

99B-155

I.

PSP COVER SHEET (PAGE 1 of 2)

Proposal Title: Napa Salt Pond Restoration/Water Supply Project
 Applicant Name: Napa Sanitation District, Michael Alexander, General Manager
 Mailing Address: P.O. Box 2480, Napa, California 94558
950 Imola Avenue West, Napa, California 94558
 Telephone: (707) 258-6000
 Fax: (707) 258-6048
 Email: _____

Amount of funding requested: **Phase 1:** \$355,000 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 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.

Michael Alexander, General Manager

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: Napa Salt Pond Restoration/Water Supply Project

Applicant: Napa Sanitation District
P.O. Box 2480
950 Imola Avenue West
Napa, California 94558
Phone: (707) 258-6000
Fax: (707) 258-6048

Contact Person: Michael Alexander, General Manager

Type of Organization: Special District

Tax Status: Non-Exempt

Tax Identification Number: 94-605-0046

Participants/Collaborators: Sonoma Valley County Sanitation District
Randy Poole, (707) 526-5370
California Department of Fish and Game (CDFG)
Larry Wyckoff, (707) 944-5542
U.S. Army Corps of Engineers
Lynne Galal, (415) 977-8707

III. EXECUTIVE SUMMARY

A. PROJECT DESCRIPTION, LOCATION, AND PRIMARY BIOLOGICAL/ECOLOGICAL OBJECTIVES

The Napa Sanitation District (NSD), in conjunction with the Sonoma Valley County Sanitation District (SVCS), proposes to construct a pipeline to supply recycled water for use in restoring salt ponds to wildlife habitat. The proposed pipeline and recycled water supply would support an existing, ongoing project led by the California Department of Fish and Game (CDFG) and the U.S. Army Corps of Engineers to restore approximately 8,000 acres of existing wetlands and 750 acres of inactive salt ponds that comprise the CDFG Napa-Sonoma Marsh Wildlife Area. The CDFG Napa-Sonoma Marsh Wildlife Area is located in the North Bay, and is bounded to the east by the Napa River and by San Pablo Bay to the south. The North Bay marshes and San Pablo Bay provide habitat for many priority fish species including chinook salmon, delta smelt, splittail, longfin smelt, steelhead trout, green sturgeon, and also for hundreds of thousands of migratory waterfowl, shorebirds, and wading birds.

Restoration and enhancement of these ponds would be accomplished in part through the construction of facilities to provide a source of freshwater for dilution of the bittern (salt harvest waste product) accumulated over many decades of salt pond operation. The bittern cannot be discharged to adjacent waterways in an undiluted form given its potential toxicity to aquatic organisms.

The Baylands Ecosystem Habitat Goals Project identified discharge from wastewater treatment facilities as one potential source of dilution water for bittern prior to release into the Bay. Napa Sanitation District and SVCS propose diluting inactive salt ponds with treated effluent from Napa and Sonoma counties thereby improving water quality in the salt ponds without adversely impacting the Napa River and San Pablo Bay. The dilution of the existing hyper-saline brine levels in the ponds and other active restoration being undertaken by CDFG will provide tidal marsh habitat for priority fish and bird species.

B. APPROACH/TASKS/SCHEDULE

The project would be implemented by NSD and SVCS, in coordination with CDFG and U.S. Army Corps of Engineers personnel. Consultants would be retained by NSD to perform preliminary planning and project design work, and conduct environmental impact analysis for Phase 1. This work could be completed within two years of obtaining funding. Permitting, final design, and construction in Phase 2 would begin only after careful evaluation of preliminary work.

C. JUSTIFICATION FOR PROJECT AND FUNDING BY CALFED

Over 40,000 acres of salt ponds exist in the Bay Area. If properly restored, the ponds offer tremendous potential as fish and wildlife habitat. If successful, this project will serve as a model for other larger salt pond restoration efforts, such as the proposal by the San Francisco Airport to restore 20,000 acres of South Bay salt ponds as mitigation for a proposed new runway. CDFG is currently conducting partial restoration of a portion of the Napa-Sonoma salt ponds. This effort constitutes roughly 5% of the total habitat to be restored. The remaining acreage in the project

area is in various stages of planning and/or is awaiting restoration. The proposed project would work in conjunction with existing and future restoration efforts.

D. BUDGET COSTS AND THIRD-PARTY IMPACTS

CALFED funds are requested for Phase 1 of the project. In-kind services would be provided by NSD and SVCSD. Actual construction of pipelines and pump stations necessary to provide freshwater for salt pond restoration would not occur until after completion of preliminary planning, design, and environmental analysis. No third-party impacts are anticipated as a result of this project. Since the recycled water pipeline could be converted to other uses after the 10- to 25-year life of the restoration project, the project applicants would bear a proportional cost of project design and construction. The exact proportions would be determined as part of Phase 1 studies.

Phase 1: CALFED Funded Tasks	Cost per Task
1.1 Preliminary planning and feasibility study	\$40,000
1.2 Preliminary pipeline design	\$40,000
1.3 Environmental constraints study	\$25,000
1.4 California Environmental Quality Act (CEQA) / National Environmental Policy Act (NEPA) documentation	\$250,000
Phase 1 Total	\$355,000

E. APPLICANT QUALIFICATIONS

Michael Alexander, NSD General Manager, will lead a team of environmental specialists and engineers that will conduct Phase 1 of the project. The team, consisting of staff from NSD and SVCSD, with technical expertise from Environmental Science Associates (ESA), has successfully completed similar projects.

F. MONITORING AND DATA EVALUATION

The NSD team will work closely with CDFG and the U.S. Army Corps of Engineers to develop and implement a monitoring plan. NSD's involvement in monitoring will be limited to the recycled water aspects of the larger salt pond/marsh restoration project. Primary responsibility for biological monitoring of the Napa-Sonoma Marsh will rest with CDFG and the U.S. Army Corps of Engineers.

