				Μ	IULTI SPEC	IES CO	NSERVATI	ON STR	ATEGY	MILEST	DNE 1 F	ROLLED UF	SUN	IMARY		
MILE meth and l imple base the r suffic resto	STOI odolo ment d plar vers a ient to ration	<b>NE 1</b> Develop a gy for evaluating delta flo dynamic patterns and beg ation of an ecologically n to restore conditions in and sloughs of the Delta o support targets for the of aquatic resources.	<i>w</i> in		PROJECTS REVIEWED - ERP-96-M10, ERP-97-B02, ERP-97-B06, ERP-99-B13, ERP-99-N18, ERP-99-N18, ERP-01-C05, ERP-01-C05, ERP-01-C06, ERP-01-C07, ERP-01-N01, ERP-02-C04-D, ERP-02-P19, ERP-02-P22, ERP-02-P30, ERP-02-P38		SUMMARY Some of these c patterns and plai restoration. The watershed such capacity to a vali contracts that sti hydroclimatic pa needed foundatii contracts focuse based plan that of Delta sufficient to	Several ERF ontracts develo nning for impler projects range as developing as developing as develo	P contracts of p a method nentation a from focus a low flow n a low flow n a low flow n a low flow n a low flow n to be veal tevelopmer lisparate ef n that could s of inform nented to re is for the re	were awarded to ology for evaluat nd could be part ed efforts on a re hodel for the Yold aating historic hy t of a methodolog forts at disparate have future appl ation leading to a estore conditions storation of aqua	address aspects ing Delta flow ar of an ecologicall latively small scc b Bypass to impro droclimatic condi gy for evaluating sites in the Delt ication. There h comprehensive, in the rivers and tic resources.	s of this milestone. In dhydrodynamic y based plan for ale within the ove/address flood tions. There are Delta flow and a provide much ave been no ecologically sloughs of the			AGENCY NOTES	NOTES CONT'D
		MULTI S	PECIES CON	SERVATION STRA	TEGY MILE	ESTONE	E 1 EVAL	UATION		DIVIDUAL	PROJEC	TS REVIEW	VED 1	TO FORMULATE THE R	OLLED UP SUMMARY	
dS Number	REGION	voject Type	ERP Targets take	MS Components or Questions for field	ERP PROJECT	CO START		CALFED	Cost	Total Project	Applicant	Principal	Quantifiable Jnits	Project Name	Comm	inte
-	Delta	Develop a methodology for evaluating delta flow and hydrodynamic patterns and begin implementation of an ecologically based plan to restore conditions in the rive and sloughs of the Delta sufficient to support targets f the restoration of aquatic resources.	Multiple targets for restoration of aquatic resources i the Delta.	1 A. Status of the methodology for evaluating delta flow and hydrodynamic patterns.	ERP-96-M10	Sep-97	Dec-99	475,000	Jiare	475,000	University of Washington	Charles Simenstad		Applied Research to Predict the Evolution of Restored Diked Wetlands	Contributes to the development of evaluation methodology that can implementation of an ecologically ba the rivers and sloughs of the Delta to aquatic resources. Project contribu restoration of diked wetlands in the	a delta flow and hydrodynamic be appropriately used in the sed plan to restore conditions in support targets for restoration of tes to the overall knowledge of Delta. <b>Research/Monitoring</b>
	elta	9		1 A. Status of the methodology for evaluating delta flow and hydrodynamic patterns.								David		Sedimentation movement and availability and monitoring in the Delta	The objective of this project is to availability of sediment for ecological <i>Research projec</i>	describe the movement and benefits. David Schoellhamer. t completed.
-	elta Do	<u></u>		1 A. Status of the methodology for evaluating delta flow and hydrodynamic patterns.	ERP-97-B02	Mar-98	Jun-04	1,047,010	213,200	1,260,210	USGS	Schoellhamer		Linked Hydrogeomorphic-Ecosystem Models to Support Adaptive Management: Cosumnes-Mokelumne Paired Basin Project	Develop a model that will be used to of historic and projected land use/land groundwater management methe Research and Planning; The proj reports are being finalized and	simulate the hydrological effects I cover changes and surface and ods. Jeff Mount UC Davis. ect is wrapping up. The final should be available soon.
-	Delta	<u></u>		1 A. Status of the methodology for evaluating delta flow and hydrodynamic patterns.	ERP-01-C05	Oct-04	Sep-04	1,546,016	none	1,248,105	Sacramento Regional County Sanitation District and Department of Water Resources	Curt Schmutte		Feasibility Study of the Ecosystem & Water Quality Benefits Associated with Restoration of Franks Tract, Big Break and Lower Sherman Lake	Feasibility study will evaluate the potr quality/supply, recreational, and other Big Break, and Franks Tract, by moo salt trapping and restoring tidal n investigate how restoration of tidal m tidal flows can increase habitat valu- protect species, and inhibit invas waterweed. Field and secondary data hydrology and constituent transport w Department of Water Resources. completed due to co	ential to create ecosystem, water benefits at lower Sherman Lake, lifying emergent levees to inhibit narsh habitat. The study will arsh with dendritic channels and se for fish and wildlife, including ive plants, such as Brazilian research and modeling of Delta vill be included. Curt Schmutte Feasibility Study. Project not ntract problems.

umber	NO	ct Type			MS Components or		CON	ITRACT	-					tifiable		
N SM	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	Quan Units	Project Name	Comments
					1 A. Status of the methodology for evaluating delta flow and hydrodynamic patterns.										Sedimentation in the Delta and Suisun Bay	This study investigates sediment transport processes in the Delta - which are an integral part of flow and hydrodynamics. David Schoellhamer, USGS, Research. 50% complete. <i>Builds on research</i> <i>funded under ERP-97-B02</i> .
-	Delta	E				ERP-01-C06	Jul-01	Jun-04			1,367,684	USGS	David Schoellhamer			
	elta	А			1 A. Status of the methodology for evaluating delta flow and hydrodynamic patterns.										#1 Transport, Transformation, and Effects of SE and Carbon in the Delta of the Sacto-SJ Rivers: Implications for Ecosystem Restoration;	Development of hydrodynamic models to evaluate SE and C transport, SE sediment record, laboratory studies of SE transformations by phytoplankton. <i>Donna Podger Monitoring.</i> 74% completed.
~		ш			1 A. Status of the	ERP-01-C07	Jul-01	Jun-04			2,600,000	USGS	James Cloern		The Influences Flood Regimes,	Contributes to the development of the methodology for evaluating
	Delta	Ð			methodology for evaluating delta flow and hydrodynamic patterns.	ERP-01-N01	Jan-02	Dec-04	2.521.236		2.521.236	University of California, Davis	Dr. James Quinn		Vegetative and Geomorphic Structures on the Links between Aquatic & Terrestrial Systems.	delta flow and hydrodynamic patterns. Research. Project not completed. They are 1 1/2 years into the project
	g				1 A. Status of the methodology for evaluating delta flow and hydrodynamic patterns.							California State			Two-Dimensional Detailed Hydraulic Model for Determining Flood Conveyance Impacts of Ecosystem Restoration Projects in the Yolo Bypass	Project will improve the existing Yolo Bypass RMA-2 2-D hydraulic model. The tool will be used to evaluate the hydraulic impacts to flood capacity of the Bypass. This is modeling/planning project where they hope to develop a low flow model to evaluate and develop flood management improvements for the Yolo Bypass. Project is not completed. The exemptions for the contract have just recently been approved so the contract is just entering the approval process on the State side in General Services. The model may be an effective tool that could be used in conjunction with restoration planning but the focus of this grant is to evaluate flood capacity and conveyance scenarios.
-	Delt	Ð				ERP-02-C04-D	none listed	none listed	500,257	none	500,257	Board	Peter Rabbon			
F	Delta	EP			1 A. Status of the methodology for evaluating delta flow and hydrodynamic patterns.	ERP-02-P30	Dec-03		747,741	none	747,741	University of Arkansas	David W. Stahle, PhD.		Hydroclimatic Reconstruction and Ancient Blue Oak Mapping of the Drainage Basin of San Francisco Bay	Research hydroclimatic conditions over the past 500 years, contributing to the development of a methodology for evaluating delta flow and hydrodynamic patterns. Project will also contribute to the protection of upland (Blue Oak Communities) in many Ecological Management Zones and Upland Watershed Regions. <i>David W.</i> <i>Stahle Project incomplete. It is a 3 year project.</i>
+	Delta	EP			1 A. Status of the methodology for evaluating delta flow and hydrodynamic patterns.	ERP-02-P38	Nov-03	Oct-06	562,924	none	562,924	University of California, San Diego, Scripps Institute of Oceanography	Noah Knowles		Effects of Climate Variability and Change on the Vegetation and Hydrology of the Bay-Delta Watershed	Research vegetation in shaping the watershed's hydrologic response to climate variability and global climate change, contributing to the development of a methodology for evaluating delta flow and hydrodynamic patterns. The project will assess the role of vegetation in shaping the watershed's hydrologic response to climate variability and global climate change. Project will couple an existing hydrology model of the Sacramento-San Joaquin watershed (Bay-Delta Watershed) to a well-tested vegetation ecosystem process model (BIOME-BGC). Noah Knowles. Project incomplete. It has just started.
-	Delta	EP			1 A. Status of the methodology for evaluating delta flow and hydrodynamic patterns.	ERP-99-N18	Oct-02	Jun-04	104,458	0	104,458	University of California, Davis; Department of Geology	Eric W. Larsen		Geomorphic Model for Demonstration and Feasibility Assessment of Setback Levees: Bay-Delta River Systems	Tasks: 1) Develop new components of meander migration model; 2) Apply meander migration model to simulate levee setback scenarios; 3) Develop computer model for visualization of model output; 4) Prepare model simulations, provide report and recommendations. <i>Eric Larsen. UC Davis. Research; project not complete.</i>

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N SW	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
1	Delta	Ð			1 A. Status of the methodology for evaluating delta flow and hydrodynamic patterns.	ERP-97-B06	Mar-98	Sep-01	1,440,649	0	1,440,649	U.S. Geological Survey	James Cloern and Brian Cole		Assessment of the Sacramento-San Joaquin Delta as Habitat for Production of the Food Resources that Support Fish Recruitment	This project provides a focused assessment of the capacity of different Delta habitats to support the nutritional requirements of the invertebrate biota that sustain population at the upper-trophic-levels. Brian Cole, US Geological Survey. Research; project completed.
					1 A. Status of the methodology for evaluating delta flow and hydrodynamic patterns.										Understanding Tidal Marsh Restoration Processes and Patterns	Researchers propose to build on and expand initial CALFED Category III-supported research in the Sacramento-San Joaquin Delta to address considerable uncertainty in predicting the outcome and ecological benefit of restoring shallow-water tidal habitat in three different regions of the Bay-Delta, Suisun Bay, and San Pablo/North Bay. Charles Simenstad, University of Washington. Research/Monitoring; 99% complete. Fieldwork and research complete. The project addresses considerable uncertainty in predicting the outcome and ecological benefit of restoring shallow-water tidal habitat in three different regions of the Bay Delta: the Delta, Suisun Bay, and San Pablo/North Bay
-	Delta	e B				ERP-99-B13	Aug-00	Jun-04	1,042,245	none	1,063,600	University of Washington	Charles Simenstad			
					1 A. Status of the methodology for evaluating delta flow and hydrodynamic patterns.										Determining the Mechanisms Relating to Freshwater Flow and Abundance of Estuarine Biota (The Fish-X2 Relationships)	Determining the Mechanisms Relating to Freshwater Flow and Abundance of Estuarine Biota (The Fish-X2 Relationships). Wim Kimmerer, Romberg Tiburon Center. Monitoring/Planning. Project completion status not indicated on field review. The project researches a current methodology for evaluating delta flow and hydrodynamic patterns. The project contributes to the development of a delta flow and hydrodynamic evaluation methodology that can be appropriately used in the implementation of an ecologically based plan to restore conditions in the rivers and sloughs of the Delta to support targets for restoration of aquatic resources.
÷	Delta	Б				ERP-02-P19	Feb-04	Jul-06	509,222.00	none	509,222	Romberg Tiburon Center	Wim Kimmerer			
	Ita				1 A. Status of the methodology for evaluating delta flow and hydrodynamic patterns.							Stanford	Stephen		Shallow Open Water Habitats: Hydrodynamics and Benthic Grazing	Project will improve scientific understanding of the linkages between populations of at-risk species and inflows, especially relative to regulatory measures like X2. Stephen Monismith, Stanford University, Department of Civil and Environmental Engineering. Monitoring/Research. Project not completed. The project researches methodologies for evaluating delta flow and hydrodynamic patterns. The project contributes to the development of a delta flow and hydrodynamic evaluation methodology that can be appropriately used in the implementation of an ecologically based plan to restore conditions in the rivers and sloughs of the Delta to support targets for restoration of aquatic resources.
-	Del	8			1 B. Status of a delta flow and	ERP-02-P22	none listed	none listed	471,661.00	none	471,661	University	Monismith		Restoration of Fastern Delta	Restore the Grizzly Slough property as floodplain. The project will
					hydrodynamic evaluation methodology that can be appropriately used in the implementation of an ecologically based plan to restore conditions in the rivers and sloughs of the Delta to support targets for restoration of aquatic resources.							Department of			Floodplain Habitats on Grizzly Slough in the Cosumnes River Watershed	contribute to the extent and continuity of floodplain and riparian corridor in the area of the lower Cosumnes River. Dave Brown, DWR. Planning. The contract is just being finalized so no work has been completed to date. A baseline assessment and detailed topography will be produced for use in the future development and analysis of alternatives
-	Delta	B				ERP-02-C08			300,000	43,200	343,200	Water Resources	Dave Brown	489 acres		

