

99B-156

I.

PSP COVER SHEET (PAGE 1 of 2)

Proposal Title: South Napa River Tidal Slough and Floodplain Restoration Project
 Applicant Name: City of American Canyon - John Wankum
 Mailing Address: 2185 Elliott Drive, American Canyon, CA 94589
 Telephone: (707) 647-4366
 Fax: (707) 642-1249
 Email: _____

Amount of funding requested: **Phase 2:** \$1,520,000 for 2 years

Indicate the Topic for which you are applying (check only one box).

- | | |
|---|---|
| <input type="checkbox"/> Fish Passage Assessment | <input type="checkbox"/> Introduced Species |
| <input checked="" type="checkbox"/> Habitat Restoration | <input type="checkbox"/> Fish Management/Hatchery |
| <input type="checkbox"/> Local Watershed Stewardship | <input type="checkbox"/> Environmental Education |
| <input type="checkbox"/> Water Quality | |

Does the proposal address a specified Focused Action? X yes _____ no

What county or counties is the project located in? Napa County

Indicate the geographic area of your proposal (check only one box):

- | | |
|---|---|
| <input type="checkbox"/> Sacramento River Mainstream | <input type="checkbox"/> East Side Trib: |
| <input type="checkbox"/> Sacramento Trib: _____ | <input type="checkbox"/> Suisun Marsh and Bay: |
| <input type="checkbox"/> San Joaquin River Mainstream | <input checked="" type="checkbox"/> North Bay/South Bay: |
| <input type="checkbox"/> San Joaquin Trib: _____ | <input type="checkbox"/> Landscape (entire Bay-Delta watershed) |
| <input type="checkbox"/> Delta: _____ | <input type="checkbox"/> Other: |

Indicate the primary species which the proposal addresses (check no more than two boxes):

- | | |
|--|---|
| <input type="checkbox"/> San Joaquin and East-side Delta tributaries fall-run chinook salmon | <input checked="" type="checkbox"/> Spring-run chinook salmon |
| <input checked="" type="checkbox"/> Winter-run chinook salmon | <input checked="" type="checkbox"/> Fall-run chinook salmon |
| <input checked="" type="checkbox"/> Late-fall run chinook salmon | <input checked="" type="checkbox"/> Longfin smelt |
| <input checked="" type="checkbox"/> Delta smelt | <input checked="" type="checkbox"/> Steelhead trout |
| <input checked="" type="checkbox"/> Splittail | <input checked="" type="checkbox"/> Striped bass |
| <input checked="" type="checkbox"/> Green sturgeon | <input type="checkbox"/> All chinook species |
| <input checked="" type="checkbox"/> Migratory birds | <input type="checkbox"/> All anadromous salmonids |
| <input checked="" type="checkbox"/> Other: <u>Resident birds</u> | |

Specify the ERP strategic objective and target(s) that the project addresses. Include page numbers from January 1999 version of ERP Volume I and II:

Project meets targets described on pages 143-146 of ERPP Volume II and strategic objectives 1 and 2.

COVER SHEET (PAGE 2 of 2)

Indicate the type of applicant (check only one box):

- | | |
|---|---|
| <input type="checkbox"/> State agency | <input type="checkbox"/> Federal agency |
| <input type="checkbox"/> Public/Non-profit joint venture | <input type="checkbox"/> Non-profit |
| <input checked="" type="checkbox"/> Local government/district | <input type="checkbox"/> Private party |
| <input type="checkbox"/> University | <input type="checkbox"/> Other: |

Indicate the type of project (check only one box):

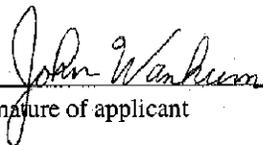
- | | |
|-------------------------------------|--|
| <input type="checkbox"/> Planning | <input checked="" type="checkbox"/> Implementation |
| <input type="checkbox"/> Monitoring | <input type="checkbox"/> Education |
| <input type="checkbox"/> Research | |

By signing below, the applicant declares the following:

- (1) The truthfulness of all representations in their proposal;
- (2) The individual signing the form is entitled to submit the application on behalf of the applicant (if applicant is an entity or organization); and
- (3) The person submitting the application has read and understood the conflict of interest and confidentiality discussion in the PSP (Section 2.4) and waives any and all rights to privacy and confidentiality of the proposal on behalf of the applicant, to the extent as provided in the Section.

John Wankum, Public Works Director

Printed name of applicant



Signature of applicant

II. TITLE PAGE

CALFED BAY DELTA PROGRAM ECOSYSTEM RESTORATION PROJECT AND PROGRAMS

Response to Proposal Solicitation Package April 16, 1999

Title of Project: South Napa River Tidal Slough and Floodplain Restoration Project

Applicant: City of American Canyon
2185 Elliott Drive
American Canyon, CA 94589-1331
Phone: (707) 647-4366
Fax: (707) 642-1249

Contact Person: John Wankum, Public Works Director

Type of Organization: Incorporated City

Tax Status: Non-Exempt

Tax Identification Number: 68-0264744

**Participants/
Collaborators:** City of American Canyon

California Department of Fish and Game (CDFG)
Carl Wilcox, (707) 944-5525
Napa County Land Trust
John Hoffnagle, (707) 252-3270
Port of Oakland
Marcel Conrad, (510) 577-4256
South Napa Waste Management Authority
Trent Cave, (707) 253-4471
Coastal Conservancy
Nadine Hitchcock, (510) 286-1015
U.S. Army Corps of Engineers
Karen Rippey, (415) 977-8537
Natural Resource Conservation Service
Robyn Myers, (707) 553-8088
Ducks Unlimited, Inc.
Holly Hopkins Andree, (916) 852-2000

III. EXECUTIVE SUMMARY

A. PROJECT DESCRIPTION AND PRIMARY BIOLOGICAL/ECOLOGICAL OBJECTIVES

The City of American Canyon is in the process of acquiring 453 acres of wetlands adjacent to North Slough and the Napa River, from the Port of Oakland, using 1998 CALFED funding. The proposed project will restore this important area to tidal marsh. In addition, the City will donate an additional 58 acres of adjacent wetlands and upland to this restoration effort, and create a visitors' viewing area and interpretive program on the east side of the Napa River near its mouth with San Francisco Bay. Not less than 70% of the project lands would be granted in fee title to the CDFG to manage as a wildlife area. The City would retain fee-title ownership of up to 30% of the project lands, and manage those lands in a manner compatible with CALFED objectives.

The project site is unique in that it defines the historic edge of the Bay, and has a largely intact system of tidal sloughs, which are largely cut-off from tidal action by a levee at the confluence of North Slough and the Napa River. During the 1997 floods, a small breach in one levee was formed, thereby allowing partial tidal influence. This breach has not yet been repaired. The project will allow the restoration of tidal marsh - contiguous with adjacent natural upland transition areas - creating a unique habitat for several CALFED priority species. Restoration of tidal wetlands would be achieved by removal of approximately 30 acres of City-owned sewage ponds, breaching existing levees along the Napa River, restricting cattle grazing, and creating wetlands in upland areas. This project would contribute to the restoration of priority habitats, including tidal perennial aquatic habitat, saline emergent wetland habitat, tidal sloughs, seasonal wetlands, and perennial grasslands. The restoration of these habitats would provide ecological benefits for many target species, including delta smelt, splittail, Chinook salmon, California clapper rail, California black rail, salt marsh harvest mouse, shorebirds, wading birds and waterfowl, and others.

B. APPROACH/TASKS/SCHEDULE

Project coordination and management will be accomplished by a committee consisting of City and agency personnel. Consultants would complete necessary environmental documentation and permitting, conduct preliminary project design work, and begin restoration work by breaching levees and removing sewage ponds. The complete project could be completed in two years.

C. JUSTIFICATION FOR PROJECT AND FUNDING BY CALFED

Funding from CALFED in the previous round made the acquisition of the Port of Oakland property possible. Without additional funding from CALFED, it is unlikely that the proposed restoration project will occur. Continued use of the American Canyon sewage treatment ponds would preclude restoring the area to full tidal action, since tidal action would endanger the pond levees and increase the risk of a sewage release. With CALFED funding, a unique habitat would be protected and improved, Ecosystem Restoration Program Plan (ERPP) objectives would be supported, habitat for sensitive priority species would be restored and conserved. The project will likely address CALFED's Water Quality and Levee System Integrity objectives as well.

D. BUDGET COSTS AND THIRD-PARTY IMPACTS

Budget costs for CALFED funding are itemized below by task. No third-party impacts are anticipated to result from the proposed project; however, the breaching and/or removal of levees will be conducted in consultation with flood control agencies, in particular the U.S. Army Corps of Engineers, and adjacent property owners, to ensure that there are no adverse flooding impacts.

Phase 1 Tasks – Previously Funded by CALFED in 1998		Cost per Task
1.1	Acquisition of Port of Oakland property fee title and easement transfers. Appraisal underway; acquisition projected to close on July 1, 1999	\$1,400,000
1.2	Preliminary design for levee breaches, pond removal and restoration of City property, Port of Oakland property restoration and wetland creation, and creation of viewing area and new levees. Underway	\$40,000
1.3	Environmental constraints study. Underway	\$15,000
Phase 1 Total		\$1,455,000
Phase 2 Tasks – Requested Additional CALFED Funding		
2.1	CEQA / NEPA documentation	\$250,000
2.2	Permitting	\$40,000
2.3	Final design plans and specifications for earthwork/demolition/restoration work	\$100,000
2.4	Breach levees, restore tidal action	\$330,000
2.5	Remove wastewater pond levees	\$380,000
2.6	Restoration of Port of Oakland upland	\$150,000
2.7	Construct viewing/educational area facilities	\$60,000
2.8	Construct new levees to protect City facilities	\$120,000
2.9	Environmental monitoring (short and long term)	\$90,000
Phase 2 Total		\$1,520,000
Total 1999 Request from CALFED		\$1,520,000

E. APPLICANT QUALIFICATIONS

A highly qualified team, led by John Wankum, the City of American Canyon Public Works Director, has been assembled to carry out the proposed project. An organizational chart detailing team members is attached as Figure 3. The team, consisting of City staff and technical experts from Environmental Science Associates and HydroScience Engineers, has successfully completed projects of similar magnitude and complexity throughout California.

F. MONITORING AND DATA COLLECTION

The City will oversee monitoring efforts once the project has been completed with the work being done by City personnel, consultants, or the CDFG. Data will feed into an adaptive management plan that will guide the on-going management of the tidal marsh. A monitoring program will be in place for the life of the project with initial support from CALFED funds, and long-term support from CDFG resources.

G. LOCAL SUPPORT/COORDINATION WITH OTHER PROGRAMS

The proposed project enjoys support from the City of American Canyon, CDFG, the Napa County Land Trust, the San Francisco Bay Joint Venture, the Port of Oakland, the Natural Resource Conservation District, and the U.S. Army Corps of Engineers. This restoration effort will be closely coordinated with the continued restoration and management of CDFG's Napa Sonoma Marsh complex located immediately to the south of the project site.

