Restore and maintain riparian habitat to improve salamonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the Sacramento River EMZ Key More Sacramento River EMZ Key More Sacramento) FRP-02-P27 Lab 1,488,009 O The Nature The Nature The		Ŷ				Landing to Colusa, Colusa to							Watershed				
 Berger and maintain riparian habitat to improve establish, restore, and maintain riparian habitat to improve establish, restore, and maintain riparian habitat to improve foodplain habitat, and instream cover along at least one tributar, and instream cover along at least one tributary within the Sacramento River EMZ (Keswick to Rel Buff Red Buff Colusa, Colusa to Verona, Verona to Verona, Verona to Sacramento) ERP-02-P27 Hats 009 	62	s,	Т			Sacramento)	ERP-02D-P53	Sep-03	Sep-05	1,519,200	0	1,519,200	Conservancy	Bill Berens			
Solution in the field of the land of the l						62 G. Status of program to										Sub-reach Planning for the Sacramento Piver: Piver Mile 144, 164	Restore and maintain riparian habitat to improve floo
 Note: Section 1. Section 2. Section 2.<						maintain riparian habitat to											the Chico Landing to Colusa reach of the Sacramento
 S 3 T = S S T = Saramento) FBP-02-P27 F = Saramento) FBP-02-P27 F = Saramento) FBP-02-P27 F = Saramento, FBP-02-P27 						improve floodplain habitat,											miles? Unspecified amount will be restored, all will b
 aquatic nabitat, and instream cover along at least one tributary within the Sacramento Verona, Verona to FBP-02-P27 1488 009 1488 009 1488 009 Conservancy Gren Golet 			1			salmonid shaded riverine		1									Project is in the planning phase. Kathy Morse,
Verona, Verona to FBP-02-P27 1488.009 0 1488.009 Conservancy Greg Golet			1			aquatic habitat, and instream		1									Conservancy. Planning; project less than 1% col
Sacramento River EMZ (Keswick to Red Bluff, Red Bluff to Chico Landing, Chico Landing to Colusa to Verona, Verona to Sacramento) ERP-02-P27 1488.009 0 1488.009 Conservancy Grea Golet			1			tributary within the		1									project nas just started.
V Verona, Verona to Sacramento) FBP-02-P27			1			Sacramento River EMZ		1									
Bilut to Chico Landing, Chico Landing to Colusa, Colusa to Verona, Verona, Verona to Sacramento) FBP-02-P27 1488.009 0 1488.009 Conservancy Grea Golet			1			(Keswick to Red Bluff, Red		1									
Construction Construction Verona, Verona to Sacramento) FBP-02-P27 1488 009 0 1488 009 Conservancy Greg Golds						Blutt to Chico Landing, Chico											
Sacramento) FRP-02-P27 1488 009 0 1488 009 Conservancy Gred Golet			1			Verona, Verona to		1					The Meters				
	ĸ	SAC	π			Sacramento)	ERP-02-P27			1.488.009	0	1,488.009	Conservancy	Greg Golet			

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	Ma No	ช 1			MS Components or									tifia		
	N S N	s le		ERP Targets taken	Questions for field	ERP PROJECT		END	CALFED		Total		Principal	uan nits		- · ·
⊢	2 2	: •	Milestone	from ERPP Vol 2	62 G. Status of program to	NUMBERS	START DATE	DATE	Award	Cost Share	Project Cost	Applicant	Investigator	σs	Project Name Riparian Restoration Planning and	Comments Restore and maintain 950 acres of riparian habitat to improve
					establish, restore, and										Feasibility Study for the Riparian	floodplain habitat, salmonid shaded riverine aquatic habitat, and
					maintain riparian habitat to										Sanctuary, Llano Seco Unit	instream cover along the Chico Landing to Colusa reach of the
					salmonid shaded riverine											complete.
					aquatic habitat, and instream											
					cover along at least one tributary within the											
					Sacramento River EMZ											
					(Keswick to Red Bluff, Red Bluff to Chico Landing, Chico											
					Landing to Colusa, Colusa to											
	AC 23	2 -			Verona, Verona to	ERP-02-P39		Sen-05	280 784	0	280 784	USEWS	Kevin Foerster	500 acres		
	8 0	, <u>+</u> ±			62 G. Status of program to			Ocp-00	203,704		203,704	001110	1 Octotol	40100	Lake Red Bluff Riparian Area	Project consists of approximately 200 feet of boardwalk construction
					establish, restore, and										Restoration and Education Support	over a sensitive old-growth riparian forest area on land managed by
					improve floodplain habitat,										Project	Approximately 2+ acres of riparian area will be cleared of invasive
					salmonid shaded riverine											exotic plant species (including Tree of Heaven, Ailanthus) and
					aquatic habitat, and instream											replanted with native perennial grasses. Linda Burkholder, California Conservation Corps. Implementation 2+ acres of
					tributary within the											riparian habitat. Project completed.
					Sacramento River EMZ											
					Bluff to Chico Landing, Chico							The Oelifernie				
	0	,			Landing to Colusa, Colusa to							Conservation				
	62 SA	Бт			Verona, Verona to	ERP-99-N04	Mar-00	Mar-03	29,114	37,000	66,114	Corps	Erin Healy			
					62 G. Status of program to establish restore and										Floodplain Acquisition and Sub- Reach/Site-Specific Management	This contract provides for the planning component of this project. Site
					maintain riparian habitat to										Planning on the Sacramento River	subreach (RM 165-176). This contract will support progress towards
					improve floodplain habitat,										(Red Bluff to Colusa)	the project goals for implementation of a limited meander corridor.
					aquatic habitat, and instream											with flood control infrastructure, and strategies for maximizing aquatic
					cover along at least one											habitat diversity in the sub-reach Task 1: Survey, model, and
					Sacramento River EMZ											Identify future conservation and management actions for the Beehive
					(Keswick to Red Bluff, Red											Bend sub-reach. Mike Roberts, The Nature Conservancy.
					Landing to Colusa, Colusa to							T 1 N 1 I				Planning; project completed.
	52 SAC	2 т			Verona, Verona to	ERP-00-F03	Jun-00	Mav-03	519.000	0	519.000	Conservancy	Sam Lawson			
					62 H. Status of program to										Union School Slough Watershed	This project will implement sediment reduction practices to 1) reduce
					establish, restore, and maintain riparian habitat to										Improvement Program	pesticide runoff that can degrade water quality (Subtask 6: Construction of Tailwater Ponds: 5 tailwater ponds) and Revegetate
					improve floodplain habitat,											canals and ditches that will reduce weed invasion and reduce
					salmonid shaded riverine											herbicide use (Subtask 7: Revegetation of Irrigation Canals and
					cover along at least one											Russell, Audubon California. Implementation. Riparian: 1.05
					tributary within the Yolo Basin											miles; 56 acres; Grassland treated with prescribed fire: 567
					EMZ (Cache Creek, Putan Creek, Solano, Willow Slough)							National				acres; Native perennial grassiand restoration: 277 acres; Wetlands/ponds: 15.7 acres: 7 ponds. 1 wetland project.
					;;g,							Audubon				······································
												Society,	leader.			
	52 SAC	<u>г</u>				ERP-98-E13	5/1/99	6/1/02	636,000	0	636,000	Chapter	Boshoven			
F				1	62 H. Status of program to										Solano County Lower Putah Creek	Establish, restore and maintain riparian habitat. Alex Morin, Solano
					establish, restore, and maintain riparian habitat to										Watershed Phase1	County Dept. of Environmental Management. Project completed, planning. State Water Resources Control Board is funding the
					improve floodplain habitat,											Lower Putah Creek Stewardship Program
					salmonid shaded riverine		1									
					cover along at least one		1					0.1				
					tributary within the Yolo Basin							Department of				
	. y	2			Creek, Solano. Willow Slough)		1					Environmental				
	2 2	<u>і I т</u>		1	; ; : : : : : : : : : : : : : : : : : :	ERP-98-E16	Apr-00	Aug-01	105.000	0	105.000	Management	Brian Parker	1		1

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nber	z	Type											fiable		
S Nu	GIO	oject	ERP Targets taken	MS Components or Questions for field	ERP PROJECT		END	CALFED		Total		Principal	uanti		
Ë	R	A Milestone	from ERPP Vol 2	62 H. Status of program to	NUMBERS	START DATE	DATE	Award	Cost Share	Project Cost	Applicant	Investigator	ð5	Project Name	Comments Develop and implement a program to establish, restore, and
				establish, restore, and										Assessment and Stewardship	maintain riparian habitat to improve floodplain habitat, salmonid
				maintain riparian habitat to										Implementation Program	shaded riverine aquatic habitat, and instream cover along at least
				salmonid shaded riverine											Creek, Solano, Willow Slough). Project will contribute to instream
				aquatic habitat, and instream											cover for anadromous fish within Putah Creek through a pilot
				tributary within the Yolo Basin											debris into the creek.
	0			EMZ (Cache Creek, Putah	WSP-01-FP-						Putah Creek	Rich			
62	SA(I		Creek, Solano, Willow Slough)	0128	Jun-01	Jun-05	600,000	418,025	1,018,025	Streamkeeper	Marovich			
				62 H. Status of program to										Putah Creek: Yolo Housing Authority	This project is restoring riparian and oak woodland habitat to a stratch of Butch Crock. It will also restore some instream habitat
				maintain riparian habitat to										Floject	for anadromous fish in the creek.
				improve floodplain habitat,											
				aquatic habitat, and instream											
				cover along at least one											
				tributary within the Yolo Basin EMZ (Cache Creek, Putah											
2	AC			Creek, Solano, Willow Slough)	WSD 02 ED 556			270 655	58,920 or	338,575 or	Solano County	Rich Marovich	8.3		
9	S	I		62 H. Status of program to	W3F-02-1 F-550			279,000	100,200	379,000	Water Agency	Wardvich	acres	Willow Slough Watershed Rangeland	Project will enhance riparian habitat by erecting fences along 3
				establish, restore, and										Stewardship	miles of riparian corridor to manage grazing and will also
				improve floodplain habitat,											miles/91 acres; Grassland treated with prescribed fire: 1397
				salmonid shaded riverine											acres; Native perennial grassland restoration: 423 acres; Wildlife
				aquatic habitat, and instream											ponds/stock ponds: 19.2 acres; Erosion control projects: 3 acres, Vance Russell, Audubon California, Implementation,
				tributary within the Yolo Basin							National		3.38		Project is 80% complete.
	υ			EMZ (Cache Creek, Putah Creek, Solano, Willow Slough)							Society-	Judy	(91		
62	SA	т			ERP-01-N31	Oct-01	Aug-04	1,800,668	0	1,800,668	California	Boshoven	acres)		
				62 H. Status of program to establish, restore, and										Arundo donax Eradication and Coordination	I his project will direct funds to eradication partners in six watersheds (Putah Creek, Big Chico Creek, Sonoma Creek, Walnut Creek, Napa
				maintain riparian habitat to											River, and San Francisquito Creek) that are prepared to immediately
				improve floodplain habitat, salmonid shaded riverine											carry out Arundo eradication (an invasive non-native plant) throughout the Bay-Delta and the Sacramento-San Joaquin watersheds Kim
				aquatic habitat, and instream											Webb, USFWS. implementation; project not completed. This
				cover along at least one tributary within the Yolo Basin											project will direct eradication funds for on-the-ground eradication of Arundo, the state's most invasive rinarian weed, to
				EMZ (Cache Creek, Putah											eradication partners in six watersheds, including Putah Creek.
	U			Creek, Solano, Willow Slough)							Sonoma				
62	SA	т			ERP-00-F11	Mar-01	Mar-06	1,063,600	None	1,063,600	Ecology Center	Richard Dale			
				62 H. Status of program to establish, restore, and										Bevond the Riparian Corridor	Objectives: 1) Develop compressed protocols to assess watershed functions and prioritize conservation work; 2) Conduct on-farm
				maintain riparian habitat to											demonstration projects and research of a discrete set of agricultural
				improve floodplain habitat, salmonid shaded riverine											conservation solutions; 3) Quantify the effects of the practices through replicated, multi-year trials and monitoring of these projects; 4)
				aquatic habitat, and instream											Develop a web-based landowner conservation decision assistance tool
				cover along at least one tributary within the Yolo Basin											(Yolo OnePlan) to facilitate small scale, private conservation planning for large-scale watershed improvements; and 5) Increase landowner
				EMZ (Cache Creek, Putah											participation as a result of a strong education and outreach program
				Creek, Solano, Willow Slough)											and the "landowner service" to provide technical assistance, economic
1											Volo Count				to establish, restore, and maintain riparian habitat (4,000 ft) along
1											Resource	Katy Pye or			Union Slough tributary to Willow Slough in the Yolo Basin EMZ
7	AC				ERP_01 N25	Sec 01	Aug 04	1 464 467	2 870 113	1 313 300	Conservation	Jeanette			
9	S	I		62 I. Status of the protection of	LRF-01-1120	Sep-UI	Aug-04	1,404,107	2,0/9,113	4,343,260	District	VVIYSIIISKI			
				existing known occurrences of											
				walnut native stands through											
7	AC			conservation easement or											
9	S		1	purchase.	1	1	1	1	1		1	1	1		

						CONTRA	АСТ								
MS NUMBER	Project Type	Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT NUMBERS	START DATE	END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comments
5AC SAC	г			62 J. Status of the identification of at least 3 protected and managed sites for introduction of additional populations of northern California black walnut;											
5AC SAC	н			62 K. Status of the introductions of additional populations of northern California black walnut.											
oz SAC	Ŧ			62 L. Status of the monitoring program of the establishment of the new populations of California Black Walnut.											