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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	Quar Units	Project Name Comments
				1 B. Status of a delta flow and hydrodynamic evaluation methodology that can be appropriately used in the implementation of an										Geomorphic Model for Demonstration and Feasibility Assessment of Setback Levees: Bay-Delta River Systems       Tasks: 1) Develop new components of meander migration model; 2)         Apply meander migration model to risualization of model output; 4)         Prepare model simulations, provide report and recommendations. Eric Larsen, UC Davis. Research; project not complete.
	lta			ecologically based plan to restore conditions in the rivers and sloughs of the Delta to support targets for restoration of aquatic resources.							University of California, Davis; Department of			
-	е Ш			1 B Status of a delta flow and	ERP-99-N18	Oct-02	Jun-04	104,458	0	104,458	Geology	Eric W. Larsen		Understanding Tidal March Researchers propose to build on and expand initial CALEED Category
				hydrodynamic evaluation methodology that can be appropriately used in the implementation of an ecologically based plan to restore conditions in the rivers and sloughs of the Delta to support targets for restoration of aquatic resources.										Restoration Processes and Patterns Restoration Processes and Patterns Hiselanding Huar Marsh Restoration Processes and Patterns Hiselanding Huar Marsh Hiselanding Huar Marsh Hiselandin Huar Marsh Hiselanding Huar Marsh Hiselanding Huar Ma
~	Delta				ERP-99-B13	Aug-00	Jun-04	1.042.245	none	1.063.600	University of Washington	Charles Simenstad		
_	Delta EP			1 B. Status of a delta flow and hydrodynamic evaluation methodology that can be appropriately used in the implementation of an ecologically based plan to restore conditions in the rivers and sloughs of the Delta to support targets for restoration of aquatic resources.	FRP-99-N06	.lan-00	Jan-03	1 546 016	none	1 546 016	UC Davis	Jeff Mount		Linked Hydrogeomorphic-Ecosystem Models to Support Adaptive Management: Cosumnes-Mokelumne Paired Basin Project Management: Cosumnes-Mokelumne Paired Basin Project Paired Basin Project Models to Support Adaptive Paired Basin Project Models to Support Adaptive Models to Support Adaptive Paired Basin Project Models to Support Adaptive Paired Basin Project Models to Support Adaptive Models to Sup
_	Delta			1 B. Status of a delta flow and hydrodynamic evaluation methodology that can be appropriately used in the implementation of an ecologically based plan to restore conditions in the rivers and sloughs of the Delta to support targets for restoration of aquatic resources.	ERP-01-N01	Jan-02	Dec-04	2.521.236	none	2.521.236	University of California, Davis	Dr. James Quinn		The Influences of Flood Regimes, Vegetative and Geomorphic Structures on the Links between Aquatic & Terrestrial Systems.
	Delta E E			1 B. Status of a delta flow and hydrodynamic evaluation methodology that can be appropriately used in the implementation of an ecologically based plan to restore conditions in the rivers and sloughs of the Delta to support targets for restoration of aquatic resources.	ERP-96-M10	Sep-97	Dec-99	475,000		475,000	University of Washington	Charles Simenstad		Applied Research to Predict the Evolution of Restored Diked Wetlands Evolution of Restored Diked Wetlands the rivers and sloughs of the Delta to support targets for restoration of aquatic resources. Project contributes to the overall knowledge of restoration of diked wetlands in the Delta. <b>Research/Monitoring</b>

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z	5	oje	ERP Targets taken	Questions for field	ERP PROJECT	START		CALFED	Cost	<b>Total Project</b>		Principal	uan		
ŝΫ	RE	້ Milestone	from ERPP Vol 2	personnel	NUMBERS	DATE	END DATE	Award	Share	Cost	Applicant	Investigator	ğ'n	Project Name	Comments
				1 B. Status of a delta flow and										Two-Dimensional Detailed Hydraulic	Project will improve the existing Yolo Bypass RMA-2 2-D h
				hydrodynamic evaluation										Model for Determining Flood	model. The tool will be used to evaluate the hydraulic impact
				methodology that can be										Conveyance Impacts of Ecosystem	capacity of the Bypass. This is modeling/planning project w
				implementation of an										Restoration Projects in the Folo	management improvements for the Volo Bypass <b>Projoc</b>
				ecologically based plan to										Буразз	completed. The exemptions for the contract have just i
				restore conditions in the rivers											been approved so the contract is just entering the ap
				and sloughs of the Delta to											process on the State side in General Services. The mode
				support targets for restoration											an effective tool that could be used in conjunction
				of aquatic resources.											restoration planning but the focus of this grant is to e
	_										California State				flood capacity and conveyance scenarios.
	elta										Reclamation				
~	ă	Ξ		4 D. Clature of	ERP-02-C04-D	none listed	none listed	500,257	none	500,257	Board	Peter Rabbon		Determining the Mashariana D. I. I	Determining the Machanisms Deleting to Freedow (1975)
				bydrodynamic evaluation							1			to Freshwater Flow and Abundance of	Abundance of Estuarine Biota (The Eish-X2 Pelationships)
	1			methodology that can be									1	Estuarine Biota (The Fish-X2	Kimmerer, Romberg Tiburon Center, Monitoring/Pla
				appropriately used in the									1	Relationships)	Project completion status not indicated on field rev
				implementation of an											
				ecologically based plan to											
				restore conditions in the rivers											
				and sloughs of the Delta to											
	a			support targets for restoration							Pombera				
-	Del	<b>A</b>		or aquatic resources.	ERP-02-P19	Feb-04	Jul-06	509,222.00	none	509,222.00	Tiburon Center	Wim Kimmerer			
				1 B. Status of a delta flow and		1.02.01	00.00	000,222.00	nono	000,222.00			1	Hydroclimatic Reconstruction and	Research hydroclimatic conditions over the past 500 ye
				hydrodynamic evaluation										Ancient Blue Oak Mapping of the	contributing to the development of a methodology for evalua
				methodology that can be										Drainage Basin of San Francisco Bay	flow and hydrodynamic patterns. Project will also contribut
				appropriately used in the											protection of upland (Blue Oak Communities) in many Eco
				implementation of an											Management Zones and Upland Watershed Regions. Da
				ecologically based plan to											Stanie. Project incomplete. It is a 3 year project
				and sloughs of the Delta to											
				support targets for restoration											
	, m			of aquatic resources.							Liniversity of	David W/ Stable			
-	Delt	<b>.</b>			ERP-02-P30	Dec-03		747 741	none	747 741	Arkansas	PhD			
•	$\vdash$	-		1 B. Status of a delta flow and				,					1	Shallow Open Water Habitats:	Project will improve scientific understanding of the linkages
				hydrodynamic evaluation									1	Hydrodynamics and Benthic Grazing	populations of at-risk species and inflows, especially rela
				methodology that can be									1		regulatory measures like X2. Stephen Monismith, Sta
	1			appropriately used in the									1		University, Department of Civil and Environmental Engi
	1			Implementation of an									1		Monitoring/Research. Project not completed.
				ecologically based plan to							1				
	1			and sloughs of the Delta to									1		
				support targets for restoration							1				
	elta	<b>a</b>		of aquatic resources.							Stanford	Stephen			
-	ŏ	ш	+	10. Status of the	ERP-02-P22	none listed	none listed	471,661.00	none	471,661.00	University	Monismith			
				implementation of an							1				
				ecologically based plan to									1		
				restore conditions in the rivers									1		
				and sloughs of the Delta									1		
				sufficient to support targets for									1		
i i	elti	a.		the restoration of aquatic							1				
~		ш		resources.	1	1	1	1	1	1	1	1	1	1	

				MULT	I SPECIES	S CONS	SERVA	TION S	TRATE	GY MIL	ESTONE	2 ROLLE	D UP	SUMMARY		
MII pro Th tar a) eva too de ter	ESTOI grams ( goal o gets for levelop iluate th ls; c) ev rices; ai n soluti	<b>NE 2</b> Develop and imple within major tributaries in t f the programs should be salmon and steelhead. T accurate and reliable wat e use of minimum carryor aluate the use of new fac and d) recommend operation	ement temperatu the Eastside De achievement of The programs sh ter temperature ver storage leve iilities such as te onal and/or phys	Ire management Ita Tributaries EMZ. the ERP temperature all include provisions to: prediction models; b) Is and other operational mperature control ical facilities as a long-	PROJECTS REVIEWED -		SUMMA developme major tribu this milest here beca managem	ARY Ther ent and implei itaries in the E one. Other pr use they are r ent milestone.	e have beer mentation of Eastside Del ojects indire not related ir	n no contract: temperature ta Tributaries ctly affect te n a predictive	s awarded that a e management p s EMZ in the mai mperature, but a way to this temp	ddress rograms within nner specified in re not included berature			AGENCY NOTES	NOTES CONT'D
		MULTI SPECI	ES CONSER	VATION STRATED	BY MILEST	ONE 2	EVA		ON OF I	NDIVID	UAL PRC	JECTS RE	VIEW	ED TO FORMULATE T	HE ROLLED UP SUM	MARY
MS Number	REGION	Milestone	ERP Targets taken	MS Components or Questions for field personnel	ERP PROJECT	CONT START	END	CALFED	Cost	Total Project Cost	Applicant	Principal	Quantifiable Jnits	Project Name	Com	ments
2	Delta	Develop and implement temperature management programs within major tributaries in the Eastside Delta Tributaries EMZ. 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.	Maintain mean daily water temperatures at or below levels suitable for all life states of fall-run Chinook salmon.	2 A. Status of accurate and reliable water temperature prediction models for the Cosumnes river												
2	Delta	1		2 B. Status of evaluation of operational tools for temperature management in the Cosumnes River;												
2	Delta			2 C. Status of the evaluation of the use of temperature control devices on the Cosumnes River.												
3	Delta	1		2 D. Status of a temperature management program which achieves the ERP temperature targets for salmon and steelhead for the Cosumnes River												
5	Delta	1		2 E. Status of accurate and reliable water temperature prediction models for the Mokelumne River												

ber		[ype						CONT	CONTRACT	CONTRACT	CONTRACT	CONTRACT	CONTRACT	CONTRACT	CONTRACT	
IS Num	EGION	roject <sup>7</sup>		ERP Targets taken	MS Components or Questions for field	ERP	PROJECT	PROJECT START	PROJECT START END	PROJECT START END CALFED	PROJECT START END CALFED Cost	PROJECT START END CALFED Cost Project	PROJECT START END CALFED Cost Project	PROJECT START END CALFED Cost Project Principal	PROJECT START END CALFED Cost Project Principal E	PROJECT START END CALFED Cost Project Principal 52
2	œ	₽.	Milestone	from ERPP Vol 2	2 E Status of evaluation of	NUMBER	s	CS DATE	S DATE DATE	CS DATE DATE Award	CS DATE DATE Award Share	COST DATE DATE Award Share Cost	AND ATE DATE Award Share Cost Applicant	AS DATE DATE Award Snare Cost Applicant Investigator	AND ATE DATE Award Share Cost Applicant Investigator C $\supset$	Cost Applicant Investigator C Project Name
					the use of minimum carryover											
					storage levels and other											
	lta				operational tools for the											
Я	De	E			Mokelumne River:											
					2 G. Status of the evaluation											
					of the use of new temperature											
	elt	٩			control devices on the											
0		ш			A Mokelumne River		ł			· · · · · · · · · · · · · · · · · · ·						
					2 H. Status of a temperature											
					achieves the ERP temperature											
					targets for salmon and											
	Ita				steelhead for the Mokelumne											
2	De	B			River											
					2 I. Status of accurate and											
	_				reliable water temperature											
	elta	•			prediction models for the											
Я	ŏ	μ			Calaveras River											
					2 J. Status of evaluation of											
					the use of minimum carryover											
	, m				storage levels and other											
	lelt	۵.			operational tools for the											
2		ш			Calaveras River: 2 K. Status of the evaluation of		├───									
					the use of any temperature											
	ta				control devices on the		1									
2	B	B			Calaveras River											
				1	2 L. Status of a temperature	1										
					management program which		1									
					achieves the ERP temperature		1									
	_				targets for salmon and		1									
	elta				steelhead for the Calaveras											
2	ő	1 HL		1	River		1		1							

	MUL	TI SPECIES	CONSE	RVATION S	TRATE	GY MIL	ESTONE	3 ROLLE	ED UP	SUMMARY		
MILESTONE 3 Provide a fall or early winter outflow that emulates the first "winter" rain through the Delta.		PROJECTS REVIEWED -	a fall Som and flows	<b>IMARY</b> There or early winter outf e of the contracts th juantitative informa remains.	e have been r low that emul nat address M tion on fall an	no contracts ates the firs ilestone 1 m d early wint	awarded that ac t "winter" rain thr hay ultimately pro- er flows, but pro-	Idress providing ough the Delta. ovide qualitative vision of those			AGENCY NOTES	NOTES CONT'D
MULTI SPECIES C	CONSERVATION STRATE	GY MILESTO	ONE 3	EVALUATIO	ON OF I	NDIVID	UAL PRC	JECTS RE	EVIEW	/ED TO FORMULATE T	HE ROLLED UP SUMN	IARY
Lange     add     ERP       NO     Dial     Office       SW     Office     Milestone       Provide a fall or early winter outflow that emulates the first winter" rain through the Delta.     State	P Targets taken m ERPP Vol 2 3 A. Status of the implementation of fall or early winter outflow that emulates the first "winter" rain in the Delta.	ERP PROJECT S	CONTRAC START EI DATE DA	TE Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comme	nts
Belta 3	3 B. What years was this successfully implemented?											

					MULT	I SPECIES	CONS	ERVA	TION ST	RATE	GY MILE	STONE 4	ROLLEI	D UP	SUMMARY		
MILE geon sedir to ma grave sedir to str erosi of fis regel Deve reduc recru within EMZ	STO horph aintain el recipient f eam fon an spa herati lop a ce ero itmer the	NE 4 ic as supp n, im ruitm trans chan id de wnin on o nd ir osion on o nd ir osion t on East	I Complete a fluvial sessment of coarse ly needs and sources prove, or supplement ent and natural port processes linked anel maintenance, eposition, maintenance ag areas, and the f riparian vegetation. mplement a program to a and maintain gravel at least one tributary side Delta Tributaries			PROJECTS REVIEWED - ERP-99-N06, AFRP-2000-18, AFRP-2002-01,		SUMMA address ca needs and natural see erosion, an regenerati natural see erosion, an regenerati Mokelumn implement at least on determined	ARY AFR ompletion of a d sources to m diment transp nd deposition on of riparian diment transp nd deposition on of riparian e River. Whe tation of a pro to tributary wild.	P contracts   a geomorphinaintain, imp ort processes , maintenance habitat. An ort processes , maintenance habitat on a ther these c gram to reduthin the East	have been av c assessmen prove or supp es linked to si ce of fish spa a AFRP contra es linked to si ce of fish spa a small reach uce erosion a tside Delta Tr	warded in which t of coarse sedir lement gravel re tream channel m wning areas, an act provides for t tream channel m wning areas, an of the same tribu lead to the deve and maintain gra ibutaries EMZ re	later phases will nent supply cruitment and aintenance, d the nose aspects of aintenance, d the utary, the opment and vel recruitment on rmains to be			AGENCY NOTES	NOTES CONT'D
	1		MULTI SPECIE	ES CONSER	VATION STRATED	GY MILEST	ONE 4	EVA	LUATIO	N OF II	NDIVID	JAL PRO	JECTS RE\	/IEW	ED TO FORMULATE TH	IE ROLLED UP SUMM	ARY
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
	elta	đ,	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 the Eastside Delta Tributaries EMZ.		4 A. 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 for the Eastside Delta Tributary EMU.				1 546 046		1 546 046		loff Maura		Linked Hydrogeomorphic-Ecosystem Models to Support Adaptive Management: Cosumnes-Mokelumne Paired Basin Project	Develop a model that will be used to a of historic and projected land use/land groundwater management metho <i>Research and Planning; The proje</i> <i>reports are being finalized and</i>	simulate the hydrological effects cover changes and surface and ds. Jeff Mount UC Davis. cct is wrapping up. The final should be available soon.
4	Delta	Ē			4 B. Status of the development of a program to reduce erosion and maintain gravel recruitment on at least one tributary within the Eastside Delta Tributaries EMZ - Cosumnes River	ERP-99-N06	Jan-00	Jan-03	1,546,016	none	1,546,016	UC Davis	Jett Mount				
4	Delta	EP			4 C. Status of the implementation of a program to reduce erosion and maintain gravel recruitment on at least one tributary within the Eastside Delta Tributaries EMZ - Cosumnes Piver												