IV. PROJECT DESCRIPTION

A. DESCRIPTION

The City of American Canyon is proposing to restore tidal wetlands adjacent to the Napa River, the second largest source of freshwater flows to San Francisco Bay. These lands are in the process of being acquired from the Port of Oakland by the City of American Canyon (Phase I of the project) as a result of CALFED funds that were obtained in 1998. The land is currently undeveloped with the exception of about 30 acres of sewage ponds owned by the City. This land would be donated to the restoration effort given the City's plans to develop a new wastewater treatment plant to the north outside of the 100-year floodplain. The proposed project would re-establish the tidal influence to these lands by breaching levees and removing the wastewater ponds to restore the area to tidal marsh. Associated areas would be restored and enhanced to valuable upland habitat.

CALFED funding for this work, Phase 2 of the project, would support the restoration of tidal flow to 2.3 miles of historic slough habitat, and the restoration of nearly 483 acres of wetlands and uplands. The proposed project would expand the floodplain function of the Napa River by adding an additional 483 acres of levied lands (453 acres of Port of Oakland property plus 30 acres of City owned wastewater ponds) into active floodplain by removing levees and expanding the culverts under the access road. Berms surrounding the four wastewater treatment ponds would be removed, and the 30 acre pond area would be restored to natural floodplain.

THE FOLLOWING COMPONENTS ARE INCLUDED IN PHASE 2 OF THE PROJECT:

- **Wastewater pond removal and restoration.** 30 acres of existing City-owned sewage ponds that are located on a 58 acre City-owned parcel will be restored as part of this project. Restoration would consist of excavating and removing the berms that form the ponds, grading the area to mimic natural topographic contours, and planting appropriate vegetation in the disturbed area. Some of the access road to the ponds may also be removed as part of this process.
- **Levee Breaching.** Existing levees in two locations would be removed:
 - At the confluence of North Slough and the Napa River. At this location, the historical slough discharge point has been completely blocked-off from the Napa River except for a 60-inch-diameter gated culvert. The levees blocking the confluence will be removed, allowing tides to move in and out of the main North Slough channel.
 - On the south side of the Port of Oakland property. This levee separates the Port of Oakland property from adjacent lands owned by the State (DFG). The levee would be pushed into an adjacent ditch (most likely the original source of the levee fill material) to create a seamless topographic transition between the Port of Oakland property and the Fish and Game property to the south. At this time, tides are muted on the Fish and Game property due to a break in this levee. Removal of this levee would result in an improvement to tidal action on both the Fish and Game property and the project site.
- **Wetland Creation and Restoration.** Restoration of tidal action will have a beneficial effect on project site wetlands. Further wetland enhancement and creation is proposed via topographic contouring and planting of vegetation. A wetland creation and enhancement plan will be prepared as part of the project. This

plan will be prepared in consultation with DFG, U.S. Fish and Wildlife Service, Army Corps of Engineers, and other participating and/or jurisdictional agencies.

- **Flood Protection.** Restoration of full tidal flows may endanger City facilities on the eastern edge of the project area. If determined to be necessary, a levee will be constructed around this small (under 5-acre) area. Construction of levees would protect the City's corpyard from flooding.
- **Public Access/Education.** The existing access road to the City's wastewater ponds will be re-used as public access to a wetland/wildlife viewing area. The viewing area would be located somewhere adjacent to the roadway, and could be constructed using fill from the berms that form the wastewater ponds.

B. SCOPE OF WORK

A series of tasks, as listed below, would be carried out to implement Phase 2 of the project. The tasks funded in Phase 1 included property acquisition, and preliminary design for levee breaches, pond removal and restoration of both the City and Port properties. Tasks under Phase 2 include environmental documentation and permitting, planning, design, construction and monitoring of the restoration project.

PHASE 1: LAND ACQUISITION, PRELIMINARY DESIGN (FUNDED BY CALFED IN 1998)

- Acquisition of Port of Oakland property fee title and easement transfers (in-process).
- Preliminary design for levee breaches, pond removal and restoration of City property, and Port of Oakland property restoration and wetland creation (in-process).

PHASE 2: PLANNING AND RESTORATION (REQUEST FUNDING)

These tasks would be performed by consultants retained by the City, however, the City would act as project manager throughout completion of Phase 2 and be responsible for oversight of the short-term monitoring program.

- CEQA / NEPA documentation
- Permitting
- Final design plans and specifications for earthwork/demolition/restoration work
- Breach levees, restore tidal action
- Remove wastewater pond berms
- Construct new levees to protect City facilities
- Restoration of Port of Oakland upland
- Construct viewing/educational area facilities
- Monitoring and data collection (short- and long-term)

C. LOCATION AND GEOGRAPHIC BOUNDARIES OF THE PROJECT

The project area is located within the City of American Canyon in greater unincorporated Napa County. The proposed wetland restoration area is adjacent to North Slough, a tributary to the Napa River near its mouth with the Bay. The Napa River is the second largest contributor of freshwater flows to San Francisco Bay. Figures 1 and 2 illustrate the project location.

