					ML	JLTI SPECI	IES CON	ISERVAT	ION STF	RATEGY	MILESTO	ONE 13	ROLLED U	IP SU	MMARY		
MILE perc self-s each Joaq	ESTO ent of sustai EMU uin D	NE i the inin i in elta	13 Implement 25 ERP target for diverse, g riparian community for the Sacramento-San a EMZ.			PROJECTS REVIEWED - ERP- 96-M02, ERP-96- M03, ERP-97-N10, ERP- 98-A01, ERP-98- B08, ERP-98-B08, ERP-98- B08, ERP-98-E11, ERP- 98-F09, ERP-98- F12, ERP-98-F16, ERP- 99-F04, ERP-99- N03, ERP-01-N23, ERP-01-N23, ERP-02-C07-D, ERP-02-P03D, ERP-02- P12		SUMMAR for 2.5 to 5 lin the North Delf focus on planu created on the stabilize appr Slough. The I There were no status and rec planning phas back levees in assess progre planning docu	Y Several E ear miles of se ia, except one ning and feasit e channels with eximately one in habitat feature: o contracts to a creation of slou e only at this t in the Delta EM ess and direction imments and imp	ERP contracts <i>a</i> If-sustaining rig which restored olility of 2 to 4 lin the the east Delta s or width of an address the So igh habitat in th ime. One cont Z. NEEDED: (on for future reso lement. Asset	address this mill aarian commun approximately ear miles of se as vere pot for two t 7 miles of be eas were not av uth Delta EMU. e entire Delta E act is evaluatin Quantification o storation actions ss feasibility of a	estone. Many fr ty created on th 0.6 miles of leve If-sustaining rip; which were to m habitat along railable for any of Three contract MZ but all of th MZ but all of th MZ but all of th setback levees I setback levees I	ocus on planning e channels within e habitat. Many arian community restore and Georgiana f the projects. s address the em are in the of creating set oposed habitat to rom these necause of restricti			AGENCY NOTES	NOTES CONT'D
		1	MULTI SPE	CIES CONS	ERVATION STRAT	EGY MILE	STONE	13 EVA		N OF INI	DIVIDUAI	PROJE	CTS REVIE	WED	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 NUMBERS	CONT START DATE	END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Commen	ts
3	Delta	-	Implement 25 percent of the ERP target for diverse, self- sustaining riparian community for each EMU in the Sacramento-San Joaquin Delta EMZ.	10 to 20 linear miles along the San Joaquin River in the South Delta to create riparian vegetation of which 60% is to be over 75 feet wide and 40% is to be no less than 300 feet wide and 1 mile long (200 to 400 acres)	13 A. Status of implementing 2.5 to 5 linear miles of self- sustaining riparian community on the San Joaquin River between Vernalis and the Stockton ship channel?												
3	Delta	-			13 B. What is the average width of the restored habitat?												
13	Delta	±		Restore 15 to 25 linear miles of riparian and riverine aquatic habitat along other Delta island levees throughout the South Delta EMU. This will create riparian vegetation corridors of which 90% is to be more than 75 feet wide and 10% no less than 300 feet wide and 1 mile long (177 to 295 acres)	13 C. Status of implementing 4 to 6 linear miles of self- sustaining riparian community on the channels within the South Delta? 13 D. What is the average												
13	Delta	Т			width of the restored habitat?												

<u>ب</u>		эс					CON	TRACT						e		
mbe	z	t Tyf			MS Components or									ifiabl		
Nu S	GIO	ojec		ERP Targets taken	Questions for field	ERP PROJECT	START		CALFED		Total Project		Principal	uanti iits		
Σ	RE	Pr	Milestone	from ERPP Vol 2	personnel	NUMBERS	DATE	END DATE	Award	Cost Share	Cost	Applicant	Investigator	å 5	Project Name	Comments
				Restore 10 to 15	13 E. Status of 2.5 to 4 linear miles of self-sustaining											
				riparian and riverine	riparian community on the											
				aquatic habitat in	channels within the North											
				the North Delta	Delta?											
				Sacramento river												
				below Sacramento												
				be more tan 75 feet												
				wide and 20% over												
	lta			300 feet wide (145												
13	De	н		to 218 acres)												
-	əlta				width of the restored habitat?											
<u> </u>	ă	Ξ		Restore 8 to 15	13 G. Status of 2 to 4 linear										Assist in Developing Appraisal &	Purpose of the project is to provide additional servic
				linear miles of	miles of self-sustaining										Planning with TNC for the McCormack-	CALFED CAT III project 97-N14, acquisition & initial s
				riparian and riverine	riparian community created on										Williamson Property	McCormack Williamson Tract. The McCormack Will
				the East delta EMU	Delta?											contracts ERP-99-F03, ERP-99-04, ERP-00-07, ERP-
				of which 80% is to												P25. Project completed.
				be more than 75												
				is to be more than												
				75 feet wide and												
				20% over 300 feet wide (116 to 218												
	ta			acres)								Department of Water				
13	De	т				ERP-98-C17	Dec-98	Nov-01	24,000	none	24,000	Resources	Curt Schmutte			
					13 G. Status of 2 to 4 linear miles of self-sustaining										Sustainable Restoration Technologies	Restore 5,000 LF along Georgiana Slough. Jeff Restoration Inc. Implementation Rinarian: 13G
	_				riparian community created on							Hart			Habitat	feet riparian. Project 33% completed
	elta				the channels within the East				1 000 000		1 000 000	Restoration,		10,000		
÷		Т			Delta? 13 G. Status of 2 to 4 linear	ERP-02-P12	Apr-03	Mar-06	1,800,000	0	1,800,000	Inc.	Jeff Hart	LF	Tyler Island Restoration	Use biotechnical bank and levee methods to protect
					miles of self-sustaining											2,000 LF at Georgiana Slough and 3,000 LF at the
					riparian community created on											Mokelumne River. Jeff Hart, Hart Restoration, Inc. In
					the channels within the East Delta?											Slough and 3.000 ft along Mokelumne River on Tyle
												Hart				fo 7,500 ft. Also 2.3 acres of tidal emergent wetla
	elta						1.1.00	Dec 04	005 000		005 000	Restoration,	leff lierd	5 0001 5		completed.
÷		-		+	13 G. Status of 2 to 4 linear	ERP-97-N13	Jul-98	Dec-01	885,202	U	885,202	Inc.	Jen Hart	5,000LF	Lower Cosumnes-Mokelumne Rivers	Feasibility study of ecosystem restoration opportunitie
					miles of self-sustaining										Feasibility Study	those with flood hazard reduction benefits) on the Cost
					riparian community created on											Mokelumne River. Supports Cosumnes River and Mo
					Delta?											benefits as already documented in other on going cont
																ERP-99-F04, ERP-99-F03, ERP-00-07, ERP-00-08, EI
																99-F03, ERP-02-P25). <i>Mike Eaton, TNC. Plannin</i>
																new scope for the project with the project propo
																SAFCA, Sac County, and EBMUD). The project v
																potential strategies and approaches to impro
I	_															
33	Delt	-				ERP-99- C01/C02		Mar-04	1 007 800	0	1 063 600	The Nature Conservancy	Michael Faton			

13	3	3	3	2	dS Number
		1			
					Action
	<u>+</u>	_	-	<u> </u>	roject Type
				Milestone	Milestone
				Trom ERPP Vol 2	ERP Targets taken from ERPP Vol 2
13 G. Status of 2 to 4 linear miles of self-sustaining riparian community created on the channels within the East Delta?	13 G. Status of 2 to 4 linear miles of self-sustaining riparian community created on the channels within the East Delta?	13 G. Status of 2 to 4 linear miles of self-sustaining riparian community created on the channels within the East	13 G. Status of 2 to 4 linear miles of self-sustaining riparian community created on the channels within the East Delta?	personnel 13 G. Status of 2 to 4 linear miles of self-sustaining riparian community created on the channels within the East Delta?	MS Components or Questions for field personnel
ERP-02-P08	ERP-01-N23	ERD 00 N02	EPP 00 E04	RUMBERS	ERP PROJECT
Jul-03	Feb-01	New 00	120.00	Jan-00	CONT START
Jun-06	.lan-02	Mar 02	hul 02	Jul-02	
1,507,459	17 555 437	1 100 000	5 356 000	Award 860.778	CALFED
none	17 555 437	none	2000	none	Cost Share
1.507.459	35 110 873	1 100 000	5 356 000	860.778	Total Project
Ducks Unlimited Western Regional Office	The Nature	Hart Restoration,	The Nature	The Nature Conservancy	Applicant
Jim Well/Patrick	Michael R. Eaton	loff Hort	Michael Estan	Michael Eaton	Principal
2500- 5000	9200 acres	7 mileo		0 >	Quantifiable Jnits
Staten Island Wildlife-Friendly Farming Demonstration	Staten Island Acquisition	Georgiana Slough Habitat	McCormick Williamson Tract's Acquisition	Project Name McCormick Williamson Tract's Wildlife- Friendly Levee Management Project	Project Name
Develop an efficient and cost effective water management infrastructure to maintain and improve sustainable ag and wildlife- friendly farm practices. <i>Mike Eaton, TNC. Implementation. This</i> <i>grant is about one third completed at this time. The project</i> <i>involves improvements to the infrastructure to improve water</i> <i>management strategies for wildlife benefits to the 9,200 acre</i> <i>farming operation. They have completed approximately one half</i> of the interior levee construction and are working on the new <i>pump facility. MS 5 could be added to the list because the</i> <i>property could include construction of setback levees to restore</i> <i>and improve floodplain habitat. The long term planning has been</i> <i>delayed by the North Delta Improvements program which is</i> <i>investigating potential opportunities for flood protection. MS 8,</i> <i>12, and 13 could also be added to the list for this project because</i> <i>wetland restoration and riparian habitats are still in consideration</i> <i>for the long term planning for the property but delayed by the</i> <i>North Delta Program.</i>	Wildlife friendly agriculture practices program in the Sacramento-San Joaquin Delta EMZ. Acquisition. This grant was used for acquisition of Staten Island. The acquisition protected approximately 9,200 acres of agricultural habitat that had been managed for wintering waterfowl and cranes.	This project will plant 7 miles of an enriched palette of riparian tree species on poorly vegetated berms. <i>Jeff Hart. Implementation. Project completed.</i>	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.	Comments Project is part of McCormick Williamson Tract Restoration, a portion will be restored to unspecified miles of self-sustaining riparian community on the channels. (Also see ERP-99-F04, 00-F07, 00-08, 02- P25). Keith Whitener, TNC. Planning and Implementation; This phase of project is completed. Approximately 1 mile of levee on the north end was resloped at a 5 to 1 ratio and planted with native upland and riparian vegetation. Portions of the grant were also used for stewardship. 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 Program planning. The property is being considered under a broader, multi-program effort so further implementation is uncertain at this time. There is also the desire by the TNC to do additional leve resloping to improve stability and habitat values before other modifications are made to the interior of the property such as breeching the exterior levees.	Comments

mber	N	t Type		MS Components or		CON	TRACT						ifiable		
MS Nu	REGIO	Project	ERP Targets Milestone from ERP V	aken Questions for field ol 2 personnel	ERP PROJECT NUMBERS	START DATE	END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quanti Units	Project Name	
3	Delta	Ŧ		13 H. What is the average width of the restored habitat?											
3 1	lelta	_	Restore 10 to 2 linear miles of riparian and riv aquatic habitat the North Delte EMU of which is to be more tl 75 feet wide ar 20% over 300 wide (145 to 29 acres)	0 13 I. Status of 2.5 to 5 linear miles of self-sustaining riparian community created or in the channels within the North Delta. 0% an d eet 1					0.750.000		Department of Water			Prospect Island Restoration Project	Project will restore shallow- The existing levees will be tidal action. Project is VanKlompenburg, CDFG. supposed to restore shall breaching levees to restor restore/replant ripari, unplanned and misplace started stalled the project.
	aD	T		13 I. Status of 2.5 to 5 linear miles of self-sustaining riparian community created or the channels within the North Delta.	ERP-96-MU2			2,500,000	3,750,000	6,250,000	Department of			Sacramento River (Verona to Collinsville) Riparian Habitat Restoration (Phase 1 Feasibility)	Planning for project will re- along 66 miles of Sacram <i>Bob Nozuka</i>
13	Delt	Ŧ		13 I. Status of 2.5 to 5 linear	ERP-96-M03	Oct-98	Sep-99	500,000	500,000	1,000,000	Water Resources	Evelyn Tipton ? Or Bob Nozuka		Restoring Ecosystem Integrity in the	Restore and plant nativ
				miles of self-sustaining riparian community created or the channels within the North Delta.										Northwestern Delta	Slough and Calhoun Cut Restored riparian vegetati Calhoun Cut in the North D projects: Rush Ranch Proje is tidal wetland; 940 is gra. 80 is diked freshwater wet been restored to tidal ma 1,350 acres of vernal poo percentage may qualify a vernal pools near the Jeps for alkali milk vetch (MS - upland to Suisun Marsh; r
13	Delta	т			ERP-97-N10	Feb-98	Sep-02	292,801	0	292,801	Solano Land Trust	Julian Meisler	1 mile		
				13 I. Status of 2.5 to 5 linear miles of self-sustaining riparian community created or the channels within the North Delta.										Prospect Island Habitat Protection Project	This project will close the bro loss of riparian habitat alor restore 1,200 acres of fres <i>Gina VanKlompenburg, C</i> <i>supposed to restore shal</i> <i>breaching levees to restor</i> <i>restore/replant ripari</i> <i>unplanned and misplac</i> <i>started stalled the projec</i> <i>any restoration, but was</i> <i>island, which was comp</i> <i>habitat restoration imp</i>
13	Delta	т			ERP-98-A01	Sep-98	Sep-99	2,000,000	none	e 2,000,000	US Corps of Engineers	Walter Yep			
3	Jelta	_		13 I. Status of 2.5 to 5 linear miles of self-sustaining riparian community created or the channels within the North Delta.		Dec 09	Nov 01	24.000	2020	24.000	Department of Water	Cust Soboutto		Assist in Developing Appraisal & Planning with TNC for the McCormack- Williamson Property	Purpose of the project is t CALFED CAT III project 97- McCormack Williamson Tr portion of 97-N14 was late contracts ERP-99-F03, ERP P25. I

	13	13	5	5	MS Number
elta	Delta	Delta	Delta	Delta	REGION
_	Т	T	T	T	Project Type
					Milestone
					ERP Targets taken from ERPP Vol 2
13 I. Status of 2.5 to 5 linear miles of self-sustaining riparian community created on the channels within the North Delta.	13 I. Status of 2.5 to 5 linear miles of self-sustaining riparian community created on the channels within the North Delta.	13 I. Status of 2.5 to 5 linear miles of self-sustaining riparian community created on the channels within the North Delta.	13 I. Status of 2.5 to 5 linear miles of self-sustaining riparian community created on the channels within the North Delta.	13 I. Status of 2.5 to 5 linear miles of self-sustaining riparian community created on the channels within the North Delta.	MS Components or Questions for field personnel
	ERP-99-F04	ERP-99-F03	ERP-98-F12	ERP-98-E11	ERP PROJECT NUMBERS
Mov 09	Jan-00	Jan-00	Mav-98	Jun-99	CONT START DATE
Mor 01	Jul-02	Jul-02	Sep-02	Jul-01	END DATE
95 000	5,356,000	860.778	2.622.500	271.653	CALFED Award
	none	none	none	0	Cost Share
85.000	5,356,000	860.778	2.622.500	271.653	Total Project Cost
Reclamation District No.	The Nature Conservancy	The Nature Conservancy	US Fish & Wildlife Service	Yolo Bypass Foundation	Applicant
Carl Worder	Michael Eaton	Michael Eaton	Thomas Harvey	Robin Kulakow	Principal Investigator
.4479 miloo		acres	70.9 acres		Quantifiable Units
Cache Siough Shaded Riverine Aquatic Habitat Enhancement Project	McCormick Williamson Tract's Acquisition	McCormick Williamson Tract's Wildlife- Friendly Levee Management Project	Stone Lakes NWR Land Acquisitions	Watershed Restoration Strategy for the Yolo Bypass	Project Name
Project currently in the planning process. Gilbert Cosio Jr., MBK Engineers. Planning; project completed.	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 de 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.	Project is part of McCormick Williamson Tract Restoration, a portion will be restored to unspecified miles of self-sustaining riparian community on the channels. (Also see ERP-99-F04, 00-F07, 00-08, 02- P25). Keith Whitener, TNC. Planning and Implementation; This phase of project is completed. Approximately 1 mile of levee on the north end was resloped at a 5 to 1 ratio and planted with native upland and riparian vegetation. Portions of the grant were also used for stewardship. 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 Program planning. The property is being considered under a broader, multi-program effort so further implementation is uncertain at this time. There is also the desire by the TNC 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 555 acres of which a portion 70.9 acres of riparian habitat will be restored or protected in the North Delta. Given in acres and not in miles which the milestone addresses. Acquiring and planning stage. <i>Tom Harvey, USFWS. Acquisition and some initial planning; the</i> <i>Sun River was purchased for the FWS by American Lands</i> <i>Conservancy.</i>	Unspecified amount will be restored as self-sustaining riparian community in the North Delta. Project is for outreach and preliminary planning. Robin Kulakow. Planning; The program established the Yolo Bypass Working Group where they developed the August 2001 report entitled "A Framework for the Future: Yolo Bypass Management Strategy." The report identified strategies developed by all the stakeholders within the bypass that were acceptable approaches for restoration. The report did not, however, state what to do and where to do it so it may not meet any milestones since it was more of a strategy on how to get there.	Comments