G. LOCAL SUPPORT/COORDINATION WITH OTHER PROGRAMS/COMPATIBILITY WITH CALFED OBJECTIVES

The proposed project has the support of the counties of Napa and Sonoma, CDFG, U.S. Army Corps of Engineers, Barbara Boxer (U.S. Senator), Richard Charter (former Executive Officer of the Sonoma Land Trust), Sonoma County Grape Growers Association, Sonoma County Conservation Action, Madrone Audubon Society, and Trout Unlimited. The project would benefit many existing and future restoration projects in the area and provide valuable information for salt pond restoration in the South Bay. The proposed project is compatible with all CALFED objectives.

IV. PROJECT DESCRIPTION

A. DESCRIPTION

The Napa Sanitation District (NSD), in conjunction with the Sonoma Valley County Sanitation District (SVCSD), proposes to provide freshwater in the form of treated wastewater effluent to support the restoration of inactive salt ponds in the North Bay by the California Department of Fish and Game (CDFG). CDFG currently owns approximately 8,000 acres of wetlands, and 750 acres of salt ponds, within the CDFG Napa-Sonoma Marsh Wildlife Area located along San Pablo Bay, between the Napa River and Sonoma Creek (Figures 1 and 2). The salt ponds are located in the northern portion of the wildlife area near Fly Bay and Coon Island. The project area is bounded by the Napa River to the east, Coon Island to the north, Skaggs Island to the west, and South Island and San Pablo Bay to the south, and entirely within the San Pablo Bay and Napa River watersheds (Figure 3).

In 1950, Leslie Salt Co. acquired many of the diked farmland areas in the North Bay region and converted them to salt ponds. Through intensively managed evaporation, a series of ponds with increasing salinity was created. After passing through the ponds, the concentrated seawater was transferred to crystallizers where the salt was harvested. After the salt was harvested from these ponds, residual liquid containing extremely high concentrations of seawater compounds, including salts other than NaCl, remained. This byproduct is known as "bittern." Each year, the bittern was pumped from the crystallizers into a bittern pond to be stored indefinitely.

In 1994, the State of California acquired all of the salt ponds on the west side of the Napa River from the Cargill Corporation and created the CDFG Napa-Sonoma Marsh Wildlife Area. Three of the ponds in the Wildlife Area contain bittern from 45 years of salt pond operations. Restoring these ponds through levee breaching or flushing with Napa River water is not feasible because the Regional Water Quality Control Board (RWQCB) will not allow bittern to be discharged into the Bay. However, the RWQCB will allow discharge from these ponds if the compounds in the bittern are diluted to near background levels. To sufficiently dilute the quantity of bittern stored in the three ponds will require enormous amounts of freshwater.

NSD and SVCSD operate treatment plants that provide wastewater treatment for some of the residents of Napa, American Canyon, the City of Sonoma, and surrounding areas. These treatment plants currently produce recycled water that is used for irrigation of vineyards, golf courses, and pastures. The remainder of the treated effluent is discharged to the Napa River and Schell Slough, respectively, which are tributaries to San Pablo Bay. The restoration of the salt ponds would be accomplished via the construction of pipelines and pump stations to convey treated effluent for dilution of the bittern. NSD and SVCSD would both contribute freshwater to the project for 10 to 25 years, the estimated time necessary to dilute the bittern to brackish or Napa River concentrations. The project would provide CDFG with the necessary freshwater resources to begin restoration of the salt ponds to tidal marsh.

The North Bay marshes provide habitat for many priority fish species including chinook salmon, delta smelt, splittail, longfin smelt, steelhead trout, green sturgeon, and for hundreds of thousands of migratory waterfowl, shorebirds, and wading birds.

B. SCOPE OF WORK

The project would be implemented by NSD and SVCSD, in consultation with CDFG and U.S. Army Corps of Engineers personnel. Consultants would be retained by NSD to perform preliminary project planning and design work, and conduct environmental impact analysis. Phase 1 of this project could be completed within 18 to 24 months of obtaining funding. Actual construction of the pipeline would not begin until completion of preliminary design and environmental analysis. Phase 2 of this work will be contingent on the findings of Phase 1. Restoration of the salt ponds would be expected to be ongoing, with full ecological recovery dependent on the availability of freshwater and natural processes that may take two decades. Implementation of this innovative tidal marsh restoration program could be used as a template for salt pond restoration efforts that may be undertaken in over 25,000 acres of salt ponds in the South Bay.

The proposed project includes preliminary planning and feasibility work, completion of an environmental constraints study, and preparation of a CEQA/NEPA compliance document. Preparation of plans and specifications for the conveyance pipeline system, project construction, distribution system operation and maintenance, and monitoring would occur in Phase 2 of the project for which no funding is currently being requested. Descriptions of Phase 1 tasks are presented below.

PRELIMINARY PLANNING AND FEASIBILITY STUDY

In this task, the quantity of available recycled water for the proposed project will be determined. Calculations will be made to determine the dilution capacity of the available freshwater, given the concentration of salts in the bittern, and the salinity of the receiving water.

PRELIMINARY PIPELINE DESIGN

A preliminary pipeline design and construction cost estimate will be prepared. Alternative pipeline alignments and pump station locations will be evaluated. Facility sizes and capacities will also be determined.

ENVIRONMENTAL CONSTRAINTS STUDY

Environmental constraints associated with the construction and operation of the recycled water conveyance system will be evaluated. Constraints may consist of wetlands or other biological resources within the pipeline corridor, cultural resources, noise from pump stations, and land use compatibility issues. The study will identify any potential environmental "fatal flaws" with the proposed project.