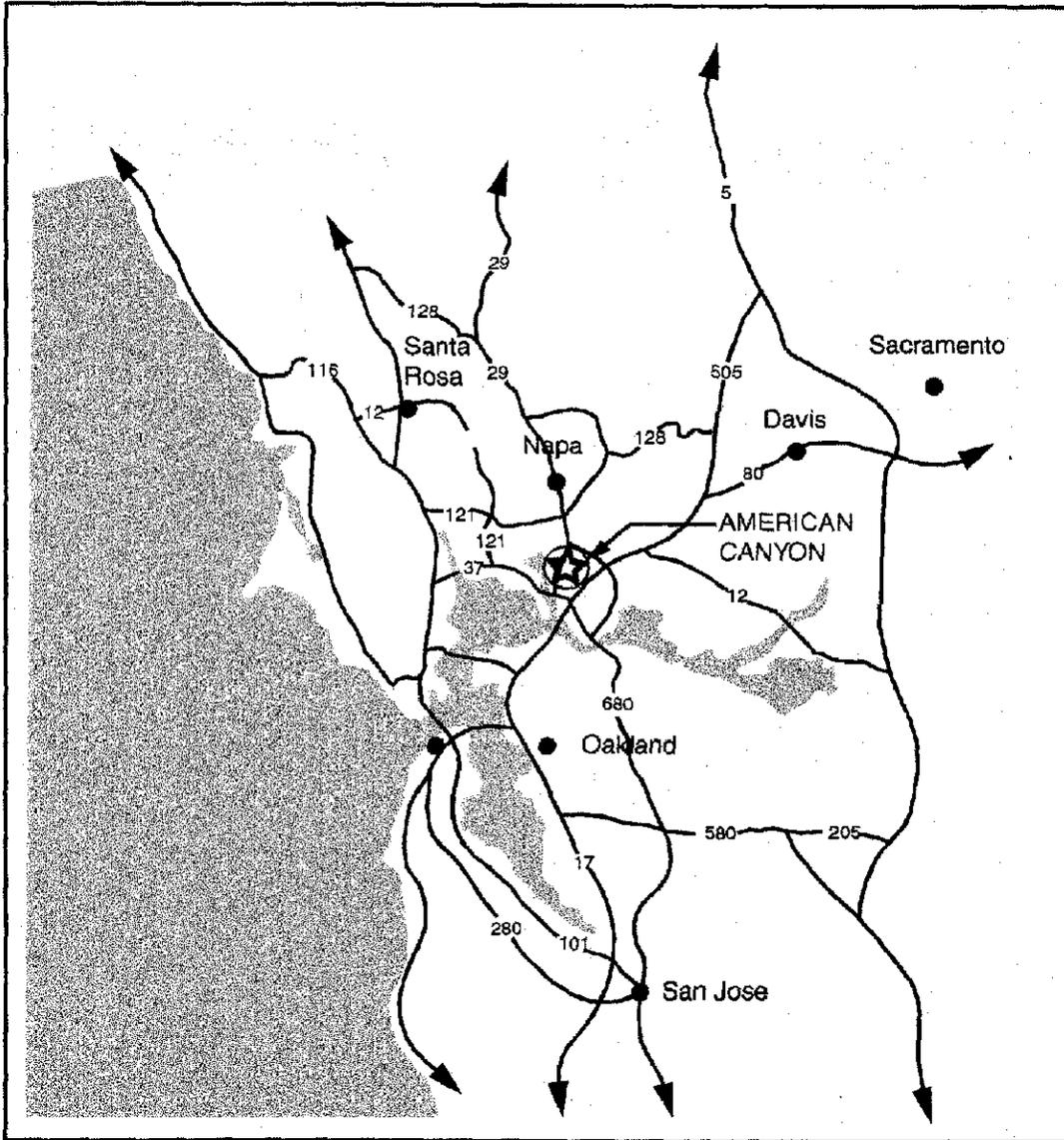


Figure 1
Project Location

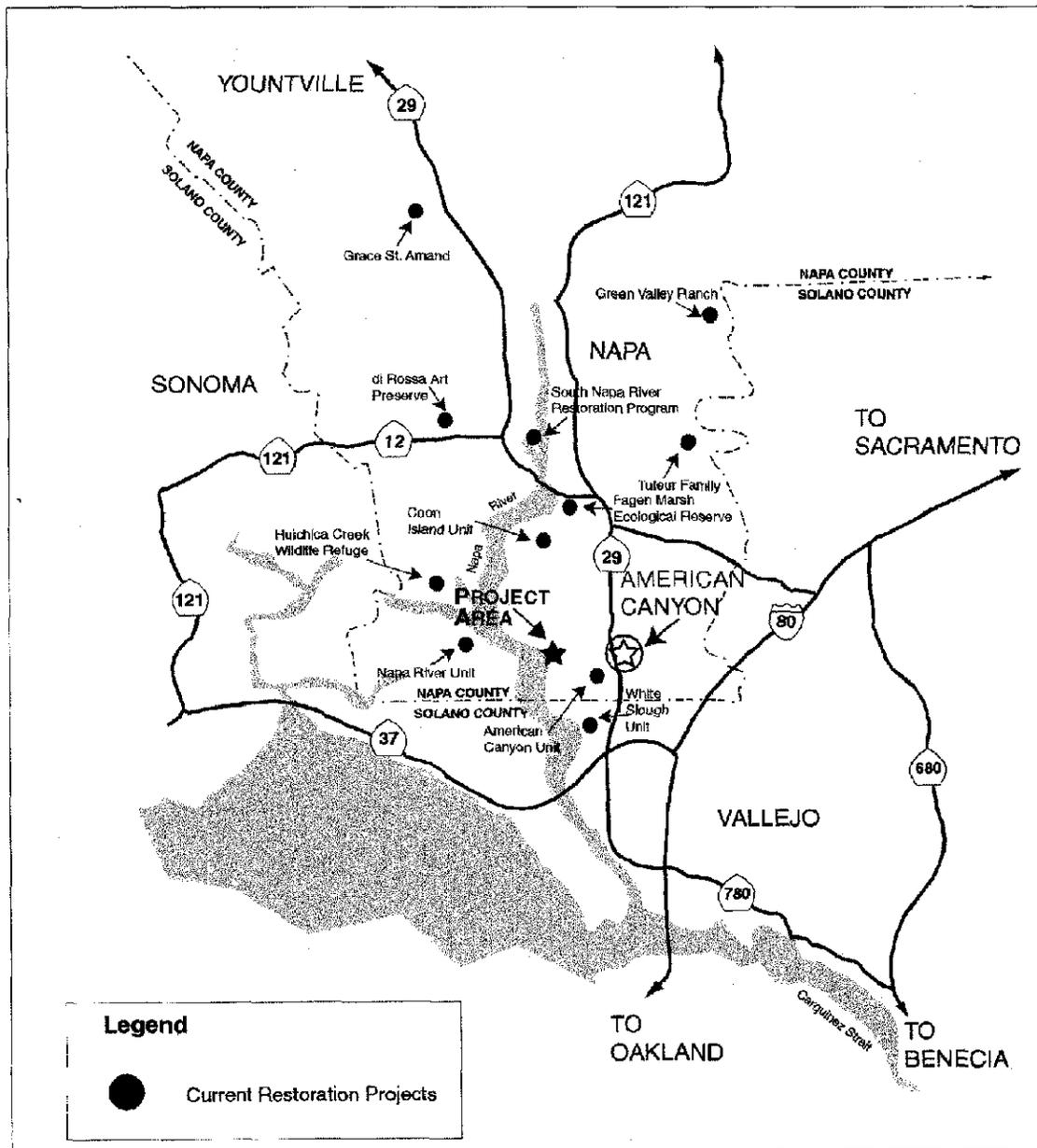
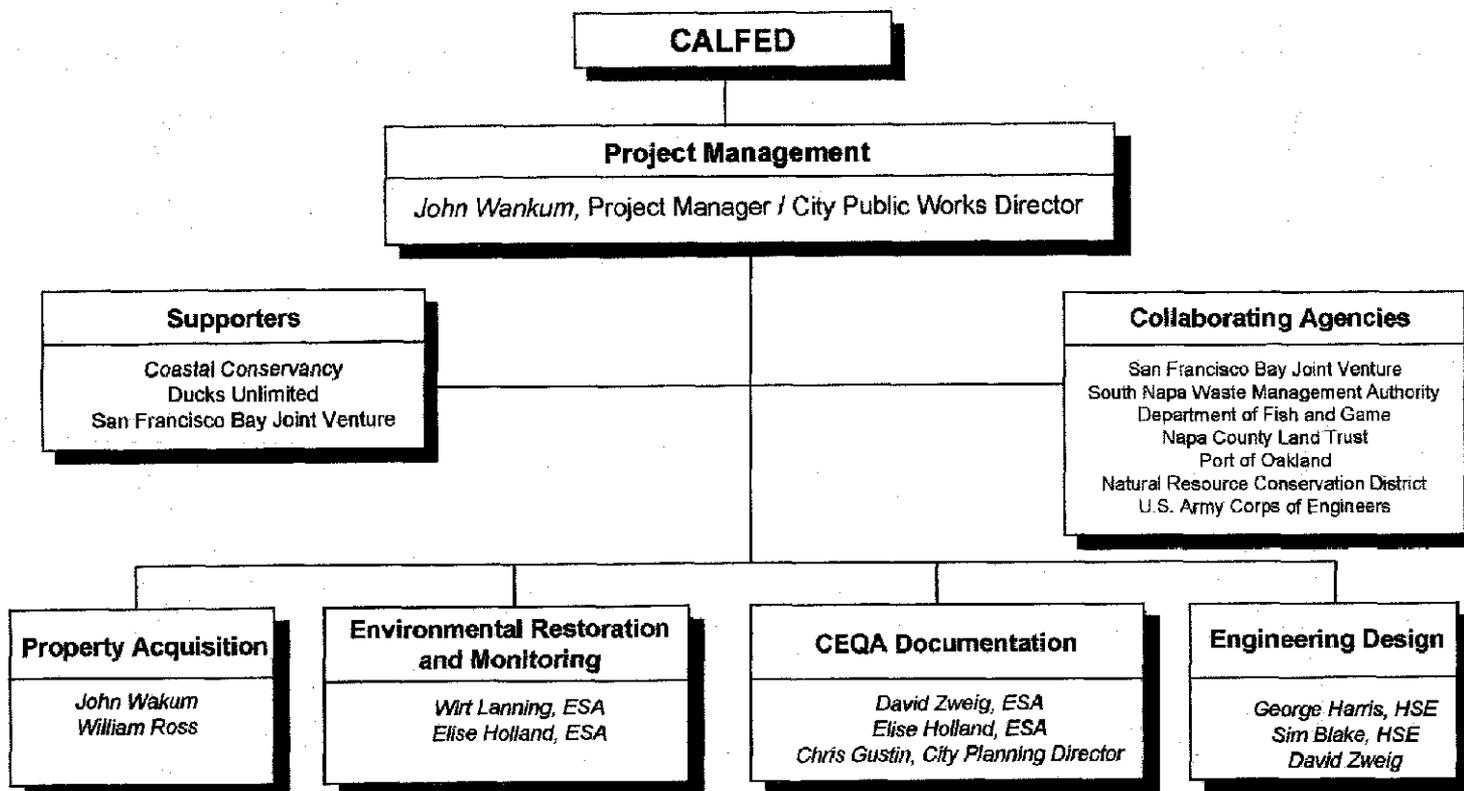