13	13	3	13	13	MS Number
Delta	Delta	Delta	Delta	Delta	REGION
I	T	_		т	Project Type
					Milestone
	Restore or plant riparian and riverine aquatic habitats and recreate slough habitat and set back levees				ERP Targets taken from ERPP Vol 2
13 K. Status of the restoration or replanting of riparian and riverine habitats in the Delta EMZ	13 K. Status of the restoration or replanting of riparian and riverine habitats in the Delta EMZ	13 J. What is the average width of the restored habitat?	13 I. Status of 2.5 to 5 linear miles of self-sustaining riparian community created on the channels within the North Delta.	13 I. Status of 2.5 to 5 linear miles of self-sustaining riparian community created on the channels within the North Delta.	MS Components or Questions for field personnel
ERP-96-M03	ERP-96-M02		ERP-02-P12	ERP-99- C01/C02	ERP PROJECT NUMBERS
Oct-98	none listed		Apr-03	none listed	CONT START DATE
Sep-99	none listed		Mar-06	Mar-04	END DATE
500.000	2,500,000	, ,	1.800.000	1,007,800	CALFED Award
500.000	3,750,000		0	0	Cost Share
1.000.000	6,250,000	, ,	1.800.000	1,063,600	Total Project Cost
Department of Water Resources	Department of Water Resources		Hart Restoration, Inc.	The Nature Conservancy	Applicant
Evelyn Tipton ? Or Bob Nozuka	Kate Hansel		Jeff Hart	Michael Eaton	Principal Investigator
			3.320 LF		Quantifiable Units
Sacramento River (Verona to Collinsville) Riparian Habitat Restoration (Phase 1 Feasibility)	Prospect Island Restoration Project		Sustainable Restoration Technologies for Bay/Delta Tidal Marsh and Riparian Habitat	Lower Cosumnes-Mokelumne Rivers Feasibility Study	Project Name
Planning for project will restore shaded riverine aquatic habitat (SRA) along 66 miles of Sacramento River, Sutter and Steamboat Sloughs. <i>Bob Nozuka. Planning.</i> 75% completed.	Project will restore shallow-water, tidal wetlands, and aquatic habitat. The existing levees will be breached in two locations to restore full tidal action. Project is a total of approx 1,300 acres. <i>Gina</i> <i>VanKlompenburg, CDFG. No implementation; This project was</i> <i>supposed to restore shallow water fresh emergent wetlands by</i> <i>breaching levees to restore tidal action. Additionally, it was to</i> <i>restore/replant riparian habitat on internal islands. An</i> <i>unplanned and misplaced breach prior to the project getting</i> <i>started stalled the project. No implementation has taken place to</i> <i>date.</i>		Restore 5,000 LF along Georgiana Slough. Jeff Hart, Hart Restoration, Inc. Implementation. Riparian: 13I - 3,320 linear feet, plus 5,500 linear feet in the Central and West Delta EMU. Project 33% completed.	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. 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-F04, 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). The project will evaluate potential strategies and approaches to improve habitat conditions and reduce flood hazards along the two rivers.	Comments

ber	ype					CON	TRACT	_					able			
AS Numt	roject T	Milectone	ERP Targets taken	MS Components or Questions for field		START		CALFED	Cost Sharo	Total Project	Applicant	Principal	Quantifia Jnits	Project Name		omm
	<u> </u>	Milestone		Personnei 13 K. Status of the restoration or replanting of riparian and riverine habitats in the Delta EMZ	n	DATE		Award	Cost Snare	Cost	Applicant	investigator	05	Restoring Ecosystem Integrity in the Northwestern Delta	Restore and plant native ripe Slough and Calhoun Cut in Restored riparian vegetation Calhoun Cut in the North Del projects: Rush Ranch Project is tidal wetland; 940 is grassi 80 is diked freshwater wetlar been restored to tidal marsi 1,350 acres of vernal pool percentage may qualify as t vernal pools near the Jepson for alkali milk vetch (MS 43, upland to Suisun Marsh; res: 38	arian l the N alon ta. Pr (198 land; d (MS b (MS
3					ERP-97-N10	Feb-08	Sep-02	202 801	none	292 801	Solano Land	lulian Meisler	1 mile			
13				13 K. Status of the restoration or replanting of riparian and riverine habitats in the Delta EMZ	ERP-97-N13	Jul-98	Dec-01	885.202	0	885.202	Hart Restoration, Inc.	Jeff Hart	5.000 L F	Tyler Island Restoration	Use biotechnical bank and leve 2,000 LF at Georgiana Sloug Mokelumne River. Jeff Hart, Hai Restore SRA and riparian ha Slough and 3,000 ft along Mok 7,500 ft. Also 2.3 acres of to co	ee m jh ai abita abita relur tidal mple
				13 K. Status of the restoration or replanting of riparian and riverine habitats in the Delta EMZ			00	000,002			US Corps of	Welles Ve		Prospect Island Habitat Protection Project	This project will close the breach loss of riparian habitat along the restore 1,200 acres of freshwar Gina VanKlompenburg, CDFG supposed to restore shallow v breaching levees to restore ti restore/replant riparian h unplanned and misplaced b started stalled the project. Th any restoration, but was for island, which was completed habitat restoration implement	in the tert of call abit read is p leve d. The enta
				13 K. Status of the restoration or replanting of riparian and riverine habitats in the Delta EMZ	ERP-98-A01	Sep-98	Sep-99	2,000,000) none	e 2,000,000	Reclamation District No.	Walter Yep	.4479	Cache Slough Shaded Riverine Aquatic Habitat Enhancement Project	Project currently in the plannir Engineers. Plann	ng pro ning;
13				13 K. Status of the restoration or replanting of riparian and riverine habitats in the Delta EMZ	ERP-98-B08	May-98	Mar-01	24.000	none	24.000	2060 Department of Water Resources	Carl Werder	miles	Assist in Developing Appraisal & Planning with TNC for the McCormack- Williamson Property	Purpose of the project is to pr CALFED CAT III project 97-N14 McCormack Williamson Tract portion of 97-N14 was later dr contracts ERP-99-F03, ERP-99 P25. Proj	rovid 4, ac . The oppe -04, I iect e
				13 K. Status of the restoration or replanting of riparian and riverine habitats in the Delta EMZ	n		1404-01	24,000		27,000	Yolo Bypass			Watershed Restoration Strategy for the Yolo Bypass	Unspecified amount will be re community in the North Delta. Pi planning. Robin Kulakow. Plan Yolo Bypass Working Group 2001 report entitled "A Frame Management Strategy." T developed by all the stakehol acceptable approaches for however, state what to do and any milestones since it was	sto roje ning whe wor 'he Ider for there

							CON	TRACT								
ber	_	Typε					CON		1					iable		
Nun	GION	ject		FRP Targets taken	MS Components or Questions for field	FRP PROJECT	START		CALEED		Total Project		Principal	antif ts		
MS	RE	Pro	Milestone	from ERPP Vol 2	personnel	NUMBERS	DATE	END DATE	Award	Cost Share	Cost	Applicant	Investigator	Uni U	Project Name	Comments
					13 K. Status of the restoration or replanting of riparian and							Department of			Rhode Island Floodplain Management and Habitat Restoration	Planning for restoration of riparian and wetland habitats on 67 acre Rhode Island, portion may be riparian or riverine habitat. The project
					riverine habitats in the Delta							Fish and				is located in the Delta EMZ. Unspecified amounts will be restored.
												Game, Sacramento				Central Sierra Region. Planning. Project completed.
ŝ	Delta	-				ERP-98-F09	Sen-99	lun-00	25.000	0	25.000	Valley-Central Sierra Region	Ed Littrell	<67		
		-			13 K. Status of the restoration	EIG - 30-1 03	000-00	501-00	23,000	0	20,000	Olerra Region	Ed Elition	40103	Stone Lakes NWR Land Acquisitions	Acquire 555 acres of which a portion 70.9 acres of riparian habitat will
					or replanting of riparian and riverine habitats in the Delta											be restored or protected in the North Delta. Given in acres and not in miles which the milestone addresses. Acquiring and planning stage.
					EMZ							US Fich &				Tom Harvey, USFWS. Acquisition and some initial planning; the Sun River was purchased for the FWS by American Lands
	elta											Wildlife		70.9		Conservancy.
13	ă	т			13 K. Status of the restoration	ERP-98-F12	May-98	Sep-02	2,622,500	none	2,622,500	Service	Thomas Harvey	acres	Lower Cosumnes-Mokelumne Rivers	Feasibility study of ecosystem restoration opportunities (particularly
					or replanting of riparian and										Feasibility Study	those with flood hazard reduction benefits) on the Cosumnes river and
					EMZ											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 ERF
																99-F03, ERP-02-P25). Mike Eaton, TNC. Planning; This grant
																new scope for the project with the project proponents (TNC,
	a					EBB 00						The Neture				SAFCA, Sac County, and EBMUD).
13	Delt	т				C01/C02	none listed	Mar-04	1,007,800	none	1,063,600	Conservancy	Michael Eaton			
					13 K. Status of the restoration or replanting of riparian and										McCormick Williamson Tract's Wildlife- Friendly Levee Management Project	Project is part of McCormick Williamson Tract Restoration, a portion will be restored to unspecified miles of self-sustaining riparian
					riverine habitats in the Delta											community on the channels. (Also see ERP-99-F04, 00-F07, 00-08, 02 P25) Kotth Whitener, TNC, Planning and Implementation: This
																phase of project is completed. Approximately 1 mile of levee on
																the north end was resloped at a 5 to 1 ratio and planted with native upland and riparian vegetation. Portions of the grant were
																also used for stewardship. The project could eventually
																operation of the property is uncertain at this time due to the
																North Delta Program planning. The property is being considered under a broader. multi-program effort so further implementation
																is uncertain at this time. There is also the desire by the TNC to
																values before other modifications are made to the interior of the
																property such as breeching the exterior levees.
	elta						la:: 00	h.1.00	000 770		960 770	The Nature	Michael 5-1-			
- -		Ŧ			13 K. Status of the restoration	ERP-99-FU3	Jan-UU	Jul-U2	000,778	none	000,778	conservancy	wichael Eaton		McCormick Williamson Tract's	Also see ERP-99-F03, ERP-00-07, ERP-00-08, ERP-02-P25. Keith
					or replanting of riparian and riverine habitats in the Delta										Acquisition	Whitener, TNC. Acquisition; The property was acquired by the Nature Conservancy. They are still working on planning for the
					EMZ											long term management of the property. The project could
																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 resioping to improve stability and habitat values before other modifications are made
																to the interior of the property such as breeching the exterior
	ta											The Noture				167665.
13	Delt	т				ERP-99-F04	Jan-00	Jul-02	5,356,000	none	5,356,000	Conservancy	Michael Eaton			
					13 K. Status of the restoration or replanting of riparian and							Hart			Georgiana Slough Habitat	This project will plant 7 miles of an enriched palette of riparian tree species on poorly vegetated berms. <i>Jeff Hart. Implementation.</i>
e	Delta	-			riverine habitats in the Delta	ERP-99-N03	Nov-99	Mar 03	1 100 000	0	1 100 000	Restoration,	loff Hart	7 miles		Project completed.

NODE Note-of-operation Rep Targets takes from ERPP Vol 2 MS Components or Questions for field personnel ERP PROJECT NUMBERS Status Takes Status takes ERP PROJECT Status ConTRACT Cal FeD end Cal FeD Award Cost share gio	of billing of billing ERP Targets take from ERPP Vol 2 MS Components or Questions for field from ERPP Vol 2 ERP PROJECT START DATE Start END DATE CALFED CALFED Total Project Cost Share Total Project Cost Share rgio r Image: Status of the restoration or replanting of riparian and riverine habitats in the Delta EMZ FRP-02-C07-D Jun-03 Dec-06 23,550,000 6,500,000 30,050,000 Conservary Conservary rgio r Image: Status of the restoration or replanting of riparian and riverine habitats in the Delta EMZ FRP-02-C07-D Jun-03 Dec-06 23,550,000 6,500,000 30,050,000 Conservary Conservary rgio r Recreate slough habitat 13 K. Status of the restoration or replanting of riparian and riverine habitats in the Delta EMZ FRP-02-P03 Nov-06 1,500,000 335,000 1,850,000 Conservary rgio r Recreate slough habitat 13 L. Status of the recreation of slough habitat in the Delta EMZ ERP-02-P12 Apr-03 Mar-06 1,800,000 0 1,800,000 1,800,000 1,800,000 1,800,000 1,800,000 1,800,000 1,800,000 1,800,000 1,800,000 1,800,000 1,800,000 1,800,000 1,800,000 1,800,000 1,800,000 1,800,000 1,800,000 1,800,000 1,800,000 1,800,0	No. No. CONTRACT Contrat Contract Contra	
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Cost Share 6,500,000 335,000 0	Cost Share Total Project Cost Applicant 6,500,000 30,050,000 California State Coastal Conservancy 335,000 1,850,000 California State Coastal Conservancy 0 1,850,000 Hart Restoration, Inc. 0 1,800,000 Hart Restoration, Inc. 0 24,000 Department of Water Resources	Cost ShareTotal Project CostApplicantPrincipal Investigator6,500,00030,050,000California State Coastal ConservancyMary Small335,0001,850,000California State Coastal ConservancyMary Small335,0001,850,000California State Coastal ConservancyMary Small01,800,000Hart Restoration, Inc.Jeff Hart024,000Department of Water ResourcesCurt Schmutte	1,007,800
	Total Project Cost Applicant California State Coastal California State Coastal 30,050,000 Conservancy California State Coastal California State Coastal 1,850,000 Conservancy Hart Restoration, 1,800,000 Hart Restoration, Inc. 24,000 Department of Water Resources	Total Project Cost Applicant Principal Investigator 30,050,000 California State Coastal Mary Small 30,050,000 Conservancy Mary Small 1,850,000 Conservancy Mary Small 1,850,000 Conservancy Mary Small 1,850,000 Inc. Jeff Hart 1,800,000 Inc. Jeff Hart 24,000 Department of Water Resources Curt Schmutte	none
		Principal Investigator Mary Small Mary Small Jeff Hart	The Nature Conservancy
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13 Delta
р Д <u>Т</u>
13 O. Status of the protection of riparian woodlands in East
ERP-99-F04
Jan-00
Jul-02
5,356,000
none
5,356,000
The Nature Conservancy
Michael Eaton
8.8 acres
Lower Cosumnes-Mokelumne Rivers Feasibility Study
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

MULTI SPECIES CONSERVATION STRATEGY MILESTONE 14 -- ROLLED UP SUMMARY

MILESTONE 14 Restore a minimum of 300 acres of self- sustaining or managed diverse natural riparian habitat along the Mokelumne River, Cosumnes River, and Calaveras River and protect existing riparian habitat.	PROJECTS REVIEWED - ERP-96-M06, ERP-97-N14, ERP-98-B17, ERP-98-C17, ERP-98-C18, ERP-98-C18, ERP-99-C18, ERP-99- C01/C02, ERP- 99-F03, ERP-99- F04, ERP-99- N06, ERP-01- N10, ERP-02- C08, ERP-02- P20, ERP-02- P20, ERP-02- P49	SUMMARY Several ERP contracts addressed this milestone. Three grants address both the Mokelumne and Cosumnes rivers but were primarily planning efforts. One grant was focused on the Mokelumne River and protected approximately 45 acres of riparian habitat. Several other grants addressed the Cosumnes River, one contract was issued for floodplain restoration in the area of the lower Cosumnes River, and s ix of them acquired lands and protected existing habitats but acreages are not available at this time. Those properties will be improved as the planning process evolves and additional lands are acquired to open additional areas of the Cosumnes floodplain. Four grants on the Cosumnes addressed planning along the corridor. No contracts addressed the Calaveras River.	AGENCY NOTES	NOTES CONT'D
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MULTI SPECIES CONSERVATION STRATEGY MILESTONE 14 -- EVALUATION OF INDIVIDUAL PROJECTS REVIEWED TO FORMULATE THE ROLLED UP SUMMARY

14	14	14	MS Number
Delta	Delta	Delta	REGION
Т	т	Т	Project Type
		Restore a minimum of 300 acres of self-sustaining or managed diverse natural riparian habitat along the Mokelumne River, Cosumnes River, and Calaveras River and protect existing riparian habitat.	Milestone
			ERP Targets taken from ERPP Vol 2
If A. Status of resoluting self- sustaining or managed diverse natural riparian habitat along the Mokelumne River in acres.	14 A. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Mokelumne River in acres.	14 A. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Mokelumne River in acres.	MS Components or Questions for field personnel
ERP-98-B17	ERP-97-N14	ERP-96-M06	ERP PROJECT NUMBERS
Jul-98	Oct-96	Oct-96	CONT START DATE
Jul-02	Sep-02	none listed	END DATE
5,356,000	1,985,100	1,500,000	CALFED Award
none	none	10,500,000	Cost Share
5,356,000	1,985,100	12,000,000	Total Project Cost
The Nature Conservancy	The Nature Conservancy	The Nature Conservancy	Applicant
Michael R. Eaton	Michael R. Eaton	Michael R. Eaton	Principal Investigator
300 acres	<2947 acres	.5 mile	Quantifiable Units
Acquisition	Cosumnes Start-up Stewardship and Restoration	The Valensin Ranch Acquisition and Restoration Project	Project Name
Acquire 2,247 acres of which a pointed with estable to self- sustaining or managed diverse natural riparian habitat along the Cosumnes River. Unspecified amounts will be restored. <i>Mike Eaton</i> , <i>TNC. Acquisition; This grant was used for acquisition of the</i> <i>Park/Costello, Denier (different parcel than acquired with 97-N14</i> and 98-F19), and Whaley properties. These acquisitions have resulted in protection of VELB, vernal pool, and riparian habitats and allowed for some testing of different restoration management strategies on approximately 300 acres. Quantifiable units of protection or restoration are not available at this time. This grant is related to 96-M06 and some acreages and river miles are provided for that grant.	Acquire 2,947 acres of which a portion will be restored, or maintained riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along the Cosumnes River. Acquisition. This grant was used along with ERP-98-F19 to acquire the Denier property and used for acquisition of the Woods property for protection and restoration of riparian and wetland habitats. This grant also funded some planning, restoration, and stewardship activities such as installation of gates, new fences, and clean up of these new and other existing holdings on the preserve.	Acquire 4,356 acres of which a portion will be restored to self- sustaining or managed diverse natural riparian habitat along the Cosumnes River. Unspecified amounts will be restored. <i>Mike Eaton.</i> <i>Acquisition protecting approximately</i> . <i>5 miles of riverine riparian</i> <i>habitat, 290 acres of aquatic and riparian habitat at Horseshoe</i> <i>Lake and about 75 acres of riparian restoration.</i>	Comments