					MULTI SI	PECIES CO	ONSEF	RVATIC	N STR	ATEGY	MILES	TONE 63	ROLLED	UP S	UMMARY		
MILE Cree agre estal ripar perc of the Cree com man land ripar	STO k EM emen blish, an co ent of e low k, an brehe agem use c an an	PNE IZ, conts w restormed f the er re d (2 ensive hent decision nd re	63 In the Cottonwood isomplete (1) long-term <i>i</i> th local landowners to tore, and maintain nunities along 25 upper and 25 percent eaches of Cottonwood) the development of a re watershed plan that supports local sions to protect existing estore lost riparian.			PROJECTS REVIEWED - ERP-97-N07, ERP-98-E05, ERP-00-E03, ERP-01-N28, WSP-02-FP-214		SUMMA been used the implem meeting th along 25 p Creek has	NPY The to form the C entation of th e goal of esta ercent of the not been doc	majority of E Cottonwood ne watershe ablishing, rer ablishing, rer upper and 2 sumented.	ERP contract Creek Wate d plan. The p storing, and 5 percent of	is addressing this shed Group (CC orogress of proje maintaining ripar the lower reache	s milestone have WG) to oversee cts toward ian communities es of Cottonwood			AGENCY NOTES	NOTES CONT'D
		1	MULTI SPECIES	CONSERVA	TION STRATEGY I	MILESTON	IE 63	- EVAL	UATION	I OF IN	DIVIDU	IAL PROJ	ECTS REV	IEWE	D TO FORMULATE	THE ROLLED UP SU	MMARY
MS Number	REGION	Project Type	Milestone	ERP Targets taken	MS Components or Questions for field	ERP PROJECT	CONT START	END	CALFED	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Jnits	Project Name	Com	nents
63	SAC	I	In the Cottonwood Creek EMZ, complete (1) long-term agreements with local landowners to establish, restore, and maintain riparian communities along 25 percent of the upper and 25 percent of the lower reaches of Cottonwood Creek, and (2) the development of a comprehensive watershed management plan that supports local land use decisions to protect existing riparian and restore lost riparian.		63 A. In the Cottonwood Creek EMZ, status of completing long-term agreements with local landowners to establish, restore, and maintain riparian communities along 25 percent of the upper and 25 percent of the lower reaches of Cottonwood Creek,	ERP-97-N07	Jul-98	Nov-02	61,000	10,000	71.000	Graham Matthews and Associates	Graham Matthews		Cottonwood Creek Channel Restoration Planning	May contribute to milestone since Patricia Bratcher, DFG. Co hydrologic analysis and survey s project co	the creek will have channel work. nduct geomorphic analysis, sites. Planning/ Implementation; ompleted.
	łc				63 A. In the Cottonwood Creek EMZ, status of completing long-term agreements with local landowners to establish, restore, and maintain riparian communities along 25 percent of the upper and 25 percent of the lower reaches of Cottonwood Creek,							Cottonwood Creek Watershed	Vieva		Cottonwood Creek Watershed Group Formation	This project will: 1) Identify and org public land management agencie managers to form consensus or Coordinate with resource manag needs and correlate those studie Research previous studies within Contributes to the process of restoo of riparian and floodplain habitat Patricia Bratcher, DFG. Implem for Cottonwood Creek. Imple	panize the landowners to work with s, interested parties and resource h issues and their importance; 2) gers which have studied regional s with input from stakeholders; 3) the Cottonwood Creek watershed. ration, protection, and management in the Cottonwood Creek (EMZ). ent watershed stewardship plan mentation; project completed.
63	SAC SA	T			63 A. In the Cottonwood Creek EMZ, status of completing long-term agreements with local landowners to establish, restore, and maintain riparian communities along 25 percent of the upper and 25 percent of the lower reaches of Cottonwood Creek,	ERP-98-E05	Oct-98	Dec-01	443,047	0	443,047	Group Cottonwood Creek Watershed Group	Swearingen Vieva Swearingen		Cottonwood Creek Watershed Monitoring and Assessment	Continued management of the Co (CCWG) to oversee the impleme phase would assess current cor miles), both as to the land and stre- future projects. Patricia Bra Assessment; pro	ttonwood Creek Watershed Group ntation of a watershed plan. This ditions in the watershed (930 sq am conditions to give a baseline for tcher, DFG. Monitoring and oject completed.

33	63	63	8	63	MS Number
SAC	SAC	SAC	SAC	sAC	REGION
T	I	T	T	T	e d. L J Jeje Milestone
					ERP Targets taken
63 B. In Cottonwood Creek EMZ, status of the development of a comprehensive watershed management plan that supports local land use decisions to protect existing riparian and restore lost riparian	63 B. In Cottonwood Creek EMZ, status of the development of a comprehensive watershed management plan that supports local land use decisions to protect existing riparian and restore lost riparian.	63 B. In Cottonwood Creek EMZ, status of the development of a comprehensive watershed management plan that supports local land use decisions to protect existing riparian and restore lost riparian.	63 B. In Cottonwood Creek EMZ, status of the development of a comprehensive watershed management plan that supports local land use decisions to protect existing riparian and restore lost riparian.	63 B. In Cottonwood Creek EMZ, status of the development of a comprehensive watershed management plan that supports local land use decisions to protect existing riparian and restore lost riparian.	MS Components or Questions for field personnel
ERP-97-N07	ERP-01-N28	WSP-02-FP-214	ERP-98-E05	ERP-00-E03	ERP PROJECT
Jul-98	Oct-01		Oct-98	Oct-00	CONT START DATE
Nov-02	Oct-04		Dec-01	Dec-05	END
61.000	541,747	200,000	161,000	443,047	CALFED
10,000	0		0	0	Cost
71.000	541,747	200,000	161,000	443,047	Total Project Cost
Graham Matthews and Associates	CDWR	Cottonwood Creek Watershed Group	Cottonwood Creek Watershed Group	Cottonwood Creek Watershed Group	Applicant
Graham Matthews	Burt Bundy	Vieva Swearingen	Vieva Swearingen	Vieva Swearingen	Principal Investigator
					Quantifiable Jnits
Cottonwood Creek Channel Restoration Planning	Sacramento River Conservation Area Program	Cottonwood Creek Watershed Management Plan	Cottonwood Creek Watershed Group Formation	Cottonwood Creek Watershed Monitoring and Assessment	Project Name
May contribute to milestone since the creek will have channel work. Patricia Bratcher, DFG. Conduct geomorphic analysis, hydrologic analysis and survey sites. Planning/Implementation; project completed.	The project involves hiring a manager and office staff for a three-year period to assist in the development and implementation of site-specific plans for areas within the Sacramento River Riparian Conservation Area, and to manage a new nonprofit riparian land management entity that will coordinate activities and continue the process of building broader support and understanding of the goals of the SB 1086 program. Burt Bundy, Sacramento River Conservation Area Forum. Planning; project completed. The project provided funding to continue the efforts of the Sacramento River Conservation Area Program to act as a coordinating body between local, state, and federal agencies regarding restoration activities in the Sacramento River watershed.	Project will develop a Watershed Management Strategy through stakeholder workshops that will eventually lead to a management plan. Several watershed issues will be addressed including riparian protection and enhancement.	This project will: 1) Identify and organize the landowners to work with public land management agencies, interested parties and resource managers to form consensus on issues and their importance; 2) Coordinate with resource managers which have studied regional needs and correlate those studies with input from stakeholders; 3) Research previous studies within the Cottonwood Creek watershed. Contributes to the process of restoration, protection, and management of riparian and floodplain habitat in the Cottonwood Creek (EMZ). Patricia Bratcher, DFG. Implement watershed stewardship plan for Cottonwood Creek. Implementation; project completed.	Continued management of the Cottonwood Creek Watershed Group (CCWG) to oversee the implementation of a watershed plan. This phase would assess current conditions in the watershed (930 sq miles), both as to the land and stream conditions to give a baseline for future projects. Patricia Bratcher, DFG. Monitoring and Assessment; project completed.	Comments

					MUL	TI SPECIE	S CON	ISERV	ATION S	TRATEG	Y MILES	TONE 64	ROLLED	UP SI	UMMARY		
MILE the 1 resto each Battl Chicc Bear	STO 0 mill ration of th e, Cle o, An Rive	NE (e tar n alo e fol ear, [telop rrs.	64 Restore 2 miles of get of riparian habitat ng the lower reaches of lowing tributaries: Deer, Mill, Butte, Big be, Feather, Yuba, and			PROJECTS REVIEWED - ERP-96-M12, ERP-96-M12, ERP-97-E01, ERP-97-E02, ERP-97-E02, ERP-98-F03, ERP-98-F15, ERP-98-F04, ERP-98-F15, ERP-98-F15, ERP-98-F15, ERP-98-F24, ERP-98-F12, ERP-99-B01, ERP-99-B01, ERP-99-B01, ERP-99-B12, ERP-99-B12, ERP-99-B12, ERP-99-N17, ERP-01-N28, ERP-02-P16D, ERP-02-P26, AFRP-01-10, IMM 02-101,	WSP-01- FP-049, AFRP-00- 02, AFRP-00- 10, AFRP-00- 14, AFRP- 00-15, AFRP-00- 16, AFRP- 00-17	SUMMA been used Deer, Mill, restored on has only b and Yuba miles on b restoration	ARY Severa for riparian ha Butte, Big Chic n Battle Creek. een planning fc Rivers. There oth Deer and M on the lower r	al ERP and AFf bitat restoration co Creeks, and Approximately or riparian habit are projects un <i>l</i> ill Creeks. No p eaches of Antel	RP contracts a planning and the Yuba Rive 1 mile has be at restoration of der way to acq projects have a lope Creek, Be	nd funds from ot implementation r. Two miles are en restored on E on Clear Creek, I uire property for addressed riparia ar River, or the I	ther sources have on Battle, Clear, e currently being 3utte Creek. There Big Chico Creek restoration of 2 an habitat Feather River.			AGENCY NOTES	NOTES CONT'D
			MULTI SPEC	IES CONSEI	RVATION STRATE	GY MILES	TONE	64 E	VALUAT	ION OF II	NDIVIDU	AL PROJ	ECTS REVI	EWE	D TO FORMULATE THE	ROLLED UP SUMMAR	Y
MS Number	REGION	Project Type	Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT	CON START DATE	END DATE	CALFED	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Commen	s
7	AC	_	Restore 2 miles of the 10 mile target of riparian habitat restoration along the lower reaches of each of the following tributaries: Battle, Clear, Deer, Mill, Butte, Big Chico, Antelope, Feather, Yuba and Bear Rivers		64 A. Status of restoring 2 miles of riparian habitat along the lower reaches of Battle Creek	EDD 05 M01				500.000	500.000	John (PGE) ,	John Sandoffner,Harry		Battle Creek Interim Flow Restoration	Restoration of riparian habitat. Im complete. Ongoing due to amend riparian hab	olementation; 50 percent nents. Restore 2 miles of itat.
14 6	sAC S	-			64 A. Status of restoring 2 miles of riparian habitat along the lower reaches of Battle Creek	ERP-96-M12	lul-97	Apr-99	306.000	reduced	230,000	CDEG	Harry Rectenwald		Battle Creek Chinook Salmon and Steelhead Restoration Study	Restore and maintain riparian habitat.	Planning; project completed.
64 6	SAC (н			64 A. Status of restoring 2 miles of riparian habitat along the lower reaches of Battle Creek	ERP-96-M25	May-97	Oct-99	50,000	50,000	100,000	Western Shasta Resource Conservation District	Richard Baumann		Battle Creek Watershed Management Strategy Project	Planning / Education; proje Rectenwald,	ct completed. Harry DFG.
64	SAC	Т			64 A. Status of restoring 2 miles of riparian habitat along the lower reaches of Battle Creek	ERP-98-E06	Jan-98	Dec-99	145,000	0	145,000	Battle Creek Watershed Conservancy	Donald Holtgrieve		Battle Creek Watershed Stewardship	This project will evaluate and develop Creek. Contributes to the process of management of riparian and floor Sacramento Valley (EMZ). Educat completed. Harry Rec	a watershed plan for Battle restoration, protection, and plain habitat in the North ion / Instruction; project tenwald, DFG
64	SAC	н			64 A. Status of restoring 2 miles of riparian habitat along the lower reaches of Battle Creek	ERP-99-B12	3/31/00	4/30/03	2.175.000	0	2.175.000	BLM	Charles Schultz	10 miles	Riparian Corridor Acquisition and Restoration Assessment	Project will establish a conservation Gover Ranch, and conduct geomorp Sacramento River. Some of the land wi easement. 1412 acres. Harry Recter project completed. Acquired a con acres and protected 10 miles of ripa	easement acquisition on the hic studies of a reach of the I be covered by an agricultural wald, DFG. Implementation; servation easement of 1412 rian habitat on Battle Creek.

