

MULTI SPECIES CONSERVATION STRATEGY MILESTONE 1 -- ROLLED UP SUMMARY

MILESTONE 1 -- Develop a methodology for evaluating delta flow and hydrodynamic patterns and begin implementation of an ecologically based plan to restore conditions in the rivers and sloughs of the Delta sufficient to support targets for the restoration of aquatic resources.

PROJECTS REVIEWED -
ERP-96-M10,
ERP-97-B02,
ERP-97-B06,
ERP-99-B13,
ERP-99-N06,
ERP-99-N18,
ERP-01-C05,
ERP-01-C06,
ERP-01-C07,
ERP-01-N01,
ERP-02-C04-D,
ERP-02-C08,
ERP-02-P19,
ERP-02-P22,
ERP-02-P30,
ERP-02-P38

SUMMARY -- Several ERP contracts were awarded to address aspects of this milestone. Some of these contracts develop a methodology for evaluating Delta flow and hydrodynamic patterns and planning for implementation and could be part of an ecologically based plan for restoration. The projects range from focused efforts on a relatively small scale within the watershed such as developing a low flow model for the Yolo Bypass to improve/address flood capacity to a valley wide approach by evaluating historic hydroclimatic conditions. There are contracts that strictly deal with development of a methodology for evaluating Delta flow and hydroclimatic patterns. These disparate efforts at disparate sites in the Delta provide much needed foundational information that could have future application. There have been no contracts focused on a synthesis of information leading to a comprehensive, ecologically based plan that could be implemented to restore conditions in the rivers and sloughs of the Delta sufficient to support targets for the restoration of aquatic resources.

AGENCY NOTES --

NOTES CONT'D --

MULTI SPECIES CONSERVATION STRATEGY MILESTONE 1 -- EVALUATION OF INDIVIDUAL PROJECTS REVIEWED TO FORMULATE THE 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	CONTRACT		CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comments
							START DATE	END DATE								
1	Delta	EP	Develop a methodology for evaluating delta flow and hydrodynamic patterns and begin implementation of an ecologically based plan to restore conditions in the rivers and sloughs of the Delta sufficient to support targets for the restoration of aquatic resources.	Multiple targets for restoration of aquatic resources in the Delta.	1 A. Status of the methodology for evaluating delta flow and hydrodynamic patterns.	ERP-96-M10	Sep-97	Dec-99	475,000		475,000	University of Washington	Charles Simenstad		Applied Research to Predict the Evolution of Restored Diked Wetlands	Contributes to the development of a delta flow and hydrodynamic evaluation methodology that can be appropriately used in the implementation of an ecologically based plan to restore conditions in the rivers and sloughs of the Delta to support targets for restoration of aquatic resources. Project contributes to the overall knowledge of restoration of diked wetlands in the Delta. Research/Monitoring
1	Delta	EP			1 A. Status of the methodology for evaluating delta flow and hydrodynamic patterns.	ERP-97-B02	Mar-98	Jun-04	1,047,010	213,200	1,260,210	USGS	David Schoellhamer		Sedimentation movement and availability and monitoring in the Delta	The objective of this project is to describe the movement and availability of sediment for ecological benefits. David Schoellhamer. Research project completed.
1	Delta	EP			1 A. Status of the methodology for evaluating delta flow and hydrodynamic patterns.	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 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.
1	Delta	EP			1 A. Status of the methodology for evaluating delta flow and hydrodynamic patterns.	ERP-01-C05	Oct-04	Sep-04	1,218,105	none	1,218,105	Sacramento Regional County Sanitation District and Department of Water Resources	Curt Schmutte		Feasibility Study of the Ecosystem & Water Quality Benefits Associated with Restoration of Franks Tract, Big Break, and Lower Sherman Lake	Feasibility study will evaluate the potential to create ecosystem, water quality/supply, recreational, and other benefits at lower Sherman Lake, Big Break, and Franks Tract, by modifying emergent levees to inhibit salt trapping and restoring tidal marsh habitat. The study will investigate how restoration of tidal marsh with dendritic channels and tidal flows can increase habitat values for fish and wildlife, including protect species, and inhibit invasive plants, such as Brazilian waterweed. Field and secondary data research and modeling of Delta hydrology and constituent transport will be included. Curt Schmutte Department of Water Resources. Feasibility Study. Project not completed due to contract problems.

MS Number	REGION	Project Type	Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT NUMBERS	CONTRACT		CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comments
							START DATE	END DATE								
1	Delta	EP			1 A. Status of the methodology for evaluating delta flow and hydrodynamic patterns.	ERP-01-C06	Jul-01	Jun-04			1,367,684	USGS	David Schoellhamer		Sedimentation in the Delta and Suisun Bay	This study investigates sediment transport processes in the Delta - which are an integral part of flow and hydrodynamics. David Schoellhamer, USGS, Research. 50% complete. <i>Builds on research funded under ERP-97-B02.</i>
1	Delta	EP			1 A. Status of the methodology for evaluating delta flow and hydrodynamic patterns.	ERP-01-C07	Jul-01	Jun-04			2,600,000	USGS	James Cloern		#1 Transport, Transformation, and Effects of SE and Carbon in the Delta of the Sacto-SJ Rivers: Implications for Ecosystem Restoration;	Development of hydrodynamic models to evaluate SE and C transport, SE sediment record, laboratory studies of SE transformations by phytoplankton. <i>Donna Podger Monitoring. 74% completed.</i>
1	Delta	EP			1 A. Status of the methodology for evaluating delta flow and hydrodynamic patterns.	ERP-01-N01	Jan-02	Dec-04	2,521,236		2,521,236	University of California, Davis	Dr. James Quinn		The Influences Flood Regimes, Vegetative and Geomorphic Structures on the Links between Aquatic & Terrestrial Systems.	Contributes to the development of the methodology for evaluating delta flow and hydrodynamic patterns. <i>Research. Project not completed. They are 1 1/2 years into the project</i>
1	Delta	EP			1 A. Status of the methodology for evaluating delta flow and hydrodynamic patterns.	ERP-02-C04-D	none listed	none listed	500,257	none	500,257	California State Reclamation Board	Peter Rabbon		Two-Dimensional Detailed Hydraulic Model for Determining Flood Conveyance Impacts of Ecosystem Restoration Projects in the Yolo Bypass	Project will improve the existing Yolo Bypass RMA-2 2-D hydraulic model. The tool will be used to evaluate the hydraulic impacts to flood capacity of the Bypass. <i>This is modeling/planning project where they hope to develop a low flow model to evaluate and develop flood management improvements for the Yolo Bypass. Project is not completed. The exemptions for the contract have just recently been approved so the contract is just entering the approval process on the State side in General Services. The model may be an effective tool that could be used in conjunction with restoration planning but the focus of this grant is to evaluate flood capacity and conveyance scenarios.</i>
1	Delta	EP			1 A. Status of the methodology for evaluating delta flow and hydrodynamic patterns.	ERP-02-P30	Dec-03		747,741	none	747,741	University of Arkansas	David W. Stahle, PhD.		Hydroclimatic Reconstruction and Ancient Blue Oak Mapping of the Drainage Basin of San Francisco Bay	Research hydroclimatic conditions over the past 500 years, contributing to the development of a methodology for evaluating delta flow and hydrodynamic patterns. Project will also contribute to the protection of upland (Blue Oak Communities) in many Ecological Management Zones and Upland Watershed Regions. <i>David W. Stahle Project incomplete. It is a 3 year project.</i>
1	Delta	EP			1 A. Status of the methodology for evaluating delta flow and hydrodynamic patterns.	ERP-02-P38	Nov-03	Oct-06	562,924	none	562,924	University of California, San Diego, Scripps Institute of Oceanography	Noah Knowles		Effects of Climate Variability and Change on the Vegetation and Hydrology of the Bay-Delta Watershed	Research vegetation in shaping the watershed's hydrologic response to climate variability and global climate change, contributing to the development of a methodology for evaluating delta flow and hydrodynamic patterns. The project will assess the role of vegetation in shaping the watershed's hydrologic response to climate variability and global climate change. Project will couple an existing hydrology model of the Sacramento-San Joaquin watershed (Bay-Delta Watershed) to a well-tested vegetation ecosystem process model (BIOME-BGC). <i>Noah Knowles. Project incomplete. It has just started.</i>
1	Delta	EP			1 A. Status of the methodology for evaluating delta flow and hydrodynamic patterns.	ERP-99-N18	Oct-02	Jun-04	104,458	0	104,458	University of California, Davis; Department of Geology	Eric W. Larsen		Geomorphic Model for Demonstration and Feasibility Assessment of Setback Levees: Bay-Delta River Systems	Tasks: 1) Develop new components of meander migration model; 2) Apply meander migration model to simulate levee setback scenarios; 3) Develop computer model for visualization of model output; 4) Prepare model simulations, provide report and recommendations. <i>Eric Larsen. UC Davis. Research; project not complete.</i>