14	14	14	4	14	MS Number
Delta	Delta	Delta	Delta	Delta	REGION
Т	T	T	Ŧ	т	Project Type
					Milestone
					ERP Targets taken from ERPP Vol 2
14 A. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Mokelumne River in acres.	14 A. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Mokelumne River in acres.	14 A. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Mokelumne River in acres.	14 A. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Mokelumne River in acres.	14 A. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Mokelumne River in acres.	MS Components or Questions for field personnel
ERP-99-F04	ERP-99-F03	ERP-99- C01/C02	FRP-98-F19	ERP-98-C17	ERP PROJECT NUMBERS
Jan-00	Jan-00	none	Mar-99	Dec-98	CONT START DATE
Jul-02	Jul-02	Mar-04	Sen-01	Nov-01	END DATE
5,356,000	860.778	1.007.800	750.000	24,000	CALFED Award
none	none	none	none	none	Cost Share
5.356.000	860.778	1.063.600	750.000	24,000	Total Project Cost
The Nature Conservancy	The Nature Conservancy	The Nature Conservancy	The Nature	Department of Water Resources	Applicant
Michael R. Eaton	Michael R. Eaton	Michael R. Eaton	Michael R. Eaton	Curt Schmutte	Principal Investigator
	8.8acres		<475.5 acres		Quantifiable Units
McCormick Williamson Tract's Acquisition	McCormick Williamson Tract's Wildlife- Friendly Levee Management Project	Lower Cosumnes-Mokelumne Rivers Feasibility Study	Cosumnes River Acquisition, Restoration, Planning and Demonstration	Assist in Developing Appraisal & Planning with TNC for the McCormack- Williamson Property	Project Name
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.	Project is part of McCormick Williamson Tract Restoration, a portion will be restored to unspecified miles of self-sustaining riparian community on the channels. (Also see ERP-99-F04, 00-F07, 00-08, 02- P25). Keith Whitener, TNC. Planning and Implementation; This phase of project is completed. Approximately 1 mile of levee on the north end was resloped at a 5 to 1 ratio and planted with native upland and riparian vegetation. Portions of the grant were also used for stewardship. 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 Program planning. The property is being considered under a broader, multi-program effort so further implementation is uncertain at this time. There is also the desire by the TNC 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). <i>Mike Eaton, TNC. Planning; This grant</i> 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).	No properties identified in contract. Appraisal Report for a 475.5 acres parcel in project folder. The \$750K would cover less than have of the listed price of \$1,910K property. Unspecified amounts will be restored. <i>Mike Eaton, TNC. Acquisition; This grant was used</i> <i>along with ERP-97-N14 to acquire the Denier property for</i> <i>protection and restoration of riparian and wetland habitats.</i>	Purpose of the project is to provide additional services & support CALFED CAT III project 97-N14, acquisition & initial site planning for McCormack Williamson Tract. The McCormack Williamson Tract portion of 97-N14 was later dropped and assigned to the following contracts ERP-99-F03, ERP-99-04, ERP-00-07, ERP-00-08, ERP-02- P25. Project completed.	Comments

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En la	NO	act T		MS Components or									, tifia		
AS N	čEG		ERP Targets taken	Questions for field	ERP PROJECT	START	END	CALFED	Cost Share	Total Project	Annlicant	Principal	Juits	Broject Name	Comments
-	*	willestone		14 A. Status of restoring self-	NUMBERS	DATE	DATE	Awaru	Cost Slidre	0051	Applicatit	investigator		Cosumnes/Mokelumne Corridor	Acquire a portion of 1179.84 acres of which a portion will be r
				sustaining or managed										Floodplain Acquisition, Management,	to self-sustaining or managed diverse natural riparian habitat al
				diverse natural riparian										and Restoration Planning	extension and has not begun implementation yet. The pr
				River in acres.											will involve acquiring easements and managing existin
															holdings. It will also contribute to additional biologica
															inventories of new and existing holdings. Some of the pote easements/acquisitions could contribute to improved flood
															habitat opportunities, enhanced wildlife friendly agricultu
															restoration opportunities of slough habitats, and restoration
															cranes.
													-		
	ta										The Nature		1179 84		
4	Delt	т			ERP-01-N10	Mar-03	Mar-04	3,044,342	None	3,044,342	Conservancy	Michael R. Eaton	acres		
				14 A. Status of restoring self-							O an la amin			Restoration and Monitoring of Riparian	Approximately 45 acres natural riparian habitat. John Brodie. F
				diverse natural riparian							San Joaquin County			Mokelumne River	15% complete
	_			habitat along the Mokelumne							Resource				
4	elta			River in acres.	EBD 02 D20	Aug 02	101.06	950 405	102 500	1 051 005	Conservation	John Mook	AF agro		
-		-		14 A. Status of restoring self-	LIKF-02-F 20	Aug-03	Jui-00	039,403	192,500	1,001,900	District	JOIIII Week	-45 acres	HAZMAT Review for ERP Land	DWR will oversee or evaluate the work of outside consultants
				sustaining or managed										Acquisitions	contractors to ensure the all applicable regulatory requirement
				habitat along the Mokelumne											and remedial actions are complied with. DWR will also provid
				River in acres.											conduct environmental site assessment activities. Derrick Ada
	ta														DWR Planning. Project completed.
14	Del	エ			ERP-98-C18	Dec-98	Nov-01	24,000	0	24,000	CDWR	Derrick Adachi			
				14 A. Status of restoring self-										Linked Hydrogeomorphic-Ecosystem	Develop a model that will be used to simulate the hydrological e
				diverse natural riparian										Management: Cosumnes-Mokelumne	groundwater management methods. Jeff Mount UC Dav
				habitat along the Mokelumne										Paired Basin Project	Research and Planning; The project is wrapping up. The
				River in acres.											Research and modeling efforts from this project could cont
															to future evaluation and improvements to riparian habitats
															and 14), to instream flows (17), to fish passage and reduction
	_														prevation (25, and to reduce the sediment loading (29)
4	Delta	_			FRP-99-N06	Jan-00	Jan-03	1 546 016	none	1 546 016	UC Davis	Jeff Mount			
				14 A. Status of restoring self-		0011 00	001100	1,0-10,010	none	1,0-10,010	00 0010			Restoration of Eastern Delta	Restore the Grizzly Slough property as floodplain. The project
				sustaining or managed										Floodplain Habitats on Grizzly Slough	contribute to the extent and continuity of floodplain and ripari
				habitat along the Mokelumne										in the Costinnes River vidersneu	DWR. Planning. The contract is just being finalized so no
				River in acres.											has been completed to date. A baseline assessment and de
											Department of				topography will be produced for use in the future develops
4	elta							200.000	42,000	240.000	Water	Dava Brown			and analysis of anematyes
÷		<u> </u>	+	14 B. Status of the protection	ERP-02-008	<u> </u>		300,000	43,200	343,200	Resources	Dave Brown		Restoration of Eastern Delta	Restore the Grizzly Slough property as floodplain. The project
				of existing riparian habitat										Floodplain Habitats on Grizzly Slough	contribute to the extent and continuity of floodplain and ripar
				along the Mokelumne River										in the Cosumnes River Watershed	corridor in the area of the lower Cosumnes River. Dave Bro DWR. Planning. The contract is just being finalized so no
															has been completed to date. A baseline assessment and de
															topography will be produced for use in the future develop
	æ										Department of	-			and analysis of alternatives
4	Delt	_			ERP-02-C08			300.000	43.200	343.200	Water Resources	Dave Brown			
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Project Type	Milestone	Milestone ERP Targets taken from ERPP Vol 2 MS Components of Questions for fiel personnel 14 B. Status of the prote of existing riparian habit: along the Mokelumne Ri	Milestone ERP Targets taken from ERPP Vol 2 MS Components or Questions for field personnel ERP PROJECT NUMBERS 14 B. Status of the protection of existing riparian habitat along the Mokelumne River NUMBERS	Milestone ERP Targets taken from ERPP Vol 2 MS Components or Questions for field personnel ERP PROJECT NUMBERS START DATE 14 B. Status of the protection of existing riparian habitat along the Mokelumne River 14 B. Status of the protection of existing riparian habitat 14 B. Status of the protection of existing riparian habitat 14 B. Status of the protection of existing riparian habitat 14 B. Status of the protection of existing riparian habitat 14 B. Status of the protection of existing riparian habitat 14 B. Status of the protection of existing riparian habitat 14 B. 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<u> </u>		14 C. Status of restoring	ERP-99- C01/C02 14 C. Status of restoring self-	ERP-99- none C01/C02 listed	ERP-99- none C01/C02 listed Mar-04	ERP-99- none C01/C02 listed Mar-04 1,007,800	ERP-99- none C01/C02 listed Mar-04 1,007,800 none	ERP-99- C01/C02 none listed Image: Mar-04 1,007,800 none 1,063,600 14 C. Status of restoring self- 5	ERP-99- none C01/C02 listed Mar-04 1,007,800 none 1,063,600 Conservancy	ERP-99- none Isted Mar-04 1,007,800 none 1,063,600 The Nature Image: None Coll/Coll Isted Mar-04 1,007,800 none 1,063,600 Conservancy Michael R. Eaton	ERP-99- C01/C02 none 1,007,800 none 1,063,600 The Nature Conservancy Michael R. Eaton	ERP-99- none 1,007,800 none 1,063,600 Conservance Michael R. Eaton Michael R. Eaton 14 C. Status of restoring self- Mar-04 1,007,800 none 1,063,600 Conservance Michael R. Eaton
<u>r</u>		14 C. Status of restoring sustaining or managed diverse natural riparian habitat along the Cosum River	ERP-99- C01/C02 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River	14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River ERP-99- C01/C02 Isted	ERP-99- C01/C02 none listed Mar-04 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River Image: Content of the content	ERP-99- C01/C02 none listed Mar-04 1,007,800 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River Image: Cost of the second se	ERP-99- C01/C02 none listed Mar-04 1,007,800 none 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River Image: Cost of the second secon	ERP-99- C01/C02 none listed Mar-04 1,007,800 none 1,063,600 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River Image: Control of the cont	ERP-99- C01/C02 none listed Mar-04 1,007,800 none 1,063,600 The Nature Conservancy 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River Image: Status of restoring self- sustaining or managed Image: Status of restoring self- sustaining of restoring self- sustaining or managed Image: Status of restoring self- sustaining of restoring self- sustaining of restoring self- sustaining of restoring self	ERP-99- C01/C02 none listed Mar-04 1,007,800 none 1,063,600 The Nature Conservancy Michael R. Eaton 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River Isted	ERP-99- C01/C02 none listed Mar-04 1,007,800 none The Nature Conservancy Michael R. Eaton 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River Image: Status of restoring self- sustaining or managed	ERP-99- C01/C02 none listed Mar-04 1,007,800 none The Nature Conservancy Michael R. Eaton The Valensin Ranch Acquisition and Restoration Project 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River Image: Self- sustaining or managed Imag
		River 14 C. Status of restoring	River ERP-96-M06 14 C. Status of restoring self-	Inabitat along the Cosumnes River River ERP-96-M06 Oct-96 14 C. Status of restoring self- Costantial content of the self-	habitat along the Cosumnes none River ERP-96-M06 Oct-96 14 C. Status of restoring self- Isted	habitat along the Cosumnes none River ERP-96-M06 Oct-96 14 C. Status of restoring self- 1,500,000	Inabitat along the Cosumnes none River ERP-96-M06 Oct-96 listed 14 C. Status of restoring self-	Inabitat along the Cosumnes River Image: Cosumnes of the Cosumne	Inabitat along the Cosumnes River none none The Nature ERP-96-M06 Oct-96 listed 1,500,000 12,000,000 Conservancy	habitat along the Cosumnes River none none The Nature ERP-96-M06 Oct-96 listed 1,500,000 12,000,000 Conservancy Michael R. Eaton	habitat along the Cosumnes none The Nature <4356	habitat along the Cosumnes River River ERP-96-M06 Oct-96 listed 1,500,000 10,500,000 12,000,000 Conservancy Michael R. Eaton acres 14 C. Status of restoring self-
		14 C. Status of restoring sustaining or managed diverse natural riparian habitat along the Cosum River	ERP-96-M06 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River	ERP-96-M06 Oct-96 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River	ERP-96-M06 Oct-96 listed 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River Isted Isted	ERP-96-M06 Oct-96 Itorie 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River 1,500,000	ERP-96-M06 Oct-96 Interest is the second se	ERP-96-M06 Oct-96 Indire 1,500,000 10,500,000 12,000,000 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River Image: Align and Align a	ERP-96-M06 Oct-96 Indire 1,500,000 10,500,000 12,000,000 Conservancy 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River 14 C. Status of restoring self- sustaining or managed 1,500,000 10,500,000 12,000,000 Conservancy	ERP-96-M06 Oct-96 listed 1,500,000 10,500,000 12,000,000 Conservancy Michael R. Eaton 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River Image: Conservancy Michael R. Eaton	Indice Indice <td>Image: constraint of the failure Image: constraint of the failure Image</td>	Image: constraint of the failure Image
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<u>-</u>		14 C. Status of restoring sustaining or managed diverse natural riparian habitat along the Cosum River	ERP-99-N06 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River	ERP-99-N06 Jan-00 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River	ERP-99-N06 Jan-00 Jan-03 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River	ERP-99-N06 Jan-00 Jan-03 1,546,016 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River	ERP-99-N06 Jan-03 1,546,016 none 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River	ERP-99-N06 Jan-00 Jan-03 1,546,016 none 1,546,016 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River Image: Comparison of the comparis	ERP-99-N06 Jan-00 Jan-03 1,546,016 none 1,546,016 UC Davis 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River 1 <td< td=""><td>ERP-99-N06 Jan-00 Jan-03 1,546,016 none 1,546,016 UC Davis Jeff Mount 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River </td><td>Image: Constraint of the cosumnes River ERP-99-N06 Jan-00 Jan-03 1,546,016 None 1,546,016 UC Davis Jeff Mount</td><td>Image: Constraint of the constraint</td></td<>	ERP-99-N06 Jan-00 Jan-03 1,546,016 none 1,546,016 UC Davis Jeff Mount 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River	Image: Constraint of the cosumnes River ERP-99-N06 Jan-00 Jan-03 1,546,016 None 1,546,016 UC Davis Jeff Mount	Image: Constraint of the constraint
		River	River	River	River	River	River	River	River	River	River	River
		14.C. Status of restoring	ERP-99- C01/C02	ERP-99- none C01/C02 listed	ERP-99- none C01/C02 listed Mar-04	ERP-99- none C01/C02 listed Mar-04 1,007,800	ERP-99- none C01/C02 listed Mar-04 1,007,800 none	ERP-99- none C01/C02 listed Mar-04 1,007,800 none 1,063,600	ERP-99- none C01/C02 listed Mar-04 1,007,800 none 1,063,600 Conservancy	ERP-99- none C01/C02 listed Mar-04 1,007,800 none 1,063,600 Conservancy Michael R. Eaton	ERP-99- none C01/C02 listed Mar-04 1,007,800 none 1,063,600 Conservancy Michael R. Eaton	ERP-99- none C01/C02 listed Mar-04 1,007,800 none 1,063,600 Conservancy Michael R. Eaton
		14 C. Status of restoring sustaining or managed diverse natural riparian habitat along the Cosum River	14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River	14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River	14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River	14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River	14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River	14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River	14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River	14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River	14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River	14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River
<u>r</u>	-	14 C. Status of restoring sustaining or managed diverse natural riparian habitat along the Cosum River	ERP-98-C18 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River	ERP-98-C18 Dec-98 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River ERP-98-C18 Dec-98	ERP-98-C18 Dec-98 Nov-01 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River Image: Cost of the cost	ERP-98-C18 Dec-98 Nov-01 24,000 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River Image: Cost of the cost of th	ERP-98-C18 Dec-98 Nov-01 24,000 0 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River a b <td>ERP-98-C18 Dec-98 Nov-01 24,000 0 24,000 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River a b</td> <td>ERP-98-C18 Dec-98 Nov-01 24,000 0 24,000 CDWR 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River Image: Comparison of the cosume self self self self self self self sel</td> <td>ERP-98-C18 Dec-98 Nov-01 24,000 0 24,000 CDWR Derrick Adachi 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River Image: Cosume self self self self self self self sel</td> <td>ERP-98-C18 Dec-98 Nov-01 24,000 0 24,000 CDWR Derrick Adachi 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River Image: Comparison of the Cosumnes of the Cos</td> <td>ERP-98-C18 Dec-98 Nov-01 24,000 0 24,000 CDWR Derrick Adachi 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes 14 C. Status of restoring self- sustaining of restoring self- sustainininining of restoring</td>	ERP-98-C18 Dec-98 Nov-01 24,000 0 24,000 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River a b	ERP-98-C18 Dec-98 Nov-01 24,000 0 24,000 CDWR 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River Image: Comparison of the cosume self self self self self self self sel	ERP-98-C18 Dec-98 Nov-01 24,000 0 24,000 CDWR Derrick Adachi 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River Image: Cosume self self self self self self self sel	ERP-98-C18 Dec-98 Nov-01 24,000 0 24,000 CDWR Derrick Adachi 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River Image: Comparison of the Cosumnes of the Cos	ERP-98-C18 Dec-98 Nov-01 24,000 0 24,000 CDWR Derrick Adachi 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes 14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes 14 C. Status of restoring self- sustaining of restoring self- sustainininining of restoring
			EPP-07-N14		EDE 07. N14 Oct 96 Son 02	EPB 07 N14 Oct 06 Sep 02 1 085 100	EPR 07 N14 Oct 96 Sep 07 1 085 100 page	EPR 07 N14 Oct 96 Sep 02 1 985 100 popp 1 985 100	ERP-97-N14 Oct-96 Sep-02 1 985 100 pope 1 985 100 Conservatory	EPR 07 N14 Oct 96 Sep 07 1 095 100 page 1 095 100 Concernancy Michael R Esten	EPR 97 N14 Oct 96 Sep 02 1 995 100 pope 1 995 100 Conservation Witched P. Esten - 20175	EPR 07 N14 Oct 96 Sep 02 1 995 100 page 1 995 100 Conservacy Michael R Estan 2005