							CONT	PACT								
MS Number	REGION	Project Type	Milestone	ERP Targets taker from ERPP Vol 2	MS Components or n Questions for field personnel	ERP PROJECT NUMBERS	START DATE	END	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comments
	ta				4D. Status of the development of a program to reduce erosion and maintain gravel recruitment on at least one tributary within the Eastside Delta Tributaries EMZ - Mokelumne River	t									Demonstration Project to Test a New Interdisciplinary Approach to Rehabilitating Salmon Spawning in the Cental Valley	Objective: Demonstrate that gravel augn spawning habitat and fluvial complexity is gr by a new computer-aided, 2-dimentional r scale channel hydraulics, geomorphic comp and spawning habitat conditions. Through the approach reached its fourth gener. summer 2002. At the reach scale, grave the bed and increase slopes over constru- reach scale, flow was routed through a i geomorphic units including 3 broad riffi boulder complexes. Boulder complexes localized scour and create shear-zones, hydraulic jumps, and standing waves. P riffle transitions were shaped to promo encourage concentrated flow to diverge term monitoring program to quantify o sustainability is going
4	Delt	₽			4.5. Otatus of the	AFRP-2002-01			254,720		254,720	AFRP	Gonzalo Castillo		Destant 0.0 source of size sizes has liter	
_	Delta	e.			4 E. Status of the implementation of a program to reduce erosion and maintain gravel recruitment on at least one tributary within the Eastside Delta Tributaries EMZ - Mokelumne River	AFRP-2000-18						AFRP	Gonzalo Castillo		Protect 2.3 acres of riparian habitat and reduce streambank erosion 1.5 miles downstream of Camanche Dam on the south side of the Mokelumne River	Upjective: I ne objectives of the propose streambank erosion and the subsequent inp salmonid spawning gravels, increase the r stream temperatures and provide importa insects and escape and resting cover for
4	tta				4 E. Status of the implementation of a program to reduce erosion and maintain gravel recruitment on at least one tributary within the Eastside Delta Tributaries EMZ - Mokelumne River	1									Demonstration Project to Test a New Interdisciplinary Approach to Rehabilitating Salmon Spawning in the Cental Valley	Objective: Demonstrate that gravel augr spawning habitat and fluvial complexity is gr by a new computer-aided, 2-dimentional i scale channel hydraulics, geomorphic com and spawning habitat conditions. Througi the approach reached its fourth gener summer 2002. At the reach scale, grave the bed and increase slopes over constt reach scale, flow was routed through a geomorphic units including 3 broad riff boulder complexes. Boulder complexes localized scour and create shear-zones hydraulic jumps, and standing waves. F riffle transitions were shaped to promo encourage concentrated flow to divergi term monitoring program to quantify i sustainability is goin
4	Delt	Ð			4 E. Status of the	AFRP-2002-01			254,720		254,720	AFRP	Gonzalo Castillo			
4	Delta	Ð			development of a program to reduce erosion and maintain gravel recruitment on at least one tributary within the Eastside Delta Tributaries EMZ - Calaveras River	D t										
	Delta				4 G. Status of the implementation of a program to reduce erosion and maintain gravel recruitment on at least one tributary within the Eastside Delta Tributaries EMZ - Calaveras River	n										

					MU	LTI SPECIE	ES COI	NSERV	ATION S	TRATEG	Y MILES	TONE 5	ROLLED	JP SL	IMMARY		
MILE man feasi setb impr inun seas tribu Tribu	STC agen bility ack le ove c date onal ary v tary	DNE ment v stud evee oppo their bas withi EM	<b>5</b> Develop floodplain plans, including dies to construct ses, to restore and rtunities for rivers to floodplain on a is for at least one n the Eastside Delta Z.			PROJECTS REVIEWED -ERP 96-M06, ERP-97- N14, ERP-98- B17, ERP-98- F19, ERP-99- N06, ERP-99- N15, ERP-01- N10, ERP-02- P45	2	SUMMA to contribu studies to inundate ti Delta Tribu Mokelumm designs th Cosumnes floodplain; Mokelumm riparian re practices,	ARY Sevei te towards dev construct setba heir floodplain o utary EMZ. Proc e rivers to simu at optimize bot s River corridor and continued e River to guid storation, levee and wildlife buf	ral ERP contract elopment of floc ack levees, to re on a seasonal b ojects ranged fric alate hydrogeom h restoration an which will provi development o e willing or inter e setback or imp fers.	ts and funds fro ddplain managei store and impro asis for at least m feasibility pla orophic impacts d flood manage de future opport f a watershed st ested landowne rovement progra	m other sources ment plans, inclu ve opportunities one tributary wit nning of both the of levee setback ment goals; acq unities for restor ewardship plan rs to voluntarily ams, floodplain a	have been used dig feasibility for rivers to thin the Eastside e Cosumnes and and breach uisitions along the ration of the for the implement agriculture			AGENCY NOTES	NOTES CONT'D
	1		MULTI SPEC	CIES CONSE	ERVATION STRATI	EGY MILES	STONE	5 E\	/ALUATI	ON OF IN	IDIVIDUA	L PROJE	CTS REVIE	WED	TO FORMULATE THE	ROLLED UP SUMMAR	Y
<b>AS Number</b>	REGION	Project Type	Milestone	ERP Targets taken	MS Components or Questions for field	ERP PROJECT	CON START	END	CALFED	Cost Share	Total Project	Applicant	Principal	Quantifiable Jnits	Project Name	Comme	nts
2	Delta		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 the Eastside Delta Tributary EMZ.		5 A. Status of floodplain management plans, including feasibility studies to construct setback levees for at least one tributary within the Eastside Delta Tributary EMZ Cosumnes River	ERP-99-N06	Jan-00	Jan-03	1.546.016	none	1.546.016	UC Davis	Jeff Mount		Linked Hydrogeomorphic-Ecosystem Models to Support Adaptive Management: Cosumnes-Mokelumne Paired Basin Project	This project will document and simula levee setback and breach designs tha flood management goals. Jeff Mou Planning; The project is wrapping u finalized and should be	the hydrogeomorphic impacts of at optimize both restoration and <i>nt, UC Davis. Research and</i> <i>p. The final reports are being</i> <i>e available soon.</i>
10	Delta	8			5 A. Status of floodplain management plans, including feasibility studies to construct setback levees for at least one tributary within the Eastside Delta Tributary EMZ Cosumnes River	ERP-02-P45	Jun-03	Jun-05	120.000	none	120.000	William Lettis	William Lettis		Geomorphic and Geological Mapping for Restoration Planning, Sacramento- San Joaquin Delta Region	This project will establish the geomo necessary for floodplain restoration breaching, and planning set-back le Sacramento River. Christopher H Associates, Inc. Monitoring/Planni	rphic and geologic framework evaluation of selective levee vee construction on the lower <i>litchcock, William Lettis &amp;</i> <i>ing. Project 40% completed.</i>
	Ita				5 B. Status of floodplain management plans to restore and improve opportunities for rivers to inundate their floodplain on a seasonal basis for at least one tributary within the Eastside Delta Tributary EMZ Cosumnes River.							The Nature		<2247	Cosumnes River Floodplain Acquisition	Acquire 2,247 acres of which a po sustaining or managed diverse natu Cosumnes River. Unspecified amoun TNC. Acquisition; This grant was Park/Costello, Denier (different par- and 98-F19), and Whaley propertie resulted in protection of VELB, vern and allowed for some testing management strategies on approxim units of protection or restoration a This grant is related to 96-M06 ar miles are provided for that gra contribute towards more floodpl additional acquisition	rtion will be restored to self- ural riparian habitat along the its will be restored. Mike Eaton used for acquisition of the cel than acquired with 97-N14 es. These acquisitions have nal pool, and riparian habitats of different restoration nately 300 acres. Quantifiable are not available at this time. Id some acreages and river nt. The properties could ain restoration once some ons are made.

er		vpe					CON	RACT						ple		
d m	S	CT 1			MS Components or									tifia		
z s	ĒG	oje		ERP Targets taken	Questions for field	ERP PROJECT	START	END	CALFED		Total Project		Principal	uan		
Σ	R	ā	Milestone	from ERPP Vol 2	5 B. Status of floodplain	NUMBERS	DATE	DATE	Award	Cost Share	Cost	Applicant	Investigator	σΞ	Project Name	Comments
					management plans to restore										Restoration, Planning and	acres parcel in project folder. The \$750K would cover less than
					and improve opportunities for										Demonstration	of the listed price of \$1,910K property. Unspecified amounts will
					rivers to inundate their floodplain on a seasonal basis											restored. Mike Eaton, INC. Acquisition; This grant was use
					for at least one tributary within											protection and restoration of riparian and wetland habitats
					the Eastside Delta Tributary											
	g				EMZ Cosumnes River.							The Nature		<175 5		
5	Del	B				ERP-98-F19	Mar-99	Sep-01	750,000	none	750,000	Conservancy	Michael R. Eaton	acres		
					5 B. Status of floodplain										The Valensin Ranch Acquisition and	Acquire 4,356 acres of which a portion will be restored, or maintai
					management plans to restore and improve opportunities for										Restoration Project	riparian habitat to improve floodplain habitat, salmonid shaded rive
					rivers to inundate their											Unspecified amounts will be restored. <i>Acquisition. This grant v</i>
					floodplain on a seasonal basis											used for acquisition of the Valensin Ranch property. The
					tor at least one tributary within the Eastside Delta Tributary											acquisition protected approximately one half mile of riverin riparian habitat 290 acres of aquatic and riparian habitat a
					EMZ Cosumnes River.											Horseshoe Lake, and included about 75 acres of riparian
	lta							none				The Nature		<4356		restoration.
2	å	Ш			5 D. Otatus afflas dalais	ERP-96-M06	Oct-96	listed	1,500,000	10,500,000	12,000,000	Conservancy	Michael R. Eaton	acres	The Melancia Densk Association and	
					5 B. Status of floodplain management plans to restore										The Valensin Ranch Acquisition and Restoration Project	Acquire 2,947 acres of which a portion will be restored, or maintail riparian habitat to improve floodplain habitat, salmonid shaded rive
					and improve opportunities for										···· · · · · · · · · · · · · · · · · ·	aquatic habitat, and instream cover along the Cosumnes River.
					rivers to inundate their											Acquisition. This grant was used along with ERP-98-F19 to
					for at least one tributary within											Woods property for protection and restoration of riparian and
					the Eastside Delta Tributary											wetland habitats. This grant also funded some planning,
					EMZ Cosumnes River.											restoration, and stewardship activities such as installation o
																holdings on the preserve.
	57											<b>T</b> 1 <b>N</b> 1 1				
2	Delt	₽				ERP-97-N14	Oct-96	Sep-02	1,985,100	none	1,985,100	The Nature Conservancy	Michael R. Eaton	<2947 acres		
					5 B. Status of floodplain										Cosumnes/Mokelumne Corridor	PORTION OF MILESTONE ADDRESSED: Acquire a portion o
					and improve opportunities for										and Restoration Planning	agricultural practices. <i>Planning. This project recently got al</i>
					rivers to inundate their										3	extension and has not begun implementation yet. The proje
					floodplain on a seasonal basis											will involve acquiring easements and managing existing
					the Eastside Delta Tributary											inventories of new and existing holdings. Some of the potent
					EMZ Cosumnes River.											easements/acquisitions could contribute to improved floodpla
																habitat opportunities, enhanced wildlife friendly agriculture
																enhancement of optimized seasonal wetlands for greater sand
																cranes.
														of		
	elta	•										The Nature		1179.84		
5	ă	ũ			5 C. Status of floodplain	ERP-01-N10	Mar-03	Mar-04	3,044,342	None	3,044,342	Conservancy	Michael R. Eaton	acres	Continuation of the Lower Mokelumpe	This project will continue with developing a watershed stewardsh
	1				management plans, including										River Watershed Stewardship Program	plan that will voluntarily implement riparian restoration, levee setba
					feasibility studies to construct							San Ioaquin				or improvement programs, floodplain ag practices, and wildlife/a
	1				tributary within the Eastside							County				bumers. Jonn Brodie. Project complete
	B				Delta Tributary EMZ							Resource				
10	Delt	e.			Mokelumne River	ERP-99-N15	May-00	Jun-02	227 000		227 000	Conservation District	John Meek			
		-			5 C. Status of floodplain				,000		,000				Linked Hydrogeomorphic-Ecosystem	This project will document and simulate hydrogeomorphic impacts
	1				management plans, including										Models to Support Adaptive	levee setback and breach designs that optimize both restoration a
					setback levees for at least one										Paired Basin Project	Planning; The project is wrapping up. The final reports are be
	1				tributary within the Eastside											finalized and should be available soon.
	1				Delta Tributary EMZ Mokelumpe River											
	lta															
5	De	L L				ERP-99-N06	Jan-00	Jan-03	1.546.016	none	1.546.016	UC Davis	Jeff Mount			

2	5	2	MS Number
Delta	Delta	Delta	REGION
E	EP	8	Project Type
			Milestone
			ERP Targets taken from ERPP Vol 2
5 F. Status of management plans to restore and improve opportunities for rivers to inundate their floodplain on a seasonal basis for at least one tributary within the Eastside Delta Tributary EMZ - Calaveras River.	5 E. Status of floodplain management plans, including feasibility studies to construct setback levees for at least one tributary within the Eastside Delta Tributary EMZ Calaveras River	5 D. Status of management plans to restore and improve opportunities for rivers to inundate their floodplain on a seasonal basis for at least one tributary within the Eastside Delta Tributary EMZ - Mokelumne River.	MS Components or Questions for field personnel
		ERP-01-N10	ERP PROJECT NUMBERS
		Mar-03	CONT START DATE
		Mar-04	END DATE
		3,044,342	CALFED Award
		None	Cost Share
		3,044,342	Total Project Cost
		The Nature Conservancy	Applicant
		Michael R. Eaton	Principal Investigator
		Portion of 1179.84 acres	Quantifiable Units
		Cosumnes/Mokelumne Corridor Floodplain Acquisition, Management, and Restoration Planning	Project Name
		PORTION OF MILESTONE ADDRESSED: Acquire a portion of 1179.84 acres of which a portion will be managed for wildlife friendly agricultural practices. Planning. This project recently got an extension and has not begun implementation yet. The project will involve acquiring easements and managing existing holdings. It will also contribute to additional biological inventories of new and existing holdings.	Comments