							CONT	РАСТ								
ber		, Yp					CONT	NACT.						able		
E E	NO	ct I			MS Components or									tifia		
N N	B	oje		ERP Targets taken	Questions for field	ERP PROJECT	START	END	CALFED		Total Project		Principal	uan nits		
Σ	R	ā	Milestone	from ERPP Vol 2	personnel	NUMBERS	DATE	DATE	Award	Cost Share	Cost	Applicant	Investigator	σΞ	Project Name	Comments
					64 A. Status of restoring 2 miles of riparian habitat along										Battle Creek Protection and	One of the project goals is to protect long-term sustainability of
					the lower reaches of Battle										Stewardship	lamprev, chinook salmon and steelhead trout by purchasing
					Creek											conservation easements on over 6,800 acres of habitat lands. Project
																not completed, still negotiating on properties. One property may
	ų											The Nature				close in fall. Acquisition.
64	sA	т				IMM-02-I01	Mar-03		2,206,625	0	2,206,625	Conservancy	Jake Jacobson			
					64 A. Status of restoring 2										Battle Creek Watershed Stewardship,	BCWC proposes a project to do all of the following: 1) Complete an
					the lower reaches of Battle										Flidse 2	lands lying immediately upland of Battle Creek's Restoration Project
					Creek											reaches. 2) Implement, in close cooperation with the resource
																agencies and local schools, a watershed information system to support
																Restoration Project monitoring, assessment, and adaptive
																Watershed Strategy, through work in the schools and communities
																with agencies and landowners, toward the complementary objectives
																of safeguarding the Battle Creek watershed's lightly- populated,
																agricultural lifestyle and protecting the public investment in the Battle
																Creek Salmon and Steelhead Restoration Project. Harry
																complete. Project is ongoing.Watershed strategy is complete.
												Battle Creek	Sharon Paquin-			Conservation easement planning is complete. Implement an
	0											Watershed	Gilmore, Watershed			information system for watershed.
2	SAC	т				AFRP-01-10	2000 ?	9/30/02 ?	299.606 ?	75.000	224.606	(BCWC)	Coordinator			
					64 A. Status of restoring 2							· · · ·			Sacramento River Conservation Area	The project involves hiring a manager and office staff for a three-year
					miles of riparian habitat along										Program	period to assist in the development and implementation of site-specific
					Creek											Area, and to manage a new popprofit riparian land management entity
																that will coordinate activities and continue the process of building
																broader support and understanding of the goals of the SB 1086
																program. Burt Bundy, Sacramento River Conservation Area
																Forum. Planning; project completed. The project provided
																Conservation Area Program to act as a coordinating body
																between local, state, and federal agencies regarding restoration
																activities in the Sacramento River watershed.
4	AC	_					Oct 01	Oct 04	E 4 4 7 4 7	0	E 4 4 7 4 7	CDWD	Durt Dundu			
9	0	-			64 A. Status of restoring 2	ERF-01-N20	001-01	001-04	341,747	0	341,747	CDWR	Built Buildy		Acquire a conservation easement on	This project will fund the purchase of a conservation easement on
					miles of riparian habitat along										the Eagle Canyon Ranch (Pelton	approximately 990 acres along Digger Creek and the North Fork of
					the lower reaches of Battle										property) at the confluence of Digger	Battle Creek. The Eagle Canyon Ranch (Pelton property) begins at the
					Стеек										Creek	approximately 2.5 miles of frontage on the south side of the North Fork
															Creck	and riparian water rights on Digger Creek. The Eagle Canyon Ranch
																(Pelton property) had previously been used as a sheep ranch,
																although new owners have reintroduced cattle. By purchasing a
																intends to protect a significant portion of winter-run and spring-run
																Chinook salmon spawning habitat in the North Fork from land use
																conversion and loss of riparian vegetation. Digger Creek also provides
	¢ V												Tricia Parker	2.5		an additional source of cool waters for the North Fork. Project
ě	ŝ	Т			64 A Status of restoring 2	AFRP-00-10		Mar-02	421,700	310,000	731,700	AFRP	USFWS	miles	Battle Creek Salmon and Steelhead	Restore babitat along lower reaches of creeks 2 miles Planning and
					miles of riparian habitat along										Restoration Project	Design; 90 percent complete.
					the lower reaches of Battle											
54	SAC	т			Creek	ERP-99-B01	Feb-99	Apr-01	26.958.100	23.550.900	50.509.000	UFG and USBR	or Mike Rvan			
					64 B. Status of restoring 2										Sulphur Creek Coordinated Watershed	Sulphur Creek CRMP will distribute the Watershed Analysis, develop
					miles of riparian habitat along										Management Plan Group	community-based restoration objectives, pursue funding to implement
					Creek											awareness and education in fisheries and watershed issues. May
																contribute to various habitat restoration, protection, and management
																milestones for the North Sacramento Valley (EMZ), Clear Creek
												Sacramento				(EMU). John McCullah, Sacramento Watersheds Action Group.
4	àC	-				FRP-08-F15	Oct-98	May-01	23 828	0	23 828	Watersheds Action Group	John McCullab			Fianning / Euclason. Floject completed.
								• IVICAV*UI								

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mber	z	t Type			MS Components or		CONT	TRACT						ifiable		
MS Nu	REGIO	Project	Milestone	ERP Targets taken from ERPP Vol 2	Questions for field personnel	ERP PROJECT NUMBERS	START DATE	END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quanti Units	Project Name	Comments
34	SAC	T			64 B. Status of restoring 2 miles of riparian habitat along the lower reaches of Clear Creek	ERP-98-F15	Apr-99	Sep-01	3 599 596	500.000	4 099 596	Western Shasta Resource Conservation District	Jeff Souza	3 miles	Lower Clear Creek Floodway Restoration Project	Phase II restoration activities: 1. Develop design documents for Phase 2 through 4. 2. Prepare CEQA/NEPA documents and environmental permits for Phase 2. 3. Recreate functional floodplain in the Mined Reach and the Reading Bar Ranch. 4. Mitigate wetland loss by creating off-channel wetlands at the Reading Bar Reach. 5. Reduce or eliminate juvenile and adult salmonid stranding by filling historic instream aggregate extraction pits to functional floodplain. 6. Restore riparian vegetation on reconstructed floodplain surfaces. 7. Remove exotic vegetation from Mined Reach and the Reading Bar Reach. 8. Develop and implement biological, geographic, and riparian monitoring plan. Mary Shroeder, Western Shasta Resource Conservation District. Planning / Implementation; project completed. Restore 3 miles (in 2 reaches) of stream channel and floodplain on public lands along Clear Creek
	AC S	-			64 C. Status of restoring 2 miles of riparian habitat along the lower reaches of Deer Creek				0,000,000	300,000	4,000,000	California State University,		5 111103	Deer Creek Watershed Management/Implementation Program	This project will evaluate and develop a watershed plan for Deer Creek. Tasks include assessment of existing conditions, modeling of flow and sediment transport, identification of issues and conflicts, and the development of a watershed management strategy. Contributes to the process of restoration, protection, and management of riparian and floodplain habitat in the Butte Basin (EMZ). Patricia Bratcher,DFG. Implement water management strategy and water quality program. Implementation; project completed.
64	dC SA	н			64 C. Status of restoring 2 miles of riparian habitat along the lower reaches of Deer Creek	ERP-97-E02	Jan-98	Dec-99	199,554	0	199,554	Chico The Nature	Donald Holtgrieve		Deer and Mill Creek Acquisition and Enhancement	Project will identify willing sellers, complete appraisals, and acquire at least one parcel. Jake Jacobsen, The Nature Conservancy. Implementation; 35 percent complete. Some land has been purchased. Acquire and restore 2,500 acres for a conservation easement on Deer and Mill Creeks. WCB and Packard Foundation will help fund this project.
14 64	SAC S/	<u> </u>			64 C. Status of restoring 2 miles of riparian habitat along the lower reaches of Deer Creek	ERP-98-F20	Aug-99	Dec-02	1,000,000	0	1,000,000	Conservancy Deer Creek Watershed Conservancy	Peggy McNutt		Lower Deer Creek Restoration and Flood Management: Feasibility Study and Conceptual Design	Project will restore connection to the floodplain and expand riparian habitat to the maximum extent possible in the Deer Creek area. ~10 miles. Vieva Swearingen; Deer Creek Watershed Conservancy. Planning and Design; project just started. (7 percent complete).
64 6	SAC	т			64 C. Status of restoring 2 miles of riparian habitat along the lower reaches of Deer Creek	WSP-01-FP-049	Jun-02	Jun-04	212,000	unknown	1,010,200	Deer Creek Watershed Conservancy	Bill Berens, President		Deer Creek Watershed Conservancy Rangeland and Riparian Management Program	Restore 2 miles of the 10 mile target of riparian habitat along the lower reaches of each of the following tributaries: Battle, Clear, Deer, Mill, Butte, Big Chico, Antelope, Feather, Yuba, and Bear Rivers. Project will contribute to the protection of riparian on Deer Ck. through the development and implementation of individual ranch plans which may include fencing of the riparian areas on each ranch.
4	SAC	-			64 C. Status of restoring 2 miles of riparian habitat along the lower reaches of Deer Creek	AERP-00-02			69,000		69.000	AFRP	Tricia Parker	2.7 miles riparian	Protect riparian habitat on the Leininger property on Deer Creek	Objective: Exclude cattle year-round from the riparian zone to protect existing or recently planted riparian vegetation from grazing and trampling. Contract completed 8/2000 between FWS (AFRP) and The Nature Conservancy.
64	SAC S	н			64 C. Status of restoring 2 miles of riparian habitat along the lower reaches of Deer Creek	ERP-02-P26			4,700.000	0	4,700.000	The Nature Conservancy	Jake Jacobson	navildi	Mill and Deer Creeks Protection and Stewardship	Restore ~2 miles of riparian habitat along the lower reaches of Deer Creek. Acquisition; project not complete, 1 property will close in June.
64	SAC	н			64 D. Status of restoring 2 miles of riparian habitat along the lower reaches of Mill Creek	ERP-02-P26			4,700,000	0	4,700,000	The Nature Conservancy	Jake Jacobson		Mill and Deer Creeks Protection and Stewardship	Restore ~2 miles of riparian habitat along the lower reaches of Deer Creek. Acquisition; project not complete, 1 property will close in June.

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	N	99	ojec		ERP Targets taken	Questions for field	ERP PROJECT	START	END	CALFED		Total Project		Principal	anti its		
	WS	RE	Pro	Milestone	from ERPP Vol 2	personnel	NUMBERS	DATE	DATE	Award	Cost Share	Cost	Applicant	Investigator	ng n	Project Name	Comments
	-	AC				64 D. Status of restoring 2 miles of riparian habitat along the lower reaches of Mill Creek							The Nature			Deer and Mill Creek Acquisition and Enhancement	Project will identify willing sellers, complete appraisals, and acquire at least one parcel. Jake Jacobsen, The Nature Conservancy. Implementation; 35 percent complete. Some land has been purchased. Acquire and restore 2,500 acres for a conservation easement on Deer and Mill Creeks.
	6	ŝ	т			64 D. Status of rootaring 2	ERP-98-F20	Aug-99	Dec-02	1,000,000	0	1,000,000	Conservancy	Peggy McNutt		Lower Mill Crock Bingrian Restoration	The project will reators and enhance native riperion vegetation on one
	34	SAC	т			miles of riparian habitat along the lower reaches of Mill Creek	FRP-97-N08	.1u1-98	.lun-01	69.000	169.000	238.000	The Nature	Sue Hubbard; Medhan Mazzoni			or more parcels along Lower Mill Creek. The project focuses on one of the identified gaps in existing riparian habitat near the confluence with the Sacramento River and will contribute toward the long-range goal of restoring a continuous corridor of native riparian vegetation. <i>Wendi</i> <i>Duron,The Nature Conservancy. Implementation. Project</i> <i>completed.</i>
			-			64 D. Status of restoring 2		00100	oun or	00,000	100,000	200,000	Conservancy	megnan mazzoni		Lower Mill Creek Riparian Restoration	The project will restore and enhance native riparian vegetation on one
	4	AC	-			miles of riparian habitat along the lower reaches of Mill Creek						228.000	The Nature	Sue Hubbard	1 milo		or more parcels along lower Mill Creek. The project focuses on one of the identified gaps in existing riparian habitat near the confluence with the Sacramento River and will contribute toward the long-range goal of restoring a continuous corridor of native riparian vegetation. <i>Wendi</i> <i>Duron,The Nature Conservancy. Implementation. Project</i> <i>completed.</i>
-	ø	0	-			64 E. Status of restoring 2	ERP-90-F04					238,000	Conservancy	,wegnan wazzoni	1 mile	Butte Creek Acquisition and Riparian	This contract is for matching funds only towards purchase of 80+ acre
	64	SAC	н			miles of riparian habitat along the lower reaches of Butte Creek	ERP-98-F03	Sep-99	n/a	125,000	422,068	547,068	CSU Chico	Donald Holtgrieve, Dept of Geography and Planning; Laura Lukes Project Manager		Restoration	McAmis Property with approximately 4000 ft of creek frontage. This restoration project will develop methods of channel and floodplain management, and development of a riparian corridor . Paul Ward,DFG. Purchase 80 acres; 4,000 feet of creek footage along Butte Creek. Implementation; project completed.
	64	SAC	н			64 E. Status of restoring 2 miles of riparian habitat along the lower reaches of Butte Creek	ERP-98-F24	Dec-98	Sep-00	76.348	0	76.348	CSU Chico	Donald Holtgrieve, Dept of Geography and Planning,		Butte Creek Riparian Restoration Demonstration	This project will establish riparian restoration (Task 2a). Paul Ward, DFG. Close off all unauthorized vehicle access and monitor water quality, revegetation areas and wildlife populations. Implementation; project completed. The Packard Foundation funded a spring -run chinook salmon project.
	64	SAC	т			64 E. Status of restoring 2 miles of riparian habitat along the lower reaches of Butte Creek	ERP-98-F01	Sep-98	Dec-01	302,745	0	302,745	CSU Chico	Donald Holtgrieve		The Butte Creek Watershed Educational Workshops and Field Tours Series	Contributes to restoration efforts along Butte Creek. The project tasks: 1) Hire the Butte Creek Watershed Coordinator Assistant; 2) Develop the Butte Creek Watershed Education Project; 3) Conduct Butte Creek Watershed Road Survey (identifying sediment problems); 4) Implement the Riparian Education and Geomorphology Analysis of Butte Creek. Paul Ward, DFG. Conduct a road survey that monitors erosion and sedimentation. Train field personnel and maintain data base. Implementation; project completed.
	64	SAC	Т			64 E. Status of restoring 2 miles of riparian habitat along the lower reaches of Butte Creek	AFRP-00-17			59.083		59.083	AFRP	John Icanberry USFWS	.2 miles of riparian enhance ment	Promote re-vegetation of recently rip- rapped areas in the vicinity of Okie Dam on Butte Creek	Objective: Revegetate extensive areas of rip-rap, coordinate a pilot study investigating a methodology for establishing riparian vegetation on cobble fields, and develop a comprehensive restoration plan for the entire 4-mile reach of Butte Creek. The proposal will be carried out in 3 phases: 1) revegetate a 1,000 foot section of rip-rap; 2) coordinate a pilot study investigating a methodology for establishing riparian vegetation on cobble fields to be coordinated by a restoration ecologist; and 3) develop a comprehensive restoration plan for the entire 4-mile reach of Butte Creek utilizing information derived from the cobble field revegetation pilot study. <i>Contract completed 9/2000</i> between FWS (AFRP) and Chico State University, Chico Research Foundation.

