

ERP DIRECTED ACTION
Suisun Marsh Land Acquisition and
Tidal Marsh Restoration

Reference
Ecosystem Restoration Program
Prop 50 Bond Funded
Project No. DFG-06####

Prepared by:
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PART A. Cover Sheet

A1. Proposal Title:

Suisun Marsh Land Acquisition and Tidal Marsh Restoration

A2. Lead Applicant or Organization:

Contact Name: Frank Wernette, Environmental Program Manager I, Ecosystem Restoration Implementation Program.
Agency: California Department of Fish & Game, Central Valley Bay-Delta Branch
Address: 4001 North Wilson Way, Stockton, CA 95205
Phone Number: 209-948-7800
Fax Number: 209-946-6355
E-mail: fwernette@delta.dfg.ca.gov

A3. Project Manager or Principal Investigator

Contact Name: Laurie Briden, Senior Wildlife Biologist
Agency : California Department of Fish & Game, Central Valley Bay-Delta Branch
Address: 4001 North Wilson Way, Stockton, CA 95205
Phone Number: 209-948-7800
Fax Number: 209-946-6355
E-mail: lbriden@delta.dfg.ca.gov

A4. Cost of Project:

\$1,046,400.00

One Million, Forty-Six Thousand, Four Hundred Dollars and No Cents.

A5. Cost Share Partners:*

Suisun Marsh Preservation Agreement (SMPA) funds to be determined.

SMPA Agencies include:

California Department of Water Resources
California Department of Fish and Game
Suisun Resource Conservation District
U.S. Bureau of Reclamation
U.S. Fish and Wildlife Service

A6. List of Subcontractors:*

Terri Gaines, Environmental Specialist IV,
Department of Water Resources
Environmental Services Office, Suisun Marsh Branch
3251 S Street, Sacramento, CA 95816-7017

Phone: 916-227-7541
Fax: 916-227-7554
E-mail: tgaines@water.ca.gov

Steve Chappell, Executive Director
Suisun Resources Conservation District
2544 Grizzly Island Road, Suisun, CA 94585-9539
Phone: 707-425-9302
Fax: 707-425-4402
E-mail: srcd@direcway.com

A7. Other Cooperators:*

Lee Laurence, Resources Management Project Officer,
US Bureau of Reclamation (BOR), US BOR MP-400
2900 Cottage Way, Sacramento, CA 95825
Phone: 916-978-5193
Fax: 916-978-5290
E-mail: llaurence@mp.usbr.gov
Task 2 - Public Notification and Site Selection
Participate on TAC.

Cecilia Brown, Fish & Wildlife Biologist
U.S. Fish and Wildlife Service (USFWS),
2800 Cottage Way, Sacramento, CA 95825
Phone: 916-414-6600
E-mail: Cecilia.Brown@fws.gov
Task 2 - Public Notification and Site Selection
Participate on TAC.

A8. Project Topic Area*

Primary: Shallow water, tidal and marsh habitat
Secondary: Upland Habitat and Wildlife Friendly Agriculture

A9. Project Type*

Primary: Acquisition (or easement)
Secondary: Not Applicable

PART B. Executive Summary

B1. Proposal Title: Suisun Marsh Land Acquisition and Tidal Marsh Restoration

B2. Project Description:

We propose to acquire up to 500 acres of land in western/northern Suisun Marsh, Solano County which will meet specific selection criteria for ultimately restoring to tidal wetland (See Section E5- Property Map for area targeted). This acquisition is part of a larger long-term marsh restoration/management project under the Suisun Charter Implementation Plan (SCIP), currently in initial stages of development by the applicant agencies. Funds would be used to further its goals. We will implement tidal wetland restoration element of SCIP along with seasonal wetland management activities authorized under a Regional General Permit and partially funded through Suisun Marsh Preservation Agreement. DFG will acquire parcel(s); DFG/SRCD/DWR will hold fee title(s)/conservation easement(s), depending upon location(s)/proximity to existing landholdings. We will select lands based on established Environmental Coordination Advisory Team (ECAT) selection criteria, in accordance with SCIP. In Subsequent phases we will restore tidal influence and re-create natural/historic elevations/topography, soil conditions, and plant communities throughout the entire elevational range to restore tidal marsh.

This project will benefit special status species as designated by the federal Endangered Species Act and the California Endangered Species Act such as the salt marsh harvest mouse, Suisun shrew, California clapper rail, black rail, Chinook salmon, northwestern pond turtle, American bittern, and several other migrating species.

The project meets many of the goals and objectives of the California Bay-Delta Authority (Authority), Ecosystem Restoration Program Plan (ERPP) for Suisun: restoring 5,000-7,000 acres of tidal marsh within seven years.