Figure 2
Project Area

ORGANIZATION CHART

SOUTH NAPA RIVER TIDAL SLOUGH AND FLOODPLAIN RESTORATION PROJECT



ESA = Environmental Science Associates

HSE = Hydrosience Engineers

Figure 3
Project Organization Chart

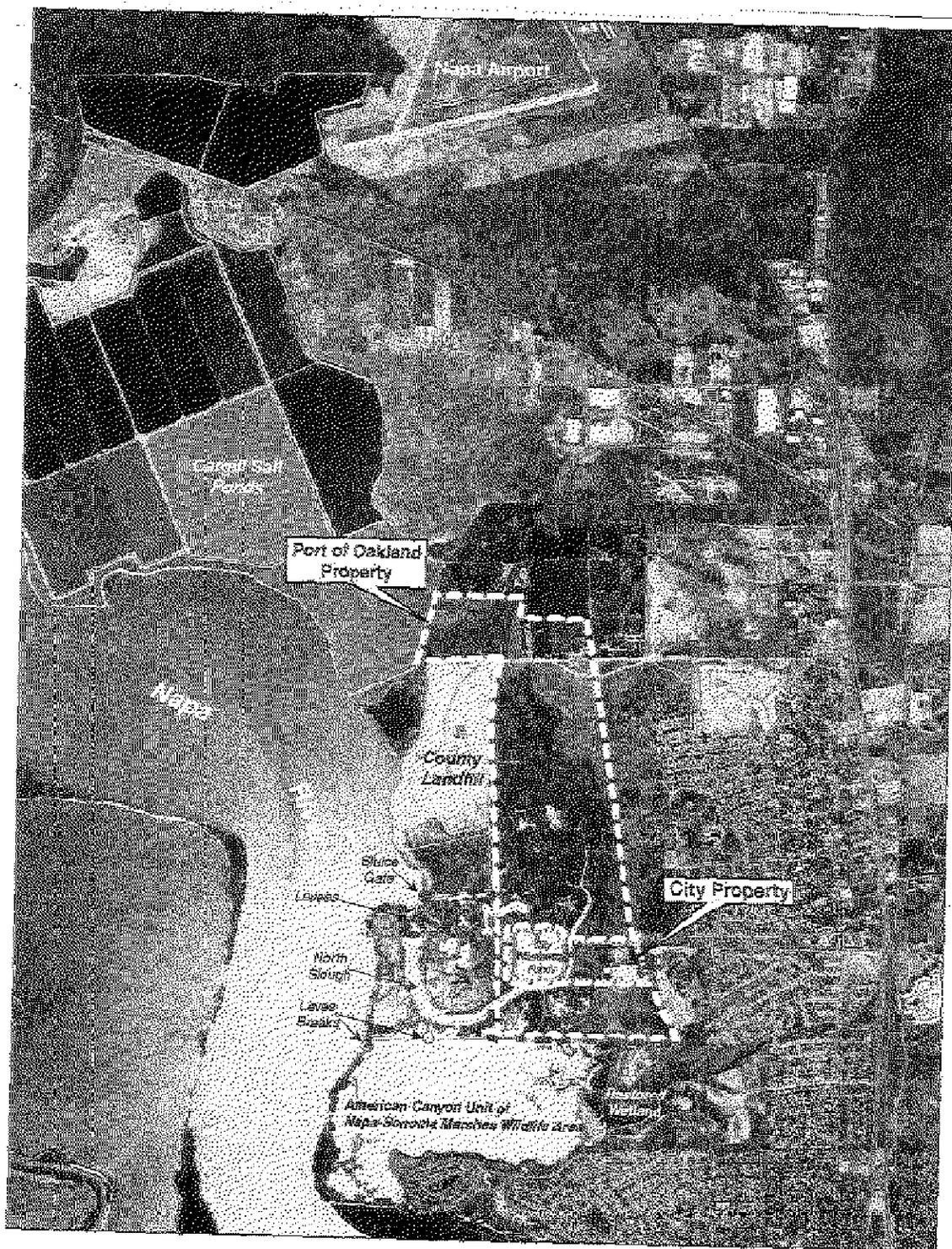


Figure 4
Aerial Photo of Project Area

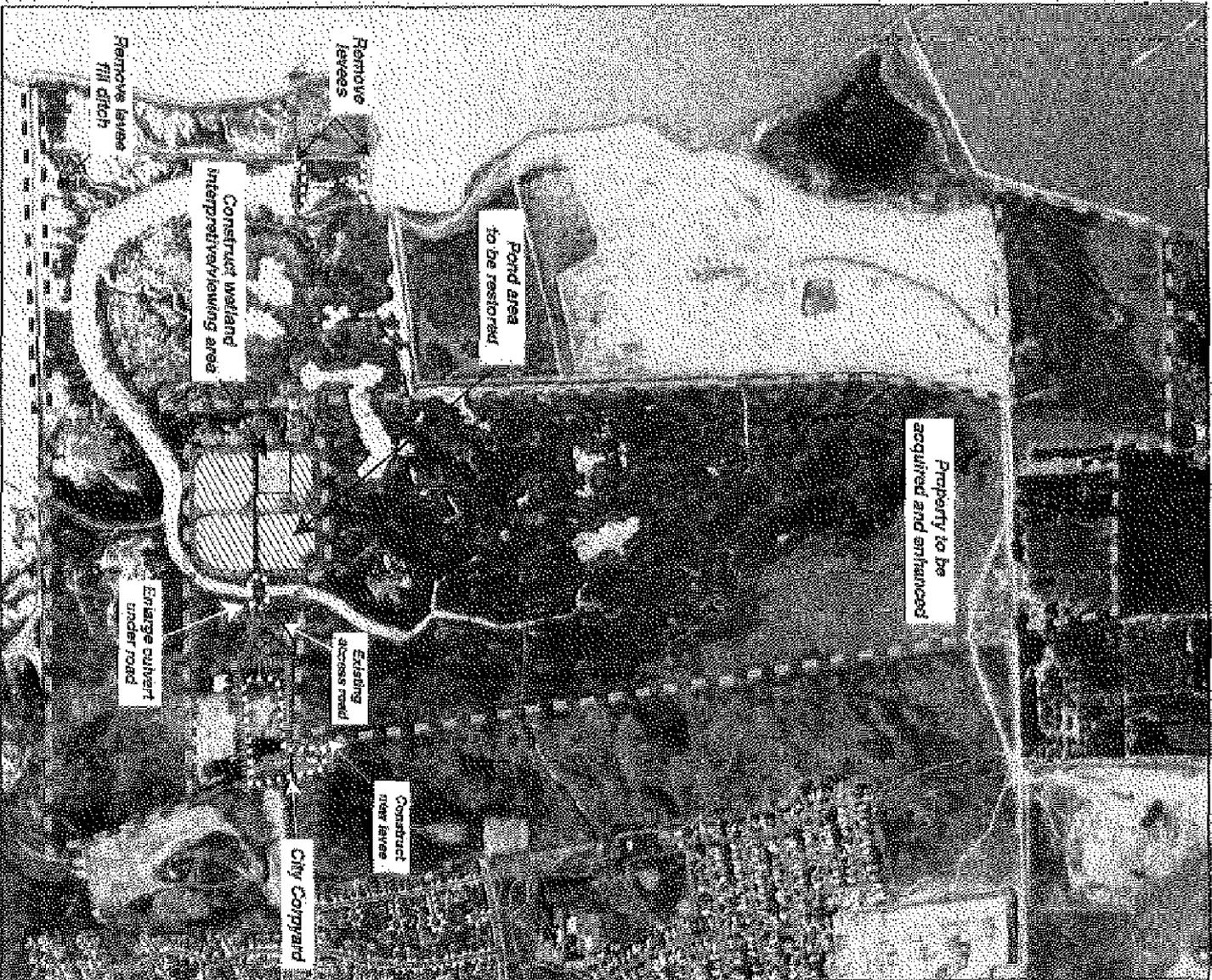
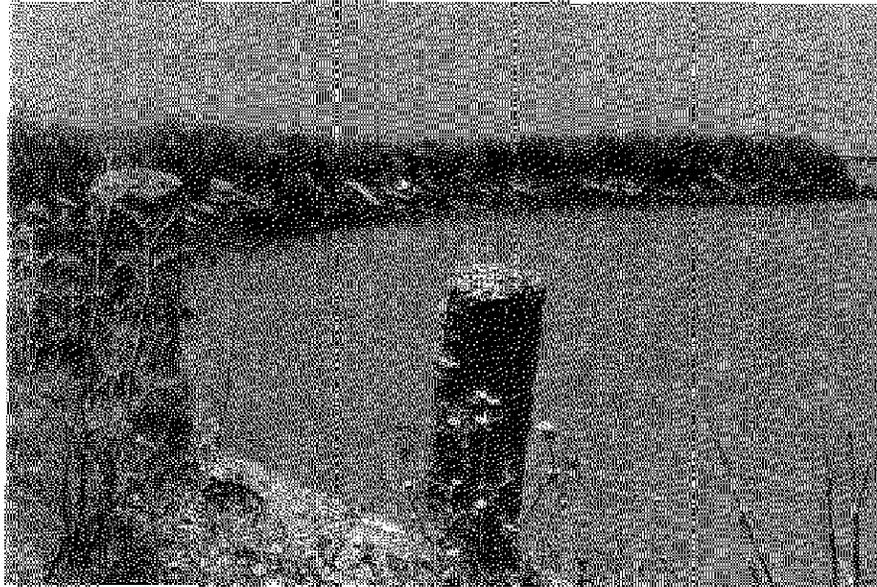
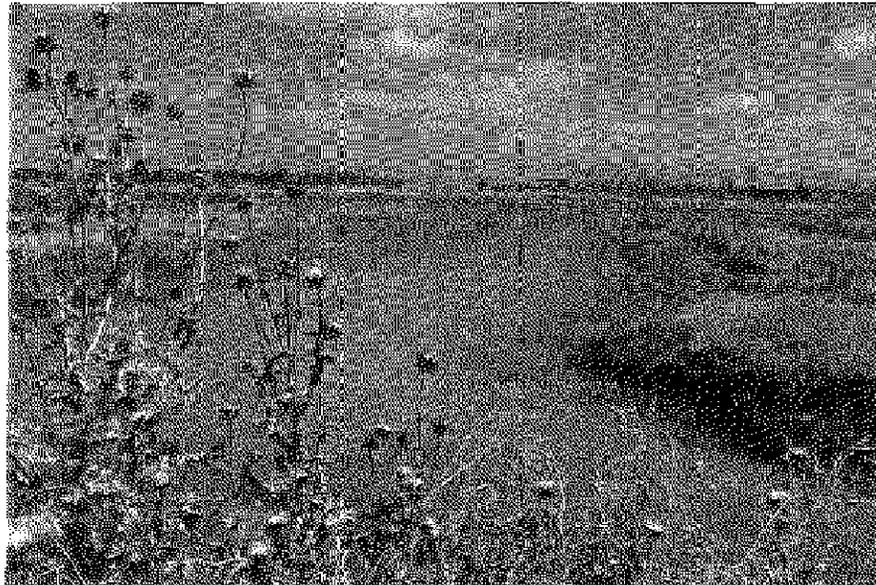


Figure 5
Proposed Improvements

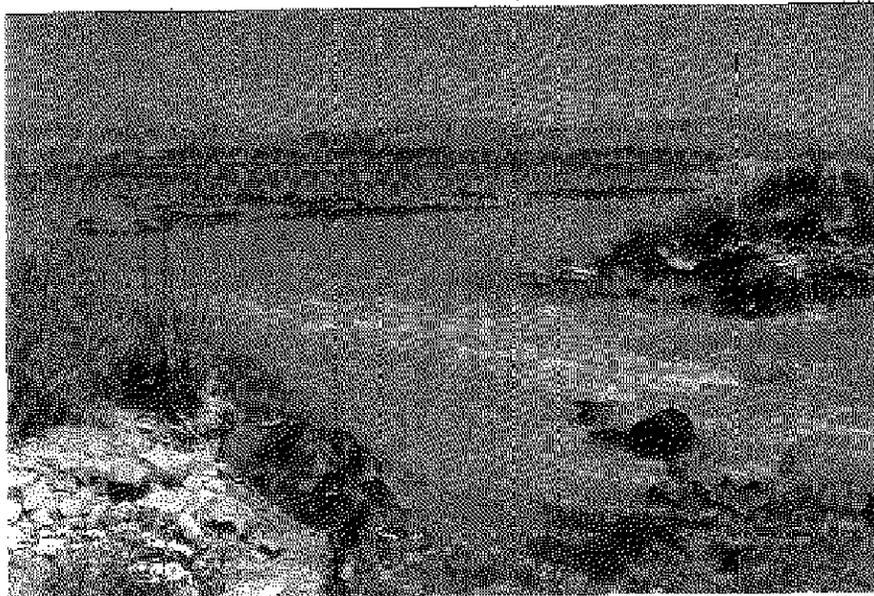


Riprapped levee at former mouth of North Slough



Looking upstream along North Slough from levee at confluence of Napa River

Figure 6
Photos of Project Area

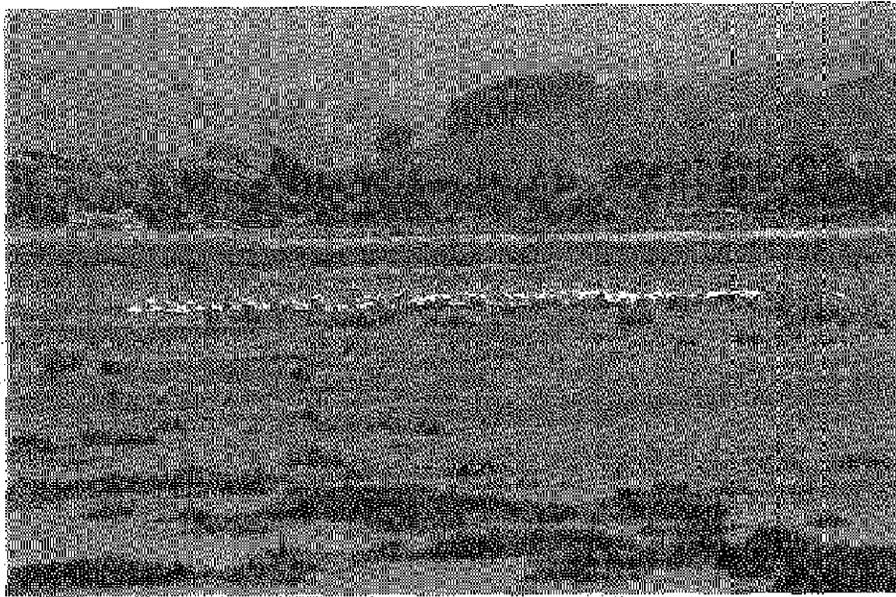


Above: Breach in levee
between marsh and
Napa River tidal area
due to 1997 flooding



Left: Looking east over marsh at
former City wastewater discharge
structure in North Slough

Figure 7
Photos of Project Area



North Slough near levee break



Looking upstream along North Slough from levee at confluence of Napa River

Figure 8
Photos of Project Area

V. ECOLOGICAL/BIOLOGICAL BENEFITS

A. ECOLOGICAL AND BIOLOGICAL OBJECTIVES

The Napa River and its associated marshes and sloughs have been greatly altered to accommodate agricultural and urban development in the region. Upstream dams have changed the Napa River's hydrologic and hydraulic patterns affecting freshwater inflow which has led to altered sediment transport rates, channel geometry, and stream bank conditions. Levees have been constructed throughout the floodplain to provide flood protection which has undermined natural flood and floodplain processes. Marshlands have been filled, drained, and cultivated as agricultural lands which has led to the loss of aquatic foodweb processes. Ecological processes and functions essential to the health of Suisun Marsh and San Francisco Bay, are dependent on freshwater inflow and tidal influence to deliver important nutrients and maintain hydrogeomorphic processes and the brackish-saline system all critical to sustaining viable populations of priority bird and fish species.

The primary benefit of the project will be the restoration of natural processes in the North Bay that will contribute to an overall increase in ecosystem health in the North Bay. The secondary benefits will accrue as these sustainable ecological processes contribute to the restoration of habitat types that provide spawning, rearing, migration, and refugia functions for priority species.

Four Concurrent Events Make the Need and Opportunity for the Proposed Project Critical

1. The City will purchase 453 acres of wetland and upland from the Port of Oakland to be used for this restoration project, with 1998 CALFED funds.
2. A break in the levee separating the project area from the Napa River tidal area was breached in the 1997 floods, thereby opening the project area to partial tidal action which this project would be designed to capitalize on.
3. The City is prepared to donate 58 acres of wetlands and upland for restoration as part of this project therefore abandoning its ponds located in the proposed project area.
4. Continued growth in the region threatens to weaken the ecological and hydrological links between existing restoration projects in the North Bay. This project would restore the tidal connection between the Napa River to historic sloughs to the north and to state owned and managed lands to the south thereby improving these links.

The circumstances described above present a unique opportunity to implement the proposed project. If this opportunity is not seized at this time, natural forces due to levee breaches may continue to alter the tidal regime of the subject property in an unintended, unplanned manner, causing irreparable damage to the local ecosystem and potentially adverse third party impacts.

PRIORITY HABITATS

The goal of the project is to restore a total of 511 acres of acquired and in-kind lands to the following priority habitats: **tidal perennial aquatic habitat, saline emergent wetlands, tidal sloughs, and seasonal wetlands.**

PRIORITY SPECIES

The California Department of Fish and Game (CDFG) has indicated that the proposed project will provide benefits for the following priority species by reducing, if not eliminating, existing stressors. Other native species will also benefit.