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2	Ω.	₽.	Milestone	from ERPP Vol 2	64 F. Status of restoring 2	NUMBERS	DATE	DATE	Award	Cost Share	Cost	Applicant	Investigator	05	Project Name Restoration of the Confluence Area of	Comments Protect and restore 311 acres of flood-prone land located within the
					miles of riparian habitat along										the Sacramento River, Big Chico and	Sacramento River Conservation Area at the confluence of the
					the lower reaches of Big Chico										Mud Creeks	Sacramento River, Big Chico and Mud Creeks at river miles 194-195.
					Creek											Cathy Morris, The Nature Conservancy. Acquisition; just
																beginning.
_	Q ₽											The Nature				
ě	ŝ	т			64 E. Status of restoring 2	ERP-02-P16-D			2,603,377		2,603,377	Conservancy	Sam Lawson	-	Acquire Simmons Panch on Big Chico	This project seeks the initial funding to acquire a 2 724 acre site in the
					miles of riparian habitat along										Creek	Big Chico Creek watershed known as the Simmon's Ranch. Big Chico
					the lower reaches of Big Chico											Creek is one of only four streams in the Sacramento Valley that
					Creek											provide habitat for a wild, persistent population of spring run salmon.
																spring-run holding habitat on Big Chico Creek During the week of
																August 7, 2000, The River Conservancy, a program of River
																Network, an Oregon-based conservation group, closed the
																purchase of this property from private owners, and at the same time sold it to the University's Posparch Foundation. The
																Foundation will own and manage the ranch as a nature preserve
																that will provide educational and research opportunities for
																students.
4	3AC	-				4FRP-00-14			500.000	3 200 000	3 700 000	AFRP	John Icanberry			
e e	0)	-			64 F. Status of restoring 2	ALIXE-00-14			500,000	3,200,000	3,700,000	ALINE	031 1/03		Acquire the Nock property on Big	The Nock property is 125.2 acres located at the confluence of Mud
					miles of riparian habitat along										Chico Creek	and Big Chico Creeks near the Sacramento River in Butte County, Ca.
					the lower reaches of Big Chico											The protection and restoration of the Nock property will help create
					CIEEK											woody debris, and broaden the riparian buffer providing improved
																refugia for juvenile fish. The anticipated long term ecological benefits
																of the proposed project are to help protect and facilitate enhancement
																Objective: Conduct baseline biological and environmental surveys.
																implement interim restoration and start up stewardship actions and
																develop a long term restoration and management plan prior to
	с												John Icanberry			in FY2000.
64	SA	т				AFRP-00-15						AFRP	USFWS			
					64 F. Status of restoring 2										Acquire the Singh property of Big	The Singh property is 40.4 acres located west of Mud Creek, north of
					the lower reaches of Big Chico										Chico Creek	Sacramento River in Butte County, Ca. Objective: Conduct baseline
					Creek											biological and environmental surveys, implement interim restoration
																and start up stewardship actions and develop a long term restoration
																and management plan prior to acquisition by The Nature Conservancy. Contract was signed 8/2000 between FWS (AFRP) and The Nature
																Conservancy. TNC staff, Ayres Associates and CSU Chico
																personnel under contract to TNC are proceeding with data
																collection, a baseline assessment, and hydraulic modeling of the
																Mud Creek and the Sacramento River, and the Nock tract
																between Mud Creek and Big Chico Creek. These studies are
																taking place and will be evaluated within the larger context of the
																portion of its obligations under CalFed Grant # 97-NO2.
														1		
													John Jambar			
5	SAC	π				AFRP-00-16			50,000	250.000	300.000	AFRP	USFWS			
	1				64 F. Status of restoring 2				,000		,000			1	Watershed Plan, Big Chico Creek	This project will evaluate and develop a watershed plan for Big Chico
					miles of riparian habitat along									1		Creek. Tasks include assessment of existing conditions, modeling of
	1				Creek											now and sediment transport, identification of issues and conflicts, and the development of a watershed management strategy. Contributes to
	1															the process of restoration, protection, and management of riparian and
	1											Big Chico				floodplain habitat in the Butte Basin (EMZ). Paul Ward; DFG.
												Creek		1		Planning; project completed. AFRP and DWR funded the design of the fish ladders
7	SAC					FRP-97-F01	Mar-98	Jun-99	422 830	0	422 830	vvatershed Alliance	Joe Karkoski			

64	64	64	64	64	MS Number
SAC	SAC	SAC	SAC	SAC	REGION
т	т	т	н	н	Project Type
					Milestone
					ERP Targets taken from ERPP Vol 2
64 J. Status of restoring 2 miles of riparian habitat along the lower reaches of Bear River	64 I. Status of restoring 2 miles of riparian habitat along the lower reaches of Yuba River	64 I. Status of restoring 2 miles of riparian habitat along the lower reaches of Yuba River	64 H. Status of restoring 2 miles of riparian habitat along the lower reaches of Feather River	64 G. Status of restoring 2 miles of riparian habitat along the lower reaches of Antelope Creek	MS Components or Questions for field personnel
	ERP-99-B09	ERP-99-N17			ERP PROJECT NUMBERS
	Oct-01	Jun-00			CONT START DATE
	Sep-03	Jun-03			RACT END DATE
	171,100	142,618			CALFED Award
	50,000	0			Cost Share
	221,100	142,618			Total Project Cost
	Surface Water Resources Inc.	Yuba Watershed Council/Nevad a County Resource Conservation District			Applicant
	Paul M. Bratovich	Ron Zinke; Cara Wasilewski, also John Van Der Veen			Principal Investigator
	Development of an Implementa Plan for Lower Yuba River Anadromous Fish Habitat Restor	Yuba Watershed Council: Collaborative Approach			Units Units biology bi
	Plan did not talk about riparian habitat restoration but did talk about restoration in general. <i>Ian Drury, DFG. Implementation. Project is</i> <i>75% complete.</i>	Project is to request funding for a watershed coordinator position, including the materials, equipment, and office space necessary to administer and coordinate the efforts of the Yuba Watershed Council. The role of the watershed coordinator is to provide coordination and assistance, adaptive management and monitoring, education and outreach, and continuity and program oversight of current and future watershed projects. May contribute to various Yuba River (EMU) milestones. John Van Derveen; Yuba Watershed Council. Implementation. Project completed.			Comments

				MULTI	SPECIES (CONSE	RVATI	ON STI	RATEG	Y MILE	STONE 6	5 ROLLE	D UP	SUMMARY		
MIL per enh sea EM Bas Riv	ESTO cent of ancing sonal ' Zs: An in, Co er/Sutt	NE 65 Implement 25 i the ERP target for g, protecting, and restoring wetlands in the following herican River Basin, Butte lusa Basin, and Feather er Basin.		/ATION STRATEGY	PROJECTS REVIEWED - ERP-96-M24, ERP-97-N05, ERP-99-B27 Y MILESTC	DNE 65	SUMMA wetland compon concerter conserv prescrib	ARY Th s as an a ed plan c ient of the ed effort s ation and red basins	rree ERP Incillary a or as a de eir overall should foo d that thes s in the S	contracts ctivity to monstrat program cus on se se efforts acramen	s address sea their overall r ion and traini i. It appears asonal wetla be allocated to River Basi	usonal estoration or ng that a nd over the n.	VIEW	/ED TO FORMULATE T	AGENCY NOTES	NOTES CONT'D
		ω				CONT	RACT									
MS Number	REGION	طَّرُ لِـ عَنْ الْمَانِ عَنْ الْمَانِ عَنْ Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT NUMBERS	START	END	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comme	nts
55	SAC	Implement 25 percent of the ERP target for enhancing, protecting, and restoring seasonal wetlands in the following EMZs: American River Basin, Butte Basin, Colusa Basin, and Feather River/Sutter Basin.	American River EMZ: Protect and enhance 5,150 acres of seasonal wetland habitat acreage consistent with the objectives of the Central Valley Habitat Joint Venture and the North American Waterfowl Management Plan	65 A. Status in the American River EMZ of the protection and enhancement of 1200 acres of seasonal wetland habitat acreage consistent with the objectives of the Central Valley Habitat Joint Venture and the North American Waterfowl Management Plan	ERP-97-N05	Mar-99	.lun-00	222 530	0	222 530	Placer County Planning Denartment	Loren Clark		Auburn Ravine/Coon Creek Restoration Planning	Develop a plan with major emphasis riparian and aquatic habitats. <i>John N</i> <i>Game. Planning; pro</i>	on protection and restoration of elson, Department of Fish and ject completed.
<u>6</u>	SAC	T	Butte Basin: Assist in protecting 10,000 acres of existing seasonal welland habitat through fee acquisition or perpetual easements consistent with the goals of the Central Valley Habitat Joint Venture and the North American Waterfowl Management Plan	65 B. Status in the Butte Basin: Assist of protecting 2,500acres of existing seasonal wetland habitat through fee acquisition or perpetual easements consistent with the goals of the Central Valley Habitat Joint Venture and the North American Waterfowl Management Plan	ERP-96-M24	Mar-97	Apr-98	83,100	83,100	166.200	California State University Chico	Jeff Wright		Butte Creek Watershed Management Plan	Paul Ward, DFG. Project o	completed, Planning

5	65	MS Number
U U	SAC	REGION
	т	Project Type
		Milestone
Feather River/Sutter Basin: Assist in protecting 500 acres of existing seasonal wetland habitat through fee acquisition or perpetual easements consistent with the objectives of the Central Valley Habitat Joint Venture and the North American Waterfowl	Colusa Basin: Protect and manage 2,000 acres of existing seasonal wetland habitat consistent with the goals of the Central Valley Habitat Joint Venture and the North American Waterfowl Management Plan	ERP Targets taken from FRPP Vol 2
65 D. Status of the Feather River/Sutter Basin in the assistance in protecting 125 acres of existing seasonal wetland habitat through fee acquisition or perpetual easements consistent with the objectives of the Central Valley Habitat Joint Venture and the North American Waterfowl Management Plan	65 C. Status in the Colusa Basin of the protection and management of 500 acres of existing seasonal wetland habitat consistent with the goals of the Central Valley Habitat Joint Venture and the North American Waterfowl Management Plan	MS Components or Questions for field personnel
	ERP-99-B27	ERP PROJECT
	Oct-99	CONT START DATE
	3/9/03	END
	13.000	CALFED
	7,686	Cost Share
	20,686	Total Project Cost
	Colusa County Resource Conservation District	Applicant
	Patti Ann Turner	Principal Investigator
		Quantifiable Jnits
	Watershed Educational Training	Project Name
	Contributes to monitoring and restoration efforts along the Colusa Basin. The Watershed Educational Training (WET) project revolves around the use of EnviroScape interactive watershed models to teach the importance of how the public's actions can have both positive and adverse effects on the watershed ecosystem. Patti A. Turner, Colusa County Resource Conservation District. Educational; project completed.	Comments

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MILE imple inade steell strea Basir provi Sacra sturg	STO men equat head ms w n tribu de ao amer eon.	DNE ta inst l and vithir utari dequ nto s	66 Develop and program to address stream flows for d Chinook salmon on n Sacramento River ies. Where appropriate uate flows for splittail and green			PROJECTS REVIEWED - ERP-96-M25, ERP-98-C19, ERP-98-E05, ERP-98-E15, ERP-99-B27, ERP-99-B27, ERP-99-B27, ERP-99-N14, ERP-09-B27, ERP-00-E03, ERP-01-C02, ERP-02-P13, ERP-02-P13, ERP-02-09, AFRP-02-09, AFRP-03-01		SUMM/ some a Sacram contrac whethei address adequa sturgeo inadequ	ARY Seve spects of in ento River is may resu a compref inadequat te. The spe n are coinci acies.	eral ERP ar stream flow Basin tribut It in individ nensive pro e instream ecific needs idental in m	nd AFRP co v inadequac taries. Altho ual watershi gram needs flow, or whe s of Sacrame nost cases, r	ntracts have es for variou ugh some o ed plans, it is to be develo ther individu ento splittail a elative to ins	addressed is is unclear oped to al plans are and green tream flow			AGENCY NOTES	NOTES CONT'D
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lber		Type					CON	TRACT	-					iable			
MS Num	REGION	Project	Milestone	ERP Targets taker from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT NUMBERS	START DATE	END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifi Units	Project Name	Comme	ints
9	AC	R	Develop and implement a program to address inadequate instream flows for steelhead and Chinook salmor on streams within Sacramento River Basin tributaries. Where appropriate provide adequate flows for Sacramento split tail and green sturgeon.		66A. Status of a program to address the inadequate instream flows for steelhead and Chinook salmon in the North Sacramento Valley EMZ (Clear Creek, Cow Creek, Bear Creek, Battle Creek)							Western Shasta Resource Conservation	Richard		Battle Creek Watershed Management Strategy Project	Planning / Education; project co DFG	mpleted. Harry Rectenwald,
99	sAC S	sr			66A. Status of a program to address the inadequate instream flows for steelhead and Chinook salmon in the North Sacramento Valley EMZ (Clear Creek, Cow Creek, Bear Creek, Battle Creek)	ERP-96-M25	Feb-99	Apr-01	26,958,100	23,550,900	50,509,000	District DFG and USBR	Harry Rectenwald or Mike Rvan		Battle Creek Salmon and Steelhead Restoration Project	Improve streamflow and remove fish <i>Design; 90 perce</i>	bassage barriers. <i>Planning and nt complete.</i>
99	SAC	SR			66 B. Status of a program to address the inadequate instream flows for steelhead and Chinook salmon in the Cottonwood Creek EMZ (Upper cottonwood Creek, Lower Cottonwood Creek)	ERP-98-E05	Oct-98	Dec-01	161,000	0	161,000	Cottonwood Creek Watershed Group	Vieva Swearingen		Cottonwood Creek Watershed Group Formation	This project will: 1) Identify and organ public land management agencies, managers to form consensus on is Coordinate with resources manage needs and correlate those studies of Research previous studies within the Contributes to the process of restorat of riparian and floodplain habitat in Patricia Bratcher, DFG. Implement for Cottonwood Creek. Implement	nize the landowners to work with interested parties and resource issues and their importance; 2) rs which have studied regional with input from stakeholders; 3) e Cottonwood Creek watershed. on, protection, and management the Cottonwood Creek (EMZ). t watershed stewardship plan intation; project completed.