CEQA/NEPA COMPLIANCE DOCUMENT

An evaluation of potential environmental impacts associated with the construction of the conveyance pipeline system and the delivery of recycled water to the bittern ponds at the CDFG Napa-Sonoma Marsh Wildlife Area will be required. It is anticipated that this CEQA/NEPA compliance process will be completed within 18 to 24 months of obtaining funding. It is assumed that impacts of the restoration activities within the larger CDFG Napa-Sonoma Marsh Wildlife Area will be addressed by CDFG as part of ongoing studies.

C. LOCATION AND GEOGRAPHIC BOUNDARIES OF THE PROJECT

The project area is within the northern portion of the San Pablo Bay watershed and within the Napa River watershed. The State of California has designated the San Pablo Bay watershed as the highest priority for restoration due to the large-scale opportunity for benefit and high level of local support. The watershed consist of a series of sloughs, rivers, and tidal marshes. Upstream dams have changed the Napa River's hydrologic and hydraulic patterns considerably. Levees have been constructed throughout the floodplain to provide flood protection, and marshlands have been filled, drained, diked and cultivated for a variety of uses. Due to the unique nature of the San Pablo Bay/Napa River watersheds, and their ultimate connection with the delicate resources of the North Bay, several agencies and conservation groups have undertaken projects to preserve and restore the remaining fragments of the natural marsh and sloughs of the area, which this proposed project would complement.

Potential project pipeline routes from NSD's Soscol treatment plant and SVCSD's treatment plant to the bittern ponds are shown in Figure 2. Pump stations locations have not yet been identified. The proposed project in relation to other restoration projects is shown in Figure 4.