	Species	Stressor: Proposed Action to Address Stressor
ERPP Primary-First Tier	Winter-run Chinook	<ul style="list-style-type: none"> ▪ Alteration of flows: Restoration of tidal action ▪ Floodplain changes: Improved instream habitat
	Delta Smelt	<ul style="list-style-type: none"> ▪ Alteration of flows - Restoration of freshwater flows to the Napa River
	Steelhead Trout	<ul style="list-style-type: none"> ▪ Alteration of flows: Restoration of tidal action ▪ Floodplain changes: Improved instream habitat
ERPP Primary-Second Tier	Splittail, longfin smelt Native resident fishes	<ul style="list-style-type: none"> ▪ Marshplain changes: Restoration of marshplain
	Striped Bass	<ul style="list-style-type: none"> ▪ Alteration of flows: Increased flows for spawning ▪ Marshplain changes: Restoration of marshplain as rearing areas
ERPP Secondary Special Status Species	Migratory Birds	<ul style="list-style-type: none"> ▪ Floodplain changes: Increased wintering habitat
	California Clapper rail	<ul style="list-style-type: none"> ▪ Floodplain changes: Habitat restoration/creation
	California Black Rail	<ul style="list-style-type: none"> ▪ Floodplain changes: Habitat restoration/creation
	Salt Marsh Harvest mouse	<ul style="list-style-type: none"> ▪ Floodplain changes: Habitat restoration/creation

B. LINKAGES TO ECOSYSTEM RESTORATION PROGRAM PLAN OBJECTIVES AND TARGETS

The project will specifically contribute to meeting two of the CALFED Program goals identified in the ERPP and the Strategic Plan: 1) Achieve recovery of at-risk native species dependent on the Delta and Suisun Bay, and 2) Rehabilitate natural processes in the Bay-Delta system objectives.

Further, the project directly supports the **Targets** identified in CALFED's ERPP (Revised Draft February 1999) for the Napa River Ecological Unit described in the *Suisun Marsh/North San Francisco Bay Ecological Management Zone* Section (Volume 2 – Ecological Management Zone Visions).

- *Page 143: Ecological Processes – Central Valley Streamflow - Target 1:*
More closely emulate the natural seasonal freshwater inflow pattern to North San Francisco Bay
- *Page 144: Ecological Processes – Natural Floodplain & Flood Processes - Target 1:*
Expand the floodplain area in the Napa River, Sonoma Creek and Petaluma River Ecological Units by putting approximately 10% of levied lands into the active floodplain. Stage I Actions: Acquire and restore floodplains along the Napa River and the Napa/Sonoma Marsh.
- *Page 144: Ecological Processes – Bay-Delta Aquatic Foodweb – Target 1:*
Increase primary and secondary nutrient productivity in Suisun Marsh/North San Francisco Bay. Programmatic Action 1A: Actions described to restore streamflow, floodplains, tidal wetlands and sloughs, and riparian habitat would increase primary and secondary productivity in the Suisun and North San Francisco Bay areas.

- *Page 144: Habitats – Tidal Perennial Aquatic Habitat – Target 1:*
Restore 1,500 acres of shallow-water habitat in this zone. Stage 1 Action: Restore tidal wetlands in Suisun Marsh.
- *Page 145: Habitats – Tidal Sloughs – Target 1:*
Restore slough habitat for fish and associated wildlife species. Restore 5 miles of slough habitat in the near-term, and 10 miles in the long-term.
- *Page 146: Habitats – Saline Emergent Wetlands – Target 1:*
Restore tidal action to 1,000 to 2,000 acres in the Napa River Ecological Management Unit. Programmatic Action 1A: Develop a cooperative program to acquire the land needed for tidal restoration, and complete the needed steps to restore the wetlands to tidal action.

C. BENEFITS TO OTHER ECOSYSTEM PROGRAMS AND SYSTEM-WIDE BENEFITS

There are a number of CALFED -funded restoration projects and wildlife refuge areas located in close proximity to the project area. This project would complement those efforts. For example, this marsh restoration project would directly benefit the adjacent CDFG's Napa-Sonoma Marsh project, which is located southwest of the project site, by providing additional habitat for waterfowl. The project would result in restoration of the tidal flows to the CDFG site, thereby restoring some semblance of the natural hydrology to the marsh. Further, the proposed project would increase the overall size of the preserve by 500% diminishing the effects of fragmentation and population isolation. Similarly, the project will provide a direct geomorphic link to the South Napa River Restoration Program located to the north of the site. Direct habitat links will be established to other nearby restoration sites as well.

This project is consistent with the San Francisco Bay Area Wetlands Ecosystem Goals Project. In addition, this project supports the 1995 Water Quality Control Plan, by supporting the Plan's objectives for the maintenance of the freshwater flows to the Bay, and the restoration and preservation of marshes on the perimeter of the Bay. It is also consistent with the Central Valley Project Improvement Act, the Recovery Plan for Sacramento-San Joaquin Delta Native Fishes, and the Recovery Plan for Salt Marsh Harvest Mouse and California Clapper Rail, all of which point to restoration of tidal marshes and sloughs as critical for species recovery.

D. COMPATIBILITY WITH NON-ECOSYSTEM OBJECTIVES

This project will directly support CALFED's Water Quality and Levee System Integrity objectives. Breaching of the levees and restoration of the tidal action of the historic sloughs would ultimately provide additional freshwater input into the Napa River and ultimately to the North Bay contributing to improvements in water quality for all beneficial uses. Removal of the sections of levees indicated in the project description would restore the integrity of the floodplain along North and South sloughs (see Figure 4) reducing pressure on the remaining levees and therefore contributing to levee stability. In addition, the project respond to the PSP request for focused actions on Environmental Education via the creation of an interpretive center and viewing area adjacent to the restored ponds that would help to facilitate public understanding of wetland conservation and restoration issues. The interpretive center would include exhibits that describe floodplain and tidal marsh functions, habitat creation, species use, and human benefits.

VI. TECHNICAL FEASIBILITY AND TIMING

No obstacles to project implementation (other than lack of project funding) have been identified. Regulatory agency support is strong, and the required permits, such as a Section 404 permit, appear to be obtainable. The Port of Oakland is a willing seller of the required land, and the acquisition should be finalized by July 1, 1999. Agreement on a fair market value for the property is achievable following the required federal appraisal process, which is currently nearing completion. Engineering and construction tasks necessary to complete the project are technically feasible and readily implementable using standard design practices and earthmoving equipment.

VII. MONITORING AND DATA EVALUATION

The Napa County Land Trust will hold the conservation easement for the project and a agreement between the City and the CDFG regarding the long-term ownership and management of the wetland area has been reached. CDFG will also be responsible for monitoring the project. The monitoring program will be developed as an element of an adaptive management plan. The monitoring and adaptive management plan will be provided to CALFED for approval and to check consistency with CMARP.

A. BIOLOGICAL/ECOLOGICAL OBJECTIVES

One objective of the project is to restore ecological processes and functions essential to the health of Suisun Marsh and San Francisco Bay that are dependent on freshwater inflow and tidal influence. Restoration of these processes will deliver important nutrients and maintain hydrogeomorphic processes and the brackish-saline system that are critical to sustaining viable populations of priority bird and fish species.

Hypothesis Question to be Evaluated	Monitoring Parameter(s) and Data Collection Approach	Data Evaluation Approach	Comments/Data Priority
Do tidal flows return to the restored historic slough channels? Are hydrogeomorphic and ecological processes restored?	<ul style="list-style-type: none"> ▪ the return of tidal flows to the restored historic slough channels ▪ resultant hydrogeomorphic and ecological process restoration 	<ul style="list-style-type: none"> ▪ Sediment budget evaluation ▪ Channel configuration changes – cross-sections ▪ increases in primary and secondary productivity 	Monitoring data will track the progress of the current restoration scheme and provide feedback to the adaptive management plan to determine if changes in the restoration scheme would improve the short- or long-term success of the program.
Do native plants recolonize flood and marsh plains?	<ul style="list-style-type: none"> ▪ the recolonization of native plant life in the flood and marsh plains 	<ul style="list-style-type: none"> ▪ Field surveys - species diversity, survivability, dispersion, etc. 	Same as above.
Do native plants recolonize along slough embankments?	<ul style="list-style-type: none"> ▪ the survivorship of riparian vegetation plants along slough embankments 	<ul style="list-style-type: none"> ▪ Field surveys – Vegetation recolonization would be assessed through monitoring of permanent transects and aerial photography mapping 	Same as above.
Do migratory and resident waterfowl and shorebirds utilize slough and marsh habitats?	<ul style="list-style-type: none"> ▪ Occurrence of nesting, feeding, rearing waterfowl and shorebirds 	<ul style="list-style-type: none"> ▪ Field surveys – 	
Do native resident and anadromous fish utilize slough habitat for spawning, rearing, and migration?	<ul style="list-style-type: none"> ▪ the utilization of the restored sloughs by target fish species and 	Field surveys: spawning surveys, dipnet surveys, use of shallow water and deep water habitats, etc Abundance and species number of benthic invertebrates would also be sampled.	Same as above.

Surveys would be designed to assess density/abundance and species composition during periods when both migratory and/or resident fish and bird species would be present, such as late fall, spring, and summer.

B. MONITORING PARAMETERS

A Quality Assurance Project Plan will be incorporated into the monitoring and adaptive management plan.

VIII. LOCAL INVOLVEMENT

All interested and potentially affected parties have been contacted and as a result they have been involved in discussions and scoping meetings. The County of Napa has been notified regarding this proposal and is aware of the proposed project. The list of collaborators and supporters includes: the City of American Canyon, the CDFG, the Napa County Land Trust, the Port of Oakland, the San Francisco Bay Joint Venture, the South Napa Waste Management Authority, the Coastal Conservancy, the U.S. Army Corps of Engineers, the Natural Resource Conservation Service, and Ducks Unlimited, Inc. Others who have been notified include The Trust for Public Land, and Napa County Environmental Management. No significant third-party impacts are anticipated as a result of the proposed project.

IX. COST AND SCHEDULE

A. COST

Cost tables are shown on the following pages. In addition to CALFED funding, tentative commitments of funds from the California Coastal Conservancy (\$120,000) and the U.S. Army Corps of Engineers (\$20,000) have been made. Contributions of land and services have been committed to by other project participants, as shown in the table. Also, a tentative commitment by a private contributor has been made for approximately \$75,000.

B. SCHEDULE MILESTONES

Completion dates for key project tasks are presented below.