	14	14	14	14	MS Number
	Detta	Delta H	Uelta H	H Detta	REGION Project Type
					Milestone
					ERP Targets taken
14 D. Status of the protection of existing riparian habitat along the Cosumnes River	14 D. Status of the protection of existing riparian habitat along the Cosumnes River	14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River	14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River	14 C. Status of restoring self- sustaining or managed diverse natural riparian habitat along the Cosumnes River	MS Components or Questions for field personnel
EDD 00	ERP-02-P02	ERP-98-F19	ERP-01-N10	ERP-98-B17	ERP PROJECT
	Jul-03	Mar-99	Mar-03	Jul-98	CONT START DATE
	Jul-04	Sep-01	Mar-04	Jul-02	RACT END DATE
	2.000.000	750,000	3,044,342	5,356,000	CALFED Award
	4,000,000	none	None	none	Cost Share
	6,000,000	750,000	3,044,342	5,356,000	Total Project
The Neture	American River Conservancy	The Nature Conservancy	The Nature Conservancy	The Nature Conservancy	Applicant
	Alan Ehrqott	Michael R. Eaton	Michael R. Eaton	Michael R. Eaton	Principal Investigator
	2160 acres	<475.5 acres	Portion of 1179.84 acres	<2247 acres	Quantifiable Units
Lower Cosumnes-Mokelumne Rivers Feasibility Study	Upper Cosumnes River Basin Conservation Project	Cosumnes River Acquisition, Restoration, Planning and Demonstration	Cosumnes/Mokelumne Corridor Floodplain Acquisition, Management, and Restoration Planning	Cosumnes River Floodplain Acquisition	Project Name
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).	The purpose of this project is to purchase a conservation easement across an 1,814 acre ranch, and either a conservation easement or a fee title interest on a 348 acre property, totaling approximately 2,160 acres of exceptional riparian and upslope habitat along the North Fork of the Cosumnes River, with the Upper Cosumnes River Basin. Project is completed (according to one field review sheet, but not the other) Implementation. This project was easement acquisition of properties to protect riparian, riverine, and associated uplands identified in their strategic plan for the upper watershed. This grant was used to acquire approximately 1,800 acres of land between the north and south forks of the Cosumnes river. Some easements have been acquired and they are working on additional properties. This acquisition was not directly on the mainstem of the Cosumnes River but is a strategic piece of property for their strategic plan.	No properties identified in contract. Appraisal Report for a 475.5 acres parcel in project folder. The \$750K would cover less than have of the listed price of \$1,910K property. Unspecified amounts will be restored. <i>Mike Eaton, TNC. Acquisition; This grant was used along with ERP-97-N14 to acquire the Denier property for protection and restoration of riparian and wetland habitats.</i>	PORTION OF MILESTONE ADDRESSED: Acquire a portion of 1179.84 acress 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.	Acquire 2,247 acres of which a portion will be restored to self- sustaining or managed diverse natural riparian habitat along the Cosumnes River. Unspecified amounts will be restored. <i>Mike Eaton</i> , <i>TNC. Acquisition; This grant was used for acquisition of the</i> <i>Park/Costello, Denier (different parcel than acquired with 97-N14 and 98-F19), and Whaley properties. These acquisitions have resulted in protection of VELB, vernal pool, and riparian habitats and allowed for some testing of different restoration management strategies on approximately 300 acres. Quantifiable units of protection or restoration are not available at this time. This grant is related to 96-M06 and some acreages and river miles are provided for that grant.</i>	Comments

r		be					CON	TRACT						ole		
AS Numbe	REGION	roject Ty	Milectore	ERP Targets taken	MS Components or Questions for field		START	END	CALFED	Cost Share	Total Project	Applicant	Principal	Quantifiab Inits	Broject Nome	Commente
	L.		Wilestone		14 D. Status of the protection	NUMBERS	DATE	DATE	Awaru	COSt Sildre	COSI	Applicant	Investigator	60	East Sacramento County Blue Oak	Purchase a fee title interest of 2,054 acres of the Phase 1 Deer C
					of existing riparian habitat along the Cosumnes River							Sacramento			Legacy Acquisition Area-Dear Creek Hills Project	Hills. Protects unspecified amount of Blue Oak woodland, vernal grassland, and riparian communities. <i>Aimee Rutledge. Projetical and Communities</i> 2011
14	Delta	т				ERP-02-P49	May-03	Mar-04	800,000	4,939,857	562,924	Valley Conservancy	Aimee Rutledge	2054 acres		complete.
14	Delta	T			14 E. Status of the restoration of self-sustaining or managed diverse natural riparian habitat along the Calaveras River					1,000,007			,			
14	Delta	т			14 F. Status of the protection of existing riparian habitat along the Calaveras River											

Γ					MULT	I SPECIES	CONSE	RVA	TION ST	[RATE	GY MILE	ESTONE 1	5 ROLLE	ED UF	P SUMMARY		
n s c	ILES and res eason MU fo rane h	TONE al we or opti abita	E 15 Enhance, protect 1,000 to 1,500 acres of tlands in the East Delta mum greater sand hill t.			PROJECTS REVIEWED - ERP-00-F02, ERP-01-N10, ERP-02-P08	S, gr ag pi wr cc wl m	UMMA 000 to 1, eater sar gricultural anning pl etland reg ontinued o hether thi ust be de	RY A few 500 acres of ddhill crane hi l operations to hase and will generation ar operations, th is meet the co coided.	w ERP contr seasonal we abitat. Two o improve co focus on re- nd manager e flooded as commitment o	acts address etlands in the of the grants onditions for c storation of na ent. Dependi gricultural land of the milestor	enhancement, pr East Delta EMU address improve ranes. The othe stural processes ng upon the uncu s provide crane ne to provide sea	rotect and restore for optimum ments to r grant is in the for optimal ertainty of habitat, but isonal wetlands			AGENCY NOTES	NOTES CONT'D
			MULTI SPECIE		VATION STRATEG	SY MILEST	ONE 15	EV.	ALUATI	ON OF	INDIVIE	DUAL PRO	DJECTS RE	EVIEV	VED TO FORMULATE T	HE ROLLED UP SUM	IARY
	MS NUMBER REGION	Project Type	Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT NUMBERS	CONTRA START DATE	ACT END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comme	nts
			Enhance, protect and restore 1,000 to 1,500 acres of seasonal wetlands in the East Delta EMU for optimum greater sand hill crane habitat.		15 A. Status of the enhancement, of 1,000 to 1,500 acres of seasonal wetlands suitable for the greater sand hill crane in the East Delta EMU										Cosumnes/Mokelumne Corridor Floodplain Acquisition, Management, and Restoration Planning	Acquire a portion of 1179.84 acres of for wildlife friendly agricultural practi recently got an extension and has r The project will involve acquirin existing holdings. It will also cont inventories of new and existing ho easements/acquisitions could com habitat opportunities, enhanced restoration opportunities of sloug enhancement of optimized seasona crane	which a portion will be managed ces. Planning. This project not begun implementation yet. g easements and managing ribute to additional biological Idings. Some of the potential tribute to improved floodplain wildlife friendly agriculture, h habitats, and restoration or I wetlands for greater sandhill 5.
	To Delta	т				ERP-01-N10	Mar-03	Mar-04	3,044,342	None	3,044,342	The Nature Conservancy	Michael R. Eaton	Portion of 1179.84 acres			
	Delta	T			15 B. Status of the protection of 1.000 to 1,500 acres of seasonal wetlands suitable for the greater sand hill crane in the East Delta EMU?												
	Delta	-			15 C. Status of the restoration of 1,000 to 1,500 seasonal wetlands suitable for the greater sand hill crane in the East Delta EMU.	ERP-02-P08	Jul-03	Jun-06	1.507.459	none	1.507 459	Ducks Unlimited Western Regional Office	Jim Well/Patrick Fitzmorris		Staten Island Wildlife-Friendly Farming Demonstration	Project will increase the quality, qu habitat for greater sandhill crane. M Implementation. This grant is abo time. The project involves improve improve water management strateg 9,200 acre farming operation approximately one half of the interi- working on the new	antity and duration of flooded ike Eaton 916-683-1699 TNC. ut one third completed at this ments to the infrastructure to gies for wildlife benefits to the . They have completed for levee construction and are pump facility.

15	15	MS Number
Delta	Delta	REGION
т	н	Project Type
		Milestone
		ERP Targets taken from ERPP Vol 2
15 C. Status of the restoration of 1,000 to 1,500 seasonal wetlands suitable for the greater sand hill crane in the East Delta EMU.	15 C. Status of the restoration of 1,000 to 1,500 seasonal wetlands suitable for the greater sand hill crane in the East Delta EMU.	MS Components or Questions for field personnel
ERP-00-F02	ERP-01-N10	ERP PROJECT NUMBERS
Feb-00	Mar-03	CON1 START DATE
Sep-04	Mar-04	END DATE
131.980	3,044,342	CALFED Award
	None	Cost Share
131.980	3,044,342	Total Project Cost
Department of Fish and Game	The Nature Conservancy	Applicant
Brad Burkholder	Michael R. Eaton	Principal Investigator
	Portion of 1179.84 acres	Quantifiable Units
Canal Ranch Habitat Restoration Phase II	Cosumnes/Mokelumne Corridor Floodplain Acquisition, Management, and Restoration Planning	Project Name
The proposed restoration approach is to rely on restore conditions to the property which promote natural successional processes to promote wetland regeneration. 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.	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. 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.	Comments

					MUL	TI SPECIE	S CON	ISERV	ATION ST	[RATEG]	Y MILES	TONE 16	ROLLED	UP S	UMMARY				
MIL mini acre habi Cen Man	ESTC mum s of ti tat in tral ai agem	of 5 idal the nd W nent	16 Restore a 00, 250, 500, and 750 perennial aquatic North, East, South, and Vest Delta Ecological units respectively.			PROJECTS REVIEWED - ERP-98-C17, ERP-98-F09, ERP-98-F16, ERP-99- C01/C02, ERP- 99-F04, ERP-00- F02, ERP-02- C07D, ERP-02- P03D		SUMM/ 500, and 7 Central an that affect for the East involve ac restoration South Delf	ARY These '50 acres of tida d West Delta E both the North st Delta EMU, w quisition and pla n are not availat ta EMU.	ERP contracts al perennial aq MUs respective and East Delta vhile others addo anning. Acreas ole at this time.	address resto Jatic habitat in ely. A few cont EMUs. One c dress the Centr ges protected t There were n	ration of a minim the North, East, racts are in the p ontract is in the al and West Deli nrough acquisiti o contracts that a	um of 500, 250, South, and planning phase planning phase ta EMU and on or planned for addressed the			AGENCY NOTES	NOTES CONT'D		
			MULTI SPEC	IES CONSEI	RVATION STRATE	GY MILES	TONE	16 E'	VALUATI	ON OF II		AL PROJI	ECTS REV	EWE	D TO FORMULATE THE	E ROLLED UP SUMMAF	RY		
MS Number	REGION	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	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Commei	nts		
9	Jelta		Restore a minimum of 500, 250, 500, and 750 acres of tidal perennial aquatic habitat in the North, East, South, and Central and West Delta Ecological Management units respectively.		16 A. Status of restoring 500 acres of tidal perennial aquatic habitat in the North Delta EMU?	EDD 08 017	Dog 08	Nov 01	24.000		24.000	Department of Water	Curt Sebrutto		Assist in Developing Appraisal & Planning with TNC for the McCormack- Williamson Property	Purpose of the project is to provide additional services & suppo CALFED CAT III project 97-N14, acquisition & initial site planning McCormack Williamson Tract. The McCormack Williamson Tra portion of 97-N14 was later dropped and assigned to the followin contracts ERP-99-F03, ERP-99-04, ERP-00-07, ERP-00-08, ERP P25. Project completed. Feasibility study of ecosystem restoration opportunities (particula those with flood bazard reduction benefits) on the Cosumnes river			
	lta				16 A. Status of restoring 500 acres of tidal perennial aquatic habitat in the North Delta EMU?	ERP-99-	none	NOV-01	24,000	none	24,000	The Nature			Lower Cosumnes-Mokelumne Rivers Feasibility Study	s Feasibility study of ecosystem restoration opportunities (particula those with flood hazard reduction benefits) on the Cosumnes river Mokelumne River. Supports Cosumnes River and Mokelumne R Acquisition and restoration projects which have numerous ecosys benefits as already documented in other on going contracts. (Also ERP-99-F04, ERP-99-F03, ERP-00-07, ERP-00-08, ERP-99-F04, 99-F03, ERP-02-P25). Mike Eaton, TNC. Planning; This grant recently shifted to the Authority where they are working on a scope for the project with the project proponents (TNC, SAFe Sac County, and EBMUD).			
16	Del	T			16 A. Status of restoring 500 acres of tidal perennial aquatic habitat in the North Delta EMU?	C01/C02	listed	Mar-04	1,007,800	none	1,063,600	Conservancy	Michael Eaton		McCormick Williamson Tract's Acquisition	 Also see ERP-99-F03, ERP-00-07, ERP-00-08, ERP-02-P25. Kei 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. Ther 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. 			
16	Delta	_				ERP-99-F04	Jan-00	Jul-02	5,356,000	none	5,356,000	The Nature Conservancy	Michael Eaton						

er		be					CONT	RACT						ole		
qmnN SM	REGION	Project Ty	Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT NUMBERS	START DATE	END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiak Units	Project Name	Comments
	ta				16 B. Status of restoring 250 acres of tidal perennial aquatic habitat in the East Delta EMU?							Department of			Canal Ranch Habitat Restoration Phase II	The alternatives developed in this planning phase will include and address tidal perennial aquatic 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.
16	Del	т				ERP-00-F02	Feb-00	Sep-04	131,980		131,980	Fish and Game	Brad Burkholder			
16	Delta	т			acres of tidal perennial aquatic habitat in the South Delta EMU?											
16	Delta	Ŧ			16 D. Status of restoring 750 acres of tidal perennial aquatic habitat in the Central and West Delta EMU?	ERP-98-F09	Sep-99	Jun-00	25,000	none	25,000	Department of Fish and Game, Sacramento Valley-Central	Ed Littrell	<67 acres	Rhode Island Floodplain Management and Habitat Restoration	Planning for restoration of riparian and wetland habitats on 67 acre Rhode Island, portion may be tidal perennial aquatic habitat. The project is located in the Central and West Delta EMU. Unspecified amounts will be restored. <i>Ed Littrell. Planning. Project completed.</i>
16	Delta	I			16 D. Status of restoring 750 acres of tidal perennial aquatic habitat in the Central and West Delta EMU?	ERP-02-C07-D	Jun-03	Dec-06	23,550,000	6,500,000	30,050,000	California State Coastal Conservancy	Mary Small	381 acres	Dutch Slough Acquisition and Planning	Planning for restoration of up to 381 acres of Shallow Water (Tidal perennial aquatic habitat in the Central and West Delta EMU). <i>Mary</i> <i>Small. Project complete. Estimated acres of restoration.</i>
16	Delta	Т			16 D. Status of restoring 750 acres of tidal perennial aquatic habitat in the Central and West Delta EMU?	ERP-02-P03D	Nov-03	Nov-06	1,500,000	335,000	1,850,000	California State Coastal Conservancy	Mary Small	381 acres	Dutch Slough Acquisition and Planning	Purchase of 1,166 acres for purposes of open space and habitat, up to 381 acres potentially contribute to 16 D. Mary Small. There may be deep water habitat created, mainly drawing away from the 381 acres of shallow water habitats. Planning project 5% complete.

					MULTI	SPECIES	CONS	ERVA	TION S	TRATE	GY MILE	STONE 1	7 ROLLE	D UP	SUMMARY		
MILE imple inade steel strea tribut provi Sacra sturg	STO ment quate nead ms w aries. de ad amen eon.	NE , a pe ins and ithin Wi lequ to sp	17 Develop and rogram to address stream flows for Chinook salmon on Eastside Delta here appropriate ate flows for plit tail and green			PROJECTS REVIEWED - ERP-98-B25, ERP-99-N06, AFRP-2000-07, AFRP-2000-21, WSP-01-FP-054		SUMMAR Conservat flows withi UC Davis I Basins ma address in needed to	Y Several of ion District ha n the Eastsid research and y provide the adequate flow address the	contracts and ave contribut le Delta tribu l planning pro- b basis for de ws for target Calaveras R	d funds from the ted directly to taries and per oject on the C veloping and ed fish specie iver and other	ne San Joaquin (addressing inade ding the final pr osumnes - Moke implementing a p s. Continued fu tributaries.	County Resource equate instream oject report, the lumne River orogram to nding and is			AGENCY NOTES	NOTES CONT'D
			MULTI SPECIE	S CONSERV	ATION STRATEG	Y MILEST	ONE 17	7 EV.	ALUATI	ON OF			JECTS RE	VIEW	ED TO FORMULATE TI	HE ROLLED UP SUMN	IARY
MS Number	REGION	Project Type	Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT NUMBERS	CONT START DATE	END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comm	ents
17	Delta	SR	Develop and implement a program to address inadequate instream flows for steelhead and Chinook salmon on streams within Eastside Delta tributaries. Where appropriate provide adequate flows for Sacramento split tail and green sturgeon.		17 A. Status of a program to address the inadequate instream flows for steelhead and Chinook salmon on the Cosumnes River	ERP-98-B25	Mar-99	Oct-04	230.255	188,255	418.510	Fishery Foundation of California	Patricia Duran		Cosumnes River Salmonid Barrier Program	The project will involve the design and construction of modifications both of Granlees Diversion Dam fish ladders, a flow barrier wall on left bank dam to eliminate misdirecting attraction flows that occur, a low fish passage structures on three summer dam/low flow crossin that exist in the lower river. Trevor Kennedy, Fishery Foundatio of California. Implementation; project completed. No habitats. small dams, a box culvert, and a fish ladder	
17	Delta	SR			17 A. Status of a program to address the inadequate instream flows for steelhead and Chinook salmon on the 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	 Develop a model that will be used to simulate the hydrological effect of historic and projected land use/land cover changes and surface at groundwater management methods. Jeff Mount, UC Davis. Research and Planning; The project is wrapping up. The final reports are being finalized and should be available soon. Research and modeling efforts from this project could contribut to future evaluation and improvements to riparian habitats (12 and 14), to instream flows (17), to fish passage and reduction or predation (23, and to reduce fine sediment loading (29). 	
	Delta	SR			17 A. Status of a program to address the inadequate instream flows for steelhead and Chinook salmon on the Cosumnes River	AFRP-2000-21						Fishery Foundation of California	Trevor Kennedy		Improve fish passage on the Cosumnes River	Objective: Improve passage for adult Chinook salmon and steelhead access 7.2 miles of suitable spawning habitat upstream of Granlees Diversion Dam by 1) constructing new fish ladder at Granlees Dam and 2) improving hydraulic conditions at three sites downstream (a flow barrier wall on Granlees dam to eliminate misdirecting attraction flows that occur at low/mid rainge flows, and two low flow fish passag structures on the lower river). <i>Project design, environmental</i> <i>documentation and permitting have been completed using part</i> <i>of CALFED grant. AFRP dollars were leveraged with Four Pump</i> <i>dollars</i> (\$97,756) to fund construction. AFRP funds have been obligated and project is underway.	