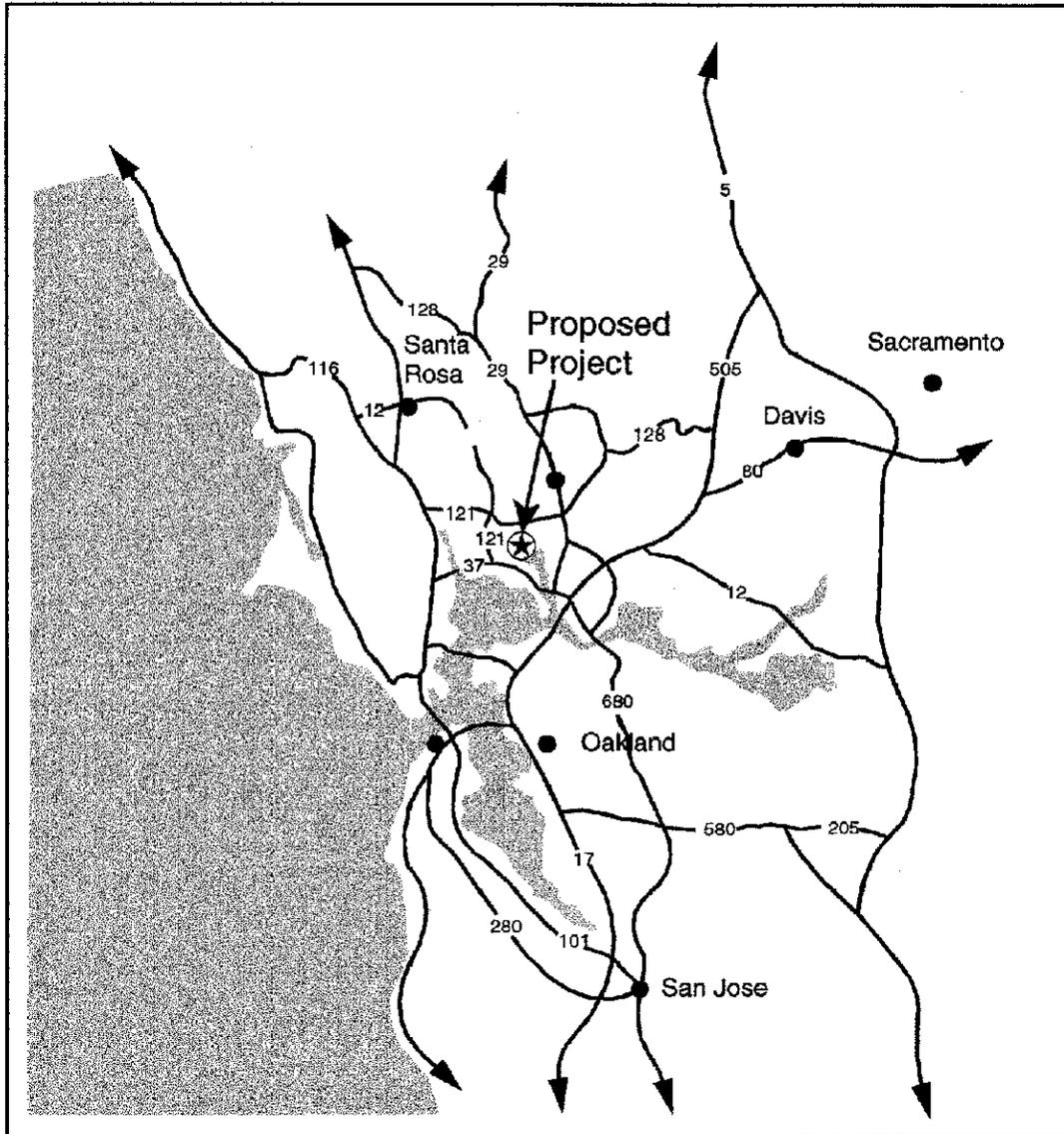


Figure 1
Project Location

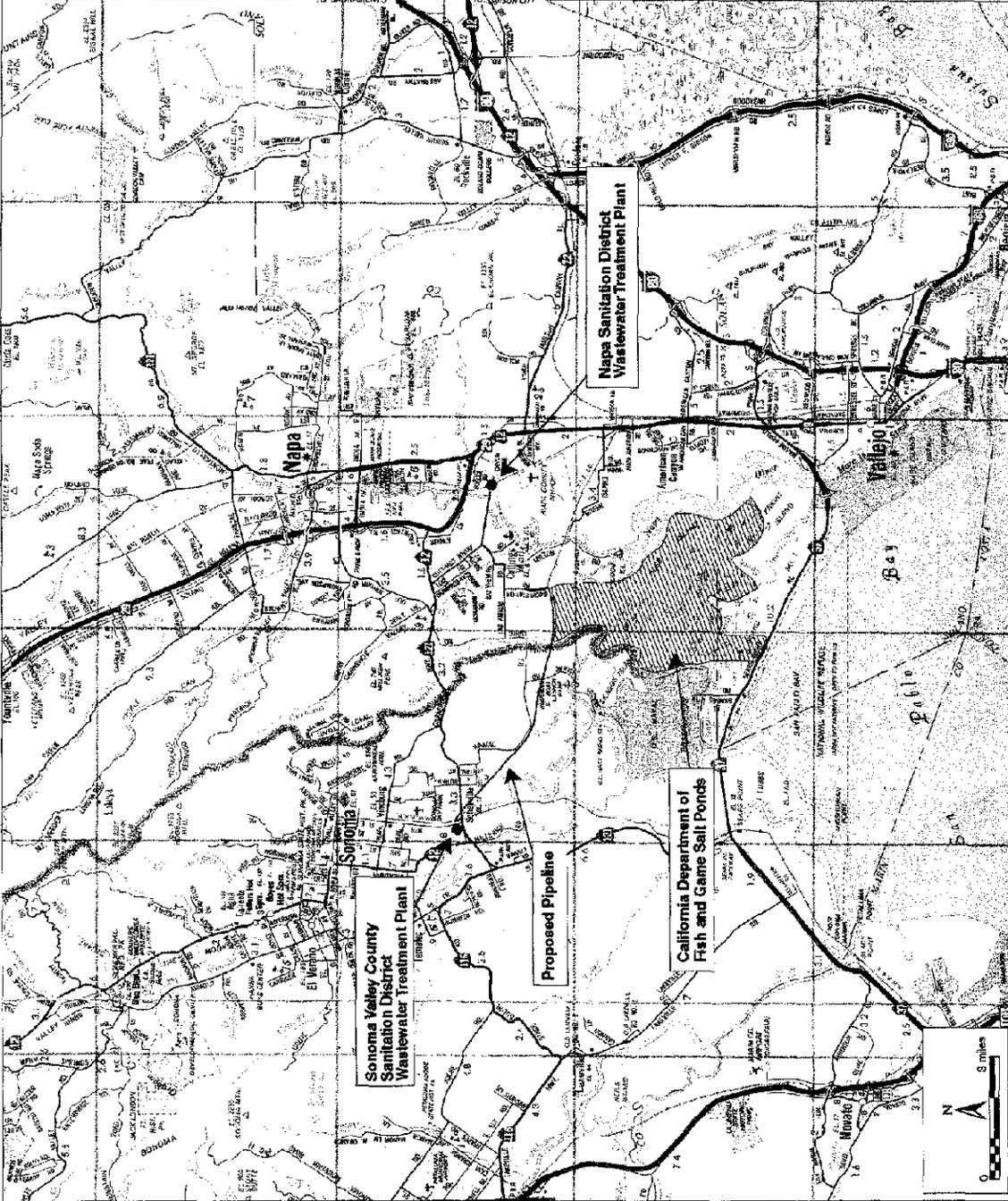


Figure 2
Proposed Pipeline to Salt Ponds