SCHEDULE

Task	Completion Date
PHASE 1 (FUNDED BY CALFED IN 1998)	
Acquisition of 453 acres from the Port of Oakland	July 1, 1999
Preliminary Design of Restored Wetlands	August 1, 1999
Environmental Constraints Study	August 1, 1999
PHASE 2	
CALFED Funding	September 1999
CEQA/NEPA Documentation	June 2000
Permitting	September 2000
Final Design	December 2000
Project construction	September 2002
Environmental monitoring	2002-2007

V. COST AND SCHEDULE

A. Budget Costs

	Direct Labor Hours	Direct Salary and Benefits	Service Contracts	Material and Acquisition Costs	Overhead and Indirect Costs	Total Cost
Phase 1 (Funded by CALFED in 1998)						
1.1. Acquisition of Property						
Subtask A - Purchase price from Port of Oakland				\$1,400,000		\$1,400,000 ^a
Subtask B - Difference				\$400,000		\$400,000 ^c
Subtask C - 58 acres of City land				\$176,000		\$176,000 ^b
Subtask D - City staff time	300	\$15,000				\$15,000 ^b
Subtask D - Port staff time	300	\$15,000				\$15,000 ^c
Subtask E - DFG time	100	\$5,000				\$5,000 ^d
1.2. Project Preliminary Design						
Subtask A - Consultant			\$40,000			\$40,000 ^a
Subtask B - City time	100	\$5,000				\$5,000 ^b
Subtask C - DFG time	100	\$5,000				\$5,000 ^d
1.3. Environmental Constraints Study						
Subtask A - Consultant			\$15,000			\$15,000 ^a
Subtask B - City time	40	\$2,000				\$2,000 ^b
Phase 1 Total	940	\$47,000	\$55,000	\$1,976,000	\$0	\$2,078,000
Phase 2 (1999 Calfed Funding Request)						
2.1. CEQA/NEPA Documentation						
Subtask A - Consultant			\$250,000			\$250,000 ^a
Subtask B - City time	500	\$25,000				\$25,000 ^b
Subtask C - Port staff time	1,000	\$50,000				\$50,000 ^c
2.2. Permitting						
Subtask A - Consultant			\$40,000			\$40,000 ^a
Subtask B - City time	100	\$5,000				\$5,000 ^b
2.3. Plans and Specifications for Earthwork, Demolition, and Restoration Work						
Subtask A - Consultant			\$100,000			\$100,000 ^a
Subtask B - City time	200	\$10,000				\$10,000 ^b
Subtask C - DFG time	100	\$5,000				\$5,000 ^d
2.4. Breach levees, restore tidal action						
Subtask A - Contractor			\$330,000			\$330,000 ^a
Subtask B - City time	1,000	\$50,000				\$50,000 ^b
Subtask C - Coastal Conservancy Contribution				\$60,000		\$60,000 ^e
Subtask D - U.S. Army Corps Contribution				\$10,000		\$10,000 ^f

1-015653

	Direct Labor Hours	Direct Salary and Benefits	Service Contracts	Material and Acquisition Costs	Overhead and Indirect Costs	Total Cost
2.5. Remove sewage pond levees and restore area						
Subtask A - Contractor			\$380,000			\$380,000 ^a
Subtask B - City time	1,000	\$50,000				\$50,000 ^b
Subtask C - Coastal Conservancy Contribution				\$60,000		\$60,000 ^e
Subtask D - U.S. Army Corps Contribution				\$10,000		\$10,000 ^f
2.6. Restoration of Port upland area						
Subtask A - Contractor			\$150,000			\$150,000 ^a
Subtask B - City time	500	\$25,000				\$25,000 ^b
2.7. Construct viewing/education area facilities						
Subtask A - Contractor			\$60,000			\$60,000 ^a
Subtask B - City time	100	\$5,000				\$5,000 ^b
2.8. Construct new levees to protect City corpyard						
Subtask A - Contractor			\$120,000			\$120,000 ^a
Subtask B - City time	300	\$15,000				\$15,000 ^b
2.9. Environmental monitoring (3 years)						
Subtask A - Consultant			\$90,000			\$90,000 ^a
Subtask B - City time	100	\$5,000				\$5,000 ^b
Subtask C - DFG Time	100	\$5,000				\$5,000 ^d
Phase 2 Total	5,000	\$250,000	\$1,520,000	\$140,000		\$1,910,000

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Source of Funding:

- a CALFED
- b City of American Canyon
- c Port of Oakland
- d Department of Fish and Game
- e Coastal Conservancy
- f U.S. Army Corps of Engineers

Phase 1 Funding Summary:

CALFED	\$1,455,000
City of American Canyon	\$198,000
Port of Oakland	\$415,000
Department of Fish and Game	<u>\$10,000</u>
Phase 1 Total	\$2,078,000

Phase 2 Funding Summary:

CALFED	\$1,520,000
City of American Canyon	\$190,000
Port of Oakland	\$50,000
Department of Fish and Game	\$10,000
Coastal Conservancy	\$120,000
U.S. Army Corps of Engineers	<u>\$20,000</u>
Phase 2 Total	\$1,910,000

X. APPLICANT QUALIFICATIONS

The full project team is identified in the organizational chart shown in Figure 3. Members of the team have implemented many similar projects in their roles in public agencies and as environmental or engineering consultants. Qualifications of key individuals are presented below.

JOHN V. WANKUM, P.E., PUBLIC WORKS DIRECTOR

PROPOSED ROLE IN AMERICAN CANYON WETLANDS RESTORATION PROJECT: PROJECT MANAGER

Highlights of Work at the City of American Canyon:

- Serves as Public Works Director overseeing Water, Sewer, Streets, and Engineering Divisions.
- Project Manager for design of City of American Canyon wastewater treatment plant.
- Reviewed and approved City Master Plans for Thoroughfare, Water Distribution, Drainage, and Sewage Collection.
- Supervised and assisted in planning street maintenance projects and development of pavement management system for the City of American Canyon.
- Negotiated transfer of water entitlement from City of Vallejo to City of American Canyon, and from City of American Canyon to City of Calistoga.

Other Pertinent Information: Registered Civil Engineer and Structural Engineer in the State of California.

WILLIAM D. ROSS, CITY ATTORNEY, CITY OF AMERICAN CANYON

PROPOSED ROLE IN AMERICAN CANYON WETLANDS RESTORATION PROJECT: CITY ATTORNEY AND PROPERTY ACQUISITION ADVISOR

Pertinent Information:

- Member of California Bar Association, 1975.
- Served on advisory committees to Senate Local Government Committees, 1986.
- Represented City of American Canyon and American Canyon Water District as City Attorney and District Attorney from 1990 to present.
- Principal in own legal firm since 1984.
- Former Deputy County Counsel, County of Los Angeles.

DAVID ZWEIG, SACRAMENTO OFFICE DIRECTOR, ENVIRONMENTAL SCIENCE ASSOCIATES

PROPOSED ROLE IN AMERICAN CANYON WETLANDS RESTORATION PROJECT: CEQA AND PERMITTING

Relevant Experience:

- Professional Civil Engineer in California and Washington.

- Licensed General Engineering (Class A) Contractor in California.
- 12 years of experience performing environmental studies and preparing CEQA documentation.
- Evaluated created wetland for Spalding Community Services District (Lassen County), Lake County Sanitation District (near Clearlake), and City of Novato.
- Managed preparation of EIR and Section 404 permit application for City of American Canyon's wastewater treatment plant project.

ELISE C. HOLLAND, SENIOR ASSOCIATE, ENVIRONMENTAL SCIENCE ASSOCIATES

PROPOSED ROLE IN AMERICAN CANYON WETLANDS RESTORATION PROJECT: CEQA AND TASK MANAGER

Relevant Experience:

- Several years of technical and practical experience with reviewing and commenting on environmental documentation particularly biological opinions, and Environmental Impact Reports/Statements/Assessments that comply with the requirements of NEPA, CEQA, FESA, and CESA.
- Director of Fisheries Program for The Bay Institute an organization working towards restoration the Bay-Delta watershed particularly its fishery resources.
- Served as technical liaison to many CALFED related workgroups tasked with developing recommendations on reducing the impacts on fisheries associated with water diversion and management in the Delta as part of CALFED's long-term solution.
- Technical and policy analyst with the US Congress Office of Technology Assessment on fisheries related issues particularly those associated with dams and diversions.

GEORGE D. HARRIS, PH.D., P.E., HYDROSCIENCE ENGINEERS

PROPOSED ROLE IN AMERICAN CANYON WETLANDS RESTORATION PROJECT: ENGINEERING DESIGN

Relevant Experience:

- Mr. Harris has over 14 years of experience in the management, permitting, and design of water and wastewater civil engineering projects.
- Currently Project Manager for the American Canyon Wastewater Treatment and Reclamation Project that includes permitting and design of a seasonal wetlands disposal project.
- Prepared hydraulic profiles and civil grading plans for numerous civil engineering projects.

XI. COMPLIANCE WITH STANDARD TERMS AND CONDITIONS

The City is agreeable to and will comply with all terms and conditions specified in the Proposal Solicitation Package. Completed forms from the Proposal Solicitation Package are attached.

Attachment A

Requested Forms

NONDISCRIMINATION COMPLIANCE STATEMENT

STD. 19 (REV. 3-95) FMC

COMPANY NAME

City of American Canyon

The company named above (hereinafter referred to as "prospective contractor") hereby certifies, unless specifically exempted, compliance with Government Code Section 12990 (a-f) and California Code of Regulations, Title 2, Division 4, Chapter 5 in matters relating to reporting requirements and the development, implementation and maintenance of a Nondiscrimination Program. Prospective contractor agrees not to unlawfully discriminate, harass or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, disability (including HIV and AIDS), medical condition (cancer), age, marital status, denial of family and medical care leave and denial of pregnancy disability leave.

CERTIFICATION

I, the official named below, hereby swear that I am duly authorized to legally bind the prospective contractor to the above described certification. I am fully aware that this certification, executed on the date and in the county below, is made under penalty of perjury under the laws of the State of California.

OFFICIAL'S NAME

John Wankum, Public Works Director

DATE EXECUTED

April 16, 1999

EXECUTED IN THE COUNTY OF

Napa County

PROSPECTIVE CONTRACTOR'S SIGNATURE

PROSPECTIVE CONTRACTOR'S TITLE

City of American Canyon

PROSPECTIVE CONTRACTOR'S LEGAL BUSINESS NAME

City of American Canyon

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

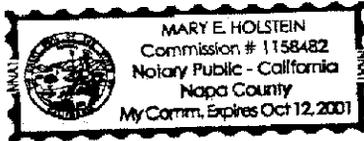
State of CALIFORNIA

County of NAVA

On April 15, 1999 before me, Mary E. Holstein Notary Public
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared John V. Jackson
Name(s) of Signer(s)

personally known to me - OR - proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Mary E. Holstein
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: CALIFED GRANT APPLICATION

Document Date: 4/16/99 Number of Pages: _____

Signer(s) Other Than Named Above: NONE

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

- Individual
- Corporate Officer
Title(s): _____
- Partner Limited General
- Attorney-in-Fact
- Trustee
- Guardian or Conservator
- Other: _____

RIGHT THUMBPRINT OF SIGNER
Top of thumb here

Signer Is Representing: _____

Signer's Name: _____

- Individual
- Corporate Officer
Title(s): _____
- Partner Limited General
- Attorney-in-Fact
- Trustee
- Guardian or Conservator
- Other: _____

RIGHT THUMBPRINT OF SIGNER
Top of thumb here

Signer Is Representing: _____

Attachment E
Terms and Conditions for Federal (Department of Interior) Funds

U.S. Department of the Interior

Certifications Regarding Debarment, Suspension and
Other Responsibility Matters, Drug-Free Workplace
Requirements and Lobbying

Persons signing this form should refer to the regulations referenced below for complete instructions:

Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transactions - The prospective primary participant further agrees by submitting this proposal that it will include the clause titled, "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transaction," provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions. See below for language to be used; use this form for certification and sign; or use Department of the Interior Form 1954 (DI-1954). (See Appendix A of Subpart D of 43 CFR Part 12.)