					MUL	TI SPECIE	ES CON	NSERV	ATION S	STRATEC	GY MILES	TONE 6 -	- ROLLED	UP S	UMMARY		
M S of a	ILEST an Joa opera the E pricultu	ONE quin tively RP ta ıral pi	<b>6</b> In the Sacramento- Delta EMZ, enhance at least 15% rget for wildlife friendly actices.			PROJECTS REVIEWED - ERP-98-E11, ERP-99-N15, ERP-00-F02, ERP-01-N10, ERP-01-N23, ERP-02-P08, ERP-02-P21		SUMMA percent of Joaquin Du working gr and land o habitat cor in the Nort operation, acres of ac portion wo continued guide willir	ARY A few the ERP targe elta EMZ. Pro oup establishe wners to enco sistent with et h Delta EMU; and developm gricultural land uld be manage development o ng or interested	v contracts were et for wildlife frie jects included f dor the Yolo b ourage practices conomic viabilit acquisition, cor nent of an impro ls in the East D ef for agricultur of a watershed d landowners to	i issued to coop endly agriculture ostering stakeh ypass which pr that protect an utinued manage wed water man- eita EMU; plann e in a manner ti stewardship pla o voluntarily imp	eratively enhanc practices in the older stewardship ovides a forum fr d enhance fish a oractices in the b ment of existing a agement infrastru- ing of 3,040 acre at optimizes hat n for the Mokelun lement riparian n	e at least 15 Sacramento-San o through the or stakeholders nd wildlife yypass which is agriculture ucture for 9,200 es of which a oitat values; mne River to estoration,		SUMMARY CONTINUED levee setbacd or improvement programs, floodplain agriculture practices, and wildlife buffers; and acquisitions to provide floodplain restoration but wildlife friendly agriculture practices should be considered or applied where consistent with some of the acquisitions. The target to enhance at least 15% (40-75,000 acres) of the ERP target for wildlife finendly agricultural practices may have been met, pending evaluation.	AGENCY NOTES	NOTES CONT'D
	- 1	- 1	MULTI SPEC	IES CONSE	RVATION STRATE	GY MILES	STONE	6 E\	/ALUATI	ION OF II	NDIVIDU	AL PROJE	CTS REVI	EWE	D TO FORMULATE THE	ROLLED UP SUMMAF	RY
	MS Number	Project Type	Milestone	ERP Targets taker from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT	CONT START DATE	END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comme	nts
			In the Sacramento-San Joaquin Delta EMZ, cooperatively enhance at least 15% of the ERP target for wildlife friendly agricultural practices.	Cooperatively manage 40,000 to 75,000 acres of agricultural lands.	6 A. Status of wildlife friendly agricultural practices program in the Sacramento-San Joaquin Delta EMZ.							Yolo Bypass		<59000	Watershed Restoration Strategy for the Yolo Bypass	Project is located in the 59,000 acre Y project is to foster stakeholder stew practices that protect and enhance respecting and maintaining economic users, and maintain flood managemen will be managed as wildlife friendly ag and preliminary planning. Robin Kul established the Yolo Bypass W developed the August 2001 report of Future: Yolo Bypass Managemi identified strategies developed by a bypass that were acceptable appr report did not, however, state what may not meet any milestones since how to get	the purpose of the ardship in order to encourage fish and wildlife habitat, while viability of the land and water t functions. Unspecified amount icultural. Project is for outreach akow. Planning; The program orking Group where they entitled "A Framework for the ent Strategy." The report Il the stakeholders within the oaches for restoration. The to do and where to do it so it it was more of a strategy on there.
		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			6 A. Status of wildlife friendly agricultural practices program in the Sacramento-San Joaquin Delta EMZ.	ERP-98-E11	<u>Jun-99</u>	Jul-01	271,653	none	271,653	Foundation	Robin Kulakow	Portion of 1179.84	Cosumnes/Mokelumne Corridor Floodplain Acquisition, Management, and Restoration Planning	PORTION OF MILESTONE ADDR 1179.84 acres of which a portion will agricultural practices. Planning. I extension and has not begun impl will involve acquiring easemen holdings. It will also contribut inventories of new and existing hol easements/acquisitions could cont habitat opportunities, enhanced restoration opportunities of slough enhancement of optimized seasona. cranes	ESSED: Acquire a portion of be managed for wildlife friendly this project recently got an ementation yet. The project ts and managing existing e to additional biological dings. Some of the potential ribute to improved floodplain wildlife friendly agriculture, habitats, and restoration or wetlands for greater sandhill
		<u>н</u> н			6 A. Status of wildlife friendly agricultural practices program in the Sacramento-San Joaquin Delta EMZ.	ERP-01-N10 ERP-01-N23	Mar-03 Feb-01	Mar-04 Jan-02	3,044,342	None	3,044,342 35,110,873	Conservancy The Nature Conservancy	Michael R. Eaton	acres 9200 acres	Staten Island Acquisition	Wildlife friendly agriculture practices p Joaquin Delta EMZ. Acquisition acquisition of Staten Island. T approximately 9,200 acres of agric managed for wintering wa	rogram in the Sacramento-San . This grant was used for he acquisition protected ultural habitat that had been terfowl and cranes.

S Number	EGION	oject Type		ERP Targets taken	MS Components or Questions for field	ERP PROJECT	CONT	END	CALFED		Total Project		Principal	uantifiable its		
~	Ľ		Wilestone		6 A. Status of wildlife friendly	NUMBERS	DATE	DATE	Awaru	Cost Share	COSI	Applicant	investigator	20	Canal Ranch Habitat Restoration	The basic approach is to promote and develop a self sustaining complex of natural communities while still maintaining agricultural
					Joaquin Delta EMZ.										i nese n	production. Brad Burkholder. The project has been delayed due to the desire of the DFG to ensure consistency between this effort and the larger Delta Regional Ecosystem Restoration Implementation Plan (DRERIP) outreach and planning efforts. The continued delay has been a result of that decision to ensure that efforts conducted on Canal Ranch is consistent with the DRERIP efforts. As you may know, that process is in progress but has shifted its focus to scientific review of the actions called out in the 2000 ERP documents. That effort involves external scientists vetting those actions and given the current freeze on external contracts, the timeline for that keeps getting pushed back.
9	Delta	т				ERP-00-F02	Feb-00	Sep-04	131,980		131,980	Department of Fish and Game	Brad Burkholder			
	elta	_			6 A. Status of wildlife friendly agricultural practices program in the Sacramento-San Joaquin Delta EMZ.		May 00	hun 02	227.000		227.000	San Joaquin County Resource Conservation	John Maak		Continuation of the Lower Mokelumne River Watershed Stewardship Program	This project will continue with developing a watershed stewardship plan that will voluntarily implement riparian restoration, levee setback or improvement programs, floodplain ag practices, and wildlife/ag buffers. <i>John Brodie. Project complete</i>
9	ta	-			6 A. Status of wildlife friendly agricultural practices program in the Sacramento-San Joaquin Delta EMZ.	EKF-39-IN13	May-00	Juli-02	227,000		227,000	Solano Land	John Meek		Restoring Ecosystem Integrity in the Northwest Delta: PHASE II	Restoration of riparian habitat along sloughs in North Delta. Project linked to ERP-02-P21. Julian Mesiler, Solano Land Trust. This project is developing plans for fee acquisition or conservation easement acquisition within the Jepson Prairie-Prospect Island Corridor that protects continued agriculture and encourages wildlife friendly practives. At this time there are no willing sellers.
و	Del	т			6 A. Status of wildlife friendly	ERP-02-P21	Jul-03	Jun-06	246,370		246,370	Trust	Julian Meisler		Staten Island Wildlife Eriendly Farming	Develop on officient and cost effective water management
					6 A. Status of wildlife friendly agricultural practices program in the Sacramento-San Joaquin Delta EMZ.							Ducks Unlimited			Staten Island Wildlife-Friendly Farming Demonstration	Develop an emclent and cost encodive water management infrastructure to maintain and improve sustainable ag and wildlife- friendly farm practices. Mike Eaton, TNC. Implementation. This grant is about one third completed at this time. The project involves improvements to the infrastructure to improve water management strategies for wildlife benefits to the 9,200 acre farming operation. They have completed approximately one half of the interior levee construction and are working on the new pump facility. Milestone 5 could be added to the list because the property could include construction of setback levees to restore and improve floodplain habitat. The long term planning has been delayed by the North Delta Improvements program which is investigating potential opportunities for flood protection.
9	Delta	т				ERP-02-P08	Jul-03	Jun-06	1,507,459	none	1,507,459	Western Regional Office	Jim Well/Patrick Fitzmorris	2500- 5000		

					MULT	I SPECIES	CONS	ERVA	FION ST	RATEO	GY MILE	STONE 7	Rolle	) UP (	SUMMARY		
MILE of 15 less North Delta color delta	STO miles han { , Eas EMU izatio tule	NE 50 to 50 to 50 to 50 to Js th 50 to pea.	7 Restore a minimum slough habitat (widths o 75 feet) in each of the south, Central and West hat allows for the f delta mudwort and			PROJECTS REVIEWED - ERP-97-N10, ERP-98-E11, ERP-00-F02, ERP-01-N10, ERP-02D-P54		SUMMA minimum of the North, colonizatio include: th the purcha with future stages. Pro- habitat suit may be res habitat in t mudwort a	<b>NRY</b> Seve of 15 miles of East, South, ' n of delta mu e restoration ' seo of up to 1, funding. Add ojects in the E table for the c stored. There he South Del nd delta tule	eral ERP con slough habit Central and ' dwort and de of approxima 100 acres, o ditional proje East Delta wi delta mudwoo e are no cont ta or for the o pea.	tracts have b at (widths les West Delta E elta tule pea. ately 1 mile of f which an un cts for the Yo II address pla rt and delta tu Central and V	een used to funct s than 50 to 75 f MUs that allows Projects in the 1 slough habitat ii ispecified portior lo Bypass are in inning for restora- ile pea. A portio al with restoration Vest Delta suitab	d restoration of a eet) in each of for the North Delta n North Delta and c can be restored the planning tition of slough n of 1180 acres n of slough le for the delta			AGENCY NOTES	NOTES CONT'D
			MULTI SPECIE	ES CONSER	VATION STRATEG	GY MILEST	ONE 7	EVA	LUATIO	N OF II	NDIVIDU	JAL PRO	JECTS RE\	/IEWE	ED TO FORMULATE TH	E 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	RACT END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Commei	its
	belta		Restore a minimum of 15 miles of slough habitat (widths less than 50 to 75 feet) in each of the North, East, South, Central and West Delta EMUs that allows for the colonization of delta mudwort and delta tule pea.		7 A. Status of restoration of slough habitat in North Delta suitable for the delta mudwort and delta tule pea.	EDD 08 E11	lup 00	hil 01	274 652		274 652	Yolo Bypass	Bobis Kulakow		Watershed Restoration Strategy for the Yolo Bypass	Unspecified amount of slough habita Delta for the delta mudwort and delta I and preliminary planning. Robin Kul established the Yolo Bypass W developed the August 2001 report e Future: Yolo Bypass Management S strategies developed by all the sta that were acceptable approaches for not, however, state what to do and meet any milestones since it was r get ther	may be restored in the North ule pea. Project is for outreach akow. Planning; The program orking Group where they ntitled "A Framework for the trategy." The report identified reholders within the bypass r restoration. The report did where to do it so it may not nore of a strategy on how to p.
~	Delta	Ţ			7 A. Status of restoration of slough habitat in North Delta suitable for the delta mudwort and delta tule pea.	ERP-02D-P54	2011-28	<u>Jui-U1</u>	2/1,003	none	2/1,003	Solano Land	Julian Meisler		Restoring Ecosystem Integrity in the Northwest Delta: PHASE II	Restoration of riparian habitat along a linked to ERP-02-P21. Julian Me Implementation. Project not com, phases. Yes, in that it provides p management for habitats in thos covers Phase II: Component 1 - Pur conservation easements on of top Calhoun Cut and Lindsey Sloug Conservation Plan for the Jepso Corridor. Easements will be from remain in wildlife friendly agricultur analysis of landscape scale restor Calhoun Cut Ecological Reserve. T bathymetric modeling and	loughs in North Delta. Project isler, Solano Land Trust. oleted, it is in its beginning lanning for restoration and e milestones. This project chase of up to 1,100 acres of ranked properties bordering h as identified in the Site on Prairie-Prospect Island willing sellers and land will re; Component 2 - Feasibility ation on the publicly owned his includes hydrologic and a restoration plan.
2 2	Delta D	T			7 A. Status of restoration of slough habitat in North Delta suitable for the delta mudwort and delta tule pea.	ERP-97-N10	Feb-98	Sep-02	292,801	none	292,801	Solano Land Trust	Julian Meisler	1 mile	Restoring Ecosystem Integrity in the Northwestern Delta	Restore and plant native riparian ha Slough and Calhoun Cut in the Nor Restored riparian vegetation along Calhoun Cut in the North Delta. Res North Delta suitable for the delta i Project com	bitats along 1 mile of Barker th Delta. Implementation. 1 mile of Barker Slough and toration of slough habitat in nudwort and delta tule pea. oleted.