PART C. Work Plan

C1. Project Background and Information:

Historically, Suisun Marsh and Bay (Suisun) included more than 68,000 acres of tidal wetlands. Over 90% of these wetlands were diked and drained for conversion to agricultural uses, beginning in the mid-1800's. A series of dry years resulted in increased salinity in Suisun, which limited production/success of the farms. Many farms failed and most were replaced by waterfowl hunting clubs. Water quality degraded further when the Central Valley Project came on line in the 1940s, and then again when the State Water Project and CVP began Delta diversions to San Luis Reservoir in the 1970s. Today, most of the levees originally constructed for agricultural reclamation form part of the infrastructure for managing water levels in seasonal nontidal (managed) wetlands (Goals Project 1999). Many diked wetlands in The Suisun Marsh have progressively subsided and suffered from lack of adequate drainage. This, coupled with

increased water salinity, has contributed to increased soil salinity, which impacts wetland habitat quality and increases maintenance costs.

Currently, Suisun Marsh is the Estuary's largest contiguous protected area. However, after more than 100 years of land reclamation, few areas remain with natural flows and elevations. Many linear miles of tertiary channels have been lost, which are important spawning and rearing areas for native fish and are used for feeding and resting by some waterbirds. Of the natural channels that remain, most have degraded natural habitat values from loss of the tidal prism, dredging, levee confinement, isolation from the marsh plain, high water flow, and poor water quality. Tidal marshes, which were once the most common habitat type in the Bay/Delta system, are now restricted to remnant, disjunct patches. Most of the remaining brackish marshes in Suisun lack certain attributes of fully-functioning saline and brackish emergent wetlands.

Numerous documents and many agencies have recommended tidal restoration in Suisun. The Suisun Marsh Protection Plan (1977) recommends wetland restoration for agricultural lands within the management zones of Suisun: "Where feasible, historic marshes should be returned to wetlands status, either as tidal or managed wetlands. If, in the future, some of the managed wetlands are no longer needed for waterfowl hunting, they should be restored as tidal marshes." The ERPP of the Authority identifies more specific recovery measures, to restore tidal action to 5,000 to 7,000 acres in the Suisun Marsh within seven years of its initiation (ERPP 1999). The Baylands Ecosystem Habitat Goals recommends restoration of tidal marsh in the Suisun subregion, with a specific recommendation of more than doubling the area of tidal marsh to between 30,000 and 35,000 acres (Goals Project 1999). The Suisun subregion includes the Suisun Marsh and the Contra Costa shoreline, which extends from west of the Carquinez Strait to east of Pittsburg and includes Browns and Sherman Island.

In 1987, the Suisun Marsh Preservation Agreement (SMPA) was executed by the California Department of Water Resources (DWR), California Department of Fish and Game (DFG), Suisun Resource Conservation District (SRCD), and U.S. Bureau of Reclamation (BOR). The objective of this agreement is to assure that a dependable water supply is maintained to mitigate adverse effects on Suisun Marsh of the SWP (State Water Project) and the CVP (Central Valley Project) and a portion of the adverse effects of other upstream diversions. In 1995, the SMPA agencies began negotiations that culminated in 1998 of a proposed Amendment Three to the SMPA, to implement certain actions in lieu of large facilities originally anticipated in the SMPA. Subsequently, the SMPA agencies together with U.S. Fish and Wildlife Service developed the Suisun Marsh Charter, which has the goal of developing a regional plan for Suisun, balancing implementation of the Authority program with the SMPA and other management and restoration programs in a manner responsive to the concerns of stakeholders and based upon voluntary participation by private landowners. Implementation of the Suisun Charter Implementation Plan (SCIP) will help achieve the Authority's objectives to protect water quality and water supply, improve levee stability, and protect and restore the ecosystem. The SCIP will integrate tidal wetland restoration goals and seasonal wetland management activities. Funding, permitting, and implementing a cost-share program, portable pumps, a Water Manager Program, and other activities will help ensure long-term operation of the waterfowl hunting clubs and management of their seasonal wetlands.

To help achieve these goals, the applicants intend that this project (land acquisition with future tidal marsh restoration) would move forward, through the acquisition of property under this grant, with the implementation of seasonal wetland management activities authorized under a Regional General Permit and funded in part through the SMPA. This would ensure that SCIP implementation moves forward in an equitable manner that benefits all parties.

C2. Project Goals and Objectives:

This project is designed to address ERP Goals No. 1, 2, 4, 5, and 6.