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transactions - (See Appendix B of Subpart D of 43 CFR Part 12.)

Certification Regarding Drug-Free Workplace Requirements - Alternate I. (Grantees Other Than Individuals) and Alternate II. (Grantees Who are Individuals) - (See Appendix C of Subpart D of 43 CFR Part 12)

Signature on this form provides for compliance with certification requirements under 43 CFR Parts 12 and 18. The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Department of the Interior determines to award the covered transaction, grant, cooperative agreement or loan.

PART A: Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transactions

CHECK IF THIS CERTIFICATION IS FOR A PRIMARY COVERED TRANSACTION AND IS APPLICABLE.

- (1) The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
 - (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
 - (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
 - (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
- (2) Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

PART B: Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transactions

CHECK IF THIS CERTIFICATION IS FOR A LOWER TIER COVERED TRANSACTION AND IS APPLICABLE.

- (1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- (2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

01-2018
March 1995
GSA (www.consolidation 01-1953, 01-1954,
01-1955, 01-1558 and 01-1982)

PART C: Certification Regarding Drug-Free Workplace Requirements

CHECK IF THIS CERTIFICATION IS FOR AN APPLICANT WHO IS NOT AN INDIVIDUAL.

Alternate I. (Grantees Other Than Individuals)

A. The grantee certifies that it will or continue to provide a drug-free workplace by:

- (a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;
- (b) Establishing an ongoing drug-free awareness program to inform employees about--
 - (1) The dangers of drug abuse in the workplace;
 - (2) The grantee's policy of maintaining a drug-free workplace;
 - (3) Any available drug counseling, rehabilitation, and employee assistance programs; and
 - (4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;
- (c) Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph (a);
- (d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will --
 - (1) Abide by the terms of the statement; and
 - (2) Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction;
- (e) Notifying the agency in writing, within ten calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to every grant officer on whose grant activity the convicted employee was working, unless the Federal agency has designated a central point for the receipt of such notices. Notice shall include the identification number(s) of each affected grant;
- (f) Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted --
 - (1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or
 - (2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency;
- (g) Making a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs (a) (b), (c), (d), (e) and (f).

B. The grantee may insert in the space provided below the site(s) for the performance of work done in connection with the specific grant:

Place of Performance (Street address, city, county, state, zip code)

City of American Canyon

2185 Elliot Drive

American Canyon, California 94589 (Napa County)

Check x if there are workplaces on file that are not identified here.

Within the City of American Canyon and unincorporated Napa County. The wetland area of concern centers around North Slough, a tributary to the Napa River.

PART D: Certification Regarding Drug-Free Workplace Requirements

CHECK IF THIS CERTIFICATION IS FOR AN APPLICANT WHO IS AN INDIVIDUAL.

Alternate II. (Grantees Who Are Individuals)

- (a) The grantee certifies that, as a condition of the grant, he or she will not engage in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance in conducting any activity with the grant;
- (b) If convicted of a criminal drug offense resulting from a violation occurring during the conduct of any grant activity, he or she will report the conviction, in writing, within 10 calendar days of the conviction, to the grant officer or other designee, unless the Federal agency designates a central point for the receipt of such notices. When notice is made to such a central point, it shall include the identification number(s) of each affected grant.

PART E: Certification Regarding Lobbying
Certification for Contracts, Grants, Loans, and Cooperative Agreements

CHECK IF CERTIFICATION IS FOR THE AWARD OF ANY OF THE FOLLOWING AND THE AMOUNT EXCEEDS \$100,000: A FEDERAL GRANT OR COOPERATIVE AGREEMENT; SUBCONTRACT, OR SUBGRANT UNDER THE GRANT OR COOPERATIVE AGREEMENT.

CHECK IF CERTIFICATION IS FOR THE AWARD OF A FEDERAL LOAN EXCEEDING THE AMOUNT OF \$150,000, OR A SUBGRANT OR SUBCONTRACT EXCEEDING \$100,000, UNDER THE LOAN.

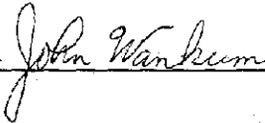
The undersigned certifies, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, and officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

As the authorized certifying official, I hereby certify that the above specified certifications are true.

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL



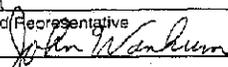
TYPED NAME AND TITLE John Wankum, Public Works Director

DATE

April 16, 1999

**APPLICATION FOR
FEDERAL ASSISTANCE**

OMB Approval No. 0348-0049

1. TYPE OF SUBMISSION: Application <input checked="" type="checkbox"/> Construction <input type="checkbox"/> Non-Construction Preapplication <input type="checkbox"/> Construction <input type="checkbox"/> Non-Construction		2. DATE SUBMITTED April 16, 1999	Applicant Identifier N/A
		3. DATE RECEIVED BY STATE N/A	State Application Identifier N/A
		4. DATE RECEIVED BY FEDERAL AGENCY April 16, 1999	Federal Identifier
5. APPLICANT INFORMATION			
Legal Name: City of American Canyon		Organizational Unit:	
Address (give city, county, State, and zip code): 2185 Elliot Drive American Canyon, CA 94589 (Napa County)		Name and telephone number of person to be contacted on matters involving this application (give area code) John Wankum, Public Works Director (707) 647-4366	
6. EMPLOYER IDENTIFICATION NUMBER (EIN): 68-0264744		7. TYPE OF APPLICANT: (enter appropriate letter in box) <input type="checkbox"/> A. State <input type="checkbox"/> B. County <input type="checkbox"/> C. Municipal <input type="checkbox"/> D. Township <input type="checkbox"/> E. Interstate <input type="checkbox"/> F. Intermunicipal <input type="checkbox"/> G. Special District <input checked="" type="checkbox"/> H. Independent School Dist. <input type="checkbox"/> I. State Controlled Institution of Higher Learning <input type="checkbox"/> J. Private University <input type="checkbox"/> K. Indian Tribe <input type="checkbox"/> L. Individual <input type="checkbox"/> M. Profit Organization <input type="checkbox"/> N. Other (Specify) _____	
8. TYPE OF APPLICATION: <input type="checkbox"/> New <input checked="" type="checkbox"/> Continuation <input type="checkbox"/> Revision If Revision, enter appropriate letter(s) in box(es) <input type="checkbox"/> <input type="checkbox"/> A. Increase Award B. Decrease Award C. Increase Duration D. Decrease Duration Other(specify): _____		9. NAME OF FEDERAL AGENCY: U.S. Fish and Wildlife Service	
10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER: TITLE: N/A		11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT: South Napa River Tidal Slough and Floodplain Restoration Project	
12. AREAS AFFECTED BY PROJECT (Cities, Counties, States, etc.): City of American Canyon			
13. PROPOSED PROJECT Start Date: 9/99 Ending Date: 9/02		14. CONGRESSIONAL DISTRICTS OF: a. Applicant 1 b. Project 1	
15. ESTIMATED FUNDING:		16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?	
a. Federal	\$ 1,540,000 ⁰⁰	a. YES. THIS PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW ON: DATE _____	
b. Applicant	\$ 190,000 ⁰⁰	b. No. <input type="checkbox"/> PROGRAM IS NOT COVERED BY E. O. 12372 <input type="checkbox"/> OR PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW	
c. State	\$ 10,000 ⁰⁰		
d. Local	\$ 50,000 ⁰⁰		
e. Other	\$ 120,000 ⁰⁰		
f. Program Income	\$ _____ ⁰⁰		
g. TOTAL	\$ 1,910,000 ⁰⁰	17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT? <input type="checkbox"/> Yes If "Yes," attach an explanation. <input checked="" type="checkbox"/> No	
18. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT, THE DOCUMENT HAS BEEN DULY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS AWARDED.			
a. Type Name of Authorized Representative John Wankum		b. Title Public Works Director	c. Telephone Number (707) 647-4366
d. Signature of Authorized Representative 			e. Date Signed April 16, 1999

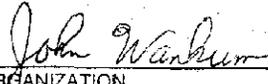
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Standard Form 424 (Rev. 7-97)
 Prescribed by OMB Circular A-102

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I-015666

9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally-assisted construction subagreements.
10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).
14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. §§2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.
16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4601 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL 	TITLE John Wankum Public Works Director
APPLICANT ORGANIZATION City of American Canyon	DATE SUBMITTED April 16, 1999

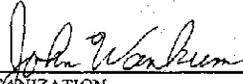
Standard Form 424B (Rev. 7-97) Bac

BUDGET INFORMATION -- Construction Programs

NOTE: Certain Federal assistance programs require additional computations to arrive at the Federal share of project costs eligible for participation. If such is the case you will be notified

COST CLASSIFICATION		a. Total Cost	b. Costs Not Allowable for Participation	c. Total Allowable Costs (Column a-b)
1.	Administrative and legal expenses	\$	\$	\$
2.	Land, structures, rights-of-way, appraisals, etc.	\$	\$	\$
3.	Relocation expenses and payments	\$	\$	\$
4.	Architectural and engineering fees	\$ 390,000	\$	\$ 390,000
5.	Other architectural and engineering fees	\$	\$	\$
6.	Project inspection fees	\$ 90,000	\$	\$ 90,000
7.	Site work	\$	\$	\$
8.	Demolition and removal	\$	\$	\$
9.	Construction	\$ 1,040,000	\$	\$ 1,040,000
10.	Equipment	\$	\$	\$
11.	Miscellaneous	\$	\$	\$
12.	SUBTOTAL	\$	\$	\$
13.	Contingencies	\$	\$	\$
14.	SUBTOTAL	\$ 1,520,000	\$	\$ 1,520,000
15.	Project (program) income	\$	\$	\$
16.	TOTAL PROJECT COSTS (subtract #15 from #14)	\$ 1,520,000	\$	\$ 1,520,000
17.	Federal assistance requested, calculate as follows: (Consult Federal agency for Federal percentage share). Enter the resulting Federal share.	Enter eligible costs from line 16c Multiply X 100 %		\$ 1,520,000

11. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provides for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal and federally assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
12. Will comply with the provisions of the Hatch Act (5 U.S.C. Secs. 1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.
13. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. Secs. 276a to 276a - 7), the Copeland Act (40 U.S.C. Secs. 276c and 18 U.S.C. Sec. 874), the Contract Work Hours and Safety Standards Act (40 U.S.C. Secs. 327-333), regarding labor standards for federally assisted construction subagreements.
14. Will comply with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
15. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. Secs. 1451 et seq.); (f) conformity of Federal actions to State (Clear Air) Implementation Plans under Section 176(c) of the Clear Air Act of 1955, as amended (42 U.S.C. Secs. 7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended, (P.L. 93-523); and (h) protection of endangered species under the Endangered Species Act of 1973, as amended, (P.L. 93-205).
16. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. Secs. 1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
17. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. Sec. 470), EO 11593 (identification and preservation of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. 469a-1 et seq.).
18. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act of 1984.
19. Will comply with all applicable requirements of all other Federal laws, Executive Orders, regulations and policies governing this program.