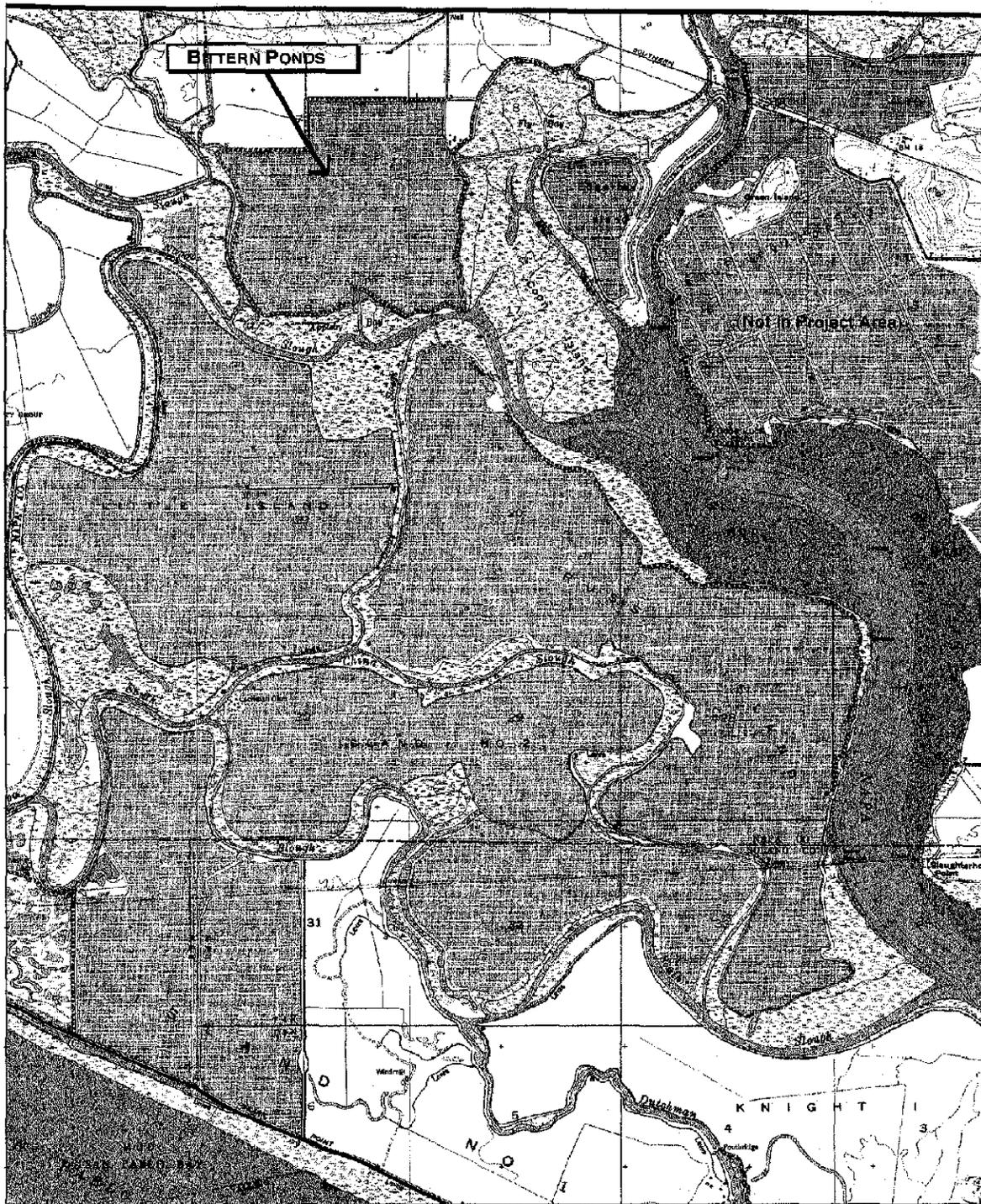


Figure 3
 Project Area Within the California Department of
 Fish and Game Napa-Somona Marsh Wildlife Area