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qur	z	ц Ту			MS Components or									tifia		
S N	Ö	ojec		ERP Targets taken	Questions for field	ERP PROJECT	START	END	CALFED		Total Project		Principal	lant		
Ϋ́	R	P	Milestone	from ERPP Vol 2	personnel	NUMBERS	DATE	DATE	Award	Cost Share	Cost	Applicant	Investigator	σī	Project Name	Comments
					address the inadequate										Management Plan Group	community-based restoration objectives, pursue funding t
					instream flows for steelhead											projects identified in the Watershed Analysis, and enhan
					and Chinook salmon in the											awareness and education in fisheries and watershed is
					(Upper cottonwood Creek,											milestones for the North Sacramento Valley (EMZ), Cle
					Lower Cottonwood Creek)							Sacramento				(EMU). John McCullah, Sacramento Watersheds Act
"	AC	~										Watersheds				Planning / Education. Project completed.
99	Ś	s			66 B. Status of a program to	ERP-98-E15	Oct-98	May-01	23,828	0	23,828	Action Group	John McCullah		Cottonwood Creek Watershed	Continued management of the Cottonwood Creek Water
					address the inadequate										Monitoring and Assessment	(CCWG) to oversee the implementation of a watershed
					instream flows for steelhead							Cottonwood				phase would assess current conditions in the watershe
					Cottonwood Creek EMZ							Creek				future projects. <i>Patricia Bratcher, DFG. Monitori</i>
G	AC	2			(Upper cottonwood Creek,	555 44 544	0 1 00	D 05				Watershed	Vieva			Assessment; project completed.
ō	S	s			Lower Cottonwood Creek) 66 C. Status of a program to	ERP-00-E03	Oct-00	Dec-05	443,047	0	443,047	Group	Swearingen		Colusa Basin Watershed Project	Contributes to monitoring and restoration efforts along
					address the inadequate										,	Basin (600,000 acres). The Colusa Basin Drain Watershe
					instream flows for steelhead											serve as a project that assists private landowners in add
					Colusa Basin EMZ (Stoney											reactivating important ecological processes and function
					Creek, Elder Creek, Thomes											corridors. The project will consist of 6 to 12 selected site
					Creek, Colusa Basin)											Implement riparian enhancement and other restoration
																Implementation; 75 percent complete. Six sites an
												Colusa				Monitoring and restoration of 600,000 acres
												Resource				
9	3AC	ĸ					lup 01	May 04	402 500	101 000	683 500	Conservation	Christopher Pose			
e	0)	0,			66D. Status of a program to	LIXF -99-IN 14	Jun-01	iviay=04	492,500	191,000	003,300	District	Chilistopher Rose		Real-Time Flow Monitoring	Project provides for the continued operation and mainter
					address the inadequate											stream gauging stations and associated telemetry equip
					and Chinook salmon in the											Deer, Big Chico and Butte creeks. Implementation
					Butte Basin EMZ (Paynes											completed.
					Creek, Antelope Creek, Mill											
					Creek, Butte Creek, Big Chico											
9	AC	Ř			Sink)	EPP 01 002	Oct 01	Sep 04	418 700	0	418 700	CDWR	John Clemente			
9	S	S,		1	66D. Status of a program to	ERF-01-602	001-01	Sep-04	410,700	U	410,700	CDWR	JUIN CIEMENTS		Develop recommendations for	Objective: Within the Butte Slough Sub-area, reduce or eli
					address the inadequate										enhanced fish passage in the Butte	and injury to Butte Creek adult salmon and steelhead an
					instream flows for steelhead										Slough area on lower Butte Creek	eliminate entrainment of juvenile Butte Creek and Sacrai salmon and steelbead and other listed fish species unde
					Butte Basin EMZ (Paynes											flow conditions while maintaining the viability of associate
					Creek, Antelope Creek, Mill											wetlands and agricultural operations. Contract between
					Creek, Deer Creek, Big Chico Creek, Butte Creek, Butte											and Ducks Unlimited, Inc. was signed 8/2000. Initial were held with stakeholders to discuss methodol
					Sink)											process. MBK Engineering developed a list of pumpi
																the Butte Slough area with valid licenses and permit
																and biological and legal issues surrounding the pro
																list of pumping plant sites was reviewed and appro
																stakeholders in September 2002 and the sites were
	1															addition, each site was photographed. A final repo
1	1															available in the spring of 2003.
	Ŷ	~											John Icanberry			
99	SA	SR				AFRP-00-20						AFRP	USFWS			

umber	NC	:t Type			MS Components or		СОИТ	RACT						tifiable		
MS Nu	REGIC	Projec	Milestone	ERP Targets taken from ERPP Vol 2	Questions for field personnel	ERP PROJECT NUMBERS	START DATE	END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quant Units	Project Name	Comments
96	SAC	ĸ			66D. Status of a program to address the inadequate instream flows for steelhead and Chinook salmon in the Butte Basin EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek, Big Chico Creek, Butte Creek, Butte Sink)	ERP-99-B27	Oct-99	Mar-03	13,000	7,686	20.686	Colusa County Resource Conservation District	Patti Ann Turner		Watershed Educational Training	Contributes to monitoring and restoration efforts along the Colusa Basin. The Watershed Educational Training (WET) project revolves around the use of EnviroScape interactive watershed models to teach the importance of how the public's actions can have both positive and adverse effects on the watershed ecosystem. <i>Patti A. Turner,</i> <i>Colusa County Resource Conservation District. Educational;</i> <i>project completed.</i>
99	SAC S	SR S			66 E. Status of a program to address the inadequate instream flows for steelhead and Chinook salmon in the Feather River/Sutter Basin EMZ (Feather River, Yuba Biver)	ERP-01-C02	Oct-01	Sep-04	418.700	0	418.700	CDWR	John Clements		Real-Time Flow Monitoring	Project provides for the continued operation and maintenance of 18 stream gauging stations and associated telemetry equipment for a three-year period. <i>Paul Ward, DFG. Install 18 flow meters on Mill,</i> <i>Deer, Big Chico and Butte creeks. Implementation; project</i> <i>completed.</i>
99	SAC S	SR SR			66 E. Status of a program to address the inadequate instream flows for steelhead and Chinook salmon in the Feather River/Sutter Basin EMZ (Feather River, Yuba River)	ERP-98-C19	Nov-98	Jun-99	7,333	0	7,333	USFWS	Carl Mesick		Conduct and Facilitate Meetings on the Upper Yuba River , Englebright Dam	Project addresses streamflow and erosion issues. Ike Lukenbill USFWS. Planning; project completed.
99	SAC	SR			66 E. Status of a program to address the inadequate instream flows for steelhead and Chinook salmon in the Feather River/Sutter Basin EMZ (Feather River, Yuba River)	AFRP-01-F01			299,606	109,568	409,174	Yuba County Water Agency	Curt Aikens		Narrows 2 Hydro Power Plant Flow Bypass System Design	The Narrows 2 powerplant on the Yuba River just downstream of Englebright Dam. Under existing conditions, anadromous fish in the lower Yuba River can be adversely affected by normal maintenance, emergency operations, and catastrophic failure of the Narrows 2 powerplant or PG&E transmission system. Potential impacts include stranding of juveniles, dewatering of redds, and thermal stress caused by increased river temperatures. Yuba County Water Agency is requesting funding for final engineering design work for a proposed flow bypass system for the Narrows 2 hydroelectric powerplant. The objective is to provide a means of maintaining uninterrupted releases from the Narrows 2 powerplant during temporary or sustained transmission or plant malfunctions for flows up to 3,000 cfs, and, thus, eliminate or substantially reduce flow fluctuations and associated biological impacts caused by scheduled and unscheduled outages of the Narrows 2 powerplant. <i>DFG: Ian Drury; Project is 50%</i> <i>complete - working on designs and permits.</i>
	ic i	~			66 E. Status of a program to address the inadequate instream flows for steelhead and Chinook salmon in the Feather River/Sutter Basin EMZ (Feather River, Yuba River)							Hydrologic Research	Konstantine		INFORM - Integrated Forecast and Reservoir Management Demonstration for Northern California Water Resources	The purpose of this project is to demonstrate, as well as quantify, the improved efficiency of water management in California for hydropower production, water supply and flood control through implementation of an integrated management system for reservoir operation that incorporates global climate model forecasts. May contribute to temperature management problems. <i>Konstatine Georgakakos, Hydrological Research Center; Planning/Research. Project is 20% complete.</i>
99	c sr	Ъ.			66 E. Status of a program to address the inadequate instream flows for steelhead and Chinook salmon in the Feather River/Sutter Basin EMZ (Feather River, Yuba River)	ERP-02-P13	Oct-02	Sep-05	600,000	400,000	1,000,000	Center Yuba County	Georgakakos		Narrows 2 Powerplant Flow Bypass System	Project will construct a 3,000-cfs bypass system to maintain stable releases and water temperatures in the lower Yuba River during emergency and maintenance shutdowns of the Narrows 2 Powerplant. This project will help better understand the effects of managed flow fluctuations on anadromous fish habitat below dams. John Nelson; DFG. Implementation. Construct a 3,000 cfs bypass system to maintain stable releases and water temperature on the Lower Yuba River. 50 percent complete. Construction in progress.
99	SAI	SR				ERP-02-P47	Jul-03	Jun-06	4,280,600	0	4,280,600	Water Agency	Curt Aikens			

MS Number	REGION	e d L L L L L L L L L L L L L L L L L L L	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT NUMBERS	CONT START DATE	END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comments
99	SAC	8		66 E. Status of a program to address the inadequate instream flows for steelhead and Chinook salmon in the Feather River/Sutter Basin EMZ (Feather River, Yuba River)	AFRP-02-09						AFRP	Cesar Blanco USFWS		Lower Yuba River Juvenile Chinook Salmon Life History Evaluation - 2002	Objective: Better understand the life history, population trends, and thermal requirements of juvenile Chinook salmon in the Yuba River, to best improve the adaptive management, including actions such as fish restoration projects and providing appropriate in-stream flow regimes. <i>Project is entering its second year of funding.</i>
9	AC	α <u>ς</u>		66 E. Status of a program to address the inadequate instream flows for steelhead and Chinook salmon in the Feather River/Sutter Basin EMZ (Feather River, Yuba River)								Cesar Blanco		VAKI Riverwatcher Fish Monitoring System at Daguerre Point Dam	Objective: The objective is to purchase two (2) VAKI Riverwatcher fish counting systems with digital camera units in order to track and record fish movement through the fish ladders at Daguerre Point Dam in July 2003. The solar systems used to power the VAKI units were not sufficient to provide reliable operation; hence PRAQUA, the sole distributor for the VAKI system in North America, provided additional solar panels at no cost in order to achieve reliable operation of the VAKI units. The additional solar panels should be in place by September 2003.
99	SAC	8		66 F. Status of a program to address the inadequate instream flows for steelhead and Chinook salmon in the American River EMZ (American Basin, Lower American River)	ERP-97-N05	Mar-99	Jun-00	222,530	0	222,530	Placer County Planning Department	Loren Clark		Auburn Ravine/Coon Creek Restoration Planning	Develop a plan with major emphasis on protection and restoration of riparian and aquatic habitats. John Nelson, Department of Fish and Game. Planning; project completed. Dry Creek Conservancy, Dry Creek Watershed Coordinated Resource Management Plan.
99	SAC	8		66 F. Status of a program to address the inadequate instream flows for steelhead and Chinook salmon in the American River EMZ (American Basin, Lower American River)	ERP-99-N21	Apr-01	Apr-02	250,000	550,000	800.000	Sacramento City-County Office of Metropolitan Water Planning (Water Forum)	Susan Davidson		Development of a River Corridor Management Plan for the Lower American River	The project tasks are: 1) Creates a consensus building process to resolve critical scientific issues, coordinator activities and plans among various agencies and stakeholder forums, and guide broad participation in the development of the River Corridor Management Plan (RCMP); 2) Identify fisheries and aquatic habitat restoration needs and priorities; 3) involve developing an integrated riparian vegetation and preventive erosion control program, a master plan for riparian and terrestrial habitats, and an infrastructure redesign and relocation program for the LAR. John Nelson, DFG. Planning. <i>Project completed.</i>

				MUL	TI SPECIE	S CON	SERVA	ATION S	TRATEG	Y MILEST	ONE 67 -	- ROLLED	UP S	UMMARY		
MILE unimı down steell Basir	STON Deded strear nead of tribut	IE 67 Provide upstream and n passage for salmon and on Sacramento River aries.			PROJECTS RE ERP-96-M01, ER ERP-96-M01, ER ERP-96-M21, ER ERP-97-M03, ER ERP-97-M03, ER ERP-98-821, ER ERP-98-821, ER ERP-98-821, ER ERP-98-824, ER ERP-98-824, ER ERP-99-801, ER ERP-99-803, ER ERP-99-803, ER ERP-99-804, ER ERP-99-804, ER ERP-99-804, ER ERP-01-N16, ER ERP-01-N64, ER ERP-01-N64, ER ERP-02-907, ER CVPIA-02-V02, II AFRP-02-02, AF	VIEWED - P-95-M03, P-96-M12, P-96-M12, P-97-M04, P-97-M04, P-97-M04, P-98-B22, P-98-B29, P-98-B29, P-98-B20, P-98-B07, P-98-B07, P-99-B07, P-99-B207, P-99-B07, P-99-B207, P-99-B207, P-99-B207, P-01-N58, -02-C01-D, -02-P09D, MM-02-I01, RP-02-04, RP-03-01	SUMMA from oth construc unimped Basin Tr	RY Seve er sources tion, and/o led fish pa ibutaries fo	eral ERP, AF s have addre or monitoring issage up an or salmon ar	RP, and CV ssed the pla of projects d downstrea nd steelhead	/PIA contrac anning, perm designed to am Sacrame	ts and funds nitting, o provide nto River			AGENCY NOTES	NOTES CONT'D
		MULTI SPEC	IES CONSEF	RVATION STRATE	GY MILES	TONE	67 E ^v	VALUAT	ION OF I	NDIVIDUA	AL PROJE	ECTS REVI	EWEI	D TO FORMULATE THE	E ROLLED UP SUMMAR	RY
MS Number	REGION	ed Joo Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT	CONT START DATE	END DATE	CALFED	Cost Share	Total Project Cost	Applicant	Principal	Quantifiable Units	Project Name	Comme	nts