17	11	11	MS Number
Delta	Delta	Delta	REGION
SR	SR	SR	Project Type
			Milestone
			ERP Targets taken from ERPP Vol 2
17 C. Status of a program to address the inadequate instream flows for steelhead and Chinook salmon on the Calaveras River	17 B. Status of a program to address the inadequate instream flows for steelhead and Chinook salmon on the Mokelumne River	17 B. Status of a program to address the inadequate instream flows for steelhead and Chinook salmon on the Mokelumne River	MS Components or Questions for field personnel
AFRP-2001-07	WSP-01-FP-054	ERP-99-N06	ERP PROJECT NUMBERS
Oct-01	Jun-01	Jan-00	CONT START DATE
Jun-06	Jun-05	Jan-03	RACT END DATE
0	282,500	1,546,016	CALFED Award
314,704	115,000	none	Cost Share
	397,500	1,546,016	Total Project Cost
Fishery Foundation of California	San Joaquin Co. Resource Conservation District	UC Davis	Applicant
Trevor Kennedy	John B. Meek	Jeff Mount	Principal Investigator
			Quantifiable Units
Lower Calavers River salmonid life- history limiting factor analysis	Murphy Creek Restoration Project	Linked Hydrogeomorphic-Ecosystem Models to Support Adaptive Management: Cosumnes-Mokelumne Paired Basin Project	Project Name
Intial phase of this AFRP funded project provided an evaluation of salmonid habitat, population density, distribution and life-history. The second phase is yet to be funded and will focus on minimum flow requirements for Chinook salmon and steelhead and assessing estimates of spawning and rearing carrying capacity for salmonids.	Project will restore historical salmon and steelhead spawning habitat with associated improvements to other species, will increase water flows and improve water quality in the Mokelumne River Watershed.	Develop a model that will be used to simulate the hydrological effects of historic and projected land use/land cover changes and surface and groundwater management methods. Jeff Mount, UC Davis. Research and Planning; The project is wrapping up. The final reports are being finalized and should be available soon. Research and modeling efforts from this project could contribute to future evaluation and improvements to riparian habitats (12 and 14), to instream flows (17), to fish passage and reduction of predation (23, and to reduce fine sediment loading (29).	Comments

					MUL	TI SPECIES	S CON	SERVA	TION S	TRATE	GY MIL	ESTONE 1	8 ROLLE) UP (SUMMARY		
N d s ti	IILES nimpe owns ceelhe ibutai	TON eded rrean ad o ies.	IE 18 Provide upstream and n passage for salmon an on Eastside Delta	t		PROJECTS REVIEWED - ERP-98-N02, ERP-01-N57, ERP-01-N59, AFRP-2000-21, AFRP(DCN 11332-3-J009)		SUMM. identificat unimpede Delta tribu fish passa on the Ca an interim fish scree evaluatior fish passa project de	ARY A la ion and poter ad upstream a straries. One age at 29 uns laveras River solution to p n, and life his ns to better m age issues at als with the is	andscape lev ntial for dam and downstre ERP contrac iccreened dive r. Retrofitting passage of ar story) are bei nanage the C Woodbridge ssue on the l	el project fun removal and eam passage t deals with t ersions betwe the Bellota \ nadromous fii ng complete alaveras Riv Dam on the Cosumnes R	ded by the ERP de could, therefore, h for salmon and ste the feasibility, plann een Bellota Weir an Weir fish ladder is e sh while other proje d to provide compre er. Another ERP c Mokelumne River a iver.	als with elp to provide welhead on Eastside ing, and design for d New Hogan Dam wepected to provide ccts (fish passage, ehensive ontract deals with and an AFRP			AGENCY NOTES	NOTES CONT'D
			MULTI SPEC	CIES CONSEF	RVATION STRATE	GY MILEST	TONE 1	18 E\	/ALUAT	TON OF	INDIVI	IDUAL PRC	JECTS RE	/IEWE	ED TO FORMULATE TH	IE ROLLED UP SUMMA	ARY
	MS Number	REGION	Joject Type Milestone	ERP Targets taker 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	Comme	onts
	18	Delta	Provide unimpeded upstream and downstream passage fo salmon and steelhead on Eastside Delta tributaries.	1	18 A. Number of additional miles of passage opened to salmon and steelhead on the Cosumnes River												
	18	Delta	ж		18 B. Number of passage impediments improved or removed for salmon and steelhead on the Cosumnes River	ERP-98-N02	Oct-98	Mar-00	49,000	71,000	120,000	Institute for Fisheries Resources (IFR)	Dr. Guy D. Phillips		Expanding California Salmon Habitat to Alter Dams and Diversions	The project has five basic features: 1) financing of the opportunity for acquisis from willing sellers, (2) identify cand develop a template for analysis and re public and agencies for all potential si mechanism to acquire dams from v community and peer review workshop all EMZs. <i>William F. "Zeke" Gra</i> <i>Resources. F.</i>	document the extent, timing, and tion/modification of private dams didate Central Valley sites, (3) solution of issues for use by the ites, (4) develop a private sector willing sellers, and (5) conduct is. Contributes to fish passage in ider, Institute for Fisheries Planning
	18	Delta	<u>د.</u> در		18 B. Number of passage impediments improved or removed for salmon and steelhead on the Cosumnes River	AFRP-2000-21	Oct-00			94,024	184,000	Fisheries Foundation of California	Trevor Kennedy		Improve fish passage on the Cosumnes River	Objective: Improve passage for adult (access 7.2 miles of suitable spawnin Diversion Dam by 1) constructing ne and 2) improving hydraulic condition flow barrier wall on Granlees dam to flows that occur at low/mid range flow structures on the lower river). Pro- documentation and permitting hav of CALFED grant. AFRP dollars Pumps dollars (\$97,756) to fund co been obligated and construction h additional passage problems st	chinook salmon and steelhead to g habitat upstream of Granlees w fish ladder at Granlees Dam, s at three sites downstream (a eliminate misdirecting attraction 's, and two low flow fish passage ject design, environmental re been completed using part will be combined with Four onstruction. AFRP funds have as been completed. However, till exist at other locations.
	18	Delta	ĸ		18 C. Number of additional miles of passage opened to salmon and steelhead on the Mokelumne River												

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5		e					CONT	RACT						<u>e</u>		
nbe	~	Ā												liab		
un y	ō	ect			MS Components or						Total			s		
IS I	ы	ē		ERP Targets taken	Questions for field	ERP PROJECT	START	END	CALFED		Project	A	Principal	ua	Due to at Manua	0to
2	Ω.	₽.	Milestone	from ERPP Vol 2	personnel	NUMBERS	DATE	DATE	Award	Cost Share	Cost	Applicant	Investigator	05	Project Name	Comments
					18 D. Number of passage										Dan Phase I (Woodbridge Screen)	unstream passage of returning adults and reduce entrainment of out
					removed for salmon and										Permitting and Design	migrating fish. The project will provide improved passage around
					steelhead on the Mokelumne										r enniting and beolgn	Woodbridge Dam and thus increase the use of upstream habitat on
					River											the Mokelumne River. Designs for Woodbridge Dam rebuild and fish
																bypass discharge are complete. Woodbridge Irrigation District is
																funding the construction phase of the Dam and Fish Bypass
	æ															Discharge. Planning complete. Anders Christensen, Woodbridge
œ	belt	щ				EDD 08 B11	lun 08	Oct 01	1 575 000	130.000	1 705 000	Woodbridge	Christensen			irrigation District -
-	-	0)			18 D. Number of passage	LIKE-90-DTT	Juli-90	000	1,575,000	130,000	1,703,000	Ingation District	Chilistensen		Expanding California Salmon Habitat	The project has five basic features: 1) document the extent, timing, and
					impediments improved or										to Alter Dams and Diversions	financing of the opportunity for acquisition/modification of private dams
					removed for salmon and											from willing sellers, (2) identify candidate Central Valley sites, (3)
					steelhead on the Mokelumne											develop a template for analysis and resolution of issues for use by the
					River											public and agencies for all potential sites, (4) develop a private sector
																mechanism to acquire dams from willing sellers, and (5) conduct
												Institute for				all FM7s William F. "Zeke" Grader. Institute for Fisheries
	elta	~										Fisheries				Resources. Planning
18	ŏ	s				ERP-98-N02	Oct-98	Mar-00	49,000	71,000	120,000	Resources (IFR)	Dr. Guy D. Phillips			
					18 D. Number of passage										Lower Mokelumne River Restoration	Planning and design phase for a project that would screen the
					removed for salmon and										Flogram-Flase 2	550 agricultural diversions for 412 growers Planning complete
					steelhead on the Mokelumne											needs funding for construction. Anders Christensen,
~	elta	~			River							Woodbridge	Anders			Woodbridge Irrigation District -
18	ă	ŝ				ERP-01-N57	Feb-01	Jan-02	680,000	none	680,000	Irrigation District	Christensen			
					The second secon										Stockton East water and Calaveras	Diversion site-specific analyses of alternative means of reducing
					salmon and steelhead on the										Facilities	relative to diversion size and operation ratio of river flow to diversion
					Calaveras River											rate during operation, diversion use, proximity to rearing and spawning
																habitat and costs of alternative means of reducing potential
																entrainment. Kevin Kauffman.Planning. Project not completed:
	lta											Stockton East				Amendment 2 weeks ago to include fish ladder.
18	De	SR				ERP-01-N59	Aug-02	Jan-05	670,000	none	670,000	Water District	Kevin Kauffman			
					18 F. Number of passage										Expanding California Salmon Habitat	The project has five basic features: 1) document the extent, timing, and
					impediments improved or										to Alter Dams and Diversions	financing of the opportunity for acquisition/modification of private dams
					steelbead on the Calaveras											develop a template for analysis and resolution of issues for use by the
					River											public and agencies for all potential sites. (4) develop a private sector
																mechanism to acquire dams from willing sellers, and (5) conduct
																community and peer review workshops. Contributes to fish passage in
												Institute for				all EMZs. William F. "Zeke" Grader, Institute for Fisheries
	alta	~										Fisheries				Resources. Planning
18	Ď	ŝ				ERP-98-N02	Oct-98	Mar-00	49,000	71,000	120,000	Resources (IFR)	Dr. Guy D. Phillips			
					18 F. Number of passage										Stockton East Water and Calaveras	Diversion site-specific analyses of alternative means of reducing
					removed for salmon and										Facilities	relative to diversion size and operation ratio of river flow to diversion
					steelhead on the Calaveras										i donuco	rate during operation, diversion use. proximity to rearing and spawning
					River											habitat and costs of alternative means of reducing potential
																entrainment. Kevin Kauffman. Planning. Project not completed:
																Amendment 2 weeks ago to include fish ladder.
	_															
_	elta	~										Stockton East				
15	ó	Ś			19 E. Number of second	ERP-01-N59	Aug-02	Jan-05	670,000	none	670,000	Water District	Kevin Kauffman		Drojoot to rotrofit Dellate Wais Fish	This project was funded by the AFDD and the National Fish
					impediments improved or										ladder in the Calaveras River	This project was funded by the AFKP and the National FISh Passage Program and it is expected to provide an interim
					removed for salmon and											solution to pasage of anadromous fish at Bellota Weir while other
					steelhead on the Calaveras											projects (fish passage, fish screen, and life history) are being
					River											completed to provide comprehansive evaluations to better
																manage the Calaveras River. Gonzalo Castillo.
	_											Fisheries				
_	elta	e c				AFRP(DCN				00.007	00 00 7	Foundation of				
16	ŏ	ŝ		1		11332-3-J009)	Oct-03	Sep-04	0	99,937	99,937	California	Trevor Kennedy			

					MULT	I SPECIES	CONS	BERVA	TION ST	RATEC	GY MILE	STONE 1	19 ROLLE	ED UF	P SUMMARY		
MI de a t rec	LEST velopi lack a luctio	ONE ment and c n pro	19 Assist in the and implementation of lapper rail impact gram.			PROJECTS REVIEWED -		SUMMA developme program.	ARY No c	ontracts have	re been award	led that will ass	ist in the ct reduction			AGENCY NOTES	NOTES CONT'D
			MULTI SPECIE	ES CONSER	VATION STRATEG	Y MILEST	ONE 1	9 EV	ALUATIO	ON OF	INDIVIE	UAL PRO	DJECTS RE	EVIEV	VED TO FORMULATE	THE ROLLED UP SUM	<i>I</i> ARY
MS Number	REGION	Project Type	Milestone Assist in the development and	ERE Targets taken from PREP Volt 2	MS Components or Questions for field personnel 19 A. Status of the Black Rail	ERE PROJECT NUMBERS	CONT START DATE	END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comm	ents
19 19	Delta Delta	SR SR	mplementation of a black and clapper rail impact reduction program.		impact reduction program 19 B. Status of the Clapper Rail impact reduction program												

Γ					MULTI	SPECIES	CONSE	ERVAT	ION ST	RATEG	GY MILE	ESTONE 2	0 ROLLE	ED UF	P SUMMARY		
N in re n w	ILES ⁻ plem duce ative a ater.	ONE entat or eli quat	E 20 Develop and begin ion of a program to minate the influx of non- ic species in ship ballast			PROJECTS REVIEWED - ERP-96-M15, ERP-97-C07, ERP-99-F06, ERP-99-F06, ERP-00-F10, ERP-02D-P56		SUMMA development of non-nati hence the the collecti formation a eradication strategies Outreach e characteris support es milestone	ARY Mar ent and imple ve aquatic s Delta. Thes on of data to and support of NIS, the and short-te effort, and a pecially of o has been str	ny contracts ementation o pecies in shi e contracts p o reduce the of an NIS Ac preparation rm guides fo project to de project to de st water arriv perational co ongly addres	have been a f a program p ballast wa provide for p introduction tvisory Cource of 5 reports r local eradit termine the imponents v ssed.	awarded to addre to reduce or elim ter in the SF Bay ublic education a of NIS from balla icil to promote, p that are both lon cation, a West C biological, physic F Bay - Delta Est vill be necessary,	ss the innate the influx Regions and ind awareness, ast water, the revent and guide g-range past Ballast cal, and chemical uary. Continued but this			AGENCY NOTES	NOTES CONT'D
			MULTI SPECIES	S CONSERV	ATION STRATEG	Y MILESTO	ONE 20	EVA	LUATIO	ON OF	INDIVI	DUAL PRO	JECTS RE	EVIEV	VED TO FORMULATE T	HE ROLLED UP SUMM	IARY
	MS Number	Project Tune	Milestone	ERP Targets taken	MS Components or Questions for field personnel	ERP PROJECT	CON1 START	END	CALFED	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Jnits	Project Name	Comme	nts
	20		Develop and begin implementation of a program to reduce or eliminate the influx of non-native aquatic species in ship ballast water.		20 A. Status of the program to reduce or eliminate the influx of non-native aquatic species in ship ballast water	ERP-97-C07	Jul-98	Aug-00	222,830		222,830	UC Sea Grant Extension Program	Jodi Cassell		Preventing Exotic Introductions from Ballast Water	The goals of this project are to 1) to ballast management issues for the agencies, and the general public; 2) t about ballast management practices a communication and cooperation bet researches; and 3) to facilitate industry development of ballast water manage which provide an alternative to o components of this project are: for representing various involved parties; ANS publications; development ann practices; newsletter initiation; website and the creation of presentations and Project completed. Created a pos second year funding. (Phase I, sec Kim Webb, U	provide education on ANS and maritime industry, resource o educate the maritime industry nd technologies, and to facilitate ween industry, regulators, and v interest and participation in the ment techniques or technologies pen ballast exchange. Six mation of an advisory group development and distribution of d hosting of forums on ballast development and maintenance; d participation in other forums. ter and brochure. Moving to cond phase is ERP-02D-P56) ISFWS
	20				20 A. Status of the program to reduce or eliminate the influx of non-native aquatic species in ship ballast water	ERP-96-M15	May-97	Feb-99	197,000	75,000	272,000	San Francisco Estuary Institute	Andrew Cohen		Invasion of the Bay-Delta Estuary by Introduced Species	The project consists of the preparatio make a reasonable start on address research program on nonindigenous s the reports are strategic in nature, i development of a longer-term, compre program. Others are more specific developing in the short-term the critica policy decisions or on-the-ground cont Project con	n of five reports which together sing the overall monitoring and species in the Estuary. Some of aking initial steps toward the nensive monitoring and research and closely focused, aimed at I knowledge or tools needed for rol efforts. <i>Kim Webb, USFWS.</i> <i>pplete.</i>
	00		5		20 A. Status of the program to reduce or eliminate the influx of non-native aquatic species in ship ballast water	ERP-02D-P56	Oct-02	Sep-05	478.395	166.952	645.347	University of California Sea Grant Extension program	Jodi Cassell		West Coast Ballast Outreach Project	The purpose of this project is to experiments to address some of the f underlying the river restoration strateg removal, and channel-floodplain re restoration efforts. <i>Kim Webb, USF</i> (<i>Phase II, phase one</i>)	conduct physical modeling undamental scientific questions ies of gravel augmentation, dam construction. Contributes to <i>WS. Project not completed</i> <i>is ERP-97-C07).</i>