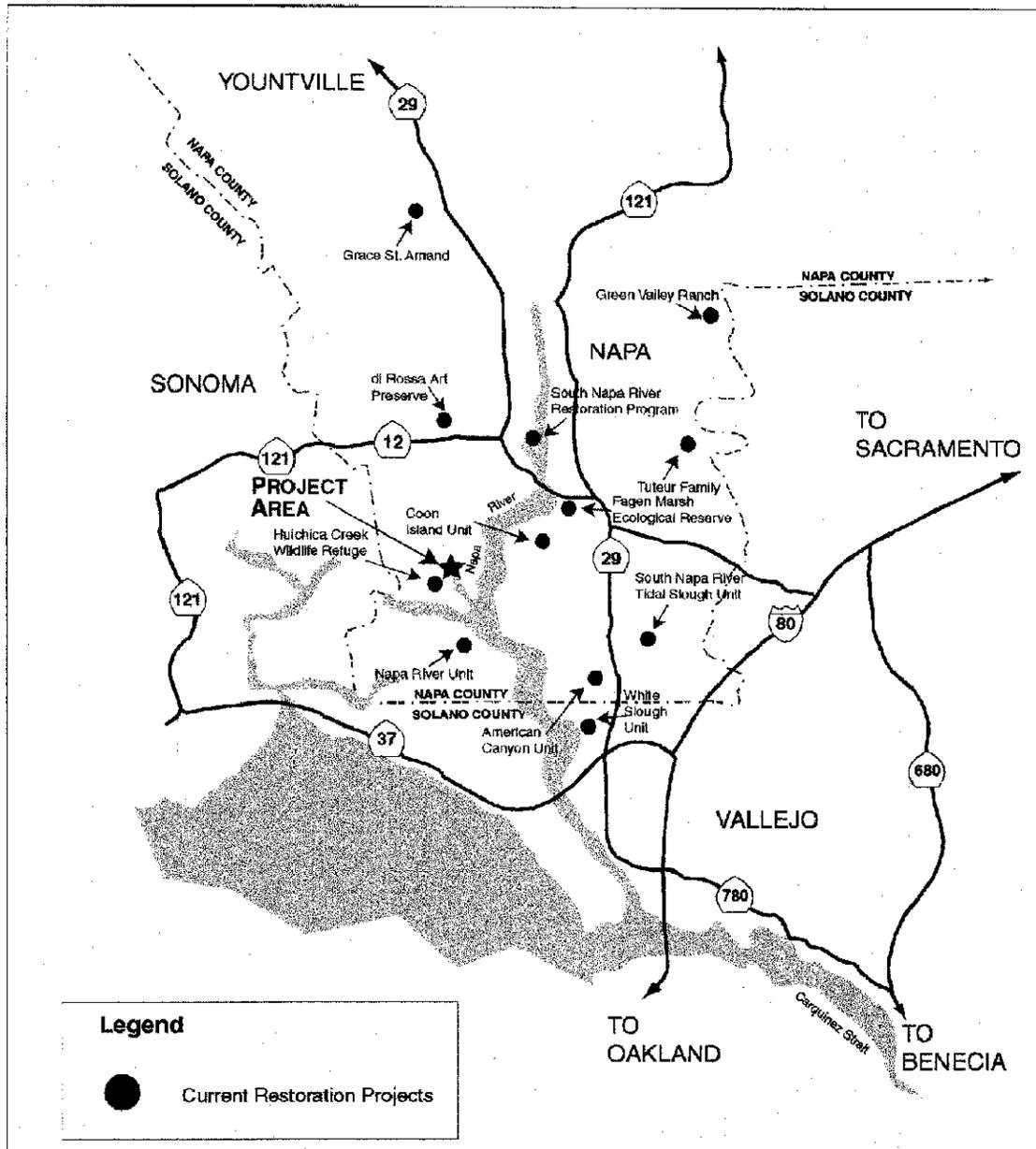


Figure 4
Project Area

V. ECOLOGICAL AND BIOLOGICAL BENEFITS

A. ECOLOGICAL AND BIOLOGICAL OBJECTIVES

Managed salt ponds, especially those with low salinity levels, and associated tidal marshes, provide important habitat for many species of resident migratory bird and fish species. These areas provide critical over-wintering and stopover habitat for migratory shorebirds and waterfowl, and year-round foraging habitat for resident species. At the same time, they provide spawning, rearing, migration, and refugia habitat for resident and migratory fish. At present, most of the inactive salt ponds in the North Bay contain high-salinity levels, which cannot readily support vegetation, rendering the area inhabitable for wildlife. Immense amounts of freshwater would be required to restore salinity to acceptable levels.

The Baylands Ecosystem Habitat Goals Project identified discharge from wastewater treatment facilities as one potential source of dilution water for salt ponds prior to discharge into the Bay. The use of treated wastewater to dilute otherwise potentially toxic "bittern" (a commercial salt production waste product) can be an integral part of salt pond restoration in the region. Treated effluent would aid in the reduction of salinity levels and provide a means of reducing the toxicity of hyper-saline brines from the salt ponds to allow eventual discharge to the Napa River. Removal of toxic substances will allow for vascular vegetation growth and increased estuarine productivity. This restoration would ultimately benefit fishes and diving ducks, and other species, by improving channel depth and water circulation, increasing estuarine productivity, and providing essential deepwater foraging and resting habitat.

Providing freshwater to reduce saline levels in the salt ponds would allow for the eventual restoration of tidal action by the CDFG and/or the U.S. Army Corp of Engineers. Restoring tidal exchange in the marsh would increase the production of lower trophic organisms, which in turn would improve the foodweb and increase the extent of the low-salinity zone (a zone of high biological productivity) to increase estuarine productivity. Restored tidal marsh, saline emergent marsh, and seasonal wetlands would provide critical habitat for many species targeted for preservation, including Sacramento River winter-run chinook salmon, delta smelt, striped bass, Sacramento splittail, longfin smelt, California clapper rail, salt marsh harvest mouse, and numerous shorebirds, wading birds, and waterfowl. Implementation of the proposed project would be consistent with CALFED goals for protecting and restoring native species, and protecting and rehabilitating large expanses of tidal wetland habitat, as identified in the ERPP.

B. LINKAGES TO ECOSYSTEM RESTORATION PROGRAM PLAN OBJECTIVES

The project will accelerate the reduction of saline levels in the salt pond thus aiding in the restoration of the salt ponds as managed saline ponds or brackish tidal marsh. Implementation represents an innovative approach to salt pond restoration in the Bay-Delta using treated effluent to reduce salinity and increase biological productivity in the region.

The project will specifically meet three ERPP objectives, as described in CALFED's Revised Draft ERPP Volume 2 (CALFED Bay-Delta Program February 1999), for the Napa River Ecological Unit in *the Suisun Marsh/ North San Francisco Management Zone Vision* section.

Summary of priority species, habitat usage, and expected benefits from implementation of the proposed Napa Salt Pond Restoration/Water Supply Project		
Priority Species	Priority Habitat	Expected Benefits
Winter-run and spring-run chinook	Chinook juveniles use the North Bay Marshes for rearing habitat.	Implementation of the proposed project will contribute to the restoration of approximately 750 acres of tidal marsh habitat as well as improve water quality in San Pablo. Benefits to the Bay, the North Bay Marshes, and their tributaries: The proposed project will reduce, and potentially eliminate, discharges from both plants to their respective receiving waters by making reclaimed water available for wetland restoration. In addition, the project will reduce the number of instream diversions as agricultural irrigators substitute reclaimed water for instream diversions. This will result in increased freshwater inflows from tributaries as well as decrease potential fish screening problems. The proposed project will provide an appropriate source of freshwater to facilitate the restoration of several former bittern ponds at the CDFG Napa-Sonoma Marsh Wildlife Area. The bittern ponds must be diluted to make the ponds suitable for migratory birds and other wildlife.
Delta smelt	Delta smelt use the North Bay Marshes for rearing.	
Splittail	Sacramento splittail use the North Bay Marshes during all life history phases including spawning, juvenile rearing, and foraging.	
Steelhead	Steelhead are known to inhabit every major tributary to San Pablo Bay and the North Bay Marshes. Steelhead spawn in the tributaries and use the North Bay Marshes during migration and rearing.	
Green sturgeon	Green sturgeon have been collected in San Pablo Bay.	
Striped bass	Striped bass are an economically important game species throughout the entire San Pablo Bay region.	
Migratory and resident birds	Hundreds of thousands of migratory waterfowl, shorebirds, and wading birds rely on the North Bay Marshes for breeding, foraging, roosting, and overwintering.	

- **Page 144 presents the natural floodplain and flood processes implementation objective:**
 - **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 active floodplain.
 - **Programmatic Action 1A:** Convert levied lands to tidal wetland/slough complexes.
 - **Stage 1 action:** Acquire and restore floodplains along the Napa River.

The proposed project would expand the floodplain function of the Napa River by adding an additional 8,000 acres of levied lands into active floodplain by reducing salinity in inactive salt ponds to acceptable salinity levels, and by providing

freshwater flows to support CDFG efforts to restore tidal influences to the former salt pond complex.