MS Number	REGION	Project Type	Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT NUMBERS	CONTRACT		CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comments
							START DATE	END DATE								
1	Delta	EP			1 A. Status of the methodology for evaluating delta flow and hydrodynamic patterns.	ERP-97-B06	Mar-98	Sep-01	1,440,649	0	1,440,649	U.S. Geological Survey	James Cloern and Brian Cole		Assessment of the Sacramento-San Joaquin Delta as Habitat for Production of the Food Resources that Support Fish Recruitment	This project provides a focused assessment of the capacity of different Delta habitats to support the nutritional requirements of the invertebrate biota that sustain population at the upper-trophic-levels. Brian Cole, US Geological Survey. Research; project completed.
1	Delta	EP			1 A. Status of the methodology for evaluating delta flow and hydrodynamic patterns.	ERP-99-B13	Aug-00	Jun-04	1,042,245	none	1,063,600	University of Washington	Charles Simenstad		Understanding Tidal Marsh Restoration Processes and Patterns	Researchers propose to build on and expand initial CALFED Category III-supported research in the Sacramento-San Joaquin Delta to address considerable uncertainty in predicting the outcome and ecological benefit of restoring shallow-water tidal habitat in three different regions of the Bay-Delta, Suisun Bay, and San Pablo/North Bay. Charles Simenstad, University of Washington. Research/Monitoring; 99% complete. Fieldwork and research complete. The project addresses considerable uncertainty in predicting the outcome and ecological benefit of restoring shallow-water tidal habitat in three different regions of the Bay Delta: the Delta, Suisun Bay, and San Pablo/North Bay
1	Delta	EP			1 A. Status of the methodology for evaluating delta flow and hydrodynamic patterns.	ERP-02-P19	Feb-04	Jul-06	509,222.00	none	509,222	Romberg Tiburon Center	Wim Kimmerer		Determining the Mechanisms Relating to Freshwater Flow and Abundance of Estuarine Biota (The Fish-X2 Relationships)	Determining the Mechanisms Relating to Freshwater Flow and Abundance of Estuarine Biota (The Fish-X2 Relationships). Wim Kimmerer, Romberg Tiburon Center. Monitoring/Planning. Project completion status not indicated on field review. The project researches a current methodology for evaluating delta flow and hydrodynamic patterns. The project contributes to the development of a delta flow and hydrodynamic evaluation methodology that can be appropriately used in the implementation of an ecologically based plan to restore conditions in the rivers and sloughs of the Delta to support targets for restoration of aquatic resources.
1	Delta	EP			1 A. Status of the methodology for evaluating delta flow and hydrodynamic patterns.	ERP-02-P22	none listed	none listed	471,661.00	none	471,661	Stanford University	Stephen Monismith		Shallow Open Water Habitats: Hydrodynamics and Benthic Grazing	Project will improve scientific understanding of the linkages between populations of at-risk species and inflows, especially relative to regulatory measures like X2. Stephen Monismith, Stanford University, Department of Civil and Environmental Engineering. Monitoring/Research. Project not completed. The project researches methodologies for evaluating delta flow and hydrodynamic patterns. The project contributes to the development of a delta flow and hydrodynamic evaluation methodology that can be appropriately used in the implementation of an ecologically based plan to restore conditions in the rivers and sloughs of the Delta to support targets for restoration of aquatic resources.
1	Delta	EP			1 B. Status of a delta flow and hydrodynamic evaluation methodology that can be appropriately used in the implementation of an ecologically based plan to restore conditions in the rivers and sloughs of the Delta to support targets for restoration of aquatic resources.	ERP-02-C08			300,000	43,200	343,200	Department of Water Resources	Dave Brown	489 acres	Restoration of Eastern Delta Floodplain Habitats on Grizzly Slough in the Cosumnes River Watershed	Restore the Grizzly Slough property as floodplain. The project will contribute to the extent and continuity of floodplain and riparian corridor in the area of the lower Cosumnes River. Dave Brown, DWR. Planning. The contract is just being finalized so no work has been completed to date. A baseline assessment and detailed topography will be produced for use in the future development and analysis of alternatives

MS Number	REGION	Project Type	Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT NUMBERS	CONTRACT		CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comments
							START DATE	END DATE								
1	Delta	EP			1 B. Status of a delta flow and hydrodynamic evaluation methodology that can be appropriately used in the implementation of an ecologically based plan to restore conditions in the rivers and sloughs of the Delta to support targets for restoration of aquatic resources.	ERP-99-N18	Oct-02	Jun-04	104,458	0	104,458	University of California, Davis; Department of Geology	Eric W. Larsen		Geomorphic Model for Demonstration and Feasibility Assessment of Setback Levees: Bay-Delta River Systems	Tasks: 1) Develop new components of meander migration model; 2) Apply meander migration model to simulate levee setback scenarios; 3) Develop computer model for visualization of model output; 4) Prepare model simulations, provide report and recommendations. Eric Larsen, UC Davis. Research; project not complete.
1	Delta	EP			1 B. Status of a delta flow and hydrodynamic evaluation methodology that can be appropriately used in the implementation of an ecologically based plan to restore conditions in the rivers and sloughs of the Delta to support targets for restoration of aquatic resources.	ERP-99-B13	Aug-00	Jun-04	1,042,245	none	1,063,600	University of Washington	Charles Simenstad		Understanding Tidal Marsh Restoration Processes and Patterns	Researchers propose to build on and expand initial CALFED Category III-supported research in the Sacramento-San Joaquin Delta to address considerable uncertainty in predicting the outcome and ecological benefit of restoring shallow-water tidal habitat in three different regions of the Bay-Delta, Suisun Bay, and San Pablo/North Bay. Charles Simenstad, University of Washington. Research/Monitoring; 99% complete. Fieldwork and research complete. The project addresses considerable uncertainty in predicting the outcome and ecological benefit of restoring shallow-water tidal habitat in three different regions of the Bay Delta: the Delta, Suisun Bay, and San Pablo/North Bay
1	Delta	EP			1 B. Status of a delta flow and hydrodynamic evaluation methodology that can be appropriately used in the implementation of an ecologically based plan to restore conditions in the rivers and sloughs of the Delta to support targets for restoration of aquatic resources.	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 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.
1	Delta	EP			1 B. Status of a delta flow and hydrodynamic evaluation methodology that can be appropriately used in the implementation of an ecologically based plan to restore conditions in the rivers and sloughs of the Delta to support targets for restoration of aquatic resources.	ERP-01-N01	Jan-02	Dec-04	2,521,236		2,521,236	University of California, Davis	Dr. James Quinn		The Influences of Flood Regimes, Vegetative and Geomorphic Structures on the Links between Aquatic & Terrestrial Systems.	Contributes to the development of the methodology for evaluating delta flow and hydrodynamic patterns. Research. Project not completed. They are 1 1/2 years into the project
1	Delta	EP			1 B. Status of a delta flow and hydrodynamic evaluation methodology that can be appropriately used in the implementation of an ecologically based plan to restore conditions in the rivers and sloughs of the Delta to support targets for restoration of aquatic resources.	ERP-96-M10	Sep-97	Dec-99	475,000		475,000	University of Washington	Charles Simenstad		Applied Research to Predict the Evolution of Restored Diked Wetlands	Contributes to the development of a delta flow and hydrodynamic evaluation methodology that can be appropriately used in the implementation of an ecologically based plan to restore conditions in the rivers and sloughs of the Delta to support targets for restoration of aquatic resources. Project contributes to the overall knowledge of restoration of diked wetlands in the Delta. Research/Monitoring

[illegible]

[illegible]

MULTI SPECIES CONSERVATION STRATEGY MILESTONE 4 -- ROLLED UP SUMMARY

MILESTONE 4 -- Complete a fluvial geomorphic assessment of coarse sediment supply needs and sources to maintain, improve, or supplement gravel recruitment and natural sediment transport processes linked to stream channel maintenance, erosion and deposition, maintenance of fish spawning areas, and the regeneration of riparian vegetation. Develop and implement a program to reduce erosion and maintain gravel recruitment on at least one tributary within the Eastside Delta Tributaries EMZ.		PROJECTS REVIEWED - ERP-99-N06, AFRP-2000-18, AFRP-2002-01,	SUMMARY -- AFRP contracts have been awarded in which later phases will address completion of a geomorphic assessment of coarse sediment supply needs and sources to maintain, improve or supplement gravel recruitment and natural sediment transport processes linked to stream channel maintenance, erosion, and deposition, maintenance of fish spawning areas, and the regeneration of riparian habitat. An AFRP contract provides for those aspects of natural sediment transport processes linked to stream channel maintenance, erosion, and deposition, maintenance of fish spawning areas, and the regeneration of riparian habitat on a small reach of the same tributary, the Mokelumne River. Whether these contracts will lead to the development and implementation of a program to reduce erosion and maintain gravel recruitment on at least one tributary within the Eastside Delta Tributaries EMZ remains to be determined.		AGENCY NOTES --	NOTES CONT'D --

MULTI SPECIES CONSERVATION STRATEGY MILESTONE 4 -- EVALUATION OF INDIVIDUAL PROJECTS REVIEWED TO FORMULATE THE ROLLED UP SUMMARY

[illegible]