ber		Type				CONT	RACT						able		
MS Num	REGION	تی عقر م ط 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	Comments
	elta			7 B. The number of linear miles of slough habitat restored in the North Delta EMU						\$1,563,506	Solano Land			Restoring Ecosystem Integrity in the Northwest Delta: PHASE II	Restoration of riparian habitat along sloughs in North Delta. Project linked to ERP-02-P21. Julian Meisler, Solano Land Trust. Implementation. Project not completed, it is in its beginning phases. Yes, in that it provides planning for restoration and management for habitats in those milestones. This project covers Phase II: Component 1 - Purchase of up to 1,100 acres of conservation easements on of top ranked properties bordering Calhoun Cut and Lindsey Slough as identified in the Site Conservation Plan for the Jepson Prairie-Prospect Island Corridor. Easements will be from willing sellers and land will remain in wildlife friendly agriculture; Component 2 - Feasibility analysis of landscape scale restoration on the publicly owned Calhoun Cut Ecological Reserve. This includes hydrologic and bathymetric modeling and a restoration plan.
2	ŏ	<u> </u>		7 C. Status of restoration of	ERP-02D-P54	Jul-03?	Jun-06?	\$1,563,506?	?	?	Trust	Julian Meisler		Canal Ranch Habitat Restoration	The north and south boundaries of the property are dead end sloughs
				slough habitat in East Delta mudwort and delta tule pea.										Phase II	which will be addressed in the planning process and alternatives development Brad Burkholder. The project has been delayed due to the desire of the DFG to ensure consistency between this effort and the larger Delta Regional Ecosystem Restoration Implementation Plan (DRERIP) outreach and planning efforts. The continued delay has been a result of that decision to ensure that efforts conducted on Canal Ranch is consistent with the DRERIP efforts. As you may know, that process is in progress but has shifted its focus to scientific review of the actions called out in the 2000 ERP documents. That effort involves external scientists vetting those actions and given the current freeze on external contracts, the timeline for that keeps getting pushed back.
7	Delta	т			ERP-00-F02	Feb-00	Sep-04	131,980		131,980	Department of Fish and Game	Brad Burkholder			
	lelta			7 D. The number of linear miles of slough habitat restored in the East Delta EMU		Eab 02	See 04	124 090		121.020	Department of	Brad Burtholder		Canal Ranch Habitat Restoration Phase II	The north and south boundaries of the property are dead end sloughs which will be addressed in the planning process and alternatives development Brad Burkholder. The project has been delayed due to the desire of the DFG to ensure consistency between this effort and the larger Delta Regional Ecosystem Restoration Implementation Plan (DRERIP) outreach and planning efforts. The continued delay has been a result of that decision to ensure that efforts conducted on Canal Ranch is consistent with the DRERIP efforts. As you may know, that process is in progress but has shifted its focus to scientific review of the actions called out in the 2000 ERP documents. That effort involves external scientists vetting those actions and given the current freeze on external contracts, the timeline for that keeps getting pushed back.
~		<u> </u>		7 D. The number of linear	ERF-00-F02	Feb-00	3ep-04	131,960		131,960	FISH and Game			Cosumnes/Mokelumne Corridor	PORTION OF MILESTONE ADDRESSED: Acquire a portion of
	lelta			miles of slough habitat restored in the East Delta EMU		Mar 02	Mar 04	3 044 242	Nore	3.044.242	The Nature	Michael B. Ester	Portion of 1179-82	Floodplain Acquisition, Management, and Restoration Planning	1179.84 acres of which a portion will be managed for wildlife friendly agricultural practices. Planning. This project recently got an extension and has not begun implementation yet. The project will involve acquiring easements and managing existing holdings. It will also contribute to additional biological inventories of new and existing holdings. 5,6,7,and 15 could be added to the list of milestones because some of the potential easements/acquisitions could contribute to improved floodplain habitat opportunities, enhanced wildlife friendly agriculture, restoration opportunities of slough habitats, and restoration or enhancement of optimized seasonal wetlands for greater sandhill cranes.
~	۵	I I I	1	1	ERP-01-N10	Mar-03	Mar-04	3,044,342	None	3,044,342	Conservancy	INIChael R. Eaton	acres	1	

er		ype					CONT	RACT						ble		
MS Numk	REGION	Project T	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	Quantifia Units	Project Name	Comments
2	Delta	т			7 E. Status of restoration of slough habitat in South Delta suitable for the delta mudwort and delta tule pea.								•			
7	Delta	т			7 F. The number of linear miles of slough habitat restored in the South Delta EMU											
7	Delta	т			7 G. Status of restoration of slough habitat in Central and West Delta suitable for the delta mudwort and delta tule pea.											
2	Delta	-			7 H. The number of linear miles of slough habitat restored in the Central and West Delta EMU											

	STO	NE 8	8 Restore a minimum					SUMMA	RY Sever	al ERP contract	ts funded planni	ng for restoratio	on of nontidal			AGENCY NOTES	NOTES CONT'D
f 500 f non orth, /est I nits r stabl ristly	lish a	0, 1, I em st, Se ectiv at lea	,000, and 2,500 acres hergent wetland in the south, and Central and cological Management vely. east one population of n each EMU.			REVIEWED - ERP-98-C17, ERP-98-E11, ERP-98-F12, ERP-99- C01/C02, ERP- 00-F02, ERP- 00-F02, ERP- 00-F07, ERP- 01-N23, ERP- 02-C07-D, ERP- 02D-P54, ERP- 02D-P54, ERP- 02D-P54, ERP- 02D-P03D, ERP-		emergent t several lar funding, re contracts a Delta and d and West I any of the bristly sed emergent to of bristly set but one pro	wetland in the l ge-scale region sult in restorat assess the pos another multi-c Delta. To date Delta EMUs. ( ge (East Delta) wetland distribu dedge in each. oject plans to a	Delta. Many lar nal planning pro ion of nontidal e sisibility of restora contract project p e, there has beer Only one project ). EXPECTED: uted in the 4 De ACTUAL: No re address establish	ge projects are ijects are under mergent wetlar ation of nontidal plans to restore n no restoration t addresses est Restore a total itla EMUs and e estoration of tid hment of bristly	attempting to a way which may d in the North I emergent wetl up to 244 acre of nontidal emu ablishment of n of 4,250 acres stablish at leas sedge in the E	quire land and with additional Delta. A few and in the East is in the Central ergent wetland in ew populations of of nontidal t one population rish has occurred, ast Delta.				
			MULTI SPEC	IES CONSE	RVATION STRATE	GY MILES	TONE	8 EV	ALUATIO	ON OF IN	IDIVIDUA	L PROJE	CTS REVIE	EWE	D TO FORMULATE THE	E ROLLED UP SUMMA	RY
S Number	GION	oject Type		ERP Targets taken	MS Components or Questions for field	ERP PROJECT	CONT	END	CALFED		Total Project		Principal	lantifiable lits			
WS	RE	Pre	Milestone	from ERPP Vol 2	personnel 8 A. Status of restoration of	NUMBERS	DATE	DATE	Award	Cost Share	Cost	Applicant	Investigator	n C G	Project Name	Comm	ents
			250, 1,000, and 2,500 acres of nontidal emergent wetland in the North, East, South, and Central and West Delta Ecological Management units respectively. Establish at least one		500 acres of nontidal emergent wetland in the North Delta										Planning with TNC for the McCormack- Williamson Property	CALFED CAT III project 97-N14, ac McCormack Williamson Tract. The portion of 97-N14 was later droppe contracts ERP-99-F03, ERP-99-04, P25. <b>Project</b> of	usition & initial site slanning e McCormack Williamson Trad d and assigned to the followir ERP-00-07, ERP-00-08, ERP- completed.
8	Delta	т	population of bristly sedge in each EMU.			ERP-98-C17	Dec-98	Nov-01	24.000	none	24.000	Department of Water Resources	Curt Schmutte				
×	lta Delta	Т	population of bristly sedge in each EMU.		8 A. Status of restoration of 500 acres of nontidal emergent wetland in the North Delta	ERP-98-C17	Dec-98	Nov-01	24,000	none	24,000	Department of Water Resources Yolo Bypass	Curt Schmutte		Watershed Restoration Strategy for the Yolo Bypass	Unspecified amount will be restored the North Delta. Project is for outr Robin Kulakow. Planning; The p Bypass Working Group where th report entitled "A Framework f Management Strategy." The i developed by all the stakeholder acceptable approaches for rest however, state what to do and wh any milestones since it was mor there	as nontidal emergent wetlan each and preliminary planning rogram established the YoJ y developed the August 20 or the Future: YoJo Bypass report identified strategies s within the bypass that we oration. The report did not, ere to do it so it may not me e of a strategy on how to ge a.
8	Delta	Т	population of bristly sedge in each EMU.		8 A. Status of restoration of 500 acres of nontidal emergent wetland in the North Delta 8 A. Status of restoration of	ERP-98-C17 ERP-98-E11	Dec-98 Jun-99	Nov-01 Jul-01	24,000	none	24,000 271,653	Department of Water Resources Yolo Bypass Foundation	Curt Schmutte Robin Kulakow		Watershed Restoration Strategy for the Yolo Bypass	Unspecified amount will be restored the North Delta. Project is for outr Robin Kulakow. Planning; The p Bypass Working Group where thu report entitled "A Framework f Management Strategy." The I developed by all the stakeholder acceptable approaches for rest however, state what to do and wh any milestones since it was mor there	as nontidal emergent wetland each and preliminary planning rogram established the Yol ey developed the August 20 or the Future: Yolo Bypass report identified strategies s within the bypass that we oration. The report did not, ere to do it so it may not me e of a strategy on how to ge a.
20	ta Delta Delta	T	population of bristly sedge in each EMU.		<ul> <li>8 A. Status of restoration of 500 acres of nontidal emergent wetland in the North Delta</li> <li>8 A. Status of restoration of 500 acres of nontidal emergent wetland in the North Delta</li> </ul>	ERP-98-C17 ERP-98-E11	Dec-98 Jun-99	Nov-01	24,000 271,653	none	24,000	Department of Water Resources Yolo Bypass Foundation	Curt Schmutte Robin Kulakow		Watershed Restoration Strategy for the Yolo Bypass	Unspecified amount will be restored the North Delta. Project is for outr Robin Kulakow. Planning; The p Bypass Working Group where th report entitled "A Framework f Management Strategy." The i developed by all the stakeholder acceptable approaches for rest however, state what to do and wh any milestones since it was mor there Acquire 555 acres of which a portion wetland in the North Delta will be re stage. Tom Harvey, USFWS. A planning; the Sun River was purch Lands Cons	as nontidal emergent we each and preliminary plar rogram established the y developed the Augus or the Future: Yolo Byp, report identified strategi s within the bypass that orration. The report did ere to do it so it may no e of a strategy on how t e. 142.4 acres of nontidal er stored. Acquiring and pla cquisition and some init ased for the FWS by An ervancy.

			ω	MS Number
Delta	Delta	Delta	Delta	REGION
I	T	T	т	Project Type
				Milestone
				ERP Targets taken from ERPP Vol 2
8 A. Status of restoration of 500 acres of nontidal emergent wetland in the North Delta	8 A. Status of restoration of 500 acres of nontidal emergent wetland in the North Delta	8 A. Status of restoration of 500 acres of nontidal emergent wetland in the North Delta	8 A. Status of restoration of 500 acres of nontidal emergent wetland in the North Delta	MS Components or Questions for field personnel
ERP-00-F07	ERP-00-F06	ERP-99-F04	ERP-99- C01/C02	ERP PROJECT NUMBERS
Feb-00		Jan-00	none listed	CONT START DATE
Nov-04	Sep-04	Jul-02	Mar-04	RACT END DATE
355.000	2,623,043	5,356,000	1,007,800	CALFED Award
250.000		none	none	Cost Share
605.000	2,623,043	5,356,000	1,063,600	Total Project Cost
Department of Water Resources	US Fish & Wildlife Service	The Nature Conservancy	The Nature Conservancy	Applicant
Curt Schmutte	Thomas Harvey	Michael R. Eaton	Michael R. Eaton	Principal Investigator
				Quantifiable Units
McCormick Williamson Tract Phase II Restoration Planning	Liberty Island acquisition and Restoration, Phase 1	McCormick Williamson Tract's Acquisition	Lower Cosumnes-Mokelumne Rivers Feasibility Study	Project Name
Property is 1600 acres, a portion will be restored to nontidal emergent wetland. Project currently in the planning process. (Also see ERP-99- F04, ERP-99-F03, ERP-00-08, ERP-99-F04, ERP-99-F03, ERP-02- P25). Keith Whitener, TNC. Planning for the property is ongoing. Some of the money has been used by TNC/UC Davis to develop a MIKE11 model to develop and analyze restoration alternatives. Other parts of the grant have been used to fund the the North Delta Science Panel and for contracts to develop a more regional model to evaluate potential alternatives for the property for a broader, multi-program project such as the North Delta Improvements. The project could eventually contribute to the milestones identified but the future habitats and operation of the property is uncertain at this time due to the North Delta Improvements planning process. The property is being considered under a broader, multi-program effort so further implementation is uncertain at this time.	The approach is going to be passive by the Service to allow natural revegetation of the area. This grant is for six tasks: fee title acquisition of the remaining two privately owned properties on Liberty Island: conduct restoration planning for Liberty Island; implement a monitoring program for the restoration; operate and manage the restored island for three years; and, acquire fee title interest in two additional properties within the proposed North Delta National Wildlife Refuge. Tom Harvey, USFWS. Acquisition and planning. Portions of the project have stalled. The acquisition of the two remaining inholdings is being evaluated by new partners. Other parts of the grant such as monitoring has begun to collect some baseline information on the site. Plans have not been finalized for restoration and management yet so definitive linkages to milestones are not available at this time. The property is currently inundated and functioning as intertidal wetlands.	Acquisition to restore an unspecified amount of nontidal emergent wetland in the North Delta. Also see ERP-99-F03, ERP-00-07, ERP- 00-08, ERP-02-P25. Keith Whitener, TNC. Acquisition; The property was acquired by the Nature Conservancy. They are still working on planning for the long term management of the property. The project could eventually contribute to the milestones identified but the future habitats and operation of the property is uncertain at this time due to the North Delta Improvements planning process. The property is being considered under a broader, multi-program effort so further implementation is uncertain at this time. There is also the need to do additional levee resloping to improve stability and habitat values before other modifications are made to the interior of the property such as breeching the exterior levees.	Feasibility study of ecosystem restoration opportunities (particularly those with flood hazard reduction benefits) on the Cosumnes river and Mokelumne River. Supports Cosumnes River and Mokelumne River Acquisition and restoration projects which have numerous ecosystem benefits as already documented in other on going contracts. (Also see ERP-99-F04, ERP-99-F03, ERP-00-07, ERP-00-08, ERP-99-F04, ERP- 99-F03, ERP-02-P25). Mike Eaton, TNC. Planning; This grant was recently shifted to the Authority where they are working on a new scope for the project with the project proponents (TNC, SAFCA, Sac County, and EBMUD).	Comments

er		be				CONT	RACT	-					ble		
Mumb	GION	Jject T)	ERP Targets taker	MS Components or Questions for field	ERP PROJECT	START	END			Total Project		Principal	antifial its		
MS	Ř	O Milestone	from ERPP Vol 2	personnel	NUMBERS	DATE	DATE	Award	Cost Share	Cost	Applicant	Investigator	n g	Project Name	Comments
				8 A. Status of restoration of 500 acres of nontidal emergent wetland in the North Delta										Restoring Ecosystem Integrity in the Northwest Delta: PHASE II	Restore of nontidal emergent wetland in North Delta. Proj ERP-02-P21. Implementation. Project not completed beginning phases. Yes, in that it provides planni restoration and management for habitats in those m This project covers Phase II: Component 1 - Purchas 1,100 acres of conservation easements on of top properties bordering Calhoun Cut and Lindsey Slc identified in the Site Conservation Plan for the Jepsc Prospect Island Corridor. Easements will be from will and land will remain in wildlife friendly agriculture; Co Feasibility analysis of landscape scale restoration on owned Calhoun Cut Ecological Reserve. This includes and bathymetric modeling and a restoration p
	elta										Solano Land				
∞	ŏ	<u> </u>		8 B. Status of the	ERP-02D-P54						Trust	Julian Meisler			
~	Delta	_		establishment at least one population of bristly sedge in the North Delta											
	lta			8 C. Status of restoration of 250 acres of nontidal emergent wetland restoration in the East Delta							Department of			Canal Ranch Habitat Restoration Phase II	The alternatives developed in this planning phase will incl address non-tidal emergent wetland habitats. Brad Burkhe project has been delayed due to the desire of the DFG i consistency between this effort and the larger Delta R Ecosystem Restoration Implementation Plan (DRERIP) and planning efforts. The continued delay has been a that decision to ensure that efforts conducted on Canal consistent with the DRERIP efforts. As you may kno process is in progress but has shifted its focus to sc review of the actions called out in the 2000 ERP docume effort involves external scientists vetting those actions the current freeze on external contracts, the timeline keeps getting pushed back.
œ	De	<u>т</u>		8 C. Status of restoration of 250 acres of nontidal	ERP-00-F02	Feb-00	Sep-04	131,980		131,980	Fish and Game	Brad Burkholder		Staten Island Acquisition	Wildlife friendly agriculture practices program in the Sacrar Joaquin Delta EMZ. Acquisition. This grant was us
	Delta	Ŧ		emergent wetland restoration in the East Delta	ERP-01-N23	Feb-01	Jan-02	17,555,437	17,555,437	35,110,873	The Nature Conservancy	Michael R. Eaton			acquisition of Staten Island. The acquisition prote approximately 9,200 acres of agricultural habitat that managed for wintering waterfowl and cranes.
	[a			8 C. Status of restoration of 250 acres of nontidal emergent wetland restoration in the East Delta							Ducks Unlimited Westerr	lim Well/Patrick	2500	Staten Island Wildlife-Friendly Farming Demonstration	Develop an efficient and cost effective water manager infrastructure to maintain and improve sustainable ag and friendly farm practices. <i>Mike Eaton, TNC. Implementati</i> grant is about one third completed at this time. The involves improvements to the infrastructure to impro- management strategies for wildlife benefits to the 9,2 farming operation. They have completed approximatel of the interior levee construction and are working on pump facility. The long term planning has been delay. North Delta Improvements program which is investi potential opportunities for flood protection.
	Delt				ERP-02-P08	Jul-03	Jun-06	1.507.459	none	1.507.459	Regional Office	Fitzmorris	5000		