20	20	20	MS Number
Delta	Delta	Delta	REGION
	SR	SR	Project Type
	5	5	Milestone
			ERP Targets taken from ERPP Vol 2
20 A. Status of the program to reduce or eliminate the influx of non-native aquatic species in ship ballast water	20 A. Status of the program to reduce or eliminate the influx of non-native aquatic species in ship ballast water	20 A. Status of the program to reduce or eliminate the influx of non-native aquatic species in ship ballast water	MS Components or Questions for field personnel
ERP-00-F10	ERP-99-F06	ERP-99-F05	ERP PROJECT NUMBERS
Jun-00	May-00		CONT START DATE
Oct-03	May-03		END DATE
375.877	105,466	50,000	CALFED Award
221,000	none	none	Cost Share
596.877	105,466	50,000	Total Project Cost
San Francisco Estuary Institute	University of California, Davis	U.S. Fish and Wildlife Service	Applicant
Wim Kimmerer	Dr. Edwin D Grosholz	Kim Webb	Principal Investigator
			Quantifiable Units
Determining the Biological, Physical, and Chemical Characteristics of Ballast Water Arriving in the SF Bay Delta Estuary	Reducing the Risk of Importation and Distribution of non-native Invasive Species Through Out Reach and Education	Nonnative Invasive Species Advisory Council	Project Name
This project was put into agreement with Wim Kimmerer at San Francisco State University in the amount of \$375,877 after the original proposal was approved. The project will acquire and analyze data on shipping patterns, and sample and analyze biota and the chemical and physical parameters of ballast water arriving in the Bay-Delta system. Although this is considered a Bay Region project, it addresses a Delta Region milestone for ballast water. Project 80% complete. Erin Williams, USFWS.	Goal is to develop a series of directed educational and activities (workshops, publications, videos, public service announcements, NIS website) that will bring together experts in NIS biology with members and representatives of a wide range of industries that may potentially be involved in the importation, sales or distribution of NIS. Addresses invasive non-native plants throughout the Bay-Delta and the Sacramento-San Joaquin watersheds. <i>Kim Webb, USFWS.</i> <i>Implementation; project completed.</i>	Addresses invasive non-native plants throughout the Bay-Delta and the Sacramento-San Joaquin watersheds. Primary Objectives: Develop a NIS Advisory Council; Identify elements of the Major Issues the council will address to improve the efforts to prevent, control and eradicate NIS; Develop/provide pertinent NIS information to CALFED management /CARP; etc <i>Kim Webb, USFWS. Project</i> ongoing/renewed. <i>NIS Advisory Council also provides oversight</i> for NIS activities related to ballast water discharges.	Comments

					MULT	I SPECIES	CONS	ERVA	TION ST	RATEG	GY MILE	ESTONE 2	21 Rolle	D UP	SUMMARY		
MII ins at I Ch Riv	EST allati Bellot erryla er an	ONE on o a We nd E d pro	21 Complete f fish passage facilities eir, Clements Dam, and Dam on the Calaveras ovide passage flows.			PROJECTS REVIEWED - ERP-01-N59, AFRP(DCN 11332-3-J009)		SUMMA design for Hogan Da Retrofitting to passage and life his better man passage is and provid	ARY Con screening 29 im on the Cala g the Bellota V e of anadrom story) are bein nage the Cala ssues at Clen de for fish pas	tracts were a diversion st averas River Weir fish lad ous fish whil g complete veras River. tents Dam a sage flows a	awarded to p rructures tha r. der is expec e other proje d to provide . Still neede nd Cherryla at all location	vovide feasibility t exist between E ted to provide an ects (fish passag comprehensive e d are projects to nd Dam on the C is.	studies and Bellota and New interim solution e, fish screen, evaluations to address fish alaveras River			AGENCY NOTES	NOTES CONT'D
		e					ONE 21	I EV/								HE ROLLED UP SUM	MARY
MS Number	REGION	Project Typ	Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT	START	END	CALFED	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comr	nents
-	lelta	ж _	Complete installation of fish passage facilities at Bellota Weir, Clements Dam, and Cherryland Dam on the Calaveras River and provide passage flows.		21 A. Status of the installation of fish passage facilities at Bellota Weir		Aug 02		670.000		670.000	Stockton East			Stockton East Water and Calaveras County Water Districts Fish Screen Facilities	Diversion site-specific analyses of entrainment will be evaluated. Da relative to diversion, size and opera rate during operation, diversion use habitat and costs of alternative entrainment. Kevin Kauffman. Pla Amendment 2 weeks age	of alternative means of reducing ta will be collected and analyzed tion, ratio of river flow to diversion proximity to rearing and spawning means of reducing potential anning. Project not completed: to to include fish ladder.
-	belta	ж о			21 B. Status of the implementation of adequate passage flows at Bellota Weir	ERP-01-N39	Aug-02	Jan-05	670,000	none	670,000	Stockton East			Stockton East Water and Calaveras County Water Districts Fish Screen Facilities	Diversion site-specific analyses of entrainment will be evaluated. Da relative to diversion, size and opera rate during operation, diversion use habitat and costs of alternative entrainment. <i>Kevin Kauffman. Pl</i> <i>Amendment 2 weeks age</i>	of alternative means of reducing ta will be collected and analyzed tion, ratio of river flow to diversion proximity to rearing and spawning e means of reducing potential anning. Project not completed: to to include fish ladder.
2		0			21 B. Status of the implementation of adequate passage flows at Bellota Weir	AFRP(DCN 11332-3-J009)	Oct-03	Sep-04	0	99.937	99.937	Fisheries Foundation of California	Trevor Kennedy		Project to retrofit Bellota Weir Fish ladder in the Calaveras River	This project was funded by th Passage Program and it is ex solution to passage of anadron other projects (fish passage, fi being completed to provide com manage the Calaveras F	e AFRP and the National Fish pected to provide an interim nous fish at Bellota Weir while sh screen, and life history) are orchensive evaluations to better tiver. Gonzalo Castillo.
21	Delta	SR			21 C. Status of the installation of fish passage facilities at Clements Dam.	11002-0-0009)	001-00		0	00,001	00,001						
2	Delta	SR			21 D. Status of the implementation of adequate passage flows at Clements Dam												
21	Delta	SR			21 E. Status of the installation of fish passage facilities at <u>Cherryland Dam</u>												
21	Delta	SR			2 I F. Status of the implementation of adequate passage flows Cherryland Dam												

					MUL	TI SPECIE	S CON	SERVA	TION ST	FRATE	GY MILES	STONE 22	ROLLED	UP S	SUMMARY		
MIL impl pro <u>c</u> nativ one	ESTC emen ram t re pla EMU	DNE tatic o re- nt al in th	22 Develop and begin n of a demonstration duce invasive non- bundance within at least te Delta.			PROJECTS REVIEWED - ERP-98-C17, ERP-99- C01/C02, ERP-99- F06, ERP-99- F06, ERP-99- F08, ERP-99- F10, ERP-99- N03, ERP-99- N11, ERP-00- F11, ERP-02- P08, ERP-02- P09, ERP-02- P21, ERP-02- P37		SUMM/ San Franc provided co Other con control a v loosestrife education surroundir of levee or subset of o	ARY Some bisco Bay also a continued supp tracts support of variety of NIS s , shallow wate and identificati g NIS plants. n Georgiana SI contracts to res	e contracts th apply to the I ort for the No comprehensis pecies in the r aquatic NIS ion videos ar One contrac lough. Other store Delta hi	at deal with nor Delta, like the tw onnative Invasiv ve efforts to ma Delta; <i>Lepidiui</i> species. Still o ad guides to helj t addressed era contracts contr abitats.	In-native invasive vo contracts that re Species Advis p occurrences o <i>m latifolium, Arun</i> ther contracts pr p educate the pu idication of NIS p rol or eradicate N	species in the initiated and ory Council. f, eradicate, or ndo, purple ovide for iblic on the issues plants on 7 miles IIS plants as a			AGENCY NOTES	NOTES CONT'D
		T	MULTI SPECI	ES CONSEF	RVATION STRATE	GY MILES	TONE 2	22 E\	/ALUATI	ON OF	INDIVIDU	JAL PRO	JECTS REV	IEWE	ED TO FORMULATE TH	E ROLLED UP SUMMA	RY
MS Number	REGION	Project Type	Milestone	ERP Targets taker from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT	CON START	END DATE	CALFED	Cost Share	Total Project	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comme	ints
1	Delta	R.	Develop and begin implementation of a demonstration program to reduce invasive non-native plant abundance within at least one EMU in the Delta.		22 A. Status of the demonstration program to reduce invasive non-native plant abundance in North Delta	ERP.08.017	Dec-98	Nov-01	24 000		24.000	Department of Water	Curt Schmutte		Assist in Developing Appraisal & Planning with TNC for the McCormack- Williamson Property	Purpose of the project is to provide CALFED CAT III project 97-N14, acc McCormack Williamson Tract. The portion of 97-N14 was later dropper contracts ERP-99-F03, ERP-99-04, E P25. Project o	additional services & support juisition & initial site planning for McCormack Williamson Tract J and assigned to the following RP-00-07, ERP-00-08, ERP-02- ompleted.
22	Delta	SR			22 A. Status of the demonstration program to reduce invasive non-native plant abundance in North Delta	ERP-99- C01/C02	none	Mar-04	1,007,800	none	1,063,600	The Nature Conservancy	Michael Eaton		Lower Cosumnes-Mokelumne Rivers Feasibility Study	Feasibility study of ecosystem resto those with flood hazard reduction ber Mokelumne River. Supports Cosum Acquisition and restoration projects v benefits as already documented in ot ERP-99-F04, ERP-99-F03, ERP-00-0 99-F03, ERP-02-P25). Mike Eaton, recently shifted to the Authority wh scope for the project with the proj Sac County, an	ration opportunities (particularly efits) on the Cosumnes river and nes River and Mokelumne River which have numerous ecosystem ner on going contracts. (Also see 7, ERP-00-08, ERP-99-F04, ERF TNC. Planning; This grant was sere they are working on a new ect proponents (TNC, SAFCA, d EBMUD).
	elta	~			22 A. Status of the demonstration program to reduce invasive non-native plant abundance in North Delta							The Nature			McCormick Williamson Tract's Acquisition	Also see ERP-99-F03, ERP-00-07, E Whitener, TNC. Acquisition; The Nature Conservancy. They are sti long term management of the proj eventually contribute to the milesi habitats and operation of the proj due to the North Delta Improvem property is being considered und effort so further implementation is is also the need to do additional stability and habitat values before to the interior of the property su levee	RP-00-08, ERP-02-P25. Keith property was acquired by the Il working on planning for the roperty. The project could tones identified but the future berty is uncertain at this time ents planning process. The der a broader, multi-program uncertain at this time. There levee resloping to improve other modifications are made ch as breeching the exterior s.
22 22	Delta De	SR SR			22 A. Status of the demonstration program to reduce invasive non-native plant abundance in North Delta	ERP-99-F04 ERP-02-P09	Jan-00 Oct-03	Jul-02 Oct-06	223.050	none	223.050	Conservancy Environmental Science Associates	Michael Eaton		Distribution and Ecology of Lepidium latifolium in Bay-Delta Wetlands	Creates map of Lepidium latifoliu Monitoring. Project is	im in the Bay-Delta Region. s just starting up.

22		22	22	22	22	22	MS Number
Delta		Delta	Delta	Delta	Delta	Delta	REGION
SR		SR	SR	SR	sr	SR	Project Type
							Milestone
							ERP Targets taken from ERPP Vol 2
	22 A. Status of the demonstration program to reduce invasive non-native plant abundance in North Delta	22 A. Status of the demonstration program to reduce invasive non-native plant abundance in North Delta	22 A. Status of the demonstration program to reduce invasive non-native plant abundance in North Delta	22 A. Status of the demonstration program to reduce invasive non-native plant abundance in North Delta	22 A. Status of the demonstration program to reduce invasive non-native plant abundance in North Delta	22 A. Status of the demonstration program to reduce invasive non-native plant abundance in North Delta	MS Components or Questions for field personnel
ERP-99-N11		ERP-99-F08	ERP-99-F05	ERP-99-F06	ERP-00-F11	ERP-02-P37	ERP PROJECT
Oct-99		Jan-00		May-00	Mar-01	Jul-03	CONT START DATE
Dec-03		Sep-02		Mav-03	Mar-06	Jun-05	END
189,338.00		221,306.54	50,000	105,466	1,063,600	156,951	CALFED Award
0		none	none	none	None	12,000	Cost Share
189,338.00		221,306.54	50,000	105,466	1,063,600	168,951	Total Project Cost
California Coastal Conservancy		California Department of Food and Agriculture	U.S. Fish and Wildlife Service	University of California, Davis	Sonoma Ecology Center	The Regents of University of California	Applicant
Nadine Hitchcock		Nathan Dechoretz	Kim Webb	Dr. Edwin D Grosholz	Richard Dale	Ahmad Hakim- Elahi	Principal Investigator
							Quantifiable Units
	Purple Loosestrife Prevention, Detection & Control Actions for the Sacramento/San Joaquin River Delta System	Purple Loosestrife Prevention, Detection, and Control Actions, for the Sacramento-San Joaquin River Delta System and Associated Hydrological Units	Nonnative Invasive Species Advisory Council	Reducing the Risk of Importation and Distribution of non-native Invasive Species Through Out Reach and Education	Arundo donax Eradication and Coordination	Reducing the introduction and Damage of Aquatic Nonindigenous Species through Outreach and Education Phase II	Project Name
have populations that still require	Addresses invasive non-native plants throughout the Bay-Delta and the Sacramento-San Joaquin watersheds. Goals are: 1) Exhaustive survey of the Sacramento-San Joaquin Delta; 2) Local eradication of loosestrife in the Phase I and II areas; 3) Focused delimitation and survey of all loosestrife infestations in the CALFED focus area; 4) Training of agency personnel, working in the near the Delta, to recognize purple loosestrife and other aquatic NIS; 5) Education of the boating, waterfowl hunting, and similar public citizenry. (Note: Phase 1 is ERP-99-F08). J Robert Leavitt, Ph.D., CDFA Monitoring and Implementation. Project completed. The project surveyed for new populations, monitored existing populations, and treated occurrences with various techniques where possible. Surveyed and treated purple loosestrife at 19 main sub-projects between 6/1/03 and 10/31/03. Of these 19 main sub-projects 8 have populations that have been reduced to manageable levels, and 5	Goal is 1) Exhaustive survey of the Sacramento-San Joaquin Delta; 2) Local eradication of loosestrife in the Phase I and II areas; 3) Focused delimitation and survey of all loosestrife infestations in the CALFED focus area; 4) Training of agency personnel, working ion the near the Delta, to recognize purple loosestrife and other aquatic NIS; 5) Education of the boating, waterfowl hunting, and similar public citizenry. (Note: This is Phase 1; Phase 2 is ERP-99-N11). Robert Leavitt, CDFA. Implementation. Project completed.	Addresses invasive non-native plants throughout the Bay-Delta and the Sacramento-San Joaquin watersheds. Primary Objectives: Develop a NIS Advisory Council; Identify elements of the Major Issues the council will address to improve the efforts to prevent, control and eradicate NIS; Develop/provide pertinent NIS information to CALFED management /CARP; etc <i>Kim Webb, USFWS. Project</i> ongoing/renewed. NIS Advisory Council also provides oversight for NIS activities related to ballast water discharges.	Goal is to develop a series of directed educational and activities (workshops, publications, videos, public service announcements, NIS website) that will bring together experts in NIS biology with members and representatives of a wide range of industries that may potentially be involved in the importation, sales or distribution of NIS. Addresses invasive non-native plants throughout the Bay-Delta and the Sacramento-San Joaquin watersheds. <i>Kim Webb, USFWS.</i> <i>Implementation; project completed.</i>	This project will direct funds to eradication partners in six watersheds (Putah Creek, Big Chico Creek, Sonoma Creek, Walnut Creek, Napa River, and San Francisquito Creek) that are prepared to immediately carry out Arundo eradication (an invasive non-native plant) throughout the Bay-Delta and the Sacramento-San Joaquin watersheds. <i>Kim</i> <i>Webb, USFWS. Implementation; project not completed.</i>	This project will develop BMP manuals and educational posters, videos, website ads and articles. <i>Dr. Edwin D Grosholz. Project is</i> <i>incomplete.</i>	Comments