MULTI SPECIES CONSERVATION STRATEGY MILESTONE 5 -- ROLLED UP SUMMARY																
MILESTONE 5 -- Develop floodplain management plans, including feasibility studies to construct setback levees, to restore and improve opportunities for rivers to inundate their floodplain on a seasonal basis for at least one tributary within the Eastside Delta Tributary EMZ.				PROJECTS REVIEWED -ERP-96-M06, ERP-97-N14, ERP-98-B17, ERP-98-F19, ERP-99-N06, ERP-99-N15, ERP-01-N10, ERP-02-P45		SUMMARY -- Several ERP contracts and funds from other sources have been used to contribute towards development of floodplain management plans, including feasibility studies to construct setback levees, to restore and improve opportunities for rivers to inundate their floodplain o n a seasonal basis for at least one tributary within the Eastside Delta Tributary EMZ. Projects ranged from feasibility planning of both the Cosumnes and Mokelumne rivers to simulate hydrogeomorphic impacts of levee setback and breach designs that optimize both restoration and flood management goals; acquisitions along the Cosumnes River corridor which will provide future opportunities for restoration of the floodplain; and continued development of a watershed stewardship plan for the Mokelumne River to guide willing or interested landowners to voluntarily implement riparian restoration, levee setback or improvement programs, floodplain agriculture practices, and wildlife buffers.						AGENCY NOTES --		NOTES CONT'D --		
MULTI SPECIES CONSERVATION STRATEGY MILESTONE 5 -- EVALUATION OF INDIVIDUAL PROJECTS REVIEWED TO FORMULATE THE 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	CONTRACT		CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comments
							START DATE	END DATE								
5	Delta	EP	Develop floodplain management plans, including feasibility studies to construct setback levees, to restore and improve opportunities for rivers to inundate their floodplain on a seasonal basis for at least one tributary within the Eastside Delta Tributary EMZ.		5 A. Status of floodplain management plans, including feasibility studies to construct setback levees for at least one tributary within the Eastside Delta Tributary EMZ. - Cosumnes River	ERP-99-N06	Jan-00	Jan-03	1,546,016	none	1,546,016	UC Davis	Jeff Mount		Linked Hydrogeomorphic-Ecosystem Models to Support Adaptive Management: Cosumnes-Mokelumne Paired Basin Project	This project will document and simulate hydrogeomorphic impacts of levee setback and breach designs that optimize both restoration and flood management goals. Jeff Mount, UC Davis. Research and Planning; The project is wrapping up. The final reports are being finalized and should be available soon.
5	Delta	EP			5 A. Status of floodplain management plans, including feasibility studies to construct setback levees for at least one tributary within the Eastside Delta Tributary EMZ. - Cosumnes River	ERP-02-P45	Jun-03	Jun-05	120,000	none	120,000	William Lettis and Associates	William Lettis		Geomorphic and Geological Mapping for Restoration Planning, Sacramento-San Joaquin Delta Region	This project will establish the geomorphic and geologic framework necessary for floodplain restoration, evaluation of selective levee breaching, and planning set-back levee construction on the lower Sacramento River. Christopher Hitchcock, William Lettis & Associates, Inc. Monitoring/Planning. Project 40% completed.
5	Delta	EP			5 B. Status of floodplain management plans to restore and improve opportunities for rivers to inundate their floodplain on a seasonal basis for at least one tributary within the Eastside Delta Tributary EMZ. - Cosumnes River.	ERP-98-B17	Jul-98	Jul-02	5,356,000	none	5,356,000	The Nature Conservancy	Michael R. Eaton	<2247 acres	Cosumnes River Floodplain Acquisition	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. Mike Eaton, TNC. Acquisition; This grant was used for acquisition of the 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. The properties could contribute towards more floodplain restoration once some additional acquisitions are made.

MS Number	REGION	Project Type	Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT NUMBERS	CONTRACT		CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comments
							START DATE	END DATE								
5	Delta	EP			5 B. Status of floodplain management plans to restore and improve opportunities for rivers to inundate their floodplain on a seasonal basis for at least one tributary within the Eastside Delta Tributary EMZ. - Cosumnes River.	ERP-98-F19	Mar-99	Sep-01	750,000	none	750,000	The Nature Conservancy	Michael R. Eaton	<475.5 acres	Cosumnes River Acquisition, Restoration, Planning and Demonstration	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. 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.
5	Delta	EP			5 B. Status of floodplain management plans to restore and improve opportunities for rivers to inundate their floodplain on a seasonal basis for at least one tributary within the Eastside Delta Tributary EMZ. - Cosumnes River.	ERP-96-M06	Oct-96	none listed	1,500,000	10,500,000	12,000,000	The Nature Conservancy	Michael R. Eaton	<4356 acres	The Valensin Ranch Acquisition and Restoration Project	Acquire 4,356 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. Unspecified amounts will be restored. Acquisition. This grant was used for acquisition of the Valensin Ranch property. The acquisition protected approximately one half mile of riverine riparian habitat, 290 acres of aquatic and riparian habitat at Horseshoe Lake, and included about 75 acres of riparian restoration.
5	Delta	EP			5 B. Status of floodplain management plans to restore and improve opportunities for rivers to inundate their floodplain on a seasonal basis for at least one tributary within the Eastside Delta Tributary EMZ. - Cosumnes River.	ERP-97-N14	Oct-96	Sep-02	1,985,100	none	1,985,100	The Nature Conservancy	Michael R. Eaton	<2947 acres	The Valensin Ranch Acquisition and Restoration Project	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.
5	Delta	EP			5 B. Status of floodplain management plans to restore and improve opportunities for rivers to inundate their floodplain on a seasonal basis for at least one tributary within the Eastside Delta Tributary EMZ. - Cosumnes River.	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	Cosumnes/Mokelumne Corridor Floodplain Acquisition, Management, and Restoration Planning	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.
5	Delta	EP			5 C. Status of floodplain management plans, including feasibility studies to construct setback levees for at least one tributary within the Eastside Delta Tributary EMZ. - Mokelumne River	ERP-99-N15	May-00	Jun-02	227,000		227,000	San Joaquin County Resource Conservation District	John Meek		Continuation of the Lower Mokelumne River Watershed Stewardship Program	This project will continue with developing a watershed stewardship plan that will voluntarily implement riparian restoration, levee setback or improvement programs, floodplain ag practices, and wildlife/ag buffers. John Brodie. Project complete
5	Delta	EP			5 C. Status of floodplain management plans, including feasibility studies to construct setback levees for at least one tributary within the Eastside Delta Tributary EMZ. - Mokelumne River	ERP-99-N06	Jan-00	Jan-03	1,546,016	none	1,546,016	UC Davis	Jeff Mount		Linked Hydrogeomorphic-Ecosystem Models to Support Adaptive Management: Cosumnes-Mokelumne Paired Basin Project	This project will document and simulate hydrogeomorphic impacts of levee setback and breach designs that optimize both restoration and flood management goals. Jeff Mount, UC Davis. Research and Planning; The project is wrapping up. The final reports are being finalized and should be available soon.

MULTI SPECIES CONSERVATION STRATEGY MILESTONE 6 -- ROLLED UP SUMMARY									
MILESTONE 6 -- In the Sacramento-San Joaquin Delta EMZ, cooperatively enhance at least 15% of the ERP target for wildlife friendly agricultural practices.		PROJECTS REVIEWED - ERP-98-E11, ERP-99-N15, ERP-00-F02, ERP-01-N10, ERP-01-N23, ERP-02-P08, ERP-02-P21		SUMMARY -- A few contracts were issued to cooperatively enhance at least 15 percent of the ERP target for wildlife friendly agriculture practices in the Sacramento-San Joaquin Delta EMZ. Projects included fostering stakeholder stewardship through the working group established for the Yolo bypass which provides a forum for stakeholders and land owners to encourage practices that protect and enhance fish and wildlife habitat consistent with economic viability of agriculture practices in the bypass which is in the North Delta EMU; acquisition, continued management of existing agriculture operation, and development of an improved water management infrastructure for 9,200 acres of agricultural lands in the East Delta EMU; planning of 3,040 acres of which a portion would be managed for agriculture in a manner that optimizes habitat values; continued development of a watershed stewardship plan for the Mokelumne River to guide willing or interested landowners to voluntarily implement riparian restoration,		SUMMARY CONTINUED -- levee setback or improvement programs, floodplain agriculture practices, and wildlife buffers; and acquisitions to provide floodplain restoration but wildlife friendly agriculture practices should be considered or applied where consistent with some of the acquisitions. The target to enhance at least 15% (40-75,000 acres) of the ERP target for wildlife friendly agricultural practices may have been met, pending evaluation.	AGENCY NOTES --	NOTES CONT'D --	