The purchase or conservation easement will permanently protect and increase the area of self-sustaining, fully functioning tidal marsh in Suisun. The specific objectives of this project are to (1) acquire parcel(s) in northern or western Suisun that are contiguous with or in close proximity to existing tidal wetlands, (2) restore these parcel(s) to a self-sustaining tidal marsh that includes the full elevational range from slough channel to low marsh, middle marsh, high marsh, transitional zones, and upland areas, and (3) assist in the recovery of at-risk species. Implementation of this project will partially fulfill the ERP's and the Goals Project's vision and restoration targets for Suisun Marsh, as well as the Authority's stated objectives for Suisun.

Acquisition of parcel(s) in Suisun will improve the health of the Bay-Delta ecosystem, benefit numerous at-risk species, and yield broad ecosystem benefits. The project assists in achieving 6 CALFED **ERP** Goals and 18 of the Goal-related objectives (CALFED 1999).

C3. Approach/Methodology:

In phase I, potential parcels for acquisition will be identified. The SRCD or DWR will notify landowners and obtain permission prior to conducting any appraisals. Prices offered for parcels will be in compliance with state land acquisition standards and procedures. Land will be purchased only from willing sellers and offers made will be based on an approved appraisal and existing market value. We will acquire up to 500 acres of land in Suisun Bay. The Contractor, DWR, or SRCD will hold all fee title(s)/ conservation easement(s) resulting from this project, with the stipulation that the areas are protected in perpetuity. Parcels will be located in northeast Suisun Bay, with the exact location dependant upon willing sellers. The choice of this area for restoration was based upon the high potential benefit for native and at-risk species, contiguity with non-urban or similarly-managed lands, the low potential for conflict with neighboring land use, and the low risk of downstream flooding.

C4. Tasks and Deliverables:

This project has been broken down into eight (8) tasks with subtasks and list of deliverables per task.

Task 1 Project Management and Administration

The Contractor shall provide all technical and administrative services associated with performing and completing the work for this project.

The Contractor shall provide all quarterly progress reports, invoices, and scheduled deliverables as indicated in Exhibit A - Attachment 1- Schedule and List of Deliverables.

Subtask 1.1 Technical Oversight and Administrative Management

Contractor shall provide all technical and administrative services associated with performing and completing the work for this project. Technical and administrative tasks shall include: project management, budgeting, scheduling, coordination, crew supervision, report preparation, contract management, invoicing, data collection, storage and analysis, subcontract management, and all other tasks that may be necessary to complete the scope of work specified in this agreement.

Subtask 1.2 Quarterly Progress Reports

Prepare and submit quarterly progress reports in electronic form using ERP's progress report format shown as Exhibit A – Attachment # 2. Each progress report shall detail work accomplished, discuss any problems encountered, and recommend potential solutions to those problems; detail costs incurred during the subject quarter, and document delivery of any intermediate work products. A brief outline of upcoming work scheduled for the subsequent quarter should also be provided. The reports will describe project progress and identify and resolve potential issues of concern before they have an adverse effect on the project schedule and/or budget. Progress reports must be submitted by the 10th day of the month following each calendar quarter (April, July, October, January) throughout the duration of the project.

Subtask 1.3 Data Management

The Contractor shall prepare and submit all data generated by the project (including deliverables throughout the term) for input into the ERP's data system.

Task 1 Deliverables:

- Quarterly Progress Report in Excel and Microsoft Word format
- Any invoices and subcontract documentation, if subcontractors are used
- Data Management Log with final data

Task 2 Public Notification and Site Selection

Subtask 2.1 Formation of a Technical Advisory Committee (TAC)

Contractor shall form a Technical Advisory Committee (TAC) to oversee the progress and technical aspects of the project. The TAC shall include the Contractor's Contract Manager and other representatives and the project collaborators, which include representatives from SRCD, DWR, USFWS and BOR, as agreed upon by the Contractor and the Authorities ERP Contract Manager. The Contractor shall guide the overall management of the project through periodic reviews with the TAC. The TAC will guide the public outreach, property selection and

evaluation. Contractor will maintain records of TAC evaluations and decisions, support materials, and action items.

Contractor will document TAC meetings by preparing a summary of each meeting that includes the following materials: meeting agenda, attendance record, and meeting minutes. Additional activities of the TAC are described in the appropriate tasks below.

Subtask 2.2 Public Notification

Subcontractor SRCD will act as the lead, with the assistance of Contractor and/or DWR, to notify local landowners of Contractor's interest in obtaining land for restoration to tidal marsh, and to obtain permission to access areas prior to performing a property selection process and conducting appraisals. Notification of landowners may take place at the scheduled SRCD board meetings, through direct mailings, or by other means as deemed necessary (i.e. briefings, news releases etc.). Interested parties will also be able to comment on the EIS for acquired lands. Contractor will maintain records of public notifications, property owner contacts, and property information.