MS Numbe	REGION	Project Typ	Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT NUMBERS	START DATE	END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiabl Units	Project Name	Comments
			Provide unimpeded upstream and downstream passage for		67 A. Number of additional miles of passage opened to											
			salmon and steelhead on		salmon and steelhead on the											
			Sacramento River Basin		Sacramento River EMZ											
			tributaries.		(Keswick to Red Bluff, Red											
					Bluff to Chico Landing, Chico											
					Landing to Colusa, Colusa to											
	Ŷ	~			Verona, Verona to											
67	s,	Ŗ			Sacramento)											
					67 B. Number of passage										Anderson - Cottonwood Irrigation	Installation of fish screens and monitor their effectiveness.
					impediments improved or										District Fish Passage and Screen	Project completed, implementation and monitoring
					steelbead on the Sacramento										Filase 5	
					River FMZ (Keswick to Red											
					Bluff, Red Bluff to Chico											
					Landing, Chico Landing to							Anderson				
					Colusa, Colusa to Verona,							Cottonwood				
4	AC	R			Verona to Sacramento)		A	4 04	5 400 000	5 400 000	40,000,000	Irrigation	Dee E.			
9	S	S			67 B. Number of passage	ERP-99-B03	Aug-99	Apr-01	5,100,000	5,100,000	10,200,000	District	Swearingen		Anderson - Cottonwood Irrigation	Planning and Design project completed
					impediments improved or										District Fish Passage and Screen	r hanning and Beorgin, project completed.
					removed for salmon and											
					steelhead on the Sacramento											
					River EMZ (Keswick to Red											
					Bluff, Red Bluff to Chico											
					Landing, Chico Landing to							Anderson -				
					Colusa, Colusa to Verona,							Cottonwood				
	Ŷ	~			Verona to Sacramento)							Irrigation	Dee E.			
67	ŝ	5		1		ERP-98-B03	Aua-98	Mar-99	325.000	0	325.000	District	Swearingen	1		

Number	SION	ect Type			MS Components or		CONT	RACT			Total Brain at		Dringing	intifiable S		
MS	REG	Proj	Milestone	from ERPP Vol 2	personnel	NUMBERS	DATE	DATE	CALFED Award	Cost Share	Cost	Applicant	Investigator	Qua Unit	Project Name	Comments
-	AC	ď			67 B. Number of passage impediments improved or removed for salmon and steelhead on the Sacramento River EMZ (Keswick to Red Bluff, Red Bluff to Chico Landing, Chico Landing to Colusa, Colusa to Verona, Verona to Sacramento)							Tehama - Colusa Canal			Fish Passage Improvement at the Red Bluff Diversion Dam	Planning / Feasibility; project completed.
67 65	SAC	SR			67 B. Number of passage impediments improved or removed for salmon and steelhead on the Sacramento River EMZ (Keswick to Red Bluff, Red Bluff to Chico Landing, Chico Landing to Colusa, Colusa to Verona, Verona to Sacramento)	ERP-98-B24	Dec-99 Feb-99	Cct-99	<u>340,164</u> 860,000	39,100 reduced by 19,240.65	840,759	Authority Anderson - Cottonwood Irrigation District	Arthur R. Bullock Dee E. Swearingen		Anderson - Cottonwood Irrigation District Fish Passage and Fish Screen Improvement Project Phase II Final Design	Planning, Permitting, and Design; project completed.
87	SAC	R			67 B. Number of passage impediments improved or removed for salmon and steelhead on the Sacramento River EMZ (Keswick to Red Bluff, Red Bluff to Chico Landing, Chico Landing to Colusa, Colusa to Verona, Verona to Sacramento)	ERP-98-B29	Sep-99	Jun-02	200.000	250,000	450.000	Natomas Mutual Water Company	Peter J. Hughes		American Basin Fish Screen and Habitat Improvement Project (Feasibility)	Project completed, planning; Peter J. Hughes
67	SAC	SR			67 B. Number of passage impediments improved or removed for salmon and steelhead on the Sacramento River EMZ (Keswick to Red Bluff, Red Bluff to Chico Landing, Chico Landing to Colusa, Colusa to Verona, Verona to Sacramento)	ERP-99-N01	Jun-01	Dec-05	5.100.000	0	5.100.000	Anderson - Cottonwood Irrigation District	Dee E. Swearingen		Anderson - Cottonwood Irrigation District Fish Passage Improvement Project	No description
67	SAC	SR			67 B. Number of passage impediments improved or removed for salmon and steelhead on the Sacramento River EMZ (Keswick to Red Bluff, Red Bluff to Chico Landing, Chico Landing to Colusa, Colusa to Verona, Verona to Sacramento)	ERP-01-N60	Nov-01	Jun-04	950,000	950,000	1,900,000	Natomas Mutual Water Company	Peter J. Hughes		American Basin Fish Screen and Habitat Improvement Project Phase III	Planning and Design; 60 percent done; Peter J. Hughes
67	SAC	SR			67 B. Number of passage impediments improved or removed for salmon and steelhead on the Sacramento River EMZ (Keswick to Red Bluff, Red Bluff to Chico Landing, Chico Landing to Colusa, Colusa to Verona, Verona to Sacramento)	ERP-01-N58	Apr-01	Apr-02	1,574,000	100,100	1,674,100	Tehama - Colusa Canal Authority	Arthur R. Bullock		Fish Passage Improvement Project At The Red Bluff Diversion Dam	Mike Hagman, Tehama Colusa Canal Authority. Fish passage impediment was removed. Implementation; 75 percent complete.

67	67	67		57	MS Number
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sr	SR	SR		SR	Project Type
					Milestone
					ERP Targets taken from ERPP Vol 2
67 B. Number of passage impediments improved or removed for salmon and steelhead on the Sacramento River EMZ (Keswick to Red Bluff, Red Bluff to Chico Landing, Chico Landing to Colusa, Colusa to Verona, Verona to Sacramento)	Verona to Sacramento) 67 B. Number of passage impediments improved or removed for salmon and steelhead on the Sacramento River EMZ (Keswick to Red Bluff, Red Bluff to Chico Landing, Chico Landing to Colusa, Colusa to Verona, Verona to Sacramento)	Landing, Chico Landing to Colusa, Colusa to Verona, Verona to Sacramento) 67 B. Number of passage impediments improved or removed for salmon and steelhead on the Sacramento River EMZ (Keswick to Red Bluff, Red Bluff to Chico Landing, Chico Landing to Colusa, Colusa to Verona,	67 B. Number of passage impediments improved or removed for salmon and steelhead on the Sacramento River EMZ (Keswick to Red Bluff, Red Bluff to Chico	67 B. Number of passage impediments improved or removed for salmon and steelhead on the Sacramento River EMZ (Keswick to Red Bluff, Red Bluff to Chico Landing, Chico Landing to Colusa, Colusa to Verona, Verona to Sacramento)	MS Components or Questions for field personnel
ERP-98-N02	ERP-99-B07	ERP-02-P09D		FRP-02-C01-D	ERP PROJECT
Oct-98	Mar-00	Jul-03		.lul-01	CON START DATE
Mar-00	Dec-01	Jun-06		.lun-05	END DATE
49,000	1,390,000	12,600,000	1,102,000	4 432 966	CALFED Award
71,000	450,000	12,600,000		0	Cost Share
120,000	reduced by modification	25,200,000	4,102,000	4 432 966	Total Project Cost
Institute for Fisheries Resources (IFR)	AFRP	Natomas Mutual Water Co.		USGS	Applicant
Dr. Guy D. Phillips	Arthur R. Bullock	Peter J. Hughes		Charlie Alners	Principal Investigator
					Quantifiable Units
Expanding California Salmon Habitat to Alter Dams and Diversions	Develop recommendations for enhanced fish passage in the Butte Slough area on lower Butte Creek	Fish Passage Improvement Project at the Red Bluff Diversion Dam Phase II	American Basin Fish Screen and Habitat Improvement Project; Phase I and II	Upper Yuba River: Water Quality and Sediment Studies	Project Name
The project has five basic features: 1) document the extent, timing, and financing of the opportunity for acquisition/modification of private dams from willing sellers, (2) identify candidate Central Valley sites, (3) develop a template for analysis and resolution of issues for use by the public and agencies for all potential sites, (4) develop a private sector mechanism to acquire dams from willing sellers, and (5) conduct community and peer review workshops. Contributes to fish passage in all EMZs. <i>William F. "Zeke" Grader, Institute for Fisheries Resources. Planning.</i>	Objective: Within the Butte Slough Sub-area, reduce or eliminate delay and injury to Butte Creek adult salmon and steelhead and reduce or eliminate entrainment of juvenile Butte Creek and Sacramento River salmon and steelhead and other listed fish species under controlled- flow conditions while maintaining the viability of associated managed wetlands and agricultural operations. Contract between FWS (AFRP) and Ducks Unlimited, Inc. was signed 8/2000. Initial meetings were held with stakeholders to discuss methodology and process. MBK Engineering developed a list of pumping plants for the Butte Slough area with valid licenses and permits. Follow-up meeting were held with the stakeholders to discuss data gaps and biological and legal issues surrounding the project. A final list of pumping plant sites was reviewed and approved by the stakeholders in September 2002 and the sites were verified on the ground and located using GPS during October 2002. In addition, each site was photographed. A final report will be available in the spring of 2003.	Planning and Design; project completed. Mike Hagman, Tehama Colusa Canal Authority	Removal of a diversion dam. <i>Removal of a diversion dam and pumps from the Natomas cross canal. Also, consolidate five pumps to two on the Sacramento river and screen them. Implementation; 40 percent done; Peter J. Hughes</i>	Provide unimpeded upstream and downstream passage for salmon and steelhead on Sacramento River Basin tributaries. This is part of a feasibility study to investigate the possibility of expanding spawning habitat for salmonids into the Upper Yuba River, which is currently blocked by Englebright Dam. <i>Ian Drury, DFG. Implementation; 50</i> <i>percent complete. Gravel augmentation only. Implement gravel</i> <i>augmentation.</i>	Comments

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s S	EG	roje		ERP Targets taken	Questions for field	ERP PROJECT	START	END	CALFED		Total Project		Principal	uan nits		
Σ	R	ā	Milestone	from ERPP Vol 2	personnel	NUMBERS	DATE	DATE	Award	Cost Share	Cost	Applicant	Investigator	ø⊃	Project Name	Comments
					miles of passage opened to										Management Plan Group	community-based restoration objectives, pursue funding to implement
					salmon and steelhead on the											projects identified in the Watershed Analysis, and enhance public
					North Sacramento Valley EMZ											awareness and education in fisheries and watershed issues. May
					(Clear Creek, Cow Creek,											contribute to various habitat restoration, protection, and management
					Bear Creek, Ballie Creek)							Sacramento				(EMU), John McCullah, Sacramento Watersheds Action Group.
	ų											Watersheds				Planning / Education. Project completed.
67	sA	SR				ERP-98-E15	Oct-98	May-01	23,828	0	23,828	Action Group	John McCullah			
					67 C. Number of additional										Battle Creek Protection and	One of the project goals is to protect long-term sustainability of
					salmon and steelbead on the										Stewardship	lamprey, chinook salmon and steelhead trout by purchasing
					North Sacramento Valley EMZ											conservation easements on over 6,800 acres of habitat lands. Project
					(Clear Creek, Cow Creek,											not completed, still negotiating on properties. One property may
	ų	~			Bear Creek, Battle Creek)							The Nature				close in fall. Acquisition.
67	۶A	SF				IMM-02-I01	Mar-03		2,206,625	0	2,206,625	Conservancy	Jake Jacobson			
					67 D. Number of passage										Sulphur Creek Coordinated Watershed	Sulphur Creek CRMP will distribute the Watershed Analysis, develop
					removed for salmon and										Management Flan Gloup	projects identified in the Watershed Analysis, and enhance public
					steelhead on the North											awareness and education in fisheries and watershed issues. May
					Sacramento Valley EMZ											contribute to various habitat restoration, protection, and management
					(Clear Creek, Cow Creek,							Sacramento				milestones for the North Sacramento Valley (EMZ), Clear Creek
	U				Bear Creek, Ballie Creek)							Watersheds				Planning / Education. Project completed.
67	SA	SR				ERP-98-E15	Oct-98	May-01	23,828	0	23,828	Action Group	John McCullah			· · · · · · · · · · · · · · · · · · ·
					67 D. Number of passage										Expanding California Salmon Habitat	The project has five basic features: 1) document the extent, timing, and
					removed for salmon and										to Alter Dams and Diversions	from willing sellers. (2) identify candidate Central Valley sites. (3)
					steelhead on the North											develop a template for analysis and resolution of issues for use by the
					Sacramento Valley EMZ											public and agencies for all potential sites, (4) develop a private sector
					(Clear Creek, Cow Creek, Bear Creek, Battle Creek)							Institute for				mechanism to acquire dams from willing sellers, and (5) conduct
					Dear Creek, Dallie Creek)							Fisheries				all EMZs. William F. "Zeke" Grader. Institute for Fisheries
	Ŷ	~										Resources	Dr. Guy D.			Resources. Planning.
67	ſS	ŝ			67 D. Number of passage	ERP-98-N02	Oct-98	Mar-00	49,000	71,000	120,000	(IFR)	Phillips		Pattle Creek Chinesek Salmen and	Postoro and maintain ringrian babitat Blanning: project completed
					impediments improved or										Steelhead Restoration Study	Restore and maintain upanan nabitat. Frammy, project completed.
					removed for salmon and											
					steelhead on the North											
	с				Sacramento Valley EMZ								Harry			
67	SA	SR			Bear Creek, Battle Creek)	ERP-96-M12	Jul-97	Apr-99	306,000	reduced 76,000	230,000	CDFG	Rectenwald			
					67 D. Number of passage										Battle Creek Watershed Management	Planning / Education; project completed. Harry Rectenwald,
					removed for salmon and							Western			Strategy Project	DFG.
					steelhead on the North							Shasta				
					Sacramento Valley EMZ							Resource				
5	3AC	ĸ			(Clear Creek, Cow Creek,	ERP-06-M25	May-07	Oct-99	50 000	50 000	100.000	Conservation District	Richard			
e e	0)	0)			67 D. Number of passage	LITE-90-10123	iviay-37	001-99	50,000	50,000	100,000	District	Daumann		Battle Creek Screens and Fish	Curtis Anderson, DWR. Project completed, Planning and Design
					impediments improved or										Passage	
					removed for salmon and											
					Sacramento Vallev EMZ											
	ų				(Clear Creek, Cow Creek,							DWR Northern	William			
67	sA	SR			Bear Creek, Battle Creek)	ERP-97-M02	Jul-01	Jun-02	395,000	395,000	790,000	District	Mendenhall			
					67 D. Number of passage										Saeltzer Dam Fish Passage (Dam	Buford Holt, Townsend Flat Water and Ditch Company, Project
					removed for salmon and										Permitting	completed, Planning and Design
					steelhead on the North											
	0				Sacramento Valley EMZ							Townsend Flat				
22	SAC	К			(Clear Creek, Cow Creek,	ERP-97-M05	Dec-97	Oct-99	238,200		238 200	Ditch Company	Lee W. Salter			
					67 D. Number of passage		20001	00.00	200,200		200,200	company	Outof		Battle Creek Screens and Fish	Harry Rectenwald, DFG. Planning / Design; project completed.
					impediments improved or										Passage (Reconnaissance	
					removed for salmon and										Investigations)	
					Sacramento Valley EMZ											
Ι.	^v				(Clear Creek, Cow Creek,						1	U.S. Bureau of				
6	õ	S		1	Bear Creek, Battle Creek)	ERP-98-B16	Sep-98	Jul-04	395,000	0	395,000	Reclamation	Carl Werder	1	1	