MULTI SPECIES CONSERVATION STRATEGY MILESTONE 6 -- EVALUATION OF INDIVIDUAL PROJECTS REVIEWED TO FORMULATE THE 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	CONTRACT		CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comments
							START DATE	END DATE								
6	Delta	H	In the Sacramento-San Joaquin Delta EMZ, cooperatively enhance at least 15% of the ERP target for wildlife friendly agricultural practices.	Cooperatively manage 40,000 to 75,000 acres of agricultural lands.	6 A. Status of wildlife friendly agricultural practices program in the Sacramento-San Joaquin Delta EMZ.	ERP-98-E11	Jun-99	Jul-01	271,653	none	271,653	Yolo Bypass Foundation	Robin Kulakow	<59000 acres	Watershed Restoration Strategy for the Yolo Bypass	Project is located in the 59,000 acre Yolo Bypass. The purpose of the project is to foster stakeholder stewardship in order to encourage practices that protect and enhance fish and wildlife habitat, while respecting and maintaining economic viability of the land and water users, and maintain flood management functions. Unspecified amount will be managed as wildlife friendly agricultural. Project is for outreach and preliminary planning. <i>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."</i> 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.
6	Delta	H			6 A. Status of wildlife friendly agricultural practices program in the Sacramento-San Joaquin Delta EMZ.	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	Cosumnes/Mokelumne Corridor Floodplain Acquisition, Management, and Restoration Planning	PORTION OF MILESTONE ADDRESSED: Acquire a portion of 1179.84 acres of which a portion will be managed for wildlife friendly agricultural practices. <i>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.</i>
6	Delta	H			6 A. Status of wildlife friendly agricultural practices program in the Sacramento-San Joaquin Delta EMZ.	ERP-01-N23	Feb-01	Jan-02	17,555,437	17,555,437	35,110,873	The Nature Conservancy	Michael R. Eaton	9200 acres	Staten Island Acquisition	Wildlife friendly agriculture practices program in the Sacramento-San Joaquin Delta EMZ. <i>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.</i>

MS Number	REGION	Project Type	Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT NUMBERS	CONTRACT		CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comments
							START DATE	END DATE								
6	Delta	H			6 A. Status of wildlife friendly agricultural practices program in the Sacramento-San Joaquin Delta EMZ.	ERP-00-F02	Feb-00	Sep-04	131,980		131,980	Department of Fish and Game	Brad Burkholder		Canal Ranch Habitat Restoration Phase II	The basic approach is to promote and develop a self sustaining complex of natural communities while still maintaining agricultural production. Brad Burkholder. The project has been delayed due to the desire of the DFG to ensure consistency between this effort and the larger Delta Regional Ecosystem Restoration Implementation Plan (DRERIP) outreach and planning efforts. The continued delay has been a result of that decision to ensure that efforts conducted on Canal Ranch is consistent with the DRERIP efforts. As you may know, that process is in progress but has shifted its focus to scientific review of the actions called out in the 2000 ERP documents. That effort involves external scientists vetting those actions and given the current freeze on external contracts, the timeline for that keeps getting pushed back.
6	Delta	H			6 A. Status of wildlife friendly agricultural practices program in the Sacramento-San Joaquin Delta EMZ.	ERP-99-N15	May-00	Jun-02	227,000		227,000	San Joaquin County Resource Conservation District	John Meek		Continuation of the Lower Mokelumne River Watershed Stewardship Program	This project will continue with developing a watershed stewardship plan that will voluntarily implement riparian restoration, levee setback or improvement programs, floodplain ag practices, and wildlife/ag buffers. John Brodie. Project complete
6	Delta	H			6 A. Status of wildlife friendly agricultural practices program in the Sacramento-San Joaquin Delta EMZ.	ERP-02-P21	Jul-03	Jun-06	246,370		246,370	Solano Land Trust	Julian Meisler		Restoring Ecosystem Integrity in the Northwest Delta: PHASE II	Restoration of riparian habitat along sloughs in North Delta. Project linked to ERP-02-P21. Julian Mesiler, Solano Land Trust. This project is developing plans for fee acquisition or conservation easement acquisition within the Jepson Prairie-Prospect Island Corridor that protects continued agriculture and encourages wildlife friendly practives. At this time there are no willing sellers.
6	Delta	H			6 A. Status of wildlife friendly agricultural practices program in the Sacramento-San Joaquin Delta EMZ.	ERP-02-P08	Jul-03	Jun-06	1,507,459	none	1,507,459	Ducks Unlimited Western Regional Office	Jim Well/Patrick Fitzmorris	2500-5000	Staten Island Wildlife-Friendly Farming Demonstration	Develop an efficient and cost effective water management infrastructure to maintain and improve sustainable ag and wildlife-friendly farm practices. Mike Eaton, TNC. Implementation. This grant is about one third completed at this time. The project involves improvements to the infrastructure to improve water management strategies for wildlife benefits to the 9,200 acre farming operation. They have completed approximately one half of the interior levee construction and are working on the new pump facility. Milestone 5 could be added to the list because the property could include construction of setback levees to restore and improve floodplain habitat. The long term planning has been delayed by the North Delta Improvements program which is investigating potential opportunities for flood protection.

MULTI SPECIES CONSERVATION STRATEGY MILESTONE 7 -- ROLLED UP SUMMARY																
MILESTONE 7 -- Restore a minimum of 15 miles of slough habitat (widths less than 50 to 75 feet) in each of the North, East, South, Central and West Delta EMUs that allows for the colonization of delta mudwort and delta tule pea.				PROJECTS REVIEWED - ERP-97-N10, ERP-98-E11, ERP-00-F02, ERP-01-N10, ERP-02D-P54		SUMMARY -- Several ERP contracts have been used to fund restoration of a minimum of 15 miles of slough habitat (widths less than 50 to 75 feet) in each of the North, East, South, Central and West Delta EMUs that allows for the colonization of delta mudwort and delta tule pea. Projects in the North Delta include: the restoration of approximately 1 mile of slough habitat in North Delta and the purchase of up to 1,100 acres, of which an unspecified portion can be restored with future funding. Additional projects for the Yolo Bypass are in the planning stages. Projects in the East Delta will address planning for restoration of slough habitat suitable for the delta mudwort and delta tule pea. A portion of 1180 acres may be restored. There are no contracts that deal with restoration of slough habitat in the South Delta or for the Central and West Delta suitable for the delta mudwort and delta tule pea.							AGENCY NOTES --		NOTES CONT'D --	
MULTI SPECIES CONSERVATION STRATEGY MILESTONE 7 -- EVALUATION OF INDIVIDUAL PROJECTS REVIEWED TO FORMULATE THE 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	CONTRACT		CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comments
							START DATE	END DATE								
7	Delta	H	Restore a minimum of 15 miles of slough habitat (widths less than 50 to 75 feet) in each of the North, East, South, Central and West Delta EMUs that allows for the colonization of delta mudwort and delta tule pea.		7 A. Status of restoration of slough habitat in North Delta suitable for the delta mudwort and delta tule pea.	ERP-98-E11	Jun-99	Jul-01	271,653	none	271,653	Yolo Bypass Foundation	Robin Kulakow		Watershed Restoration Strategy for the Yolo Bypass	Unspecified amount of slough habitat may be restored in the North Delta for the delta mudwort and delta tule pea. 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.
7	Delta	H			7 A. Status of restoration of slough habitat in North Delta suitable for the delta mudwort and delta tule pea.	ERP-02D-P54						Solano Land Trust	Julian Meisler		Restoring Ecosystem Integrity in the Northwest Delta: PHASE II	Restoration of riparian habitat along sloughs in North Delta. Project linked to ERP-02-P21. Julian Meisler, Solano Land Trust. Implementation. Project not completed, it is in its beginning phases. Yes, in that it provides planning for restoration and management for habitats in those milestones. This project covers Phase II: Component 1 - Purchase of up to 1,100 acres of conservation easements on of top ranked properties bordering Calhoun Cut and Lindsey Slough as identified in the Site Conservation Plan for the Jepson Prairie-Prospect Island Corridor. Easements will be from willing sellers and land will remain in wildlife friendly agriculture; Component 2 - Feasibility analysis of landscape scale restoration on the publicly owned Calhoun Cut Ecological Reserve. This includes hydrologic and bathymetric modeling and a restoration plan.
7	Delta	H			7 A. Status of restoration of slough habitat in North Delta suitable for the delta mudwort and delta tule pea.	ERP-97-N10	Feb-98	Sep-02	292,801	none	292,801	Solano Land Trust	Julian Meisler	1 mile	Restoring Ecosystem Integrity in the Northwestern Delta	Restore and plant native riparian habitats along 1 mile of Barker Slough and Calhoun Cut in the North Delta. Implementation. Restored riparian vegetation along 1 mile of Barker Slough and Calhoun Cut in the North Delta. Restoration of slough habitat in North Delta suitable for the delta mudwort and delta tule pea. Project completed.