- **Page 145 presents the nontidal perennial aquatic habitat implementation objective:**
 - **Target 1:** Develop 1,600 acres of deeper (3-6 feet deep) open-water areas to provide resting habitat for water birds, foraging habitat for diving ducks and other water birds, foraging habitat for diving and other water birds that feed in deep water.
 - **Programmatic Action 1B:** Develop a cooperative program to acquire and develop 400 acres of deeper open-water areas adjacent to restored saline emergent wetland habitats in each the Napa River, Sonoma Creek, and Petaluma River Ecological Management Unit (1,200 acres total).

The proposed project would aid in the enhancement of managed saline ponds and restoration of inactive salt ponds to tidal brackish marsh habitat.

- **Page 146 presents the saline emergent wetlands implementation objective:**
 - **Target 1:** Restore tidal action to 5,000 to 7,000 acres in the Suisun Bay and Marsh Ecological Management Unit; 1,000 to 2,000 acres in the Napa River Ecological Management Unit; 500 to 1,000 acres each in the Sonoma Creek, Petaluma River, and San Pablo Bay Ecological Management Units.

The introduction of treated effluent would greatly accelerate the tidal marsh restoration process.

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

This project would directly benefit the CDFG's Napa Sonoma Marsh project, Huichica Creek Wildlife Refuge, CALFED restoration projects to the southeast, and the San Pablo Bay Watershed Restoration Study (see Figure 4). The project would also aid in accomplishing goals drafted by the San Francisco Bay Area Wetlands Ecosystem Goals Project and the San Francisco Estuary Project. In addition, the proposed project would complement the U.S. Fish and Wildlife Service restoration effort within the Napa-Sonoma Marsh and contribute to the San Pablo Bay National Wildlife Refuge. The project is consistent with 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 would directly support CALFED's Water Quality and Levee Stability Program objectives. Restoration of the salt ponds would provide a suitable method for discharge of treated effluent, which otherwise would be released directly into the Napa River and consequently San Pablo Bay. The reduction of salinity levels in the ponds would allow for the possible breaching of southern levees to restore tidal flow into the project area. This action would reduce pressure on the remaining levees subsequently contributing to levee stability.

VI. TECHNICAL FEASIBILITY AND TIMING

A. ALTERNATIVES TO PROPOSED APPROACH

Restoration of the salt ponds through levee breaching or other techniques is not feasible due to the current high-salinity levels in the ponds. The RWQCB does not allow direct discharge of hyper-saline brine or bittern directly into the bay. Saline levels would have to be reduced to Napa River levels before discharge. Use of alternative water sources to dilute salinity levels are not feasible due to the brackish nature of the Napa River and due to lack of another large source of fresh water.

B. ENVIRONMENTAL COMPLIANCE DOCUMENTS

It is anticipated that a project-level Environmental Impact Report/Environmental Impact Statement (EIR/EIS) will be required to comply with CEQA and NEPA. The EIR/EIS will only address potential environmental impacts associated with the recycled water conveyance system. It is assumed that issues associated with the use of the recycled water in the CDFG Napa-Sonoma Marsh Wildlife Area will be addressed in separate environmental documentation being prepared by CDFG and the U.S. Army Corps of Engineers.

NSD will be required to obtain the following permits with the agencies indicated for work associated with Phase 2, for which funding is not requested at this time.

- U.S. Army Corps of Engineers approval of permits under **Section 404** of the Clean Water Act for the filling of jurisdictional wetlands.
- California Department of Fish and Game Streambed Alteration Agreement under California Fish and Game Code Division 2, **Section 1601**.
- U.S. Fish and Wildlife Service Section 7 Consultation under the Federal Endangered Species Act if endangered species may be impacted by the project.
- Regional Water Quality Control Board under **Section 401** of the Clean Water Act Rivers and Harbors Act of 1899 **Section 10, 33 USC 403** (1994).

NSD will reach an agreement with the U.S. Army Corps of Engineers in regards to all applicable regulations and permitting and with the RWQCB to regulate the discharge of bittern and hyper-saline brines in Bay waters.

Other than lack of funding, no obstacles to project implementation have been identified.

VII. MONITORING AND DATA EVALUATION

To analyze the effectiveness of this project to improve water and habitat quality of the bittern ponds, a comprehensive monitoring program would be implemented in conjunction with CDFG, U.S. Army Corps of Engineers, and other relevant agencies or groups. Prior to project implementation, baseline sampling would be conducted on recycled water from NSD and SVCSD. Existing water quality data would also be gathered for the Napa River and San Pablo Bay.

Once the project is initiated, water quality monitoring would be conducted on the recycled water prior to entering the bittern ponds, and in the bittern ponds. Water quality monitoring would begin immediately after the project is implemented and would be conducted during neap tide series on a monthly to quarterly basis. Water quality variables assessed in bittern ponds would include salinity, pH, dissolved oxygen (DO), and temperature.

Monitoring of additional parameters would begin one year after the project is implemented. In addition to water quality monitoring, analysis of marine salts (NaCl), bittern salts (NaMgCl, etc.), pH, and reduction-oxidation of sediments would be conducted. Abundance and species number of benthic invertebrates would also be sampled several times annually. Depending on the time scale anticipated for reclamation of the bittern ponds, monitoring could be conducted during years 1, 3, 5, 7, and 10 or on an annual basis for five years following project implementation. Subsequent monitoring of habitat development would be assumed by the managing agency.

For construction of recycled water conveyance facilities, monitoring of environmental resources would occur before, during, and after construction. Monitoring would be consistent with CEQA Mitigation Monitoring Requirements.