Subtask 2.3 Property Selection with Elevation Survey

The TAC will evaluate potential properties using the ECAT selection criteria, in accordance with the SCIP, to determine the optimum parcel(s) for restoration and to ensure that connectivity, biological richness and historical importance, and feasibility are maximized. As part of the site selection Subcontractor DWR will perform a cursory level preliminary elevation survey of the subject property to ensure that tidal restoration is achievable. The level of detail for the preliminary elevation survey will be determined by the TAC. SRCD will ensure that the location of the project is consistent with local general plans.

Task 2 Deliverables:

- List of TAC members (agencies & representatives)
- TAC Meeting Summaries
- Record of public notifications
- Copy of site selection survey
- Copy of preliminary elevation survey

Task 3 Environmental Compliance and Permitting

Subtask 3.1 CEQA Compliance

This project is Categorical Exempt under Class 13 - 15313 Acquisition of Lands for Wildlife Conservation Purposes. "Class 13 consists of the acquisition of lands for fish and wildlife conservation purposes including (a) preservation of fish and wildlife habitat, (b) establishing ecological reserves under Fish and Game Code Section 1580, and (c) preserving access to public lands and waters where the purpose of the acquisition is to preserve the land in its natural condition." Contractor will serve as the lead agency for CEQA purposes for this project.

Subtask 3.2 Other Required Permits and Approvals

If the subject property is under an "Agricultural Preserve", designated open space or under the Williamson Act, the Contractor will contact the city or county that administers the preserve and the Department of Conservation. These parties will be notified 30 days prior to the decision on the acquisition. The parties will then have 30 days from notification to submit written comments on the proposed project.

SRCD will obtain any permission to access private property for TAC review.

Task 3 Deliverables:

- Copy of the Notice of Exemption stamped from the State Clearinghouse
- Copies of comments concerning land purchase by county agencies.
- Copies of permission to access private property

Task 4 Pre-Property Acquisition: Surveys and Appraisal

Subtask 4.1 Title Report and Property Appraisal

Prior to the appraisal Subcontractor Wildlife Conservation Board (WCB) will order a preliminary title report and investigation. WCB will perform a "Complete Appraisal" and self-contained report. The process of collecting, confirming, and reporting data for the appraisal shall include, but not be limited to: a physical and/or aerial inspection of the subject property, a review of applicable documents from the Solano County Planning Department and Assessor's Office, a review of public records, and an analysis to form a market value of the property for purposes of negotiation and acquisition.

Subtask 4.2 Relocation

If property is occupied then WCB will contract with DGS to conduct a relocation study, and perform the relocation and coverage of expenses. One relocation effort, budgeted for at \$20,000, has been included in this Recipient Agreement, Exhibit B-Attachment 1, "Budget Summary and Detail Breakdown." If relocation is not necessary, Contractor shall submit a written request to transfer funds between tasks to use for additional land acquisition.

Task 4 Deliverables:

- A full appraisal of the subject property(s)
- Copy of WCB and DGS approvals
- A relocation study, if needed

Task 5 Pre-Property Acquisition: Purchase Contract, Approval & Survey

Subtask 5.1 Property Acquisition

WCB will conduct all negotiations with the landowner, prepare and enter into a purchasing contract/agreement with landowner, prepare all paperwork, and prepare a statement of just compensation.

Subtask 5.2 Approval of Project

Subcontractor WCB will attend the earliest WCB Board meeting for approval of the project and acceptance of subject property. The appraisal will then be sent to CBDA for approval. Once approved by CBDA, the appraisal will be forward to DGS for review and approval.

Subtask 5.3 Escrow & Contaminant Survey

In conjunction with the purchasing process by WCB, a Phase 1 study (contaminant survey) will be performed by Subcontractor DWR or WCB. Assuring a clean contaminant report, WCB will manage the escrow account, obtain all documents for the purchase of the property, and address any other matters needed to complete the purchase of the subject property once the State approves the acquisition package (Task 6).

Task 5 Deliverables:

- Purchase contract/agreement (submit with Task 6 Acquisition Package)
- Phase 1 Study (contaminant survey) (submit with Task 6 Acquisition Package)

Task 6 Land Acquisition

Subtask 6.1 Prepare and submit acquisition package for State approval

All acquisitions of interests in real property require approval of an acquisition package by the State, including a determination that the purchase price of the real property interest represents no more than the fair market value based on State approval of the appraisal. Contractor shall submit the following “Acquisition Package”:

1. Appraisal (submitted under Task 4, prior to the remainder of the acquisition package, to allow sufficient time for review)
2. Option agreement (or purchase agreement as applicable) (See Task 5)
3. Draft grant deed or draft conservation easements (as applicable)
4. Preliminary title report
5. Survey (if applicable)
6. Phase 1 Environmental Assessment Report, and any other environmental testing or reports obtained for purchase of the real property interest (See Task 5)
7. Completed CBDA Land Acquisition Questionnaire (Exhibit A - Attachment 4 or 5 as applicable)

Subtask 6.2 Submission of Invoice for Payment into Escrow/Close Escrow

Upon the State’s approval of the acquisition package, Contractor’s subcontractor WCB shall open an escrow account with Stewart Title of Sacramento, as set forth below, and submit a

written invoice for no more than \$815,000 for the capital cost of acquisition. The invoice shall be submitted no later than 45 days prior to the scheduled close of escrow.