MS Number	REGION	Project Type	Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT NUMBERS	CONTRACT		CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comments
							START DATE	END DATE								
7	Delta	H			7 B. The number of linear miles of slough habitat restored in the North Delta EMU	ERP-02D-P54	Jul-03?	Jun-06?	\$1,563,506?		\$1,563,506 ?	Solano Land Trust	Julian Meisler		Restoring Ecosystem Integrity in the Northwest Delta: PHASE II	Restoration of riparian habitat along sloughs in North Delta. Project linked to ERP-02-P21. Julian Meisler, Solano Land Trust. Implementation. Project not completed, it is in its beginning phases. Yes, in that it provides planning for restoration and management for habitats in those milestones. This project covers Phase II: Component 1 - Purchase of up to 1,100 acres of conservation easements on of top ranked properties bordering Calhoun Cut and Lindsey Slough as identified in the Site Conservation Plan for the Jepson Prairie-Prospect Island Corridor. Easements will be from willing sellers and land will remain in wildlife friendly agriculture; Component 2 - Feasibility analysis of landscape scale restoration on the publicly owned Calhoun Cut Ecological Reserve. This includes hydrologic and bathymetric modeling and a restoration plan.
7	Delta	H			7 C. Status of restoration of slough habitat in East Delta suitable for the delta mudwort and delta tule pea.	ERP-00-F02	Feb-00	Sep-04	131,980		131,980	Department of Fish and Game	Brad Burkholder		Canal Ranch Habitat Restoration Phase II	The north and south boundaries of the property are dead end sloughs which will be addressed in the planning process and alternatives development Brad Burkholder. The project has been delayed due to the desire of the DFG to ensure consistency between this effort and the larger Delta Regional Ecosystem Restoration Implementation Plan (DRERIP) outreach and planning efforts. The continued delay has been a result of that decision to ensure that efforts conducted on Canal Ranch is consistent with the DRERIP efforts. As you may know, that process is in progress but has shifted its focus to scientific review of the actions called out in the 2000 ERP documents. That effort involves external scientists vetting those actions and given the current freeze on external contracts, the timeline for that keeps getting pushed back.
7	Delta	H			7 D. The number of linear miles of slough habitat restored in the East Delta EMU	ERP-00-F02	Feb-00	Sep-04	131,980		131,980	Department of Fish and Game	Brad Burkholder		Canal Ranch Habitat Restoration Phase II	The north and south boundaries of the property are dead end sloughs which will be addressed in the planning process and alternatives development Brad Burkholder. The project has been delayed due to the desire of the DFG to ensure consistency between this effort and the larger Delta Regional Ecosystem Restoration Implementation Plan (DRERIP) outreach and planning efforts. The continued delay has been a result of that decision to ensure that efforts conducted on Canal Ranch is consistent with the DRERIP efforts. As you may know, that process is in progress but has shifted its focus to scientific review of the actions called out in the 2000 ERP documents. That effort involves external scientists vetting those actions and given the current freeze on external contracts, the timeline for that keeps getting pushed back.
7	Delta	H			7 D. The number of linear miles of slough habitat restored in the East Delta EMU	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	Cosumnes/Mokelumne Corridor Floodplain Acquisition, Management, and Restoration Planning	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. 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.

MULTI SPECIES CONSERVATION STRATEGY MILESTONE 8 -- ROLLED UP SUMMARY																
MILESTONE 8 -- Restore a minimum of 500, 250, 1,000, and 2,500 acres of nontidal emergent wetland in the North, East, South, and Central and West Delta Ecological Management units respectively. Establish at least one population of bristly sedge in each EMU.					PROJECTS REVIEWED - ERP-98-C17, ERP-98-E11, ERP-98-F12, ERP-99-C01/C02, ERP-99-F04, ERP-00-F02, ERP-00-F06, ERP-00-F07, ERP-01-N23, ERP-02-C07-D, ERP-02D-P54, ERP-02-P03D, ERP-02-P08		SUMMARY -- Several ERP contracts funded planning for restoration of nontidal emergent wetland in the Delta. Many large projects are attempting to acquire land and several large-scale regional planning projects are underway which may, with additional funding, result in restoration of nontidal emergent wetland in the North Delta. A few contracts assess the possibility of restoration of nontidal emergent wetland in the East Delta and another multi-contract project plans to restore up to 244 acres in the Central and West Delta. To date, there has been no restoration of nontidal emergent wetland in any of the Delta EMUs. Only one project addresses establishment of new populations of bristly sedge (East Delta). EXPECTED: Restore a total of 4,250 acres of nontidal emergent wetland distributed in the 4 Delta EMUs and establish at least one population of bristly sedge in each. ACTUAL: No restoration of tidal emergent marsh has occurred, but one project plans to address establishment of bristly sedge in the East Delta.							AGENCY NOTES --	NOTES CONT'D --	
MULTI SPECIES CONSERVATION STRATEGY MILESTONE 8 -- EVALUATION OF INDIVIDUAL PROJECTS REVIEWED TO FORMULATE THE 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	CONTRACT		CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comments
							START DATE	END DATE								
8	Delta	H	Restore a minimum of 500, 250, 1,000, and 2,500 acres of nontidal emergent wetland in the North, East, South, and Central and West Delta Ecological Management units respectively. Establish at least one population of bristly sedge in each EMU.		8 A. Status of restoration of 500 acres of nontidal emergent wetland in the North Delta	ERP-98-C17	Dec-98	Nov-01	24,000	none	24,000	Department of Water Resources	Curt Schmutte		Assist in Developing Appraisal & Planning with TNC for the McCormack-Williamson Property	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.
8	Delta	H			8 A. Status of restoration of 500 acres of nontidal emergent wetland in the North Delta	ERP-98-E11	Jun-99	Jul-01	271,653	none	271,653	Yolo Bypass Foundation	Robin Kulakow		Watershed Restoration Strategy for the Yolo Bypass	Unspecified amount will be restored as nontidal emergent wetland 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.
8	Delta	H			8 A. Status of restoration of 500 acres of nontidal emergent wetland in the North Delta	ERP-98-F12	May-98	Sep-02	2,622,500	none	2,622,500	US Fish & Wildlife Service	Thomas Harvey		Stone Lakes NWR Land Acquisitions	Acquire 555 acres of which a portion 142.4 acres of nontidal emergent wetland in the North Delta will be restored. Acquiring and planning stage. Tom Harvey, USFWS. Acquisition and some initial planning; the Sun River was purchased for the FWS by American Lands Conservancy.

MS Number	REGION	Project Type	Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT NUMBERS	CONTRACT		CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comments
							START DATE	END DATE								
8	Delta	H			8 A. Status of restoration of 500 acres of nontidal emergent wetland in the North Delta	ERP-99-C01/C02	none listed	Mar-04	1,007,800	none	1,063,600	The Nature Conservancy	Michael R. Eaton		Lower Cosumnes-Mokelumne Rivers Feasibility Study	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).
8	Delta	H			8 A. Status of restoration of 500 acres of nontidal emergent wetland in the North Delta	ERP-99-F04	Jan-00	Jul-02	5,356,000	none	5,356,000	The Nature Conservancy	Michael R. Eaton		McCormick Williamson Tract's Acquisition	Acquisition to restore an unspecified amount of nontidal emergent wetland in the North Delta. Also see ERP-99-F03, ERP-00-07, ERP-00-08, ERP-02-P25. Keith Whitener, TNC. Acquisition; The property was acquired by the Nature Conservancy. They are still working on planning for the long term management of the property. The project could eventually contribute to the milestones identified but the future habitats and operation of the property is uncertain at this time due to the North Delta Improvements planning process. The property is being considered under a broader, multi-program effort so further implementation is uncertain at this time. There is also the need to do additional levee resloping to improve stability and habitat values before other modifications are made to the interior of the property such as breaching the exterior levees.
8	Delta	H			8 A. Status of restoration of 500 acres of nontidal emergent wetland in the North Delta	ERP-00-F06		Sep-04	2,623,043		2,623,043	US Fish & Wildlife Service	Thomas Harvey		Liberty Island acquisition and Restoration, Phase 1	The approach is going to be passive by the Service to allow natural revegetation of the area. This grant is for six tasks: fee title acquisition of the remaining two privately owned properties on Liberty Island: conduct restoration planning for Liberty Island; implement the restoration plan for Liberty Island; implement a monitoring program for the restoration; operate and manage the restored island for three years; and, acquire fee title interest in two additional properties within the proposed North Delta National Wildlife Refuge. Tom Harvey, USFWS. Acquisition and planning. Portions of the project have stalled. The acquisition of the two remaining inholdings is being evaluated by new partners. Other parts of the grant such as monitoring has begun to collect some baseline information on the site. Plans have not been finalized for restoration and management yet so definitive linkages to milestones are not available at this time. The property is currently inundated and functioning as intertidal wetlands.
8	Delta	H			8 A. Status of restoration of 500 acres of nontidal emergent wetland in the North Delta	ERP-00-F07	Feb-00	Nov-04	355,000	250,000	605,000	Department of Water Resources	Curt Schmutte		McCormick Williamson Tract Phase II Restoration Planning	Property is 1600 acres, a portion will be restored to nontidal emergent wetland. Project currently in the planning process. (Also see ERP-99-F04, ERP-99-F03, ERP-00-08, ERP-99-F04, ERP-99-F03, ERP-02-P25). Keith Whitener, TNC. Planning for the property is ongoing. Some of the money has been used by TNC/UC Davis to develop a MIKE11 model to develop and analyze restoration alternatives. Other parts of the grant have been used to fund the the North Delta Science Panel and for contracts to develop a more regional model to evaluate potential alternatives for the property for a broader, multi-program project such as the North Delta Improvements. The project could eventually contribute to the milestones identified but the future habitats and operation of the property is uncertain at this time due to the North Delta Improvements planning process. The property is being considered under a broader, multi-program effort so further implementation is uncertain at this time.