lumber	NOI	ect Type			MS Components or		CON	RACT	-					ntifiable s		
MS N	REG	Proje	Milestone	ERP Targets taken from ERPP Vol 2	Questions for field personnel	ERP PROJECT NUMBERS	START DATE	END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quai Units	Project Name	Comments
22	SAC I	R			67 D. Number of passage impediments improved or removed for salmon and steelhead on the North Sacramento Valley EMZ (Clear Creek, Cow Creek, Bear Creek, Battle Creek)	FRP-99-N01	Jun-01	Dec-05	5 100 000	0	5 100 000	Anderson - Cottonwood Irrigation	Dee E. Swearingen		Anderson - Cottonwood Irrigation District Fish Passage Improvement Project	No description
67 6	SAC	SR			67 D. Number of passage impediments improved or removed for salmon and steelhead on the North Sacramento Valley EMZ (Clear Creek, Cow Creek, Bear Creek, Battle Creek)	ERP-99-B01	Feb-99	Apr-01	26,958,100	23,550,900	50,509,000	DFG and USBR	Harry Rectenwald or Mike Ryan		Battle Creek Salmon and Steelhead Restoration Project	Improve streamflow and remove fish passage barriers. <i>Planning and Design; 90 percent complete.</i>
67	SAC	SR			67 D. Number of passage impediments improved or removed for salmon and steelhead on the North Sacramento Valley EMZ (Clear Creek, Cow Creek, Bear Creek, Battle Creek)	ERP-99-B08	Dec-99	Oct-05	1,663,400	0	1,663,400	USBR	Carl Werder		Improve Upstream Ladder and Barrier Weir @ Coleman National Fish Hatchery at Battle Creek	Harry Rectenwald, DFG. Planning / Design; 70 percent complete. Planning and designs are nearly complete.
					67 E. Number of additional miles of passage opened to salmon and steelhead on the Cottonwood Creek EMZ (Upper Cottonwood Creek, Lower Cottonwood Creek)							Cottonwood			Cottonwood Creek Watershed Group Formation	This project will: 1) Identify and organize the landowners to work with public land management agencies, interested parties and resource managers to form consensus on issues and their importance; 2) Coordinate with resources managers which have studied regional needs and correlate those studies with input from stakeholders; 3) Research previous studies within the Cottonwood Creek watershed. Contributes to the process of restoration, protection, and management of riparian and floodplain habitat in the Cottonwood Creek (EMZ). Patricia Bratcher, DFG. Implement watershed stewardship plan for Cottonwood Creek. Implementation; project completed.
-	AC	ĸ					Oct 08	Dec 01	161 000	0	161 000	Watershed	Vieva			
57 6	SAC	SR			67 E. Number of additional miles of passage opened to salmon and steelhead on the Cottonwood Creek EMZ (Upper Cottonwood Creek, Lower Cottonwood Creek)	ERP-00-E03	Oct-00	Dec-01	443.047	0	443.047	Cottonwood Creek Watershed Group	Vieva		Cottonwood Creek Watershed Monitoring and Assessment	Continued management of the Cottonwood Creek Watershed Group (CCWG) to oversee the implementation of a watershed plan. This phase would assess current conditions in the watershed (930 sq miles), both as to the land and stream conditions to give a baseline for future projects. <i>Patricia Bratcher</i> , <i>DFG. Monitoring and</i> <i>Assessment; project completed.</i>
67	sAC	SR			67 F. Number of passage impediments improved or removed for salmon and steelhead on the Cottonwood Creek EMZ (Upper Cottonwood Creek, Lower Cottonwood Creek)	ERP-00-E03	Oct-00	Dec-05	443,047	0	443,047	Cottonwood Creek Watershed Group	Vieva Swearingen		Cottonwood Creek Watershed Monitoring and Assessment	Continued management of the Cottonwood Creek Watershed Group (CCWG) to oversee the implementation of a watershed plan. This phase would assess current conditions in the watershed (930 sq miles), both as to the land and stream conditions to give a baseline for future projects. <i>Patricia Bratcher, DFG. Monitoring and</i> <i>Assessment; project completed.</i>
67	SAC	SR			67 F. Number of passage impediments improved or removed for salmon and steelhead on the Cottonwood Creek EMZ (Upper Cottonwood Creek, Lower Cottonwood Creek)	ERP-98-N02	Oct-98	Mar-00	49,000	71,000	120,000	Institute for Fisheries Resources (IFR)	Dr. Guy D. Phillips		Expanding California Salmon Habitat to Alter Dams and Diversions	The project has five basic features: 1) document the extent, timing, and financing of the opportunity for acquisition/modification of private dams from willing sellers, (2) identify candidate Central Valley sites, (3) develop a template for analysis and resolution of issues for use by the public and agencies for all potential sites, (4) develop a private sector mechanism to acquire dams from willing sellers, and (5) conduct community and peer review workshops. Contributes to fish passage in all EMZs. <i>William F. "Zeke" Grader, Institute for Fisheries Resources. Planning.</i>

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Ι.	1	e					CON	TRACT						e		
pe	_	Typ							1					labl		
μn	<u>N</u>	sct			MS Components or									s ntifi		
s	BG	ōjē		ERP Targets taken	Questions for field	ERP PROJECT	START	END	CALFED		Total Project		Principal	nits		
Σ	2	₽.	Milestone	from ERPP Vol 2	personnel	NUMBERS	DATE	DATE	Award	Cost Share	Cost	Applicant	Investigator	σ⊃	Project Name	Comments
					impediments improved or										Formation	public land management agencies interested parties and resource
					removed for salmon and										1 official	managers to form consensus on issues and their importance; 2)
					steelhead on the Cottonwood											Coordinate with resources managers which have studied regional
					Creek EMZ (Upper											needs and correlate those studies with input from stakeholders; 3)
					Cottonwood Creek, Lower											Research previous studies within the Cottonwood Creek watershed.
					Cottonwood Creek)											Contributes to the process of restoration, protection, and managemen
																Patricia Bratcher DEG Implement watershed stewardship plan
																for Cottonwood Creek. Implementation; project completed.
												Cottonwood				
												Creek				
~	AC	2					0-1-00	D 04	101.000	0	404.000	Watershed	Vieva			
9	Ś	S			67 G. Number of additional	ERP-98-E05	Oct-98	Dec-01	161,000	0	161,000	Group	Swearingen		Watershed Educational Training	Contributes to monitoring and restoration efforts along the Colusa
					miles of passage opened to										Watershed Educational Training	Basin The Watershed Educational Training (WET) project revolves
					salmon and steelhead on the											around the use of EnviroScape interactive watershed models to teach
					Colusa Basin EMZ (Stoney											the importance of how the public's actions can have both positive and
					Creek, Elder Creek, Thomes							Colusa County				adverse effects on the watershed ecosystem. Patti A. Turner,
					Creek, Colusa Basin)							Resource				Colusa County Resource Conservation District. Educational;
	Q V	~										Conservation				project completed.
67	Ś	ŝ			0711 N	ERP-99-B27	Oct-99	Mar-03	13,000	7,686	20,686	District	Patti Ann Turner			
					67 H. Number of passage										Expanding California Salmon Habitat	The project has five basic features: 1) document the extent, timing, and
					removed for salmon and										to Alter Dams and Diversions	from willing sellers (2) identify candidate Central Valley sites (3)
					steelhead on the Colusa											develop a template for analysis and resolution of issues for use by the
					Basin EMZ (Stoney Creek,											public and agencies for all potential sites, (4) develop a private sector
					Elder Creek, Thomes Creek,											mechanism to acquire dams from willing sellers, and (5) conduct
					Colusa Basin)							Institute for				community and peer review workshops. Contributes to fish passage in
												Fisheries				all EMZS. William F. "Zeke" Grader, Institute for Fisheries
Ŀ	AC	Ř					Oct 08	Mar 00	40.000	71 000	120.000	Resources	Dr. Guy D. Phillips			Resources. Flamming.
9	0	<i>w</i>			67 I. Number of additional	ERF-90-INUZ	001-96	Ivial-00	49,000	71,000	120,000	(IFK)	Fillips		The Gorrill Dam Fish Screen and Fish	Paul Ward, DFG, project completed, Planning, Feasibility and
					miles of passage opened to										Ladder Project	Design. Tracy Pumps funded one phase of this project.
					salmon and steelhead on the											
					Butte Basin EMZ (Paynes											
					Creek, Antelope Creek, Mill											
	U U				Creek, Deer Creek Big Chico							Gorrill Land				
67	SA	SR			Sink)	ERP-96-M22			67,990	56,500	124,490	Co.	Don Heffren			
					67 I. Number of additional										Gorrill Dam Fish Screen and Fish	Paul Ward, DFG. Planning and design. Project completed.
					miles of passage opened to										Ladder Project	
					samon and steelnead on the											
					Creek Antelope Creek Mill											
					Creek, Deer Creek Big Chico											
					Creek, Butte Creek, Butte											
	0	~			Sink)							Gorrill Land				
67	SA	SR				ERP-97-M03	Sep-98	Nov-99	369,641	1,024,266	1,393,907	Company	Don Heffren			
					67 J. Number of passage										The Gorrill Dam Fish Screen and Fish	Paul Ward, DFG, project completed, Planning, Feasibility and
					removed for salmon and										Lauder Project	Design. Tracy Pumps funded one phase of this project.
					steelhead on the Butte Basin											
					EMZ (Paynes Creek, Antelope											
					Creek, Mill Creek, Deer Creek											
					Big Chico Creek, Butte Creek,											
	PC PC	~			Butte Sink)							Gorrill Land				
67	ŝ	Ś				ERP-96-M22	1	1	67,990	56,500	124,490	Co.	Don Heffren			

umber	NC	st Type			MS Components or		CONT	RACT						tifiable		
NS NL	REGIC	Projec	Milestone	ERP Targets taken from ERPP Vol 2	Questions for field personnel	ERP PROJECT NUMBERS	START DATE	END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quant Units	Project Name	Comments
67	SAC	SR			67 J. Number of passage impediments improved or removed for salmon and steelhead on the Butte Basin EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek Big Chico Creek, Butte Creek, Butte Sink)	ERP-98-N02	Oct-98	Mar-00	49.000	71.000	120.000	Institute for Fisheries Resources (IFR)	Dr. Guy D. Phillips		Expanding California Salmon Habitat to Alter Dams and Diversions	The project has five basic features: 1) document the extent, timing, and financing of the opportunity for acquisition/modification of private dams from willing sellers, (2) identify candidate Central Valley sites, (3) develop a template for analysis and resolution of issues for use by the public and agencies for all potential sites, (4) develop a private sector mechanism to acquire dams from willing sellers, and (5) conduct community and peer review workshops. Contributes to fish passage in all EMZs. <i>William F. "Zeke" Grader, Institute for Fisheries Resources. Planning.</i>
67	SAC	SR			67 J. Number of passage impediments improved or removed for salmon and steelhead on the Butte Basin EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek Big Chico Creek, Butte Creek, Butte Sink)	ERP-95-M02	Jul-97	Dec-97	316,500	591,251	907,751	Durham Mutual Water Co.	Dale Nelson		Durham Mutual Fish Screen and Fish Ladder Project	Install ladder and fish screens on Butte Creek. Project completed. Planning and Implementation. Four Pumps funded an unknown study. Paul Ward, DFG
57	SAC	SR			67 J. Number of passage impediments improved or removed for salmon and steelhead on the Butte Basin EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek Big Chico Creek, Butte Creek, Butte Sink)	FRP-95-M03			0	318 000	318 000	CDEG	Cindy Watanabe		Parrot - Phelan Fish Ladder and Screen	No description, not sure what happened to this contract Install a fish ladder and screens on Parrot -Phelan Dam. Project completed, Paul Ward, DFG. Implementation. Four Pumps funded the planning phase of the same project.
57 E	sAC s	R			67 J. Number of passage impediments improved or removed for salmon and steelhead on the Butte Basin EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek Big Chico Creek, Butte Creek, Butte Sink)	ERP-06-M01	Nov-97	Dec-98	3 005 873	6 361 746	9.457.619	Western Canal	Gany N Brown		Butte Creek Siphon and Associated Improvements	Four diversion dams removed to improve fish passage. Project completed, Implementation, Ted Trimble, Western Canal Water District
2	adc s	8			67 J. Number of passage impediments improved or removed for salmon and steelhead on the Butte Basin EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek Big Chico Creek, Butte Creek, Butte Sink)		Mov-97	Lup 08	70 304	50.000	120.304	Rancho Esquon	Dick Ponciano		Adams Dam Fish Ladder and Screen Feasibility Study	Paul Ward, DFG, project completed. Planning and Design
67 67	SAC	SR			67 J. Number of passage impediments improved or removed for salmon and steelhead on the Butte Basin EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek Big Chico Creek, Butte Creek, Butte Sink)	ERP-97-M03	Sep-98	Nov-99	369,641	1,024,266	1,393,907	Gorrill Land Company	Don Heffren		Gorrill Dam Fish Screen and Fish Ladder Project	Paul Ward, DFG. Planning and design. Project completed.
	SAC	SR			67 J. Number of passage impediments improved or removed for salmon and steelhead on the Butte Basin EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek Big Chico Creek, Butte Creek, Butte Sink)	ERP-97-M04	Jul-98	Nov-99	216,892	679,192	896,084	Rancho Esquon Partners	Rick Ponciano		Adams Ladder and Screen Construction	Construction of a fish ladder and fish screens on Adams Dam. Paul Ward, DFG, Project completed, Implementation. Tracy Pumps funded the preliminary engineering phase of this project.
22	SAC	SR			67 J. Number of passage impediments improved or removed for salmon and steelhead on the Butte Basin EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek Big Chico Creek, Butte Creek, Butte Sink)	FRP-98-B21	Mar-99	.lun-03	1 215 000	0	1 215 000	CDWR	Bill Mendenball		Anadromous Fish Passage at Clough Dam on Mill Creek	Removal of a portion of Clough Dam and installed a siphon underground. Curtis Anderson, DWR. Project completed, implementation