22	22	22	22	22	MS Number
Delta	Delta	Delta	Delta	Delta	REGION
SR	SR	SR	sr	SR	Project Type
					Milestone
					ERP Targets taken from ERPP Vol 2
22 B. Status of the demonstration program to reduce invasive non-native plant abundance in East Delta	22 B. Status of the demonstration program to reduce invasive non-native plant abundance in East Delta	22 B. Status of the demonstration program to reduce invasive non-native plant abundance in East Delta	22 A. Status of the demonstration program to reduce invasive non-native plant abundance in North Delta	22 A. Status of the demonstration program to reduce invasive non-native plant abundance in North Delta	MS Components or Questions for field personnel
ERP-99-F08	ERP-99-N11	ERP-99-F10	ERP-02-P21	ERP-99-F10	ERP PROJECT NUMBERS
Jan-00	Oct-99	Mar-01	Jul-03	Mar-01	CONT START DATE
Sep-02	Dec-03	Mar-05	Jun-06	Mar-05	RACT END DATE
221,306.54	189,338.00	76,725.00	246.370	76,725.00	CALFED Award
none	0	0		0	Cost Share
221,306.54	189,338.00	76,725.00	246,370	76,725.00	Total Project Cost
California Department of Food and Agriculture	California Coastal Conservancy	San Francisco Estuary Institute	Solano Land Trust	San Francisco Estuary Institute	Applicant
Nathan Dechoretz	Nadine Hitchcock	Joshua N. Collins, Ph.D.	Julian Meisler	Joshua N. Collins, Ph.D	Principal Investigator
					Quantifiable Units
Purple Loosestrife Prevention, Detection, and Control Actions, for the Sacramento-San Joaquin River Delta System and Associated Hydrological Units	Purple Loosestrife Prevention, Detection & Control Actions for the Sacramento/San Joaquin River Delta System	Practical Guidebook to Prevent and Control Non-Native Invasive Plants in Shallow Water Habitats of Bay-Delta Ecosystem	Restoring Ecosystem Integrity in the Northwest Delta: PHASE II	Practical Guidebook to Prevent and Control Non-Native Invasive Plants in Shallow Water Habitats of Bay-Delta Ecosystem	Project Name
Goal is 1) Exhaustive survey of the Sacramento-San Joaquin Delta; 2) Local eradication of loosestrife in the Phase I and II areas; 3) Focused delimitation and survey of all loosestrife infestations in the CALFED focus area; 4) Training of agency personnel, working ion the near the Delta, to recognize purple loosestrife and other aquatic NIS; 5) Education of the boating, waterfowl hunting, and similar public citizenry. (Note: This is Phase 1; Phase 2 is ERP-99-N11). <i>Robert Leavitt. Implementation. Project completed.</i>	Addresses invasive non-native plants (Purple loosestrife and other NIS) throughout the Bay-Delta and the Sacramento-San Joaquin watersheds. Goal is 1) Exhaustive survey of the Sacramento-San Joaquin Delta; 2) Local eradication of loosestrife in the Phase I and II areas; 3) Focused delimitation and survey of all loosestrife infestations in the CALFED focus area; 4) Training of agency personnel, working ion the near the Delta, to recognize purple loosestrife and other aquatic NIS; 5) Education of the boating, waterfowl hunting, and similar public citizenry. (Note: This is Phase 2; Phase 1 is ERP-99- F08). J Robert Leavitt, Ph.D., California Department of Food and Agriculture. Monitoring and Implementation, Various wetland habitats through out the CALFED covered region; project completed. The project surveyed for new populations, monitored existing populations, and treated occurrences with various techniques where possible. Surveyed and treated purple loosestrife at 19 main sub-projects between June 1, 2003 and October 31, 2003. Of these 19 main	Project will develop an on-line guidebook which would provide practical information for prevention and control of the highest priority species of nonnative invasive plants in shallow water habitats within the landscape of the Bay-Delta Ecosystem. <i>Kim Webb, USFWS.</i> <i>Project completed.</i>	Restore fresh emergent wetland in North Delta. Julian Meisler, Solano Land Trust. Planning and Implementation. Enhancement/restoration of 1,350 acres of vernal pool grassland on Wilcox Ranch. Project not completed, just begun. Provides planning for restoration and management for habitats in those milestones. This project covers Phase II: Component 3 - Restoration and management of the vernal pools and perennial grasslands on 1,350 acres of the Wilcox Ranch or an equivalent property; and Component 4 - Outreach campaign to educate and build support among local stakeholder agencies, organizations, and landowners. Targeted restoration activities aimed at reducing or eradicating purple star thistle, lippia and medusahead and maintaining or increasing native species. Conduct study to determine whether management treatments at Jepson Prairie are effective in promoting desired species and discouraging non-native species.	Project will develop an on-line guidebook which would provide practical information for prevention and control of the highest priority species of nonnative invasive plants in shallow water habitats within the landscape of the Bay-Delta Ecosystem. <i>Kim Webb, USFWS.</i> <i>Project completed.</i>	Comments

mber	z	t Type			MC Components or		CONT	TRACT						fiable		
MS Nu	REGIO	Project	Milestone	ERP Targets taken from ERPP Vol 2	Questions for field personnel	ERP PROJECT NUMBERS	START DATE	END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quanti Units	Project Name	Comments
	ita				22 B. Status of the demonstration program to reduce invasive non-native plant abundance in East Delta							U.S. Fish and Wildlife			Nonnative Invasive Species Advisory Council	Addresses invasive non-native plants throughout the Bay-Delta and the Sacramento-San Joaquin watersheds. Primary Objectives: Develop a NIS Advisory Council; Identify elements of the Major Issues the council will address to improve the efforts to prevent, control and eradicate NIS; Develop/provide pertinent NIS information to CALFED management /CARP; etc <i>Kim Webb, USFWS. Project</i> ongoing/renewed. NIS Advisory Council also provides oversight for NIS activities related to ballast water discharges.
22	De	SR				ERP-99-F05			50,000	none	50,000	Service	Kim Webb			
2	leita	R			22 B. Status of the demonstration program to reduce invasive non-native plant abundance in East Delta		May 00	Mov 03	10E 466		105 466	University of California,	Dr. Edwin D		Reducing the Risk of Importation and Distribution of non-native Invasive Species Through Out Reach and Education	Goal is to develop a series of directed educational and activities (workshops, publications, videos, public service announcements, NIS website) that will bring together experts in NIS biology with members and representatives of a wide range of industries that may potentially be involved in the importation, sales or distribution of NIS. Addresses invasive non-native plants throughout the Bay-Delta and the Sacramento-San Joaquin watersheds. <i>Kim Webb, USFWS.</i> <i>Implementation; project completed.</i>
~		0			22 B. Status of the	EKF-99-F00	iviay-00	ividy-03	105,400	none	105,400	Davis	GIUSIIUIZ		Arundo donax Fradication and	This project will direct funds to eradication partners in six watersheds
22	Delta	SR			demonstration program to reduce invasive non-native plant abundance in East Delta	ERP-00-F11	Mar-01	Mar-06	1,063,600	None	1,063,600	Sonoma Ecology Center	Richard Dale		Coordination	(Putah Creek, Big Chico Creek, Sonoma Creek, Walnut Creek, Napa River, and San Francisquito Creek) that are prepared to immediately carry out Arundo eradication (an invasive non-native plant) throughout the Bay-Delta and the Sacramento-San Joaquin watersheds. <i>Kim</i> <i>Webb, USFWS. implementation; project not completed.</i>
					22 B. Status of the				,,						Georgiana Slough Habitat	This project will remove exotic vegetation along the berms. Jeff Hart.
5	Delta	SR			demonstration program to reduce invasive non-native plant abundance in East Delta	ERP-99-N03	Nov-99	Mar-03	1,100,000	none	1,100,000	Hart Restoration, Inc.	Jeff Hart			Implementation. Project completed.
					22 B. Status of the										Distribution and Ecology of Lepidium	Creates map of Lepidium latifolium in the Bay-Delta Region.
52	Delta	SR			demonstration program to reduce invasive non-native plant abundance in East Delta	ERP-02-P09	Oct-03	Oct-06	223,050	none	223,050	Environmental Science Associates	Chris Rogers		latifolium in Bay-Delta Wetlands	Monitoring. Project is just starting up.
52	Delta	sR			22 B. Status of the demonstration program to reduce invasive non-native plant abundance in East Delta	FRP-02-P37	Jul-03	Jun-05	156 951	12 000	168 951	The Regents of University of California	Ahmad Hakim- Flahi		Reducing the introduction and Damage of Aquatic Nonindigenous Species through Outreach and Education Phase II	This project will develop BMP manuals and educational posters, videos, website ads and articles. <i>Dr. Edwin D Grosholz. Project is</i> <i>incomplete.</i>
					22 C. Status of the		00.00	0011 00	100,001	12,000	100,001	California	Liain		Distribution and Ecology of Lepidium	Creates map of Lepidium latifolium in the Bay-Delta Region.
22	Delta	SR			demonstration program to reduce invasive non-native plant abundance in South Delta	ERP-02-P09	Oct-03	Oct-06	223,050	none	223,050	Environmental Science Associates	Chris Rogers		latifolium in Bay-Delta Wetlands	Monitoring. Project is just starting up.
22	Delta	SR			22 C. Status of the demonstration program to reduce invasive non-native plant abundance in South Delta	ERP-02-P37	Jul-03	Jun-05	156,951	12,000	168,951	The Regents of University of California	Ahmad Hakim- Elahi		Reducing the introduction and Damage of Aquatic Nonindigenous Species through Outreach and Education Phase II	This project will develop BMP manuals and educational posters, videos, website ads and articles. <i>Dr. Edwin D Grosholz. Project is</i> <i>incomplete.</i>
22	Delta	SR			22 C. Status of the demonstration program to reduce invasive non-native plant abundance in South Delta	ERP-00-F11	Mar-01	Mar-06	1,063,600	None	1,063,600	Sonoma Ecology Center	Richard Dale		Arundo donax Eradication and Coordination	This project will direct funds to eradication partners in six watersheds (Putah Creek, Big Chico Creek, Sonoma Creek, Walnut Creek, Napa River, and San Francisquito Creek) that are prepared to immediately carry out Arundo eradication (an invasive non-native plant) throughout the Bay-Delta and the Sacramento-San Joaquin watersheds. <i>Kim</i> <i>Webb, USFWS. Implementation; project not completed.</i>
2	Delta	ßR			22 C. Status of the demonstration program to reduce invasive non-native plant abundance in South Delta		May-00	May-03	105.466	none	105.466	University of California, Davis	Dr. Edwin D		Reducing the Risk of Importation and Distribution of non-native Invasive Species Through Out Reach and Education	Goal is to develop a series of directed educational and activities (workshops, publications, videos, public service announcements, NIS website) that will bring together experts in NIS biology with members and representatives of a wide range of industries that may potentially be involved in the importation, sales or distribution of NIS. Addresses invasive non-native plants throughout the Bay-Delta and the Sacramento-San Joaquin watersheds. <i>Kim Webb, USFWS.</i> <i>Implementation; project completed.</i>

22	22	22	22	22	MS Number
Delta	Delta	Delta	Delta	Delta	REGION
SR	SR	SR	SR	SR	Project Type
					Milestone
					ERP Targets taken from ERPP Vol 2
22 D. Status of the demonstration program to reduce invasive non-native plant abundance in Central and West Delta	22 C. Status of the demonstration program to reduce invasive non-native plant abundance in South Delta	22 C. Status of the demonstration program to reduce invasive non-native plant abundance in South Delta	22 C. Status of the demonstration program to reduce invasive non-native plant abundance in South Delta	22 C. Status of the demonstration program to reduce invasive non-native plant abundance in South Delta	MS Components or Questions for field personnel
ERP-99-F10	ERP-99-F10	ERP-99-N11	ERP-99-F08	ERP-99-F05	ERP PROJECT NUMBERS
Mar-01	Mar-01	Oct-99	Jan-00		CONT START DATE
Mar-05	Mar-05	Dec-03	Sep-02		RACT END DATE
76,725.00	76,725.00	189.338.00	221,306.54	50,000	CALFED Award
0	0	0	none	none	Cost Share
76,725.00	76,725.00	189.338.00	221,306.54	50,000	Total Project Cost
San Francisco Estuary Institute	San Francisco Estuary Institute	California Coastal Conservancy	California Department of Food and Agriculture	U.S. Fish and Wildlife Service	Applicant
Joshua N. Collins, Ph.D.	Joshua N. Collins, Ph.D.	Nadine Hitchcock	Nathan Dechoretz	Kim Webb	Principal Investigator
					Quantifiable Units
Practical Guidebook to Prevent and Control Non-Native Invasive Plants in Shallow Water Habitats of Bay-Delta Ecosystem	Practical Guidebook to Prevent and Control Non-Native Invasive Plants in Shallow Water Habitats of Bay-Delta Ecosystem	Purple Loosestrife Prevention, Detection & Control Actions for the Sacramento/San Joaquin River Delta System	Purple Loosestrife Prevention, Detection, and Control Actions, for the Sacramento-San Joaquin River Delta System and Associated Hydrological Units	Nonnative Invasive Species Advisory Council	Project Name
Project will develop an on-line guidebook which would provide practical information for prevention and control of the highest priority species of nonnative invasive plants in shallow water habitats within the landscape of the Bay-Delta Ecosystem. <i>Kim Webb, USFWS.</i> <i>Project completed.</i>	Project will develop an on-line guidebook which would provide practical information for prevention and control of the highest priority species of nonnative invasive plants in shallow water habitats within the landscape of the Bay-Delta Ecosystem. <i>Kim Webb, USFWS.</i> <i>Project completed.</i>	Addresses invasive non-native plants (Purple loosestrife and other NIS) throughout the Bay-Delta and the Sacramento-San Joaquin watersheds. Goal is 1) Exhaustive survey of the Sacramento-San Joaquin Delta; 2) Local eradication of loosestrife in the Phase I and II areas; 3) Focused delimitation and survey of all loosestrife infestations in the CALFED focus area; 4) Training of agency personnel, working ion the near the Delta, to recognize purple loosestrife and other aquatic NIS; 5) Education of the boating, waterfowl hunting, and similar public citizenry. (Note: This is Phase 2; Phase 1 is ERP-99-F08). J Robert Leavitt, Ph.D., California Department of Food and Agriculture. Monitoring and Implementation, Various wetland habitats through out the CALFED covered region; project completed. The project surveyed for new populations, monitored existing populations, and treated occurrences with various techniques where possible. Surveyed and treated purple loosestrife at 19 main sub-projects between June 1, 2003 and October 31, 2003. Of these 19 ma	Goal is 1) Exhaustive survey of the Sacramento-San Joaquin Delta; 2) Local eradication of loosestrife in the Phase I and II areas; 3) Focused delimitation and survey of all loosestrife infestations in the CALFED focus area; 4) Training of agency personnel, working ion the near the Delta, to recognize purple loosestrife and other aquatic NIS; 5) Education of the boating, waterfowl hunting, and similar public citizenry. (Note: This is Phase 1; Phase 2 is ERP-99-N11). Robert Leavitt, CDFA. Implementation. Project completed.	Addresses invasive non-native plants throughout the Bay-Delta and the Sacramento-San Joaquin watersheds. Primary Objectives: Develop a NIS Advisory Council; Identify elements of the Major Issues the council will address to improve the efforts to prevent, control and eradicate NIS; Develop/provide pertinent NIS information to CALFED management /CARP; etc <i>Kim Webb, USFWS. Project</i> ongoing/renewed. NIS Advisory Council also provides oversight for NIS activities related to ballast water discharges.	Comments

S Number	EGION	oject Type		ERP Targets taken	MS Components or Questions for field	ERP PROJECT	CONT	END	CALFED		Total Project		Principal	uantifiable its		
SW	RE	Ĕ	Milestone	from ERPP Vol 2	personnel 22 D. Status of the demonstration program to reduce invasive non-native plant abundance in Central and West Delta	NUMBERS	DATE	DATE	Award	Cost Share	Cost	California	Investigator	σъ	Project Name Purple Loosestrife Prevention, Detection & Control Actions for the Sacramento/San Joaquin River Delta System	Comments Addresses invasive non-native plants throughout the Bay-Delta and the Sacramento-San Joaquin Delta; 2) Local eradication of loosestrife; 3) Focused delimitation and survey of all loosestrife infestations in the CALFED focus area; 4) Training of agency personnel to recognize purple loosestrife and other aquatic NIS; 5) Public education. Project completed. J Robert Leavitt, Ph.D., CDFA. Various wetland habitats through out the CALFED covered region. The project surveyed for new populations, monitored existing populations, and treated occurrences with various techniques where possible. Surveyed and treated purple loosestrife at 19 main sub-projects between June 1, 2003 and October 31, 2003. Of these 19 main sub-projects eight have populations that are considered to be very low (few to no visible plants), six have populations that have been reduced to manageable levels, and five have populations that still require substantial control efforts.
22	Delta	R				ERP-99-N11	Oct-99	Dec-03	189,338.00	0	189,338.00	Coastal Conservancy	Nadine Hitchcock			
2	Jelta	ЯК			22 D. Status of the demonstration program to reduce invasive non-native plant abundance in Central and West Delta	EBD-00-E08	Jan_00	Sep.02	221 306 54	1076	221 306 54	California Department of Food and	Nathan		Purple Loosestrife Prevention, Detection, and Control Actions, for the Sacramento-San Joaquin River Delta System and Associated Hydrological Units	Goal is 1) Exhaustive survey of the Sacramento-San Joaquin Delta; 2) Local eradication of loosestrife in the Phase I and II areas; 3) Focused delimitation and survey of all loosestrife infestations in the CALFED focus area; 4) Training of agency personnel, working ion the near the Delta, to recognize purple loosestrife and other aquatic NIS; 5) Education of the boating, waterfowl hunting, and similar public citizenry. (Note: This is Phase 1; Phase 2 is ERP-99-N11). Robert Leavitt, CDFA. Implementation. Project completed.
2	Jelta C	X S			22 D. Status of the demonstration program to reduce invasive non-native plant abundance in Central and West Delta	ERP.00.E05	301-00	36p-02	50.000	0000	50.000	U.S. Fish and Wildlife	Kim Webb		Nonnative Invasive Species Advisory Council	Addresses invasive non-native plants throughout the Bay-Delta and the Sacramento-San Joaquin watersheds. Primary Objectives: Develop a NIS Advisory Council; Identify elements of the Major Issues the council will address to improve the efforts to prevent, control and eradicate NIS; Develop/provide pertinent NIS information to CALFED management /CARP; etc <i>Kim Webb, USFWS. Project</i> ongoing/renewed. NIS Advisory Council also provides oversight for NIS activities related to ballast water discharges.
22	Delta	SR			22 D. Status of the demonstration program to reduce invasive non-native plant abundance in Central and West Delta	ERP-99-F06	Mav-00	Mav-03	105.466	none	105.466	University of California, Davis	Dr. Edwin D Grosholz		Reducing the Risk of Importation and Distribution of non-native Invasive Species Through Out Reach and Education	Goal is to develop a series of directed educational and activities (workshops, publications, videos, public service announcements, NIS website) that will bring together experts in NIS biology with members and representatives of a wide range of industries that may potentially be involved in the importation, sales or distribution of NIS. Addresses invasive non-native plants throughout the Bay-Delta and the Sacramento-San Joaquin watersheds. <i>Kim Webb, USFWS.</i> <i>Implementation; project completed.</i>
22	Delta	SR			22 D. Status of the demonstration program to reduce invasive non-native plant abundance in Central and West Delta	ERP-02D-P58	Jan-04	Mar-05	178,701,00	0.00	178,701.00	UC Davis	Theodore Foin		Invasion dynamics of perennial pepperweed, Lepidium latifolium, and their consequences for protection of natural and restored wetlands in the SF Estuary.	This research will provide a mechanistic understanding of how pepperweed is able to invade a wetland site, and aid in the development of a protocol to control this invasive, and help protect remaining intact systems, provide a means for reducing spread, prevent invasion into restored sites. Specific Geographic scope: Tidal marsh habitat from Petaluma Marsh in western San Pablo Bay Area eastward to decker Island in the Iower Sacramento-San Joaquin Delta. <i>Kim Webb, USFWS. Project not complete.</i>
22	Delta	SR			22 D. Status of the demonstration program to reduce invasive non-native plant abundance in Central and West Delta	ERP-00-F11	Mar-01	Mar-06	1,063,600	None	1,063,600	Sonoma Ecology Center	Richard Dale		Arundo donax Eradication and Coordination	This project will direct funds to eradication partners in six watersheds (Putah Creek, Big Chico Creek, Sonoma Creek, Walnut Creek, Napa River, and San Francisquito Creek) that are prepared to immediately carry out Arundo eradication (an invasive non-native plant) throughout the Bay-Delta and the Sacramento-San Joaquin watersheds. <i>Kim</i> <i>Webb, USFWS. Implementation; project not completed.</i>