MS Number	REGION	Project Type	Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT NUMBERS	CONTRACT		CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comments
							START DATE	END DATE								
8	Delta	H			8 A. Status of restoration of 500 acres of nontidal emergent wetland in the North Delta	ERP-02D-P54						Solano Land Trust	Julian Meisler		Restoring Ecosystem Integrity in the Northwest Delta: PHASE II	Restore of nontidal emergent wetland in North Delta. Project linked to ERP-02-P21. Implementation. Project not completed, it is in its beginning phases. Yes, in that it provides planning for restoration and management for habitats in those milestones. This project covers Phase II: Component 1 - Purchase of up to 1,100 acres of conservation easements on of top ranked properties bordering Calhoun Cut and Lindsey Slough as identified in the Site Conservation Plan for the Jepson Prairie-Prospect Island Corridor. Easements will be from willing sellers and land will remain in wildlife friendly agriculture; Component 2 - Feasibility analysis of landscape scale restoration on the publicly owned Calhoun Cut Ecological Reserve. This includes hydrologic and bathymetric modeling and a restoration plan.
8	Delta	H			8 B. Status of the establishment at least one population of bristly sedge in the North Delta											
8	Delta	H			8 C. Status of restoration of 250 acres of nontidal emergent wetland restoration in the East Delta	ERP-00-F02	Feb-00	Sep-04	131,980		131,980	Department of Fish and Game	Brad Burkholder		Canal Ranch Habitat Restoration Phase II	The alternatives developed in this planning phase will include and address non-tidal emergent wetland habitats. Brad Burkholder. The project has been delayed due to the desire of the DFG to ensure consistency between this effort and the larger Delta Regional Ecosystem Restoration Implementation Plan (DRERIP) outreach and planning efforts. The continued delay has been a result of that decision to ensure that efforts conducted on Canal Ranch is consistent with the DRERIP efforts. As you may know, that process is in progress but has shifted its focus to scientific review of the actions called out in the 2000 ERP documents. That effort involves external scientists vetting those actions and given the current freeze on external contracts, the timeline for that keeps getting pushed back.
8	Delta	H			8 C. Status of restoration of 250 acres of nontidal emergent wetland restoration in the East Delta	ERP-01-N23	Feb-01	Jan-02	17,555,437	17,555,437	35,110,873	The Nature Conservancy	Michael R. Eaton		Staten Island Acquisition	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.
8	Delta	H			8 C. Status of restoration of 250 acres of nontidal emergent wetland restoration in the East Delta	ERP-02-P08	Jul-03	Jun-06	1,507,459	none	1,507,459	Ducks Unlimited Western Regional Office	Jim Well/Patrick Fitzmorris	2500-5000	Staten Island Wildlife-Friendly Farming Demonstration	Develop an efficient and cost effective water management infrastructure to maintain and improve sustainable ag and wildlife-friendly farm practices. Mike Eaton, TNC. Implementation. This grant is about one third completed at this time. The project involves improvements to the infrastructure to improve water management strategies for wildlife benefits to the 9,200 acre farming operation. They have completed approximately one half of the interior levee construction and are working on the new pump facility. The long term planning has been delayed by the North Delta Improvements program which is investigating potential opportunities for flood protection.

MULTI SPECIES CONSERVATION STRATEGY MILESTONE 9 -- ROLLED UP SUMMARY								
MILESTONE 9 -- Restore a minimum of 500, 500, 4,000, and 5,000 acres of tidal emergent wetland in the North, East, South, and Central and West Delta Ecological Management units respectively.		PROJECTS REVIEWED - ERP-96-M02, ERP-97-B03, ERP-97-N12, ERP-97-N13, ERP-98-A01, ERP-98-C01, ERP-98-C17, ERP-98-F09, ERP-99-C01/C02, ERP-99-F04, ERP-99-N03, ERP-00-F02, ERP-00-F07, ERP-02-C07-D, ERP-02D-P54, ERP-02-P03D,	ERP-02-P12, ERP-02-P21, ERP-02-P25,	SUMMARY -- Several ERP contracts have been used to fund restoration of tidal emergent wetland in the Delta. Many large projects are attempting to acquire land and large-scale regional planning projects are underway which may, with additional funding, result in restoration of tidal emergent wetland in the North Delta. A few contracts address restoration of tidal emergent wetland in the East Delta and one of these projects plans for the restoration of up to 1,654 acres. There has also been planning to restore 371 acres to tidal emergent wetland in the Central and West Delta. No contracts address restoration of tidal emergent wetland in the South Delta. To date, there has been no restoration of tidal emergent wetland in the North, East, Central and West, or South Delta. To date no tidal emergent wetlands have been restored, although much land has been acquired and planning is ongoing.			AGENCY NOTES --	NOTES CONT'D --

MULTI SPECIES CONSERVATION STRATEGY MILESTONE 9 -- EVALUATION OF INDIVIDUAL PROJECTS REVIEWED TO FORMULATE THE 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	CONTRACT		CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comments
							START DATE	END DATE								
9	Delta	H	Restore a minimum of 500, 500, 4,000, and 5,000 acres of tidal emergent wetland in the North, East, South, and Central and West Delta Ecological Management units respectively.		9 A. Status of restoration of 500 acres of tidal emergent wetland restoration in the North Delta	ERP-96-M02			2,500,000	3,750,000	6,250,000	Department of Water Resources	Kate Hansel		Prospect Island Restoration Project	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 VanKlombenburg, CDFG. No implementation; This project was supposed to restore shallow water fresh emergent wetlands by breaching levees to restore tidal action. Additionally, it was to restore/replant riparian habitat on internal islands. An unplanned and misplaced breach prior to the project getted started stalled the project. No implementation has taken place to date.</i>
9	Delta	H			9 A. Status of restoration of 500 acres of tidal emergent wetland restoration in the North Delta	ERP-98-A01	Sep-98	Sep-99	2,000,000	none	2,000,000	US Corps of Engineers	Walter Yep		Prospect Island Habitat Protection Project	This project will close the breach in the levee which will prevent further loss of riparian habitat along the levees. The project is designed to restore 1,200 acres of freshwater tidal marsh and riparian habitat. <i>Gina VanKlombenburg, CDFG. Construction; This project was supposed to restore shallow water fresh emergent wetlands by breaching levees to restore tidal action. Additionally, it was to restore/replant riparian habitat on internal islands. An unplanned and misplaced breach prior to the project getted started stalled the project. This particular contract was not for any restoration, but was for levee repair and pump-out of the island, which was completed. The project has resulted in no habitat restoration implementation and no improvements.</i>
9	Delta	H			9 A. Status of restoration of 500 acres of tidal emergent wetland restoration in the North Delta	ERP-98-C17	Dec-98	Nov-01	24,000	none	24,000	Department of Water Resources	Curt Schmutte		Assist in Developing Appraisal & Planning with TNC for the McCormack-Williamson Property	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. <i>Project completed.</i>

MS Number	REGION	Project Type	Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT NUMBERS	CONTRACT		CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comments
							START DATE	END DATE								
9	Delta	H			9 A. Status of restoration of 500 acres of tidal emergent wetland restoration in the North Delta	ERP-99-C01/C02	none listed	Mar-04	1,007,800	none	1,063,600	The Nature Conservancy	Michael Eaton		Lower Cosumnes-Mokelumne Rivers Feasibility Study	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).
9	Delta	H			9 A. Status of restoration of 500 acres of tidal emergent wetland restoration in the North Delta	ERP-00-F07	Feb-00	Nov-04	355,000	250,000	605,000	Department of Water Resources	Curt Schmutte		McCormick Williamson Tract Phase II Restoration Planning	Property is 1600 acres, a portion will be restored to nontidal emergent wetland. Project currently in the planning process. (Also see ERP-99-F04, ERP-99-F03, ERP-00-08, ERP-99-F04, ERP-99-F03, ERP-02-P25). Keith Whitener, TNC. Planning for the property is ongoing. Some of the money has been used by TNC/UC Davis to develop a MIKE11 model to develop and analyze restoration alternatives. Other parts of the grant have been used to fund the the North Delta Science Panel and for contracts to develop a more regional model to evaluate potential alternatives for the property for a broader, multi-program project such as the North Delta Improvements. The project could eventually contribute to the milestones identified but the future habitats and operation of the property is uncertain at this time due to the North Delta Improvements planning process. The property is being considered under a broader, multi-program effort so further implementation is uncertain at this time.
9	Delta	H			9 A. Status of restoration of 500 acres of tidal emergent wetland restoration in the North Delta	ERP-02-P21	Jul-03	Jun-06	246,370		246,370	Solano Land Trust	Julian Meisler		Restoring Ecosystem Integrity in the Northwest Delta: PHASE II	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.
9	Delta	H			9 A. Status of restoration of 500 acres of tidal emergent wetland restoration in the North Delta	ERP-02D-P54						Solano Land Trust	Julian Meisler		Restoring Ecosystem Integrity in the Northwest Delta: PHASE II	Restore fresh emergent wetland in North Delta. Project linked to ERP-02-P21. Implementation. Project not completed, it is in its beginning phases. Yes, in that it provides planning for restoration and management for habitats in those milestones. This project covers Phase II: Component 1 - Purchase of up to 1,100 acres of conservation easements on of top ranked properties bordering Calhoun Cut and Lindsey Slough as identified in the Site Conservation Plan for the Jepson Prairie-Prospect Island Corridor. Easements will be from willing sellers and land will remain in wildlife friendly agriculture; Component 2 - Feasibility analysis of landscape scale restoration on the publicly owned Calhoun Cut Ecological Reserve. This includes hydrologic and bathymetric modeling and a restoration plan.