Name of Escrow Company: Stewart Title of Sacramento
Name of Escrow Agency: Gale Gregson
Address: 1495 River Park Drive, Suite 300, Sacramento, CA 95815
Telephone Number: 916-925-6204
Facsimile Number: 916-925-6248

No 10% retention shall be required for “land acquisition only” invoices.

Subtask 6.3 Record Real Estate Documents

Upon close of escrow, Contractor’s subcontractor WCB shall record the Grant Deed (or Conservation Easement as applicable) and the Memorandum of Unrecorded Grant Agreement in the Official Records of Solano County.

Task 6 Deliverables:

- Real Estate Acquisition Package
- Copies of subcontracts and all documents used for the acquisition of the subject property
- Copy of Recorded Real Estate Documents

Task 7 Stewardship—Property Management

Contractor will prepare an interim management plan for the selected property until restoration can be completed. Interim management may include: water management, levee and water control structure maintenance/repair, fencing and signage, and non-native plant/animal control.

Task 7 Deliverable:

- Interim Management Plan
- Additional information/details and map as needed

Task 8 Project Closure

Submit Project Closure Summary Report document to summarize project accomplishments. Submit Final Invoice for payment.

Task 8 Deliverables:

- Project Closure Summary Report, final invoicing, and supporting documentation.

C5. Subcontractors:

- Department of Water Resources (DWR)

Task 2 - Public Notification and Site Selection

Participate on TAC, assist in public notification of local land owners, perform a preliminary elevation survey of subject property.

Task 5 – Pre-Property Acquisition: Purchase Contract, Approval & Survey

Perform a Phase 1 Study (Contaminant survey).

- Suisun Resource Conservation District (SRCD)

Task 2 - Public Notification and Site Selection

Participate on TAC, act as lead on public notification of local land owners.

C6. Work Schedule

All work will be completed and the funds disbursed into an escrow account no later than December 31, 2009.

C7. Special Equipment and Supplies Required:

There is no special equipment or supplies needed for this acquisition. Water control structures and pipes may be needed under the Stewardship Task (7).

C8. Project Impacts (beneficial or adverse):

There are no adverse impacts associated with this project. Acquiring land, by either fee title and/or conservation easement, will insure permanent protection of up to 500 acres of land in the Suisun Marsh. Further, the acquisition/easement will ensure the protection and preservation of wetlands from non-agricultural uses (i.e., development from the expanding Suisun City/Fairfield area), provide connectivity of wetlands and buffer habitat from intensive agricultural areas.

C9. Stakeholders and Interested Parties:

Interested stakeholders include the U.S. Fish and Wildlife Service, U.S. Bureau of Reclamation, the California Department of Fish and Game, the California Department of Water Resources, the Suisun Resource Conservation District, and adjacent property owners.

C10. Consistency with CALFED ERP Goals:*

1). Identify Project Applicability to Eco-Elements

Primary: Saline Emergent Wetlands

Secondary: Seasonal Wetlands

2). Identify Project Applicability to ERP Goals and Objectives:

Goal 1: Conservation Endangered and Other At-risk Species and Native Biotic Communities

The proposed purchase/easement meets Objective 1, 2, 3, and 4.

Acquisition and restoration of land in Suisun to tidal emergent wetland would greatly contribute to the establishment of self-sustaining populations and recovery of at-risk species in Suisun and the Delta. Species which may benefit from restoration of land in Suisun Marsh include: Western pond turtle, Sacramento splittail, salt marsh harvest mouse, California black rail, California clapper rail, Suisun song sparrow, Mason's lilaepsis, Suisun thistle, and soft bird's beak.

Goal 2: Ecological Processes

The proposed purchase/easement meets Objective 1, 2, 3, 5, 6, and 8.

Restoration of tidal influence to parcel(s) by levee alteration (breach or leveling) in Suisun would facilitate recovery of natural floodplains and flood processes by re-establishing regular inundation; aid in re-establishing a hydrodynamic regime that favors native species and natural habitats by providing nutrient exchange, food web support, and rearing habitat; and increase estuarine productivity by increasing acreage of productive shallow-water marshes and reducing turbidity in open-water regions of the estuary.