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	Comments
	, and the second s				8 D. Status of the establishment at least one population of bristly sedge in the East Delta.							Department of			Canal Ranch Habitat Restoration Phase II	The alternatives developed in this planning phase will include and address non-tidal emergent wetland habitats. Brad Burkholder. The project has been delayed due to the desire of the DFG to ensure consistency between this effort and the larger Delta Regional Ecosystem Restoration Implementation Plan (DRERIP) outreach and planning efforts. The continued delay has been a result of that decision to ensure that efforts conducted on Canal Ranch is consistent with the DRERIP efforts. As you may know, that process is in progress but has shifted its focus to scientific review of the actions called out in the 2000 ERP documents. That effort involves external scientists vetting those actions and given the current freeze on external contracts, the timeline for that keeps getting pushed back.
œ	Del	т				ERP-00-F02	Feb-00	Sep-04	131,980		131,980	Fish and Game	Brad Burkholder			
_	Delta	-			8 E. Status of restoration of 1,000 acres of nontidal emergent wetland restoration in the South Delta											
	Delta	T			8 F. Status of the establishment at least one population of bristly sedge in the South Delta											
8	Delta	т			8 G. Status of restoration of 2,500 acres of nontidal emergent wetland restoration in the Central and West Delta	ERP-02-C07-D	Jun-03	Dec-06	23,550,000	6,500,000	30,050,000	California State Coastal Conservancy	Mary Small		Dutch Slough Acquisition and Planning	Planning for restoration of up to 244 acres of nontidal emergent wetland in the Central and West Delta. <i>Project complete. Mary</i> <i>Small</i>
80	Delta	I			8 G. Status of restoration of 2,500 acres of nontidal emergent wetland restoration in the Central and West Delta	ERP-02-P03D	Nov-03	Nov-06	1,500,000	335,000	1,835,000	California State Coastal Conservancy	Mary Small		Dutch Slough Acquisition and Planning	Purchase of 1,166 acres for purposes of open space and habitat, up to 244 acres potentially contribute to 8 G. <i>Planning Project 5% complete. Mary Small</i>
8	Delta	т			8 H. Status of the establishment at least one population of bristly sedge in the Central and West Delta.											

					MU	JLTI SPEC	IES COI	NSERVA	TION ST	RATEG	Y MILEST	ONE 9	ROLLED UF	<sup>&gt;</sup> SUI	MMARY		
MIL of 5 tidal Eas Delt resp	ESTC 00, 50 emer t, Sou a Eco ective	DNE D0, 4 rgent uth, a blogic ely.	<b>9</b> Restore a minimum ,000, and 5,000 acres of t wetland in the North, and Central and West cal Management units			PROJECTS REVIEWED - ERP-96-M02, ERP-97-B03, ERP-97-N12, ERP-98-A01, ERP-98-C01, ERP-98-C01, ERP-98-C17, ERP-98-C03, ERP-99- C01/C02, ERP-09, 99-F04, ERP-09- F02, ERP-00- F02, ERP-00- F07, ERP-02- C07-D, ERP-02- C07-D, ERP-02- C07-D, ERP-02- C02-P03D,	ERP-02-P12 ERP-02-P21 ERP-02-P25	SUMMAR wetland in the regional plant of tidal emerg emergent wet 1,654 acres. the Central ar South Delta. East, Central restored, althe	Y Several E P Delta. Many la hing projects ar tent wetland in dand in the Eas hore has also hd West Delta. To date, there and West, or S bugh much land	RP contracts I arge projects a e underway w the North Delt t Delta and on been planning No contracts has been no r outh Delta. To d has been act	have been used ire attempting to hich may, with a a. A few contrad e of these proje to restore 371 i address restoral estoration of tida o date no tidal er quired and planr	to fund restoratii acquire land and dditional funding ts address resto cts plans for the cres to tidal emer l emergent wetlands ing is ongoing.	on of tidal emergent d large-scale , result in restoratio ration of tidal restoration of up to ergent wetland in gent wetland in the and in the North, s have been	n		AGENCY NOTES	NOTES CONT'D
			MULTI SPE	ECIES CONS	SERVATION STRAT	TEGY MILE	STONE	9 EVA	LUATIO	N OF INI	DIVIDUAL	. PROJEC	TS REVIEW	VED	TO FORMULATE THE F	ROLLED UP SUMMARY	,
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	TRACT	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comme	nts
	Delta	_	Restore a minimum of 500, 500, 4,000, and 5,000 acres of tidal emergent wetland in the North, East, South, and Central and West Delta Ecological Management units respectively.		9 A. Status of restoration of 500 acres of tidal emergent wetland restoration in the North Delta				2 500 000	3 750 000	6 250 000	Department of Water Becourses	Kate Hansel		Prospect Island Restoration Project	Project will restore shallow-water, tid The existing levees will be breached i action. Project is a total of ar VanKlompenburg, CDFG. No impl supposed to restore shallow wate breaching levees to restore tidal a restore/replant riparian habitat on i and misplaced breach prior to the the project. No implementation	al wetlands, and aquatic habitat. n two locations to restore full tida oprox 1,300 acres. Gina lementation; This project was r fresh emergent wetlands by action. Additionally, it was to internal islands. An unplanned project getted started stalled n has taken place to date.
6		Ŧ			9 A. Status of restoration of 500 acres of tidal emergent wetland restoration in the North Delta	ERP-96-MU2			2,500,000	3,750,000	6,250,000	Resources	Kate Hansel		Prospect Island Habitat Protection Project	This project will close the breach in th loss of riparian habitat along the lev restore 1,200 acres of freshwater tidal VanKlompenburg, CDFG. Com- supposed to restore shallow wate breaching levees to restore tidal a restore/replant riparian habitat on a and misplaced breach prior to the the project. This particular contrad but was for levee repair and pump completed. The project has resul implementation and n	the levee which will prevent furthe ees. The project is designed to marsh and riparian habitat. Gina struction; This project was r fresh emergent wetlands by action. Additionally, it was to internal islands. An unplanned project getted started stalled ct was not for any restoration, o-out of the island, which was ited in no habitat restoration o improvements.
6	Delta	т			9 A. Status of restoration of	ERP-98-A01	Sep-98	Sep-99	2,000,000	none	2,000,000	US Corps of Engineers	Walter Yep		Assist in Developing Appraisal &	Purpose of the project is to provide	e additional services & support
6	Delta	т			wetland restoration in the North Delta	ERP-98-C17	Dec-98	Nov-01	24,000	none	24,000	Department of Water Resources	Curt Schmutte		Vianning with TNC for the McCormack Williamson Property	<ul> <li>CALFED CAT III project 97-N14, act McCormack Williamson Tract. The portion of 97-N14 was later droppe contracts ERP-99-F03, ERP-99-04, E P25. <i>Project c</i></li> </ul>	quistion & Initia site planning for e McCormack Williamson Tract d and assigned to the following RP-00-07, ERP-00-08, ERP-02- ompleted.

		0					CON	TRACT						0		
mber	z	t Typ							1					ifiable		
s Nu	EGIO	ojec		ERP Targets taken	MS Components or	ERP PROJECT	START		CALFED		Total Project		Principal	uanti		
Σ	R	ā	Milestone	from ERPP Vol 2	Questions for field personne	I NUMBERS	DATE	END DATE	Award	Cost Share	Cost	Applicant	Investigator	σΞ	Project Name	Comments
					500 acres of tidal emergent										Feasibility Study	those with flood hazard reduction benefits) on
					wetland restoration in the North	ו										Mokelumne River. Supports Cosumnes Rive
					Della											benefits as already documented in other on o
																ERP-99-F04, ERP-99-F03, ERP-00-07, ERP-0
																99-F03, ERP-02-P25). <i>Mike Eaton, TNC. Pl</i>
																scope for the project with the project proj
	ą					FRP-99-						The Nature				Sac County, and EBMU
6	Del	т				C01/C02	none listed	Mar-04	1,007,800	none	1,063,600	Conservancy	Michael Eaton			
					9 A. Status of restoration of 500 acres of tidal emergent										McCormick Williamson Tract Phase II Restoration Planning	Property is 1600 acres, a portion will be rest
					wetland restoration in the North	n									Restoration Flamming	F04, ERP-99-F03, ERP-00-08, ERP-99-F04
					Delta											P25). Keith Whitener, TNC. Planning for t
																Some of the money has been used by TNC MIKE11 model to develop and analyze re
																Other parts of the grant have been used
																Delta Science Panel and for contracts to o
																broader, multi-program project such
																Improvements. The project could event
																property is uncertain at this time due
																Improvements planning process. The
																considered under a broader, multi-prog implementation is uncertain a
	ta											Department of Water				
6	Del	т				ERP-00-F07	Feb-00	Nov-04	355,000	250,000	605,000	Resources	Curt Schmutte			
					9 A. Status of restoration of 500 acres of tidal emergent										Restoring Ecosystem Integrity in the Northwest Delta: PHASE II	Restore fresh emergent wetland in North I Solano Land Trust. Planning and
					wetland restoration in the North	ו										Enhancement/restoration of 1,350 acres of
					Delta											on Wilcox Ranch. Project not completed
																milestones. This project covers Phas
																Restoration and management of the vern
																grasslands on 1,350 acres of the Wilcox F property: and Component 4 - Outreach ca
																build support among local stakeholder ag
																and landowners.
	elta								0.46 070		0.40.070	Solano Land				
6		I			9 A. Status of restoration of	ERP-02-P21	Jul-03	Jun-06	246,370		246,370	Irust	Julian Meisler		Restoring Ecosystem Integrity in the	Restore fresh emergent wetland in North Del
					500 acres of tidal emergent										Northwest Delta: PHASE II	02-P21. Implementation. Project not
					Delta											and management for habitats in those m
																covers Phase II: Component 1 - Purchase
																conservation easements on of top ranked
																Conservation Plan for the Jepson Prai
																Corridor. Easements will be from willing
																analysis of landscape scale restoration of
																Calhoun Cut Ecological Reserve. This in
ł																batnymetric modeling and a rest
	lta											Solano Land				
6	e e	т	1			ERP-02D-P54				1		Trust	Julian Meisler	1		

Delta	Delta	Delta	Delta	Delta	REGION
T	т	т	н	T	Project Type
					Milestone
					ERP Targets taken
9 B. Status of restoration of 500 acres of tidal emergent wetland restoration in the East Delta	9 B. Status of restoration of 500 acres of tidal emergent wetland restoration in the East Delta	9 A. Status of restoration of 500 acres of tidal emergent wetland restoration in the North Delta	9 A. Status of restoration of 500 acres of tidal emergent wetland restoration in the North Delta	9 A. Status of restoration of 500 acres of tidal emergent wetland restoration in the North Delta	MS Components or
ERP-00-F02	ERP-99-N03	ERP-02-P12	ERP-99-F04	FRP-97-B03	
Feb-00	Nov-99	Apr-03	Jan-00	Mar-93	CON START
Sep-04	Mar-03	Mar-06	Jul-02	Sep-03	
131.980	1,100,000	1.800.000	5,356,000	8 926 000	CALFED
		0	none	none	Cost Share
131.980	1,100,000	1.800.000	5,356,000	8 926 000	Total Project
Department of Fish and Game	Assessment and Restoration Team, Inc	Hart Restoration, Inc.	The Nature Conservancy	U.S. Fish and Wildlife Service	Applicant
Brad Burkholder	Jeff Hart	Jeff Hart	Michael R. Eaton	Thomas Harvey	Principal
	11,000 LF	1.5 acres	<1600 acres	<4760 acres	Quantifiable Jnits
Canal Ranch Habitat Restoration Phase II	Georgiana Slough Habitat	Sustainable Restoration Technologies for Bay/Delta Tidal Marsh and Riparian Habitat	McCormick Williamson Tract's Acquisition	Liberty Island Acquisition	Project Name
The alternatives developed in this planning phase will include and address tidal emergent wetland habitats. <i>Brad Burkholder. The</i> <i>project has been delayed due to the desire of the DFG to ensure</i> <i>consistency between this effort and the larger Delta Regional</i> <i>Ecosystem Restoration Implementation Plan (DRERIP) outreach</i> <i>and planning efforts. The continued delay has been a result of</i> <i>that decision to ensure that efforts conducted on Canal Ranch is</i> <i>consistent with the DRERIP efforts. As you may know, that</i> <i>process is in progress but has shifted its focus to scientific review</i> <i>of the actions called out in the 2000 ERP documents. That effort</i> <i>involves external scientists vetting those actions and given the</i> <i>current freeze on external contracts, the timeline for that keeps</i> <i>getting pushed back.</i>	This project will use a diverse planting scheme to improve tidal perennia aquatic habitat along the lower reaches of Georgiana Slough <i>Jeff Hart.</i> <i>Implementation. Project completed.</i>	Restore 5,000 LF along Georgiana Slough. <i>Jeff Hart, Hart</i> Restoration, Inc. Implementation. Tidal emergent wetland: 1.5 acres. Projected 33% completed.	Acquisition to restore an unspecified amount of tidal emergent wetland in the North Delta. Also see ERP-99-F03, ERP-00-07, ERP-00-08, ERP 02-P25. Keith Whitener, TNC. Acquisition; The property was acquired by the Nature Conservancy. They are still working on planning for the long term management of the property. The project could eventually contribute to the milestones identified but the future habitats and operation of the property is uncertain at this time due to the North Delta Improvements planning process. The property is being considered under a broader, multi-program effort so further implementation is uncertain at this time. There is also the need to do additional levee resloping to improve stability and habitat values before other modifications are made to the interior of the property such as breeching the exterior levees.	Acquire 4,760 acres to restore an unspecified amount of acres of tidal emergent wetland restoration in the North Delta. Unspecified amounts will be restored. Acquisition. Project completed, but the original grant was amended to have the Trust for Public Lands acquire the property. This was a pure acquisition project and plans have not been finalized for restoration and management yet so definitive linkages to milestones is not available at this time. The property is currently inundated and functioning as intertidal wetlands.	Comments