MS Number	REGION	Project Type	Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT NUMBERS	CONTRACT		CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comments
							START DATE	END DATE								
9	Delta	H			9 A. Status of restoration of 500 acres of tidal emergent wetland restoration in the North Delta	ERP-97-B03	Mar-93	Sep-03	8,926,000	none	8,926,000	U.S. Fish and Wildlife Service	Thomas Harvey	<4760 acres	Liberty Island Acquisition	Acquire 4,760 acres to restore an unspecified amount of acres of tidal emergent wetland restoration in the North Delta. Unspecified amounts will be restored. Acquisition. Project completed, but the original grant was amended to have the Trust for Public Lands acquire the property. This was a pure acquisition project and plans have not been finalized for restoration and management yet so definitive linkages to milestones is not available at this time. The property is currently inundated and functioning as intertidal wetlands.
9	Delta	H			9 A. Status of restoration of 500 acres of tidal emergent wetland restoration in the North Delta	ERP-99-F04	Jan-00	Jul-02	5,356,000	none	5,356,000	The Nature Conservancy	Michael R. Eaton	<1600 acres	McCormick Williamson Tract's Acquisition	Acquisition to restore an unspecified amount of tidal emergent wetland in the North Delta. Also see ERP-99-F03, ERP-00-07, ERP-00-08, ERP-02-P25. Keith Whitener, TNC. Acquisition; The property was acquired by the Nature Conservancy. They are still working on planning for the long term management of the property. The project could eventually contribute to the milestones identified but the future habitats and operation of the property is uncertain at this time due to the North Delta Improvements planning process. The property is being considered under a broader, multi-program effort so further implementation is uncertain at this time. There is also the need to do additional levee resloping to improve stability and habitat values before other modifications are made to the interior of the property such as breaching the exterior levees.
9	Delta	H			9 A. Status of restoration of 500 acres of tidal emergent wetland restoration in the North Delta	ERP-02-P12	Apr-03	Mar-06	1,800,000	0	1,800,000	Hart Restoration, Inc.	Jeff Hart	1.5 acres	Sustainable Restoration Technologies for Bay/Delta Tidal Marsh and Riparian Habitat	Restore 5,000 LF along Georgiana Slough. Jeff Hart, Hart Restoration, Inc. Implementation. Tidal emergent wetland: 1.5 acres. Projected 33% completed.
9	Delta	H			9 B. Status of restoration of 500 acres of tidal emergent wetland restoration in the East Delta	ERP-99-N03	Nov-99	Mar-03	1,100,000		1,100,000	Assessment and Restoration Team, Inc	Jeff Hart	11,000 LF	Georgiana Slough Habitat	This project will use a diverse planting scheme to improve tidal perennial aquatic habitat along the lower reaches of Georgiana Slough. Jeff Hart. Implementation. Project completed.
9	Delta	H			9 B. Status of restoration of 500 acres of tidal emergent wetland restoration in the East Delta	ERP-00-F02	Feb-00	Sep-04	131,980		131,980	Department of Fish and Game	Brad Burkholder		Canal Ranch Habitat Restoration Phase II	The alternatives developed in this planning phase will include and address tidal emergent wetland habitats. Brad Burkholder. The project has been delayed due to the desire of the DFG to ensure consistency between this effort and the larger Delta Regional Ecosystem Restoration Implementation Plan (DRERIP) outreach and planning efforts. The continued delay has been a result of that decision to ensure that efforts conducted on Canal Ranch is consistent with the DRERIP efforts. As you may know, that process is in progress but has shifted its focus to scientific review of the actions called out in the 2000 ERP documents. That effort involves external scientists vetting those actions and given the current freeze on external contracts, the timeline for that keeps getting pushed back.

MS Number	REGION	Project Type	Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT NUMBERS	CONTRACT		CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comments
							START DATE	END DATE								
9	Delta	H			9 B. Status of restoration of 500 acres of tidal emergent wetland restoration in the East Delta	ERP-02-P25	none listed	none listed	2,476,835	91,875 to 712,500	2,568,710 to 3,189,335	The Nature Conservancy	Lisbeth Jakobsen		McCormack-Williamson Tract Restoration: Wildlife-Friendly Levee Management	This project will eventually restore tidal freshwater wetlands by restoring tidal circulation to the leveed island. (1,654 acres). Lisbeth Jakobsen, TNC. Implementation. This project will result in resloping of additional levee miles on the property. The habitats will be upland and riparian on the land side of the levees. The contract has just been completed but work has yet to begin. The project could eventually contribute to the milestones identified but the future habitats and operation of the property is uncertain at this time due to the North Delta Improvements planning process. The property is being considered under a broader, multi-program effort so further implementation is uncertain at this time. There is also the need to do additional levee resloping to improve stability and habitat values before other modifications are made to the interior of the property such as breaching the exterior levees.
9	Delta	H			9 B. Status of restoration of 500 acres of tidal emergent wetland restoration in the East Delta	ERP-02-P12	Apr-03	Mar-06	1,800,000	0	1,800,000	Hart Restoration, Inc.	Jeff Hart	4.5 acres	Sustainable Restoration Technologies for Bay/Delta Tidal Marsh and Riparian Habitat	Restore 5,000 LF along Georgiana Slough. Jeff Hart, Hart Restoration, Inc. Implementation. Tidal emergent wetland: 4.5 acres. Project 33% completed.
9	Delta	H			9 B. Status of restoration of 500 acres of tidal emergent wetland restoration in the East Delta	ERP-97-N13	Jul-98	Dec-01	885,202	0	885,202	Hart Restoration, Inc.	Jeff Hart	5,000LF	Tyler Island Restoration	Use biotechnical bank and levee methods to protect and enhance 2,000 LF at Georgiana Slough and 3,000 LF at the North Fork Mokelumne River. Jeff Hart, Hart Restoration, Inc. Implementation. Restore SRA and riparian habitat along 4,500 ft of Georgiana Slough and 3,000 ft along Mokelumne River on Tyler Island; total 7,500 ft. Also 2.3 acres of tidal emergent wetland. Project completed.
9	Delta	H			9 C. Status of restoration of 4,000 acres of tidal emergent wetland restoration in the South Delta											
9	Delta	H			9 D. Status of restoration of 5,000 acres of tidal emergent wetland restoration in the Central and West Delta	ERP-97-N12	Dec-98	Dec-04	262,918	none	262,918	Moffatt & Nichol Engineers	Richard M. Rhoads	45 acres	Franks Track Restoration	Project planning to restore 45 acres of subtidal habitat to tidal perennial aquatic habitat. The project can be adapted to create mid-channel islands and shoals habitat. Located in the Central and West Delta. Planning, Project completed.
9	Delta	H			9 D. Status of restoration of 5,000 acres of tidal emergent wetland restoration in the Central and West Delta	ERP-98-C01	May-99	Dec-03	3,886,995	none	3,886,995	DWR	Curt Schmutte		Twitichell Island Category III Subsidence Reversal Demonstration Project	This project contributes to protection and enhancement of island habitat in the Delta. Curt Schmutte, DWR. Research/Implementation. Project has not been completed due to contracting difficulties.
9	Delta	H			9 D. Status of restoration of 5,000 acres of tidal emergent wetland restoration in the Central and West Delta	ERP-98-F09	Sep-99	Jun-00	25,000	none	25,000	Department of Fish and Game, Sacramento Valley-Central Sierra Region	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 considered tidal emergent wetland. The project is located in the Central and West Delta. Unspecified amounts will be restored. Ed Littrell, Department of Fish and Game, Sacramento Valley-Central Sierra Region. Planning. Project completed.
9	Delta	H			9 D. Status of restoration of 5,000 acres of tidal emergent wetland restoration in the Central and West Delta	ERP-02-C07-D	Jun-03	Dec-06	23,550,000	6,500,000	30,050,000	California State Coastal Conservancy	Mary Small		Dutch Slough Acquisition and Planning	Planning for restoration of up to 259 acres of intertidal marsh in the Central and West Delta. Mary Small . Acquisition only. Project completed.
9	Delta	H			9 D. Status of restoration of 5,000 acres of tidal emergent wetland restoration in the Central and West Delta	ERP-02-P12	Apr-03	Mar-06	1,800,000	0	1,800,000	Hart Restoration, Inc.	Jeff Hart	2.5 acres	Sustainable Restoration Technologies for Bay/Delta Tidal Marsh and Riparian Habitat	Restore 5,000 LF along Georgiana Slough. Jeff Hart, Hart Restoration, Inc. Implementation. Tidal emergent wetland: (MS 9D) 2.5 acres. Project 33% completed.