mber	N	t Type			NO 0		CONT	TRACT						fiable	
MS Nu	REGIO	Project	Milestone	ERP Targets taken from ERPP Vol 2	Questions for field personnel	ERP PROJECT NUMBERS	START DATE	END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	or situ D C C C C C C C	Comments
7	AC	¥			67 J. Number of passage impediments improved or removed for salmon and steelhead on the Butte Basin EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek Big Chico Creek, Butte Creek, Butte Sink)		hun 01	Dec 01	1 000 000	1.057.000	2.067.000	California Waterfowl	Dahat Casriela	Butte Creek Sanborn Slough Bifurcation Upgrade Project	Installation of a high flow spillway to help fish passage. Project completed, Implementation.
67 6	SAC SAC	SR			67 J. Number of passage impediments improved or removed for salmon and steelhead on the Butte Basin EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek Big Chico Creek, Butte Creek, Butte Sink)	ERP-01-N53	Jan-02	Apr-04	84.938	0	84.938	California Waterfowl Association	Robert Capriola	White Mallard Dam and Associated Diversions	Planning and Engineering; project completed.
2	AC	R			67 J. Number of passage impediments improved or removed for salmon and steelhead on the Butte Basin EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek Big Chico Creek, Butte Creek, Butte Sink)		Sep 00	Mar 02	775.000	200.000	1 675 000	Ducks	Olen Zirkle	Lower Butte Creek Project Phase II	Planning, Engineering and Design. Project completed. See project ERP-02-P07 for third phase.
37 6	sAC S	SR			67 J. Number of passage impediments improved or removed for salmon and steelhead on the Butte Basin EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek Big Chico Creek, Butte Creek, Butte Sink)	CVPIA-02-V02	Apr-04	Jun-04	753 415	900,000	753 415	Ducks	Olen Zirkle	White Mallard Dam and Associated Diversions Phase III Construction	Fish passage impediments are currently being removed. Implementation; 20 percent complete (new project)
67	SAC	SR			67 J. Number of passage impediments improved or removed for salmon and steelhead on the Butte Basin EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek Big Chico Creek, Butte Creek, Butte Sink)	AFRP-02-04						AFRP	John Icanberry	Lower Butte Creek Project: Sutter Bypass-Willow Slough Weir Fish Passage Project - Preliminary Engineering Investigation	Objective: The work program consists of developing preliminary engineering drawings, construction cost estimates, and an environmental checklist for structural modifications of the Willow Slough Weir flow control structure and fish ladder. The technical report will present alternatives and solutions for an improved fish ladder and appurtenances meeting current codes and standards. Operation flexibility will be designed into the new structure so that adjustments, based on stream flows, hydraulic criteria, and fish passage performance, can be made to optimize fish passage past the weir structure. The project will be coordinated with overall operations plans for the Sutter Bypass and is supported by local stakeholders involved in the Lower Butte Creek Project evaluation. A preferred alternative fish ladder, Pool and Chute, has been selected. Four corrugated metal pipe culverts will join into a headwall with the 6cfs to 300cfs capacity fish ladder. The cost estimate for the structure is underway.
67	SAC	SR			67 J. Number of passage impediments improved or removed for salmon and steelhead on the Butte Basin EMZ (Paynes Creek, Antelope Creek, Mill Creek, Deer Creek, Big Chico Creek, Butte Creek, Butte Sink)	ERP-02-P07	May-03	Apr-06	5,748,112	0	5,748,112	Ducks Unlimited	Olen Zirkle	Butte Sink Water Control Structure Modifications Phase III (Construction	Install fish ladders and overflow gates at Morton, End, North, Drivers Cut, and Tarke Weirs Outfall. Implementation project. Three out of five structures were completed.
37	SAC	ßR			67 L. Number of passage impediments improved or removed for salmon and steelhead in the Feather River/Sutter Basin EMZ (Feather River, Yuba River, Bear River, Honcut Creek, Sutter Bypass)	FRP-98-C19	Nov-98	Jun-99	7 333	0	7 333	LISEWS	Carl Mesick	Conduct and Facilitate Meetings on the Upper Yuba River , Englebright Dan	e These address streamflow and erosion issues. Ike Lukenbill, USFWS. Planning ; project completed.

57	67	67	67	67	57	67	MS Number
SAC	SAC	SAC	SAC	SAC	SAC	SAC	REGION
8	SS	ĸ	с, с,	ĸ	ĸ	SR	Project Type
							Milestone
							ERP Targets taken from ERPP Vol 2
67 N. Number of passage impediments improved or removed for salmon and steelhead in the American River Basin EMZ (American River Basin, Lower American River)	67 N. Number of passage impediments improved or removed for salmon and steelhead in the American River Basin EMZ (American River Basin, Lower American River)	67 M. Number of additional miles of passage opened to salmon and steelhead in the American River Basin EMZ (American River Basin, Lower American River)	67 L. Number of passage impediments improved or removed for salmon and steelhead in the Feather River/Sutter Basin EMZ (Feather River, Yuba River, Bear River, Honcut Creek, Sutter Bypass)	67 L. Number of passage impediments improved or removed for salmon and steelhead in the Feather River/Sutter Basin EMZ (Feather River, Yuba River, Bear River, Honcut Creek, Sutter Rivass)	67 L. Number of passage impediments improved or removed for salmon and steelhead in the Feather River/Sutter Basin EMZ (Feather River, Yuba River, Bear River, Honcut Creek, Sutter Bypass)	67 L. Number of passage impediments improved or removed for salmon and steelhead in the Feather River/Sutter Basin EMZ (Feather River, Yuba River, Bear River, Honcut Creek, Sutter Bypass)	MS Components or Questions for field personnel
ERP-98-N02	ERP-01-N60	ERP-97-N05	AFRP-03-01	AFRP-02-05	ERP-01-N54	ERP-98-N02	ERP PROJECT NUMBERS
Oct-98	Nov-01	Mar-99			Apr-01	Oct-98	CONT START DATE
Mar-00	Jun-04	Jun-00		Sep-03	Jun-02	Mar-00	END DATE
49.000	950,000	222,530			4,783,719	49,000	CALFED Award
71.000	950,000	0			200.000	71,000	Cost Share
120.000	1,900,000	222,530			4.983.719	120,000	Total Project Cost
Institute for Fisheries Resources (IFR)	Natomas Mutual Water Company	Placer County Planning Department	AFRP	AFRP	Ducks	Institute for Fisheries Resources (IFR)	t Applicant
Dr. Guy D. Phillips	Peter J. Hughes	Loren Clark	Cesar Blanco	Cesar Blanco	Olen Zirkle	Dr. Guy D. Phillips	Principal Investigator
							Quantifiable Units
Expanding California Salmon Habitat to Alter Dams and Diversions	American Basin Fish Screen and Habitat Improvement Project Phase III	Auburn Ravine/Coon Creek Restoration Planning	VAKI Riverwatcher Fish Monitoring System at Daguerre Point Dam	Construct an Exclusion Device to Prevent Yuba River Salmon from Accessing the Goldfields	Lower Butte Creek Project Phase III : Facilitation / Coordination and Construction of Three Fish Passage Modifications to the Sutter Bypass West Side Water Control Structures	Expanding California Salmon Habitat to Alter Dams and Diversions	Project Name
The project has five basic features: 1) document the extent, timing, and financing of the opportunity for acquisition/modification of private dams from willing sellers, (2) identify candidate Central Valley sites, (3) develop a template for analysis and resolution of issues for use by the public and agencies for all potential sites, (4) develop a private sector mechanism to acquire dams from willing sellers, and (5) conduct community and peer review workshops. Contributes to fish passage in all EMZs. <i>William F. "Zeke" Grader, Institute for Fisheries Resources. Planning.</i>	Barrier was removed. Project spans across two EMZ's. <i>Planning and Design; 60 percent done. Peter J. Hughes</i>	Develop a plan with major emphasis on protection and restoration of riparian and aquatic habitats. John Nelson, Department of Fish and Game. Planning; project completed.	Objective: The objective is to purchase two (2) VAKI Riverwatcher fish counting systems with digital camera units in order to track and record fish movement through the fish ladders at Daguerre Point Dam. Systems were installed on the ladders at Daguerre Point Dam in July 2003. The solar systems used to power the VAKI units were not sufficient to provide reliable operation; hence PRAQUA, the sole distributor for the VAKI system in North America, provided additional solar panels at no cost in order to achieve reliable operation of the VAKI units. The additional solar panels should be in place by September 2003.	Objective: Replace the existing temporary barrier with a permanent "leaky-dike" barrier to prevent the migration of Yuba River Chinook salmon and steelhead into the Goldfields. Construction completed September 2003 as shown in the photo above.	Water control structures were installed for fish passage at East West Weir, Weir 5 and Guisti Weir. Implementation; project completed.	The project has five basic features: 1) document the extent, timing, and financing of the opportunity for acquisition/modification of private dams from willing sellers, (2) identify candidate Central Valley sites, (3) develop a template for analysis and resolution of issues for use by the public and agencies for all potential sites, (4) develop a private sector mechanism to acquire dams from willing sellers, and (5) conduct community and peer review workshops. Contributes to fish passage in all EMZs. <i>William F. "Zeke" Grader, Institute for Fisheries Resources. Planning.</i>	Comments
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67	67	29	MS Number
SAC SR	SAC SR	SAC SR	REGION Project Type
			Milestone
			ERP Targets taken from ERPP Vol 2
67 N. Number of passage impediments improved or removed for salmon and steelhead in the American River Basin EMZ (American River Basin, Lower American River)	67 N. Number of passage impediments improved or removed for salmon and steelhead in the American River Basin EMZ (American River Basin, Lower American River)	67 N. Number of passage impediments improved or removed for salmon and steelhead in the American River Basin EMZ (American River Basin, Lower American River)	MS Components or Questions for field personnel
ERP-98-B29	ERP-02-P09D	ERP-97-N05	ERP PROJECT NUMBERS
Sep-99	Jul-03	Mar-99	CONT START DATE
Jun-02	Jun-06	Jun-00	END DATE
200,000	12,600,000	222,530	CALFED Award
250,000	12,600,000	0	Cost Share
450,000	25,200,000	222,530	Total Project Cost
Natomas Mutual Water Company	Natomas Mutual Water Co.	Placer County Planning Department	Applicant
Peter J. Hughes	Peter J. Hughes	Loren Clark	Principal Investigator
			Quantifiable Units
American Basin Fish Screen and Habitat Improvement Project (Feasibility)	American Basin Fish Screen and Habitat Improvement Project; Phase I and II	Auburn Ravine/Coon Creek Restoration Planning	Project Name
Project completed, planning; Peter J. Hughes	Removal of a diversion dam. Removal of a diversion dam and pumps from the Natomas cross canal. Also, consolidate five pumps to two on the Sacramento river and screen them. Implementation; 40 percent done. Peter J. Hughes	Develop a plan with major emphasis on protection and restoration of riparian and aquatic habitats. <i>John Nelson, Department of Fish and</i> <i>Game. Planning; project completed.</i>	Comments

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	MULTI SPECIES CONSERVATION STRATEGY MILESTONE 68 ROLLED UP SUMMARY																
MILESTONE 68 On Big Chico Creek, repair the Lindo Channel weir and fish way at the Lindo Channel box culvert at the Five Mile Diversion to improve upstream fish passage.			68 On Big Chico the Lindo Channel way at the Lindo culvert at the Five Mile mprove upstream fish			PROJECTS REVIEWED -	SUMMARY No ERP contracts have been issued to address the Lindo Channel Weir and Fish-way on Big Chico Creek.					ued to on Big Chico			AGENCY NOTES	NOTES CONT'D	
MULTI SPECIES CONSERVATION STRATEGY MILESTONE 68 EVALUATION OF INDIVIDUAL PROJECTS REVIEWED TO FORMULATE THE ROLLED UP SUMMARY																	
MS Number	REGION	Project Type	Milestone On Big Chico Creek, repair the	Image: constraint from the property of the constraint from the constraint from the property of the constraint from the property of the constraint from the property of the constraint from the constraint		Comments											
68	SAC	SR	Lindo Channel weir and fish way at the Lindo Channel box culvert at the Five Mile Diversion to improve upstream fish passage.		Creek, of the repair of the Lindo Channel weir and fish way at the Lindo Channel box culvert at the Five Mile Diversion to improve upstream fish passage.												