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ž	5	je (	ERP Targets tak	MS Components or	ERP PROJECT	START		CALFED		Total Project		Principal	an t		
SM	Ë	L L	Milestone from ERPP Vol	2 Questions for field personne	NUMBERS	DATE	END DATE	Award	Cost Share	Cost	Applicant	Investigator	a n	Project Name	Comments
				9 B. Status of restoration of		27.112						g		McCormack-Williamson Tract	This project will eventually restore tidal freshwater wetlands by restoring
				500 acres of tidal emergent										Restoration: Wildlife-Friendly Levee	tidal circulation to the leveed island. (1.654 acres). Lisbeth Jakobsen.
				wetland restoration in the East										Management	TNC. Implementation. This project will result in resloping of
				Delta										Ũ	additional levee miles on the property. The habitats will be upland
															and riparian on the land side of the levees. The contract has just
															been completed but work has yet to begin. The project could
															eventually contribute to the milestones identified but the future
															habitats and operation of the property is uncertain at this time due
															to the North Delta Improvements planning process. The property
															is being considered under a broader, multi-program effort so
															further implementation is uncertain at this time. There is also the
															need to do additional levee resloping to improve stability and
															habitat values before other modifications are made to the interior
															of the property such as breeching the exterior levees.
	ta								91 875 to	2 568 710 to	The Nature				
	e la	т			ERP-02-P25	none listed	none listed	2.476.835	712,500	3.189.335	Conservancy	Lisbeth Jakobser	1		
				9 B. Status of restoration of										Sustainable Restoration Technologies	Restore 5,000 LF along Georgiana Slough. Jeff Hart, Hart
				500 acres of tidal emergent										for Bay/Delta Tidal Marsh and Riparian	Restoration, Inc. Implementation. Tidal emergent wetland: 4.5
				wetland restoration in the East										Habitat	acres. Project 33% completed.
				Delta							Hart				
	elt				555 00 540			1 000 000		4 000 000	Restoration,	1. (1.1.)	4.5		
െ		I		0 P. Status of rostoration of	ERP-02-P12	Apr-03	Mar-06	1,800,000	0	1,800,000	Inc.	Jen Hart	acres	Tyler Island Posteration	Lies bistochnical back and loves methods to protect and enhance 2,000
				500 acres of tidal emergent										Tyler Island Restoration	LE at Georgiana Slough and 3 000 LE at the North Fork Mokelumpe
				wetland restoration in the East											River Jeff Hart Hart Restoration Inc Implementation Restore
				Delta											SRA and rinarian habitat along 4 500 ft of Georgiana Slough and
				Dona											3.000 ft along Mokelumne River on Tyler Island: total 7.500 ft. Also
															2.3 acres of tidal emergent wetland. Project completed.
															g
											Hart				
	ą										Restoration				
6	E I	т			ERP-97-N13	Jul-98	Dec-01	885.202	0	885.202	Inc.	Jeff Hart	5.000LF		
				9 C. Status of restoration of						· ·					
				4,000 acres of tidal emergent											
	lta			wetland restoration in the Sout	h										
റ	ő	Т		Delta											
				9 D. Status of restoration of										Franks Track Restoration	Project planning to restore 45 acres of subtidal habitat to tidal perennial
				5,000 acres of tidal emergent											aquatic habitat. The project can be adapted to create mid-channel
				wetland restoration in the							Moffatt &				islands and shoals habitat. Located in the Central and West Delta.
	elti			Central and West Delta	500 07 N40	<b>D</b> 00	<b>D</b> 04	000.040		000.040	Nichol	Richard M.	45		Planning, Project completed.
െ		I		0 D. Status of restaration of	ERP-97-N12	Dec-98	Dec-04	262,918	none	262,918	Engineers	Rhoads	45 acres	Tutishall Island Catagon III Subsidence	This project contributes to protection and enhancement of island behits
				5 000 acres of tidal emergent										Reversal Demonstration Project	in the Delta. Curt Schmutte DWP Research/Implementation
				wetland restoration in the										Reversal Demonstration r Toject	Project has not been completed due to contracting difficulties
	lta			Central and West Delta											r roject has not been completed due to contracting difficulties.
െ	e	т			ERP-98-C01	May-99	Dec-03	3,886,995	none	3,886,995	DWR	Curt Schmutte			
				9 D. Status of restoration of		-					_			Rhode Island Floodplain Management	Planning for restoration of riparian and wetland habitats on 67 acre
				5,000 acres of tidal emergent							Department of			and Habitat Restoration	Rhode Island, portion may be considered tidal emergent wetland. The
				wetland restoration in the							Fish and				project is located in the Central and West Delta. Unspecified amounts
				Central and West Delta							Game,				will be restored. Ed Littrell, Department of Fish and Game, Sacramento
	a a										Sacramento		.07		Valley-Central Sierra Region. Planning. Project completed.
	et	_				Son 00	lup 00	25 000	2020	25.000	Valley-Central	Ed Littroll	<07		
6			+	9 D. Status of restoration of	ERF-90-FU9	Seh-aa	Juli-00	20,000	none	20,000	Sierra Region		acies	Dutch Slough Acquisition and Planning	Planning for restoration of up to 259 acres of intertidal marsh in the
1				5 000 acres of tidal emergent			1							Sater Clough Acquisition and Fidilinity	Central and West Delta Mary Small Acquisition only Project
				wetland restoration in the							California State				completed.
1	lta			Central and West Delta			1				Coastal				· · · · · · · · · · · · · · · · · · ·
6	å	Т			ERP-02-C07-D	Jun-03	Dec-06	23,550,000	6,500,000	30,050,000	Conservancy	Mary Small			
1				9 D. Status of restoration of			1							Sustainable Restoration Technologies	Restore 5,000 LF along Georgiana Slough. Jeff Hart, Hart
1				5,000 acres of tidal emergent			1				Hort			for Bay/Delta Tidal Marsh and Riparian	Restoration, Inc. Implementation. Tidal emergent wetland: (MS
1	a			wetiand restoration in the			1				Restoration		25	Habitat	9D) 2.5 acres. Project 33% completed.
	Celt	<b>-</b>		Central and West Delta	ERP_02_P12	Apr-03	Mar-06	1 800 000	0	1 800 000		Jeff Hart	2.0		

r		be				CON	TRACT						ele		
lumb	NO	ect Ty											ntifiab s		
2	Ö	÷		ERP Targets taken MS Components or	ERP PROJECT	START		CALFED		Total Project		Principal	lar		
Ξ	R	ŗ,	Milestone	from ERPP Vol 2 Questions for field personne	NUMBERS	DATE	END DATE	Award	Cost Share	Cost	Applicant	Investigator	ğ P	Project Name	Comments
				9 D. Status of restoration of										Dutch Slough Acquisition and Planning	Purchase of 1,166 acres for purposes of open space and habitat, up to
				5,000 acres of tidal emergent											259 acres potentially contribute to 9 D. Mary Small. Planning Only.
				wetland restoration in the							California State				Project only 5% completed.
	lta			Central and West Delta							Coastal				
റ	å	т			ERP-02-P03D	none	none	23,550,000	12,000,000	37,050,000	Conservancy	Mary Small			

	MULTI SPECIES CONSERVATION STRATEGY MILESTONE 10 ROLLED UP SUMMARY         ILESTONE 10 Conduct surveys       PROJECTS       SUMMARY A few ERP contracts have been used to fund surveys to locate       AGENCY NOTES       NOTES CONT'D															
MILE: to loc: dunes Costa metal acres Antioo suppo monit	STOP tate po- capab even wallin mark of loo ch inla rt the pr es	<b>NE 10</b> Conduct surveys otential habitat restoration ble of supporting Antioch ning primrose, Contra flower, and Lange's butterfly. Enhance 50 <i>w</i> to moderate quality and dune scrub habitat to use species. Annually tablishment success.			PROJECTS REVIEWED - ERP-02-C07-D, ERP-02-P03D		SUMMA potential h primrose, ( restore as moderate e establisher being asse funds for a	ARY A few abitat restorati Contra Costa v much as 101 a quality Antioch d a monitoring urveys to locat quality habitat ent success. essed for enha innual monitori	ERP contracts on sites capab valiflower, and acres is being . inland dune s program of Ar e appropriate I to support the <b>ACTUAL:</b> Mor ncement, but r ing and reporti	s have been us le of supportin Lange's metal assessed. No crub habitat to tribch inland du habitat, then er target species re than 100 pot no enhancemen ng been identif	ed to fund surve; g Antioch dunes mark butterfly. T contract has enh support these sp ine scrub habitat. hance 50 acres and annually mo ential acres were thas been funde ied.	ys to locate evening he potential to anced low to ecies or <b>EXPECTED:</b> of low to nitor elocated and are ad nor have			AGENCY NOTES	NOTES CONT'D
		MULTI SPECI	ES CONSER	VATION STRATEG	SY MILEST	ONE 1	10 E\	/ALUATI	ION OF I	NDIVIDU	JAL PROJ	ECTS REV	'IEWE	ED TO FORMULATE TH	E ROLLED UP SUMM	ARY
MS Number	REGION	L Diect T Z DIec	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	Comn	nents
10	Delta	Conduct surveys to locate potential habitat restoration sites capable of supporting Antioch dunes evening primrose, Contra Costa wallflower, and Lange's metalmark butterfly. Enhance 50 acres of low to moderate quality Antioch inland dune scrub habitat to support these species. Annually monitor establishment success.		10 A. Status of surveys to locate potential habitat restoration sites capable of supporting Antioch dunes evening primrose, Contra Costa wallflower, and Lange's metalmark butterfly.	ERP-02-C07-D	Jun-03	Dec-06	23,550,000	6,500,000	30,050,000	California State Coastal Conservancy	Mary Small		Dutch Slough Acquisition and Planning	Planning for restoration of up to 1 Mary Small. Pro	11 acres of Antioch Dune Scrub. <i>ject complete</i>
10	Delta	т		10 A. Status of surveys to locate potential habitat restoration sites capable of supporting Antioch dunes evening primrose, Contra Costa wallflower, and Lange's metalmark butterfly.	ERP-02-P03D	Nov-03	Nov-06	1,500,000	335,000	1,835,000	California State Coastal Conservancy	Mary Small	101 acres	Dutch Slough Acquisition and Planning	Purchase of 1,166 acres for purpose 101 acres potentially contribute Project 5% complete. There w acres of Antioch Du	es of open space and habitat, up to o 10 A. Mary Small. Planning ill likely be much less that 101 ine Scrub created.
0 10	elta Delta	<u>_</u>		10 B. Status of enhancing 50 acres of low to moderate quality Antioch inland dune scrub habitat 10 C. Status of monitoring program of Antioch inland												

					MULTI	SPECIES	CONSE	ERVAT	ION STI	RATEG	Y MILE	STONE 1	1 ROLLE	ED UP	SUMMARY		
MILE minir islan Delta	STC num ds ar	ONE - of 12 nd 12	11 Restore a 25 acres of channel 25 acres of shoals in the			PROJECTS REVIEWED - ERP-97-N11, ERP-97-N12, ERP-01-N13		SUMMA restoration	<b>\RY</b> A few of less than 5	v ERP contr 50 acres of	acts have fun channel island	nding planning pr	ojects for the the Delta.			AGENCY NOTES	NOTES CONT'D
			MULTI SPECIE	S CONSER	✓ATION STRATEG	Y MILESTC		EVA	LUATIC	)N OF	INDIVID	UAL PRO	JECTS RE	EVIEW	ED TO FORMULATE TI	HE ROLLED UP SUMM	ARY
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	Commer	nts
-	Delta	-	Restore a minimum of 125 acres of channel islands and 125 acres of shoals in the Delta.		11 A. Status of restoration of 125 acres of channel islands	ERP-97-N11		Aug-99	270 270	none	270 270	Association of Bay Area	Marcia	4.5 acres	In Channel Island Restoration/Demonstration	Restore 4.5 acres of channel island Shoal), Webb Tract 2 (Emergent Sho and Little Tinsley Island in the Delta. Project completed. Non-CALFEL planning phase of restoring tidal ma as the former antenna field on	s, Webb Tract 1 (Submerged al), Webb Tract 3 (Peat Island) Marcia Brockbank. Planning. D projects: They are in the rsh habitat to the area known Hamilton AFB. (MS 42A)
11	Delta	I			11 A. Status of restoration of 125 acres of channel islands	ERP-97-N12	Dec-98	Dec-04	262,918	none	262,918	Moffatt & Nichol Engineers	Richard M. Rhoads	45 acres	Franks Track Restoration	Project planning to restore 45 acre perennial aquatic habitat. The project channel islands and shoals habitat. L Delta. <i>Planning, Proj</i>	s of subtidal habitat to tidal can be adapted to create mid- ocated in the Central and West ect completed.
11	Delta	Т			11 A. Status of restoration of 125 acres of channel islands	ERP-01-N13	Jul-01	Jul-04	928,150	411,100	1,339,250	Association of Bay Area Governments	Marcia Brockbank	2159 LF	Demonstration Project for Delta In- Channel Islands	This project will install various combin control techniques on 3 ICIs to dem controlling shoreline erosion and the sediments for habitat substrate. Marc Bay Area Governments. Implemen completed. They had to do an ame booms failed. Amendment is for proposed act	ations of biotechnical erosion nstrate their effectiveness in potential for accreting new fine ia Brockbank, Association of tation. Webb Tract #3 is not ndment since the floating log 2 years. Will call back with reages.
11	Delta	т			11 B. Status of restoration of 125 acres of shoals in the Delta	ERP-97-N12	Dec-98	Dec-04	262,918	none	262,918	Moffatt & Nichol Engineers	Richard M. Rhoads	45 acres	Franks Track Restoration	Project planning to restore 45 acre perennial aquatic habitat. The project channel islands and shoals habitat. L Delta. <i>Planning, Proj</i>	s of subtidal habitat to tidal can be adapted to create mid- ocated in the Central and West ect completed.