MS Number	REGION	Project Type	Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT NUMBERS	CONTRACT		CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comments
							START DATE	END DATE								
9	Delta	H			9 D. Status of restoration of 5,000 acres of tidal emergent wetland restoration in the Central and West Delta	ERP-02-P03D	none	none	23,550,000	12,000,000	37,050,000	California State Coastal Conservancy	Mary Small		Dutch Slough Acquisition and Planning	Purchase of 1,166 acres for purposes of open space and habitat, up to 259 acres potentially contribute to 9 D. <i>Mary Small. Planning Only. Project only 5% completed.</i>

MULTI SPECIES CONSERVATION STRATEGY MILESTONE 11 -- ROLLED UP SUMMARY																	
MILESTONE 11 -- Restore a minimum of 125 acres of channel islands and 125 acres of shoals in the Delta.					PROJECTS REVIEWED - ERP-97-N11, ERP-97-N12, ERP-01-N13		SUMMARY -- A few ERP contracts have funding planning projects for the restoration of less than 50 acres of channel islands and shoals in the Delta.							AGENCY NOTES --		NOTES CONT'D --	
MULTI SPECIES CONSERVATION STRATEGY MILESTONE 11 -- EVALUATION OF INDIVIDUAL PROJECTS REVIEWED TO FORMULATE THE 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	CONTRACT		CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comments	
							START DATE	END DATE									
11	Delta	H	Restore a minimum of 125 acres of channel islands and 125 acres of shoals in the Delta.		11 A. Status of restoration of 125 acres of channel islands	ERP-97-N11	Jul-98	Aug-99	270,270	none	270,270	Association of Bay Area Governments	Marcia Brockbank	4.5 acres	In Channel Island Restoration/Demonstration	Restore 4.5 acres of channel islands, Webb Tract 1 (Submerged Shoal), Webb Tract 2 (Emergent Shoal), Webb Tract 3 (Peat Island) and Little Tinsley Island in the Delta. Marcia Brockbank. Planning. Project completed. Non-CALFED projects: They are in the planning phase of restoring tidal marsh habitat to the area known as the former antenna field on Hamilton AFB. (MS 42A)	
11	Delta	H			11 A. Status of restoration of 125 acres of channel islands	ERP-97-N12	Dec-98	Dec-04	262,918	none	262,918	Moffatt & Nichol Engineers	Richard M. Rhoads	45 acres	Franks Track Restoration	Project planning to restore 45 acres of subtidal habitat to tidal perennial aquatic habitat. The project can be adapted to create mid-channel islands and shoals habitat. Located in the Central and West Delta. Planning, Project completed.	
11	Delta	H			11 A. Status of restoration of 125 acres of channel islands	ERP-01-N13	Jul-01	Jul-04	928,150	411,100	1,339,250	Association of Bay Area Governments	Marcia Brockbank	2159 LF	Demonstration Project for Delta In-Channel Islands	This project will install various combinations of biotechnical erosion control techniques on 3 ICIs to demonstrate their effectiveness in controlling shoreline erosion and the potential for accreting new fine sediments for habitat substrate. Marcia Brockbank, Association of Bay Area Governments. Implementation. Webb Tract #3 is not completed. They had to do an amendment since the floating log booms failed. Amendment is for 2 years. Will call back with proposed acreages.	
11	Delta	H			11 B. Status of restoration of 125 acres of shoals in the Delta	ERP-97-N12	Dec-98	Dec-04	262,918	none	262,918	Moffatt & Nichol Engineers	Richard M. Rhoads	45 acres	Franks Track Restoration	Project planning to restore 45 acres of subtidal habitat to tidal perennial aquatic habitat. The project can be adapted to create mid-channel islands and shoals habitat. Located in the Central and West Delta. Planning, Project completed.	

MULTI SPECIES CONSERVATION STRATEGY MILESTONE 12 -- ROLLED UP SUMMARY

MILESTONE 12 -- Develop and implement a program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the Eastside Delta Tributary EMZ		PROJECTS REVIEWED - ERP-96-M06, ERP-97-N14, ERP-98-B11, ERP-98-B17, ERP-98-C18, ERP-98-F19, ERP-99-C01/C02, ERP-99-N06, ERP-99-N15, ERP-01-N10, ERP-02-P49, AFRP-2000-18	SUMMARY -- Several ERP contracts and funds from other sources have been used to fund the development and implementation of a program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the Eastside Delta Tributary EMZ. Approximately 9,950 acres have been acquired, an additional 1179.8 acres is in the process of being acquired for restoration, and maintenance of riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along the Cosumnes and Mokelumne Rivers. Large portions are in various stages of planning and implementation; however specific amounts have not been documented. No contracts address restoration, and maintenance of riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along the Calaveras River.			AGENCY NOTES --	NOTES CONT'D --
--	--	--	--	--	--	------------------------	------------------------

MULTI SPECIES CONSERVATION STRATEGY MILESTONE 12 -- EVALUATION OF INDIVIDUAL PROJECTS REVIEWED TO FORMULATE THE 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	CONTRACT		CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comments
							START DATE	END DATE								
12	Delta	H	Develop and implement a program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along at least one tributary within the Eastside Delta Tributary EMZ		12 A. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along the Cosumnes River	ERP-96-M06	Oct-96	none listed	1,500,000	10,500,000	12,000,000	The Nature Conservancy	Michael R. Eaton	<4356 acres	The Valensin Ranch Acquisition and Restoration Project	Acquire 4,356 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. Unspecified amounts will be restored. Acquisition. Project completed. This grant was used for acquisition of the Valensin Ranch property. The acquisition protected approximately one half mile of riverine riparian habitat, 290 acres of aquatic and riparian habitat at Horseshoe Lake, and included about 75 acres of riparian restoration.
12	Delta	H			12 A. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along the Cosumnes River	ERP-97-N14	Oct-96	Sep-02	1,985,100	none	1,985,100	The Nature Conservancy	Michael R. Eaton	<2947 acres	Cosumnes Start-up Stewardship and Restoration	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.
12	Delta	H			12 A. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along the Cosumnes River	ERP-98-B17	Jul-98	Jul-02	5,356,000	none	5,356,000	The Nature Conservancy	Michael R. Eaton	<2247 acres	Cosumnes River Floodplain Acquisition	Acquisition project, will fund \$1,940,000 for the Park property (735 acres), \$1,460,000 for the Denier property (1,225 acres), and \$100,000 for the 287 acre Whaley property, a total of 2,247 acres. Mike Eaton, TNC. Acquisition; This grant was used for acquisition of the 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.

MS Number	REGION	Project Type	Milestone	ERP Targets taken from ERPP Vol 2	MS Components or Questions for field personnel	ERP PROJECT NUMBERS	CONTRACT		CALFED Award	Cost Share	Total Project Cost	Applicant	Principal Investigator	Quantifiable Units	Project Name	Comments
							START DATE	END DATE								
12	Delta	H			12 A. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along the Cosumnes River	ERP-02-P49	May-03	Mar-04	800,000	4,939,857	562,924	Sacramento Valley Conservancy	Aimee Rutledge	2054 acres	East Sacramento County Blue Oak Legacy Acquisition Area-Deer Creek Hills Project	Purchase a fee title interest of 2,054 acres of the Phase 1 Deer Creek Hills. Protects unspecified amount of Blue Oak woodland, vernal pool grassland, and riparian communities. Aimee Rutledge. Project complete.
12	Delta	H			12 A. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along the Cosumnes River	ERP-98-F19	Mar-99	Sep-01	750,000	none	750,000	The Nature Conservancy	Michael R. Eaton	<475.5 acres	Cosumnes River Acquisition, Restoration, Planning and Demonstration	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. 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.
12	Delta	H			12 A. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along the Cosumnes River	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	Cosumnes/Mokelumne Corridor Floodplain Acquisition, Management, and Restoration Planning	Task 1, subtask 1) acquire Valley Oak Vineyard Tract (122.07 acres); subtask 2) acquire 409 acres of Nuss Farms Property; subtask 3) acquire Giovannoni Property 648.77 acres. Total acreage is 1179.8. 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.
12	Delta	H			12 A. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along the Cosumnes River	ERP-98-C18	Dec-98	Nov-01	24,000	0	24,000	CDWR	Derrick Adachi		HAZMAT Review for ERP Land Acquisitions	DWR will oversee or evaluate the work of outside consultants and contractors to ensure the all applicable regulatory requirements and standard operating procedures for environmental site assessments and remedial actions are complied with. DWR will also provide or conduct environmental site assessment activities. Derrick Adachi, DWR. Planning. Project completed.
12	Delta	H			12 A. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along the Cosumnes River	ERP-99-C01/C02	none listed	Mar-04	1,007,800	none	1,063,600	The Nature Conservancy	Michael Eaton		Lower Cosumnes-Mokelumne Rivers Feasibility Study	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).
12	Delta	H			12 A. Status of program to establish, restore, and maintain riparian habitat to improve floodplain habitat, salmonid shaded riverine aquatic habitat, and instream cover along the Cosumnes River	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 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.