22	22	22	MS Number
Delta	Delta	Delta	REGION
SR	SR	SR	Project Type
			Milestone
			ERP Targets taken from ERPP Vol 2
22 D. Status of the demonstration program to reduce invasive non-native plant abundance in Central and West Delta	22 D. Status of the demonstration program to reduce invasive non-native plant abundance in Central and West Delta	22 D. Status of the demonstration program to reduce invasive non-native plant abundance in Central and West Delta	MS Components or Questions for field personnel
ERP-02-P37	ERP-02-P09	ERP-02-P18	ERP PROJECT NUMBERS
Jul-03	Oct-03	Jun-04	CONT START DATE
Jun-05	Oct-06	May-05	END DATE
156,951	223,050	327,937	CALFED Award
12,000	none	none	Cost Share
168,951	223,050	32,937	Total Project Cost
The Regents of University of California	Environmental Science Associates	Portland State University	Applicant
Ahmad Hakim- Elahi	Chris Rogers	Mark Systma	Principal Investigator
			Quantifiable Units
Reducing the introduction and Damage of Aquatic Nonindigenous Species through Outreach and Education Phase II	Distribution and Ecology of Lepidium latifolium in Bay-Delta Wetlands	Life History of Egeria densa in the Delta: Factors Controlling Production and Fragment Viability	Project Name
This project will develop BMP manuals and educational posters, videos, website ads and articles. <i>Dr. Edwin D Grosholz. Project is incomplete.</i>	Creates map of Lepidium latifolium in the Bay-Delta Region. <i>Monitoring. Project is just starting up.</i>	Research into the life history of <i>Egeria densa</i> , which will contribute to the control of this invasive weed in the Delta. The project area is 3,300 acres; does not eradicate any <i>Egeria densa</i> . <i>Kim Webb. Project not completed.</i>	Comments

	MULTI SPECIES CONSERVATION STRATEGY MILESTONE 23 ROLLED UP SUMMARY																
MIL prog redu salr on t incl imp the Wo dive min mig (3) disc	ESTC gram t uce pr nonids he lov udes t roving strear odbrid rsion imize rating mprov harge	DNE : to im edation s belower M he foo the foo	23 Implement a prove fish passage and on on juvenile bw Woodbridge Dam lokelumne River that illowing elements: (1) form and function of annel; (2) rebuilding the am fish passage and ening facilities to is of downstream ion and steelhead; and he fish bypass			PROJECTS REVIEWED - ERP-98-B11, ERP-99-N06		SUMMA design for passage a expected t Woodbridg project to o improvement	ARY One Phase 1 of W nd fish bypas o occur in the ge Irrigation E design hydrog ents to fish pa	contract has /oodbridge E is issues. No e next grant of bistrict built fi geomorphic i assage and r	s been awarde Jam Screen, r o construction cycle. Howev sh bypass dis models could reduction of pr	ed to conduct per econstruction of has occurred in er, cost share fu charge enhance contribute to futu edation.	rmitting and the dam for fish this phase but is nds from ments. One ire evaluation and			AGENCY NOTES	NOTES CONT'D
			MULTI SPECIE	S CONSER	ATION STRATEG	Y MILEST	ONE 23	8 EVA	ALUATIO	ON OF	INDIVID	UAL PRO	JECTS RE	VIEW	ED TO FORMULATE TH	E ROLLED UP SUMMA	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	END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Commer	ts
33	oelta	ŝR	Implement a program to improve fish passage and reduce predation on juvenile salmonids below Woodbridge Dam on the lower Mokelumne River that includes the following elements: (1) improving the form and function of the stream channel; (2) rebuilding the Woodbridge Dam fish passage and diversion screening facilities to minimize losses of downstream migrating salmon and steelhead; and (3) improving the fish bypass discharge.		23 A. Status of the overall program to improve fish passage and reduce predation on juvenile salmonids below Woodbridge Dam on the lower Mokelumne River	EDD-08-811	lun.08	Octo1	1 575 000	130.000	1 705 000	Woodbridge Irrigation District	Anders		Lower Mokelumne River Restoration Plan Phase I (Woodbridge Screen) Permitting and Design	This project is in the planning, permittin upstream passage of returning adults migrating fish. The project will provie Woodbridge Dam and thus increase I the Mokelumne River. Designs for Wo bypass discharge are complete. Wo funding the construction phase of Discharge. <i>Planning complete. And</i> <i>Irrigation Di</i>	g and design phase to increase and reduce entrainment of out le improved passage around he use of upstream habitat on odbridge Dam rebuild and fish odbridge Irrigation District is the Dam and Fish Bypass ars Christensen, Woodbridge strict
3	elta	S S	-		23 A. Status of the overall program to improve fish passage and reduce predation on juvenile salmonids below Woodbridge Dam on the lower Mokelumne River	ERP-98-B11	Jun-98		1,575,000	130,000	1,705,000	District	Christensen		Linked Hydrogeomorphic-Ecosystem Models to Support Adaptive Management: Cosumnes-Mokelumne Paired Basin Project	Develop a model that will be used to s of historic and projected land use/land groundwater management methoc Research and Planning; The proje- reports are being finalized and s Research and modeling efforts from to future evaluation and improvem and 14), to instream flows (17), to fi predation (23, and to reduce fin	mulate the hydrological effects cover changes and surface and s. Jeff Mount, UC Davis. t is wrapping up. The final hould be available soon. this project could contribute ents to riparian habitats (12 sh passage and reduction of e sediment loading (29).
23	Delta	SR			23 B. Status of the sub element of the program to improve fish passage and reduce predation on juvenile salmonids below Woodbridge Dam on the lower Mokelumne River: (1) improving the form and function of the stream channel;	ERP-98-B11	Jan-00	Jan-03	1,546,016	130.000	1,546,016	UC Davis Woodbridge Irrigation District	Anders Christensen		Lower Mokelumne River Restoration Plan Phase I (Woodbridge Screen) Permitting and Design	This project is in the planning, permittin upstream passage of returning adults migrating fish. The project will provio Woodbridge Dam and thus increase I the Mokelumne River. Designs for Wo bypass discharge are complete. Wo funding the construction phase of Discharge. Planning complete. And Irrigation Di	g and design phase to increase and reduce entrainment of out le improved passage around he use of upstream habitat on odbridge Dam rebuild and fish odbridge Irrigation District is the Dam and Fish Bypass <i>rs Christensen, Woodbridge</i> <i>strict</i>

23	23	MS Number
Delta	Delta	REGION
SR	SR	Project Type
		Milestone
		ERP Targets taken from ERPP Vol 2
23 D. Status of the sub element of the program to improve fish passage and reduce predation on juvenile salmonids below Woodbridge Dam on the lower Mokelumne River: (3) improving the fish bypass discharge.	23 C. Status of the sub element of the program to improve fish passage and reduce predation on juvenile salmonids below Woodbridge Dam on the lower Mokelumne River: (2) rebuilding the Woodbridge Dam fish passage and diversion screening facilities to minimize losses of downstream migrating salmon and steelhead;	MS Components or Questions for field personnel
ERP-98-B11	ERP-98-B11	ERP PROJECT NUMBERS
Jun-98	Jun-98	CONT START DATE
Oct-01	Oct-01	END DATE
1,575,000	1,575,000	CALFED Award
130,000	130,000	Cost Share
1,705,000	1,705,000	Total Project Cost
Woodbridge Irrigation District	Woodbridge Irrigation District	Applicant
Anders Christensen	Anders Christensen	Principal Investigator
		Quantifiable Units
Lower Mokelumne River Restoration Plan Phase I (Woodbridge Screen) Permitting and Design	Lower Mokelumne River Restoration Plan Phase I (Woodbridge Screen) Permitting and Design	Project Name
This project is in the planning, permitting and design phase to increase upstream passage of returning adults and reduce entrainment of out migrating fish. The project will provide improved passage around Woodbridge Dam and thus increase the use of upstream habitat on the Mokelumne River. Designs for Woodbridge Dam rebuild and fish bypass discharge are complete. Woodbridge Irrigation District is funding the construction phase of the Dam and Fish Bypass Discharge. <i>Planning complete. Anders Christensen, Woodbridge</i> <i>Irrigation District</i>	This project is in the planning, permitting and design phase to increase upstream passage of returning adults and reduce entrainment of out migrating fish. The project will provide improved passage around Woodbridge Dam and thus increase the use of upstream habitat on the Mokelumne River. Designs for Woodbridge Dam rebuild and fish bypass discharge are complete. Woodbridge Irrigation District is funding the construction phase of the Dam and Fish Bypass Discharge. <i>Planning complete. Anders Christensen, Woodbridge Irrigation District</i>	Comments

	MULTI SPECIES CONSERVATION STRATEGY MILESTONE 24 ROLLED UP SUMMARY																
MILESTONE 24 Consolidate and screen 50 small agricultural diversions in the Delta, prioritized according to size, location, and season of operation.						PROJECTS REVIEWED - ERP-97-M06, ERP-97-M07, ERP-98-B27, ERP-01-N57		SUMMA to consolic contracts of for the imp which had Joaquin R 384; only :	ARY A fe date and scre completed pro- plementation i multiple func (iver. The Del 25 diversions	w contracts we en 50 prioritize oject planning and enhancerr ding sources, s ta has 2258 di are screened	ere awarded t ed, small dive and design fo ent of the Ba creens 250 c versions and in the Delta a	AGENCY NOTES	NOTES CONT'D				
			MULTI SPECIE	ES CONSER	VATION STRATEG	BY MILEST	ONE 24	4 EV	ALUATI	ON OF I	NDIVID	UAL PRO	JECTS RE	VIEW	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	CON1 START DATE	END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Commen	ts
4	lelta I	<u> </u>	Consolidate and screen 50 small agricultural diversions in the Delta, prioritized according to size, location, and season		24 A. How many small agricultural diversion in the Delta have been screened?	EPD 07 M06	lup 00	Sop 01	27.000		27.000	Hastings Island	Hoppy Kuscher II		Hastings Tract Fish Screen Feasibility Study	One diversion. Gilbert Cosio, MBK Planning. Project	Engineers. Two diversions. completed.
4	Delta	8	of operation.		24 A. How many small agricultural diversion in the Delta have been screened?	ERP-97-W00	Sep 01	Jup 03	1 169 875	8 646 525	9,815,400	Banta-Carbona Irrigation	David	diversion	Banta-Carbona Irrigation District Fish Screen Project	Fish screen for the Banta-Carbona Irrigation District 204 cfs of structure, located on the San Joaquin River. Implementa Project completed. They have received other (non-CA grant money to enhance and make the screens more effi- operate.	
4	Delta	8			24 A. How many small agricultural diversion in the Delta have been screened?			Apr 04	62.000	0,010,020	62.000	Hastings Island	Henry Kuecher II	Diversions	Hastings Tract Fish Screen, Phase II	One diversion. Gilbert Cosio, MBK Engineers. Two diver: Planning. Project completed. Planning; Design is done. (permits. Should be done 30-90 days.	
24	Delta	SR			24 A. How many small agricultural diversion in the Delta have been screened?	ERP-01-N57	Feb-01	Jan-02	680,000	none	680,000	Woodbridge Irrigation District	Anders		Lower Mokelumne River Restoration Program-Phase 2	Planning and design phase for a pr Woodbridge Irrigation Canal, a 414 cfs 550 agricultural diversions for 412 gr needs funding for construction Woodbridge Irrigat	oject that would screen the diversion that supplies water to owers. <i>Planning complete</i> <i>1. Anders Christensen,</i> <i>tion District</i>
24	Delta	SR			24 B. What are their sizes?	ERP-97-M06	Jun-00	Sep-01	27,000	none	27,000	Hastings Island	Henry Kuecher II	I	Hastings Tract Fish Screen Feasibility Study	53 cfs. Gilbert Cosio, MBK Enginee Project comp	rs. approx 50 cfs. Planning. leted.
24	Delta	SR			24 B. What are their sizes?	ERP-97-M07	Sep-01	Jun-03	1,168,875	8,646,525	9,815,400	Banta-Carbona Irrigation District	David Weisenberger	204 cfs	Banta-Carbona Irrigation District Fish Screen Project	Fish screen for the Banta-Carbona Irrig structure, located on the San Joaqu Project completed. They have rec grant money to enhance and make to operate	gation District 204 cfs diversion in River. Implementation. eived other (non-CALFED) the screens more efficient to
	slta	~			24 B. What are their sizes?							Hastings Island			Hastings Tract Fish Screen, Phase II	One diversion. Gilbert Cosio, MBK Planning. Project completed. Plann permits. Should be done 30-9 approximately	Engineers. Two diversions. ing; Design is done. Getting 0 days. Diversions are 50 cfs.
24	ŏ	SF			I	ERP-98-B27	Jan-01	Apr-04	62,000	none	62,000	Land Company	Henry Kuecher II	I.			

MS Number	REGION	Project Type	Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel 24 B. What are their sizes?	ERP PROJECT NUMBERS	CON START DATE	END DATE	CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comments Planning and design phase for a project that wor
24	Delta	SR				ERP-01-N57	Feb-01	Jan-02	680,000	none	680,000	Woodbridge Irrigation District	Anders Christensen		Program-Phase 2	Woodbridge Irrigation Canal, a 414 cfs diversion tha 550 agricultural diversions for 412 growers. Plar needs funding for construction. Anders C. Woodbridge Irrigation District
24	Delta	SR			24 C. Where are they located?	ERP-97-M06	Jun-00	Sep-01	27,000	none	27,000	Hastings Island Land Company	Henry Kuecher III		Hastings Tract Fish Screen Feasibility Study	Relocated from Cache Slough to Lindsay Slough. MBK Engineers. Two diversions. Planning. Pro
24	Delta	SR			24 C. Where are they located?	ERP-97-M07	Sep-01	Jun-03	1,168,875	8,646,525	9,815,400	Banta-Carbona Irrigation District	David Weisenberger	1 diversion	Banta-Carbona Irrigation District Fish Screen Project	Fish screen for the Banta-Carbona Irrigation Distric structure, located on the San Joaquin River. Im Project completed. They have received other grant money to enhance and make the screens operate.
4	Delta	ĸ			24 C. Where are they located?		100.01	Apr 04	62.000		62.000	Hastings Island	Honny Kusabar III		Hastings Tract Fish Screen, Phase II	Relocated from Cache Slough to Lindsay Slough. MBK Engineers. Two diversions. Planning. Pr Planning; Design is done. Getting permits. Sh 90 days.
24 2	Delta	SR			24 C. Where are they located?	ERP-98-827	Feb-01	Jan-02	680.000	none	680.000	Woodbridge Irrigation District	Anders Christensen		Lower Mokelumne River Restoration Program-Phase 2	Planning and design phase for a project that we Woodbridge Irrigation Canal, a 414 cfs diversion tha 550 agricultural diversions for 412 growers. Plan needs funding for construction. Anders C Woodbridge Irrigation District
24	Delta	SR			24 D. What is their respective season of operation?	ERP-97-M06	Jun-00	Sep-01	27,000	none	27,000	Hastings Island	Henry Kuecher III		Hastings Tract Fish Screen Feasibility Study	Not sure of pumping season. Gilbert Cosio, M primarily Apr-Oct. Planning. Project co
24	Delta	SR			24 D. What is their respective season of operation?	ERP-98-B27	Jan-01	Apr-04	62.000	none	62.000	Hastings Island	Henry Kuecher III		Hastings Tract Fish Screen, Phase II	Not sure of pumping season. Gilbert Cosio, MBH diversions. Planning. Project completed. Plan done. Getting permits. Should be done 30-90 operation is primarily April-Octob
24	Delta	SR .			24 D. What is their respective season of operation?	ERP-01-N57	Feb-01	Jan-02	680.000	none	680.000	Woodbridge Irrigation District	Anders		Lower Mokelumne River Restoration Program-Phase 2	Planning and design phase for a project that wo Woodbridge Irrigation Canal, a 414 cfs diversion tha 550 agricultural diversions for 412 growers. Plan needs funding for construction. Anders C Woodbridge Irrigation District