					MUL	TI SPECIE	S CON	SERV	ATION S	TRATEG	Y MILES	TONE 12	ROLLED	UP S	SUMMARY		
N in to S H I	ILES1 aplema store, impro- almoni abitat, ast on elta Tr	ONE ent a and i ve flo d sha and i e trib ibuta	<b>12</b> Develop and program to establish, maintain riparian habitat podplain habitat, ided riverine aquatic nstream cover along at utary within the Eastside ry EMZ			PROJECTS RI ERP-96-M06, N14, ERP-98- 98-B17, ERP ERP-98-F19, C01/C02, ERI ERP-99-N15, N10, ERP-02-F 2000-	EVIEWED - , ERP-97- B11, ERP- -98-C18, ERP-99- P-99-N06, ERP-01- 249, AFRP- 18	SUMMA to fund the maintain ri habitat, an Tributary E acres is in habitat to i instream c various sta document improve flo along the 0	ARY Sever e development a parian habitat t d instream cov EMZ. Approxim the process of mprove floodpl over along the ages of planning del. No contract bodplain habital Calaveras Rive	al ERP contract and implements o improve flood er along at least nately 9,950 act being acquirect ain habitat, sall Cosumnes and g and impleme s address rest t, salmonid sha r.	ts and funds frr ation of a progra dplain habitat, si st one tributary y res have been a for restoration, monid shaded ri Mokelumne Ri ntation; howeve roation, and mai ded riverine aqu	m other source am to establish, almonid shaded vithin the Eastsi cucquired, an add and maintenan iverine aquatic h vers. Large por r specific amour ntenance of rips uatic habitat, an	s have been used restore, and riverine aquatic de Delta titional 1179.8 ce of riparian habitat, and tions are in ths have not been miran habitat to d instream cover			AGENCY NOTES	NOTES CONT'D
			MULTI SPEC	IES CONSEF	RVATION STRATE	GY MILES	TONE	12 E	VALUAT	ION OF I	NDIVIDU	AL PROJ	ECTS REV	IEWE	D TO FORMULATE TH	E ROLLED UP SUMMA	RY
	MS Number	Project Type	Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT NUMBERS	CON START DATE	END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Commei	nts
	2		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 the Eastside Delta Tributary EMZ		12 A. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along the Cosumnes River	EPD-96-M06	Oct-96	none	1 500 000	10 500 000	12 000 000	The Nature	Michael P. Eaton	<4356	The Valensin Ranch Acquisition and Restoration Project	Acquire 4,356 acres of which a portior riparian habitat to improve floodplain h aquatic habitat, and instream cove Unspecified amounts will be resto completed. This grant was used fo Ranch property. The acquisition p half mile of riverine riparian habit riparian habitat at Horseshoe Lake, of riparian res	n will be restored, or maintained abitat, salmonid shaded riverine r along the Cosumnes River. recd. Acquisition. Project r acquisition of the Valensin protected approximately one at, 290 acres of aquatic and and included about 75 acres toration.
	8				12 A. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along the Cosumnes River				1,000,000		1.005.600	The Nature		<2947	Cosumnes Start-up Stewardship and Restoration	Acquire 2,947 acres of which a portior riparian habitat to improve floodplain h aquatic habitat, and instream cover Acquisition. This grant was used acquire the Denier property and Woods property for protection and wetland habitats. This grant als restoration, and stewardship activ gates, new fences, and clean up of holdings on the	n will be restored, or maintained abitat, salmonid shaded riverine r along the Cosumnes River. d along with ERP-98-F19 to used for acquisition of the d restoration of riparian and so funded some planning, vities such as installation of these new and other existing preserve.
		3 <b>T</b>			12 A. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along the Cosumnes River	EKF-9/-N14	0.000-996	Sep-U2	1,985,100	none	1,985,100	The Notes	Iwiichael R. Eaton		Cosumnes River Floodplain Acquisition	Acquisition project, will fund \$1,940, acres), \$1,460,000 for the Denier \$100,000 for the 287 acre Whaley pr Mike Eaton, TNC. Acquisition acquisition of the Park/Costello, L acquired with 97-N14 and 98-F19, a acquisitions have resulted in protu- and riparian habitats and allowed restoration management strategies Quantifiable units of protection or re this time. This grant is related to 96 river miles are provide	000 for the Park property (735 property (1,225 acres), and operty, a total of 2,247 acres. This grant was used for Denier (different parcel than and Whaley properties. These ection of VELB, vernal pool, for some testing of different on approximately 300 acres. estoration are not available at i-M06 and some acreages and ed for that grant.
	12	і   т				ERP-98-B17	Jul-98	Jul-02	5,356,000	none	5,356,000	The Nature Conservancy	Michael R. Eaton	<2247 acres			

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Ñ	8	ject		ERP Targets taken	MS Components or Questions for field	PROJECT	START	END			Total Project		Principal	anti ts		
MS	Ĕ	P.	Milestone	from ERPP Vol 2	personnel	NUMBERS	DATE	DATE	Award	Cost Share	Cost	Applicant	Investigator	Uni <sup>,</sup>	Project Name	Comments
					12 A. Status of program to										East Sacramento County Blue Oak	Purchase a fee title interest of 2,054 acres of the Phase 1 Deer Creel
					establish, restore, and										Legacy Acquisition Area-Dear Creek	Hills. Protects unspecified amount of Blue Oak woodland, vernal poo
					maintain riparian habitat to										Hills Project	grassland, and riparian communities. Aimee Rutledge. Project
					Improve floodplain habitat,											complete.
					aquatic habitat, and instream							Sacramento				
~	elta				cover along the Cosumnes							Valley		2054		
		I			River	ERP-02-P49	May-03	Mar-04	800,000	4,939,857	562,924	Conservancy	Aimee Rutledge	acres	Cosumpes River Acquisition	No properties identified in contract Appraical Pepert for a 475.5
					establish, restore, and										Restoration, Planning and	acres parcel in project folder. The \$750K would cover less than have
					maintain riparian habitat to										Demonstration	of the listed price of \$1,910K property. Unspecified amounts will be
					improve floodplain habitat,											restored. Mike Eaton, TNC. Acquisition; This grant was used
					salmonid shaded riverine											along with ERP-97-N14 to acquire the Denier property for
	ą				cover along the Cosumes							The Nature		<475.5		protection and restoration of riparian and wettand hashats.
12	Del	т			River	ERP-98-F19	Mar-99	Sep-01	750,000	none	750,000	Conservancy	Michael R. Eaton	acres		
					12 A. Status of program to							<b>_</b> ,			Cosumnes/Mokelumne Corridor	Task 1, subtask 1) acquire Valley Oak Vineyard Tract (122.07 acres)
					establish, restore, and					1			1		Floodplain Acquisition, Management,	subtask 2) acquire 409 acres of Nuss Farms Property; subtask 3)
					maintain riparian nabitat to										and Restoration Planning	acquire Giovannoni Property 648.77 acres. Total acreage is 1179.8.
					salmonid shaded riverine											begun implementation yet. The project will involve acquiring
					aquatic habitat, and instream											easements and managing existing holdings. It will also
					cover along the Cosumnes											contribute to additional biological inventories of new and
					River											existing holdings. 5,6,7,and 15 could be added to the list of
																easements/acquisitions could contribute to improved floodplain
																habitat opportunities, enhanced wildlife friendly agriculture,
																restoration opportunities of slough habitats, and restoration or
														Portion		enhancement of optimized seasonal wetlands for greater sandhil
														of		cranes.
~	elta											The Nature		1179.84		
		т			12 A Status of program to	ERP-01-N10	Mar-03	Mar-04	3,044,342	None	3,044,342	Conservancy	Michael R. Eaton	acres	HAZMAT Review for ERP Land	DWR will oversee or evaluate the work of outside consultants and
					establish, restore, and										Acquisitions	contractors to ensure the all applicable regulatory requirements and
					maintain riparian habitat to											standard operating procedures for environmental site assessments
					improve floodplain habitat,											and remedial actions are complied with. DWR will also provide or
					salmonid shaded riverine											conduct environmental site assessment activities. Derrick Adachi,
					aquatic habitat, and instream											DWR. Planning. Project completed.
	slta				River											
12	ŏ	т			10 A Chatua of any market	ERP-98-C18	Dec-98	Nov-01	24,000	0	24,000	CDWR	Derrick Adachi	<u> </u>	Lawar Caaumnaa Malalumna Di	
					12 A. Status of program to establish restore and										Lower Cosumnes-Mokelumne Rivers	reasibility study of ecosystem restoration opportunities (particularly those with flood hazard reduction benefits) on the Cosumes river and
					maintain riparian habitat to					1			1		i cuolonity otudy	Mokelumne River. Supports Cosumnes River and Mokelumne River
					improve floodplain habitat,											Acquisition and restoration projects which have numerous ecosystem
					salmonid shaded riverine											benefits as already documented in other on going contracts. (Also se
					aquatic habitat, and instream											ERP-99-F04, ERP-99-F03, ERP-00-07, ERP-00-08, ERP-99-F04, ER
					River											recently shifted to the Authority where they are working on a new
																scope for the project with the project proponents (TNC, SAFCA,
																Sac County, and EBMUD).
	ta					ERP-99-	none					The Nature				
12	Del	т				C01/C02	listed	Mar-04	1,007,800	none	1,063,600	Conservancy	Michael Eaton			
					12 A. Status of program to									1	Linked Hydrogeomorphic-Ecosystem	Develop a model that will be used to simulate the hydrological effects
					establish, restore, and					1			1		Models to Support Adaptive	or historic and projected land use/land cover changes and surface and
					improve floodplain habitat					1					Paired Basin Project	Research and Planning: The project is wranning up. The final
					salmonid shaded riverine					1			1			reports are being finalized and should be available soon.
					aquatic habitat, and instream											
	ta				cover along the Cosumnes											
12	Del	т			RIVEI	ERP-99-N06	Jan-00	Jan-03	1,546,016	none	1,546,016	UC Davis	Jeff Mount			

							CONT	RACT								
nber	7	Type												liable		
Nur	GIOI	oject		ERP Targets taken	MS Components or Questions for field	ERP PROJECT	START	END	CALFED		Total Project		Principal	uantii iits		
β	RE	Pr	Milestone	from ERPP Vol 2	personnel	NUMBERS	DATE	DATE	Award	Cost Share	Cost	Applicant	Investigator	ð 5	Project Name	Comments
					12 B. Status of program to										Lower Mokelumne River Restoration	Latter phases of the project will involve these milestones. Tamiko
					establish, restore, and										Plan Phase I (Woodbridge Screen)	Imajo. Planning, Permitting, and Design. Project completed.
					improve floodplain habitat										Fernitting and Design	
					salmonid shaded riverine											
	~				aquatic habitat, and instream							Woodbridge				
N	elta	_			cover along the Mokelumne		lum 00	Oct 01	1 575 000	120,000	107.000	Irrigation	Anders			
-		т			River 12 B. Status of program to	ERP-90-BII	Jun-96	UCI-UT	1,575,000	130,000	107,000	District	Christensen		Linked Hydrogeomorphic-Ecosystem	Develop a model that will be used to simulate the hydrological effects
					establish, restore, and										Models to Support Adaptive	of historic and projected land use/land cover changes and surface and
					maintain riparian habitat to										Management: Cosumnes-Mokelumne	groundwater management methods. Jeff Mount, UC Davis.
					improve floodplain habitat,										Paired Basin Project	Research and Planning; The project is wrapping up. The final
					salmonid shaded riverine											reports are being finalized and should be available soon.
	æ				cover along the Mokelumne											
N	belt	-			River		lan 00	lan 03	1 546 016	none	1 546 016		leff Mount			
	-	-			12 B. Status of program to	ERI -55-1400	Jan-00	001-00	1,540,010	none	1,040,010	OC Davis	Jen Wount		Lower Cosumnes-Mokelumne Rivers	Feasibility study of ecosystem restoration opportunities (particularly
					establish, restore, and										Feasibility Study	those with flood hazard reduction benefits) on the Cosumnes river and
					maintain riparian habitat to											Mokelumne River. Supports Cosumnes River and Mokelumne River
					improve floodplain habitat,											Acquisition and restoration projects which have numerous ecosystem
					salmonid shaded riverine											ERP-00-F04 ERP-00-F03 ERP-00-07 ERP-00-08 ERP-00-F04 ERP-
					cover along the Mokelumne											99-F03, ERP-02-P25). <i>Mike Eaton. TNC. Planning: This grant was</i>
					River											recently shifted to the Authority where they are working on a new
																scope for the project with the project proponents (TNC, SAFCA,
																Sac County, and EBMUD).
	lta					ERP-99-	none					The Nature				
12	De	т				C01/C02	listed	Mar-04	1,007,800	none	1,063,600	Conservancy	Michael Eaton			
					12 B. Status of program to										Develop Local Watershed Stewardship	This project will monitor neotropical birds, wildlife and riparian
					maintain riparian habitat to										Fian for the Lower Mokelumine River	vegetation. John Brodie. Project completed.
					improve floodplain habitat,											
					salmonid shaded riverine											
					aquatic habitat, and instream											
	elta				cover along the Mokelumne							San Joaquin				
12	ŏ	I				ERP-98-E12	Apr-99	Apr-00	159,000	none	159,000	County RCD	John Meek, Jr			
					12 B. Status of program to										Continuation of the Lower Mokelumne	I his project will continue with developing a watershed stewardship
					maintain riparian habitat to										The watershed blewardship r rogram	or improvement programs, floodplain ag practices, and wildlife/ag
					improve floodplain habitat,							San Joaquin				buffers. John Brodie. Project complete
					salmonid shaded riverine							County				
	ŋ				aquatic habitat, and instream							Resource				
2	Delt	т			River	ERP-99-N15	May-00	Jun-02	227.000		227.000	District	John Meek			
<u>``</u>		-			12 B. Status of program to		indy ou	0011 02	221,000		227,000	Biotriot	Contrinidok		Protect 2.3 acres of riparian habitat	Objective: The objectives of the proposed Project are to reduce
					establish, restore, and										and reduce streambank erosion 1.5	streambank erosion and the subsequent input of fine sediment into the
					maintain riparian habitat to										miles downstream of Camanche Dam	salmonid spawning gravels, increase the riparian canopy to reduce
					Improve floodplain habitat,										on the south side of the Mokelumne	stream temperatures and provide important substrates for aquatic
					aquatic habitat and instream										River	insects and escape and resting cover for fish. Contract Signed.
	ta				cover along the Mokelumne											
12	Del	т			River	AFRP-2000-18						AFRP	Gonzalo Castillo			
					12 C. Status of program to											
I					establish, restore, and											
					improve floodplain habitat							]				
I					salmonid shaded riverine											
I	~				aquatic habitat, and instream											
N	eltë				cover along the Calaveras											
÷ .	Δ	н			River			1				1				