Goal 3: Harvested Species

The proposed purchase/easement meets Objective 1, 2, and 3.

This project will maintain or enhance fish, waterfowl, and upland species for recreational harvest and non-consumptive recreation.

Goal 4: Habitats

The proposed purchase/easement meets Objective 1, and 3.

Acquisition of land in Suisun Marsh is the first step toward achieving objectives 1 and 3 for habitat, which include restoration of major habitat types in the Delta /Bay, increasing the area of tidal marsh via levee breaching or removal, and protecting wetland habitats.

Goal 5: Non-native Invasive species

The proposed purchase/easement meets Objective 7.

We will incorporate actions to reduce or eliminate negative impacts of currently present nonnative species and measures to prevent their future establishment into the long-term management strategy for this acquisition and restoration.

Goal 6: Water and Sediment Quality

CALFED BAY-DELTA PROGRAM
Ecosystem Restoration Program
Directed Action Proposal

Suisun Resource Conservation District (\$16,500)	Task 2 - Assist with public notification, participate on TAC and site selection	\$ 6,500
Dept. of Water Resources (DWR) (\$23,500)	Task 2 - Assist with public notification, participate on TAC and site selection Conduct preliminary elevation survey Task 5 - Conduct contaminant survey (Phase 1 study)	\$ 7,500 \$ 10,500 \$ 5,500
U.S.Fish & Wildlife Service (USFWS)	Task 2 - Participate in TAC (Paid for outside this contract with USFWS's own source of funds.)	\$ -
U.S.Bureau of Reclamation (BOR)	Task 2 - Participate in TAC (Paid for outside this contract with BOR's own source of funds.)	\$ -
Equipment Costs	Estimated breakdown of property management equipment costs for water control structure with gates, pipes, property gate, etc. depending on property maintenance needs.	\$ 10,000
Other Direct Costs	Capital Costs of Land Acquisition (Task 6)	\$ 815,000
Total Direct Costs		\$ 1,013,100
Indirect Costs	Overhead rate of 16.81% Applies to all direct costs except land acquisition (ODC) . Indirect cost rate includes: Workman's Comp, Admin. Support costs (Accounting, Budgets, Contracts, Business Services), Insurance, Disability, facilities, and IT support.	\$ 33,300
TOTAL CONTRACT BUDGET		\$ 1,046,400

The funding required to complete this scope of work is \$1,046,400, all of which will be contributed through the Proposition 50 grant that is the subject of this Agreement except for costs for the U.S Fish and Wildlife Service (USFWS) and the U.S. Bureau of Reclamation (BOR) to participate in the Technical Advisory Committee (TAC) under Task 2. This effort will be paid for outside this contract with each agency's own source of funds.

PART E. Project Location Information

E1. Project Location:

The proposed location is the western and northern Suisun Marsh, east of Highway 680 and west of Shiloh Road, in Solano County (See property map for area targeted). The exact location will be dependant upon willing sellers.

E2. County or Counties Project is Located In:

Solano County

E3. ERP Eco-Region, Eco-Zone, and Eco-Unit Project is Located In:*

ERP Eco-Region: Bay Region

ERP Eco-Zone: Suisun Marsh and North San Francisco Bay

ERP Eco-Unit: Fairfield, 2.1

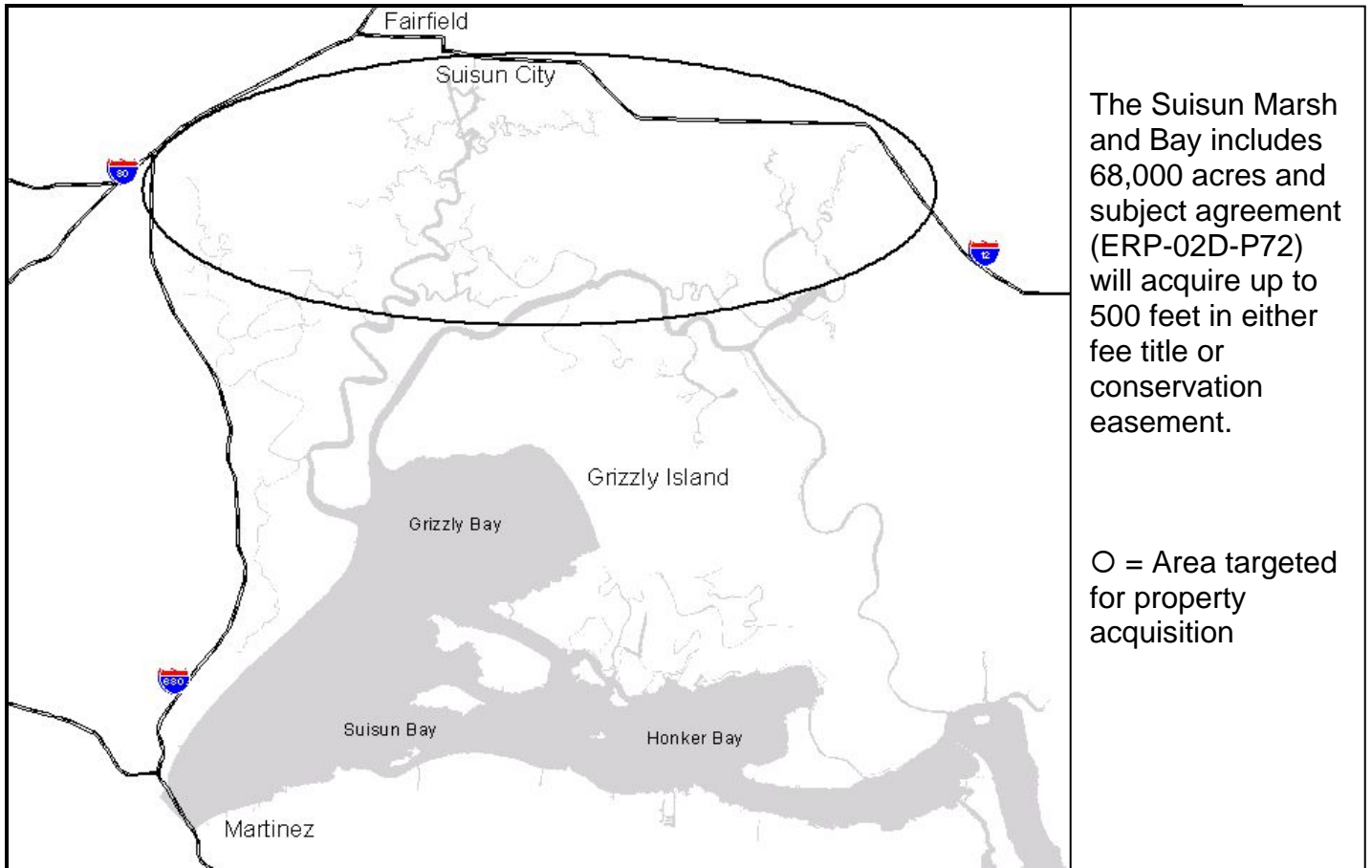
E4. Project Centroid:

Latitude/Longitude Coordinates

38.1889954/-121.9172287

E5. Project Map:

Suisun Marsh



E6. Digital Geographic File:*

See attached file.

E7. Congressional District:

Congressional Representative District 7
California State Assembly District 8
California State Senate District 4

PART F. Environmental Information

F1. CEQA/NEPA Compliance

1). Will this project require compliance with CEQA, NEPA, both, or neither:*

This project is categorically exempt from CEQA and the requirements of NEPA.

(*). See Attachment 1 for Instructions.

2). Is your project covered by either a Statutory or Categorical Exemption under CEQA or a Categorical Exclusion under NEPA:*

This project is Categorical Exempt under Class 13 - 15313 Acquisition of Lands for Wildlife Conservation Purposes. "Class 13 consists of the acquisition of lands for fish and wildlife conservation purposes including (a) preservation of fish and wildlife habitat, (b) establishing ecological reserves under Fish and Game Code Section 1580, and (c) preserving access to public lands and waters where the purpose of the acquisition is to preserve the land in its natural condition."

3). If your project requires additional CEQA/NEPA analysis, please indicate which type of documents will be prepared:

No Analysis is Required

4). If the project will require CEQA and/or NEPA compliance, identify the lead agency(ies).

Not Applicable

5). If your project is not covered under items 2 or 3, and you checked no to question 1, please explain why compliance is not required for the actions in this proposal:

Not Applicable

6). If the CEQA/NEPA process is not complete, please describe the estimated timelines for the process and the expected date of completion:

Not Applicable

7). If the CEQA/NEPA document has been completed, what is the name of the document:

Not Applicable

F2. Environmental Permitting and Approvals

Please indicate what permits or other approvals may be required for the activities contained in your proposal and which have already been obtained. Please indicate all that 1) are needed, and 2) if needed, have been obtained:

There are no permits needed for this project to complete the purchase or conservation easement.

PART G. Land Use Questionnaire

G1. Land Use Changes

1). Do the actions in the proposal involve physical changes in the land use, or potential future changes in land use:

Yes, future tidal restoration

2). How many acres of land will be subject to a land use change under the proposal:

Up to 500 acres.