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL 	TITLE John Wankum, Public Works Director
APPLICANT ORGANIZATION City of American Canyon	DATE SUBMITTED April 16, 1999

SF 424D (Rev. 4/92) Back

Attachment B
Letters of Support



June 30, 1998

Cindy Darling
Restoration Coordinator
CALFED Bay-Delta Program
1416 Ninth St., Suite 1155
Sacramento, CA 95814

RE: Support for South Napa River Tidal Slough and Floodplain Restoration Project

Dear Cindy:

I am writing to express strong support for the City of American Canyon's application for funds to purchase and restore 460 acres of historical tidelands contiguous with the east side of the Napa River. The site is within the lower Napa River watershed, which is strategically important to the overall bay-delta restoration effort because it supports substantial aquatic and wildlife species, and contains relatively large amounts of undeveloped land.

Acquisition of this parcel will facilitate restoration of an additional 250 acres of publically-owned land that are contiguous to the Napa River. In total, 710 acres of diked historic baylands would be restored to tidal marsh and upland transition. Numerous CALFED high priority species would benefit including the Delta smelt, Sacramento splittail, Chinook salmon and striped bass. Other species to benefit from this acquisition/restoration include the endangered California clapper rail and the salt marsh harvest mouse, as well as waterfowl, shorebirds, wading birds and raptors.

The Coastal Conservancy is currently working cooperatively with numerous parties to restore and enhance the Napa River and its associated former tidelands. This site will provide an important addition of high quality habitat along the eastern side of the Napa River.

Thank you for your consideration.

Sincerely,
Nadine P. Hitchcock
Nadine P. Hitchcock
Program Manager, SF Bay Program

1330 Broadway, 11th Floor
Oakland, California 94612-2530
510-286-1015 Fax: 510-286-0470

C a l i f o r n i a S t a t e C o a s t a l C o n s e r v a n c y



DUCKS
UNLIMITED
INC.

DUCKS UNLIMITED, INC.
WESTERN REGIONAL OFFICE

3074 Grid Canal Drive
Rancho Cordova, CA 95670-6116
(916) 852-2000
(916) 852-2200 Fax

June 29, 1998

Cindy Darling, Restoration Coordinator
CALFED Bay-Delta Program
1416 Ninth Street, Room 1155
Sacramento CA 95814

Re: South Napa River Tidal Slough and Floodplain Restoration Project

Dear Ms. Darling:

Ducks Unlimited, Inc. lends full support to the City of American Canyon's above-referenced proposal to purchase and restore 480 acres just east of the Napa River.

The acquisition and restoration of this property, owned by the Port of Oakland, has been a high priority for the San Francisco Bay Joint Venture, of which I currently serve as Chair, and the California Department of Fish and Game for several years. The purchase of the 480 acres would allow for the restoration of these parcels for a total 710 acres. By restoring these diked historic baylands to tidal marsh and upland transition habitat several species will benefit including high priority species such as Delta smelt, Sacramento splittail, Chinook salmon and striped bass as well as the endangered California clapper rail, the salt marsh harvest mouse, and waterfowl, shorebirds, wading birds and raptors.

The county of Napa, with numerous partners, is pursuing a very innovative nonstructural flood control project just upstream of the Port of Oakland property. The Department of Fish and Game owns 9,000 acres of the Napa/Sonoma Marsh directly across the river from the Port property. The flood control project and Napa/Sonoma Marsh combined with the City of American Canyon's restoration will provide a near continuous stretch of the river that provides high quality habitat for the fish and wildlife species found along the Napa River.

Sincerely,

Holly Hopkins Andree, Director
State & Federal Coordination

HHA:bj

cc: Nancy Schaefer
SFBJV Management Board

SAN FRANCISCO BAY JOINT VENTURE

mailing address: Coastal Conservancy, 1330 Broadway, Suite 1100, Oakland, CA 94612
phone: 510-286-6767 fax: 510-286-0470

June 24, 1998

MANAGEMENT BOARD:

Bay Area Audubon Council

Bay Area Open Space Council

*Bay Conservation &
Development Commission*

Bay Planning Council

*Bay Area Regional
Watershed Network*

*California Department
of Fish and Game*

*City's Committee to
Protect the Refuge*

Coastal Conservancy

*Central Region, Migratory &
Vector Control District*

Delta Outboard

National Audubon Society

*Natural Resources Conservation
Service*

P.G. & E.

*Regional Water Quality Control
Board, San Francisco Bay Region*

*San Francisco Bay
Association*

Serra Club

The Bay Institute

U.S. Fish & Wildlife Service

Wildlife Conservation Board

Cindy Darling
Restoration Coordinator
CALFED Bay-Delta Program
1416 Ninth St., Suite 1155
Sacramento, CA 95814

RE: South Napa River Tidal Slough and Floodplain Restoration Project

Dear Cindy:

I am writing on behalf of the San Francisco Bay Joint Venture Management Board in support of the City of American Canyon's proposal to purchase and restore 460 acres just east of the Napa River. The acquisition and restoration of this property, owned by the Port of Oakland, has been a high priority for the Joint Venture and the California Department of Fish and Game for several years.

The city and the state own 250 acres adjacent to the Napa River and the Port of Oakland property. The purchase of this 460 acres would allow for the restoration of these parcels for a total of 710 acres. The proposal would restore diked historic baylands to tidal marsh and upland transition habitat along the lower Napa River. Species that would benefit from this restoration include CALFED high priority species including Delta smelt, Sacramento splittail, Chinook salmon and striped bass. Other species benefitting include the endangered California clapper rail and the salt marsh harvest mouse as well as waterfowl, shorebirds, wading birds and raptors.

The county of Napa, with numerous partners, is pursuing a very innovative nonstructural flood control project just upstream of the Port of Oakland property. The Department of Fish and Game owns 9,000 acres of the Napa/Sonoma Marsh directly across the river from the Port property. The flood control project and Napa/Sonoma Marsh combined with the City of American Canyon's restoration will provide a near continuous stretch of the river that provides high quality habitat for the fish and wildlife species found along the Napa River.

Thank you for your consideration.

Sincerely,

Nancy Schaefer
Nancy Schaefer
Coordinator

Cc: SFBJV Management Board



PORT OF OAKLAND

June 9, 1998

STEVEN J. GROSSMAN
Director of Aviation

WILLIAM E. WEST
Manager, Airport Properties Department

9532 Earhart Road
Oakland, CA 94621

Telephone: (510) 577-4233
Fax: (510) 636-1216

Mr. Mark Joseph
City Manager
City of American Canyon
2185 Elliot Drive
American Canyon, CA 94589

**RE: Letter of Intent for the Sale of Port of Oakland Property --
American Canyon, Napa County**

Dear Mark:

Thank you for meeting with Kristi McKenney and myself this morning. As you requested, this letter of intent is to formally state that the Port of Oakland intends to sell to the City of American Canyon the approximately 460 acres of land that the Port of Oakland presently owns. Further, the City of American Canyon intends to purchase such property from the Port of Oakland. The subject property is generally described as follows:

Subject property: Approximately 460 acres (or 455 acres, per June 17, 1985 appraisal) of land approximately located west of the City of American Canyon, Napa County, near the west end of Rio Del Mar (Street) and Eucalyptus Road, and east of the Napa River

The precise price, terms and date of such sale specifically are subject to subsequent approval by both the Board of Port Commissioners of the Port of Oakland and the City Council of the City of American Canyon.

Upon your execution of this letter of intent, we mutually will transmit copies of this letter to the below listed parties. I look forward to our next meeting. If you have any questions, please call me at 510/577-4256.

Very truly yours,

AGREED:

Marcel E. Conrad III
Airport Properties

Mark Joseph, City Manager
City of American Canyon

cc: Hon. Mike Thompson
John R. Hoffnagle

Hon. Valerie Brown
Nancy Schaefer

Steven J. Grossman

State of California

The Resources Agency

Memorandum

To : Ms. Cindy Darling
Restoration Coordinator
CALFED Bay-Delta Program
1416 Ninth Street, Suite 1155
Sacramento, California 95814

Date: July 1, 1998

From : Department of Fish and Game - Post Office Box 47, Yountville, California 94599

Subject: South Napa River Tidal Slough and Flood Plain Restoration Project

The City of American Canyon has a proposal to purchase and restore 460 acres along the eastern shore of the Napa River. Acquisition and restoration of this parcel has been a highly desirable project concept for several years.

Acquisition of the property will allow for restoration of the adjacent 250 acres owned by the City and DFG. Restoration would return 710 acres of historic bay lands to tidal marsh and upland transition. This site offers a unique opportunity for such restoration and will benefit many priority species targeted by the CALFED program.

The Department has been working with the City and the Port of Oakland for several years to acquire the property. The Port is now a willing seller which offers an excellent opportunity to consolidate ownership of the site and initiate restoration. Completion of the project would create a continuous band of tidal wetland from the Highway 37 bridge in Yuba to several miles upstream into Napa County.

We appreciate your consideration of this proposal.


Brian Hunter
Regional Manager
Region 3

Conserving California's Wildlife Since 1870



Napa-Solano Audubon Society

Post Office Box 5150

Vallejo, CA 94591

June 30, 1998

Cindy Darling
Restoration Coordinator
CALFED Bay-Delta Program
1416 Ninth St., Suite 1155
Sacramento, CA 95814

RE: South Napa River Tidal Slough and Floodplain Restoration Project

MS. Darling:

I am writing on behalf of the Napa-Solano Audubon Society in support of the City of American Canyon's proposal to purchase and restore 460 acres just east of the Napa River. The acquisition and restoration of this property, owned by the Port of Oakland, has been a high priority for the San Francisco Bay Joint Venture and the California Department of Fish and Game for several years.

The National Audubon Society is an active partner in many of the "Joint Venture" operations throughout the U.S. Audubon-California is a participant in the Riparian Habitat Joint Venture, as an example. Napa-Solano Audubon is represented on the San Francisco Bay Joint Venture by the Bay Area Audubon Council, and as such, we very much support the acquisition of additional habitat along the Napa River.

The purchase and restoration of these additional 460 acres will have a significant impact on the ability of several of CALFED high priority species to continue as components of the Napa River Ecosystem.

Napa-Solano Audubon Society and its 1,000 members support this project.

Thank you for your consideration.

Gerald D. Karr
President

cc: SFBJV Management Board

NAPA VALLEY REGISTER

November 4, 1998**Wetlands project grant OK****NAPA**

The city of American Canyon has been awarded a \$1.45 million grant for a Napa River wetlands restoration project. The money comes from CalFed, a joint state and federal program from the restoration of San Francisco Bay and the delta ecosystem.

The first phase of the project will begin in 1999 and will involve land acquisition, environmental studies and preliminary design. The city will purchase 465 acres currently owned by the Port of Oakland, nearly all of which are tidal wetlands. The land is located next to property already owned by the city at the western terminus of West American Canyon Road.

To restore the area to tidal wetlands, an existing levee will be breached at strategic points and another levee south of the city's corporation yard may be removed. In the project's second phase, scheduled to begin in 2000, levees around three wastewater treatment ponds at the corporation yard will be removed and a fourth pond will be filled to create a raised wildlife viewing area.

Restoration of the wetlands will result in more aquatic and plant life in the area. Residents should expect to see more migratory waterfowl, including geese, ducks, herons, egrets and pelicans.

The grant application was prepared with the assistance of Environmental Science Associates, an engineering firm. / Register