3). Is the land subject to a land use change in the proposal currently under a Williamson Act contract (Yes/No):

Unknown

4). For all lands subject to a land use change under the proposal, describe what entity or organization will manage the property and provide operations and maintenance services.

The Contractor, SRCD, or DWR will manage the property and provide operations and maintenance services.

5). Does the applicant propose any modifications to the water right or change in the delivery of the water (Yes/No):

- If yes, please describe the modifications or changes:

In future phases, after planning is completed, bayward levees will be breached or graded down to restore the full tidal prism onto the site. Landward levees will be reinforced where necessary to reduce erosion and prevent flooding of neighboring parcels.

G2. Current Land Use and Zoning

1). What is the current land use of the area subject to a land use change under the proposal:

The current land use of the area will not change because of this proposal.

2). What is the current zoning and general plan designation(s) for the property:

The current zoning in the target area is marsh preservation. The current general plan designation in the target area is marsh.

3). How is the land categorized on the Important Farmland Series (IFL) maps (published by the California Department of Conservation):

Unknown, however, if the subject property is under an "Agricultural Preserve", designated open space or under the Williamson Act, the Contractor will contact the city or county that administers the preserve and the Department of Conservation. These

parties will be notified 30 days prior to the decision on the acquisition. The parties will then have 30 days from notification to submit written comments on the proposed project.

G3. Land Acquisition

1). Will the applicant acquire any land under the proposal, either in fee or through a conservation easement (Yes/No):

- If yes, describe the number of acres that will be acquired and whether the acquisition will be of fee title or a conservation easement:
- Total number of acres to be acquired under proposal:
- Number of acres to be acquired in fee:
- Number of acres to be subject to conservation easement:

The proposed project will acquire up to 500 acres in fee or conservation easement.

2). For land acquisitions (fee title or easements), will existing water rights be acquired (Yes/No):

Yes

G4. Land Access

1). Will the applicant require access across public or private property that the applicant does not own to accomplish the activities in the proposal (Yes/No):

- If yes, attach written permission for access from the relevant property owner(s).

We will obtain permission to access any properties that meet selection criteria prior to conducting any activities on-site. Only willing sellers will be approached to obtain permission for access.

PART H. Qualifications

H1. Qualifications

(List professional qualifications of all participating researchers).

Department of Fish and Game

Frank Wernette: Environmental Program Manager I, Ecosystem Restoration Implementation Program.

Education/Experience: B.S. in Wildlife Management. Supervisor of the Water Project Planning and Evaluation Unit. Responsible for the evaluation of proposed State Water Project water storage and conveyance projects throughout the State. Over twenty-five years experience in Suisun issues.

Department of Water Resources

Terri Gaines: Environmental Specialist IV, Suisun Marsh Branch, Environmental Services Office.

Education/Experience: B.A in social Ecology with emphasis on Environmental Planning; Graduate work in Watershed Management. Over eight years in Suisun coordinating planning and restoration activities, preparing environmental documentation and permits. Lead of CALFED funded ERP project for land acquisition and tidal restoration in Suisun. Facilitator, SMPA ECAT. Contract manager for SMPA Individual Ownership Management Plan Cost-Share Program.

Chris Enright: Senior Engineer, Chief, Suisun Marsh Planning Section.

Education/Experience: B.S. in Environmental Engineering; Professional Engineer, Civil Engineer. Responsible for evaluation and engineering analysis of salinity control measures in Suisun. Assists Suisun Levee Investigation Team in modeling. Over twelve years experience planning, leading and implementing modeling analyses of hydrodynamics and water quality in the Delta.

Suisun Resource Conservation District

Steven Chappell: Executive Director

Education/Experience: B.S. in biological Science, Minor in Chemistry. SRCD represents and assists Suisun Marsh private landowners at federal, state, and local levels. Mr. Chappell has participated in numerous Suisun Marsh planning and regulatory programs including the Baylands Ecosystem Goals Project, the Suisun Ecological Workshop, Suisun Marsh Environmental Coordination Advisory Team, and the Suisun Marsh Charter Process. On a daily basis, the SRCD assists landowners in the implementation of various Suisun Marsh wetlands restoration and enhancement projects, seasonal wetland management, maintenance of water control facilities, and landowner education of beneficial programs and property management techniques.

U.S. Bureau of Reclamation

Lee Laurence: Special Projects Officer, Resources Management Division

Education/Experience: B.A. in Social Science. Over thirty-five years experience in California water resource issues.

U.S. Fish and Wildlife Service

Cecilia Brown: Fish and Wildlife Biologist, Coast/Bay/Delta Branch, Endangered Species Division.

Education/Experience: B.S. in Biological Sciences. Over five years in endangered species issues in Suisun and San Francisco Bay. Active participant in the Suisun Charter group since 1999.