A. BIOLOGICAL AND ECOLOGICAL OBJECTIVES AND MONITORING PARAMETERS

Monitoring and data collection will be developed to demonstrate:

- 1) sample collection procedures are appropriate for achieving project objectives,
- 2) identified analytical procedures are appropriate for achieving project objectives,
- 3) quality control procedures are sufficient for obtaining data of known quality, and
- 4) data collected is technically defensible.

A Data Quality Assurance and Control Plan will be developed to achieve established project objectives and address concerns of parties involved. Collected data would be used to help focus allocation of future resources in areas best suited or of greatest need. Furthermore, data would be used to monitor the overall health of the constructed system, and predict and adverse ecological impacts.

OBJECTIVE: Restoration of salt ponds to tidal brackish marsh and managed saline pond via introduction of treated wastewater effluent to reduce salinity levels.			
Hypothesis to be evaluated	Monitoring Parameter(s) and Data collection	Data Evaluation Approach	Comments
Use of treated wastewater to dilute bittern and then discharge to the Napa River or San Pablo Bay will not result in bio-accumulation of toxic substances or toxicity.	<p>Parameters would include: trace metals, general aggregate physical properties, nutrients.</p> <ul style="list-style-type: none"> ▪ the movement of trace metals and other contaminants through the various media, including salt pond sediments and surface waters ▪ analysis of marine salts (NaCl), bittern salts (NaMgCl, etc.), pH, and reduction-oxidation of sediments ▪ the potential bioaccumulation of contaminants through the various biotic trophic levels utilizing the salt ponds ▪ influent (reclaimed water) quality 	<p>Sediment samples could be sampled for pore-water chemistry, sediment effluent chemistry, and dry weight analysis.</p> <p>Data collection approach will first include a comprehensive exploratory sampling program serving to establish a baseline time-zero sediment/water quality characterization.</p>	<p>Monitoring and data collection would proceed on a regular or seasonal basis.</p> <p>Sample collection will follow established and effectively utilized sampling protocols outlined in existing monitoring programs such as the <i>San Francisco Estuary Regional Monitoring Program for Trace Substances</i>.</p>
Treated wastewater effluent can be utilized as an effective means of salt pond restoration to restore tidal marsh habitat values and support target species.	<p>Parameters would include:</p> <ul style="list-style-type: none"> ▪ establishment of marsh vegetation ▪ occurrence of resident and migratory fish and bird species ▪ occurrence of benthic macroinvertebrates 	<p>Vegetation recolonization would be assessed through monitoring of permanent transects and aerial photography mapping</p> <p>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.</p> <p>Abundance and species number of benthic invertebrates would also be sampled several times annually.</p>	<p>Depending on the time scale anticipated for reclamation of the bittern ponds, monitoring could be conducted during years 1, 3, 5, 7, and 10 or on an annual basis for five years following project implementation.</p>

VIII. LOCAL INVOLVEMENT

The project enjoys support from the Sonoma Valley County Sanitation District (SVCSO), the California Department of Fish and Game (CDFG), and the U.S. Army Corps of Engineers. Napa County and the U.S. Fish and Wildlife Service have been notified of this project. Other supporters include:

- Sonoma County
- Barbara Boxer (U.S. Senator)
- Richard Charter (former Executive Officer of the Sonoma Land Trust)
- Sonoma County Grape Growers Association
- Sonoma County Conservation Action
- Madrone Audubon Society
- Trout Unlimited

Support letters are attached.

IX. COST AND SCHEDULE

A. BUDGET

The project budget is shown in the following table. Phase 1 costs can accurately be predicted at this time, and therefore they are indicated. Phase 2 costs for final design and construction cannot be estimated until feasibility studies and preliminary planning are completed, and therefore no estimates for Phase 2 tasks are provided.

B. SCHEDULE

The proposed schedule is shown below. It is anticipated that Phase 1 task will take between 12 and 18 months to complete.

Phase 1 - Tasks	Completion Date
CALFED Funding	September 1999
Preliminary Planning and Feasibility Study	March 2000
Preliminary Pipeline Design	June 2000
Environmental Constrains Study	January 2001
CEQA/NEPA Documentation	January 2001
PHASE 2	
Final Design	To be determined
Permitting	To be determined
Project construction	To be determined
Monitoring	To be determined

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 (1999 CALFED Funding Request)						
1.1. Preliminary planning and feasibility study						
Subtask A - NSD staff time	300	\$15,000				\$15,000 ^b
Subtask B - SVCSD staff time	300	\$15,000				\$15,000 ^c
Subtask C - Consultant			\$40,000			\$40,000 ^a
1.2. Preliminary Pipeline Design						
Subtask A - NSD staff time	300	\$15,000				\$15,000 ^b
Subtask B - SVCSD staff time	300	\$15,000				\$15,000 ^c
Subtask C - Consultant			\$40,000			\$40,000 ^a
1.3. Environmental Constraints Study						
Subtask A - NSD staff time	100	\$5,000				\$5,000 ^b
Subtask B - SVCSD staff time	100	\$5,000				\$5,000 ^c
Subtask C - Consultant			\$25,000			\$25,000 ^a
1.4. CEQA/NEPA Documentation						
Subtask A - NSD staff time	600	\$30,000				\$30,000 ^b
Subtask B - SVCSD staff time	600	\$30,000				\$30,000 ^c
Subtask B - Consultant			\$250,000			\$250,000 ^a
Phase 1 Total	2,600	\$130,000	\$355,000	\$0	\$0	\$485,000
Phase 2 (Possible Future CALFED Funding Request)						
2.1. Permitting						Cost estimate to be determined as part of Phase 1 study
2.2. Final Design						Cost estimate to be determined as part of Phase 1 study
2.3. Project Construction						Cost estimate to be determined as part of Phase 1 study
2.4. Monitoring						Cost estimate to be determined as part of Phase 1 study
Phase 2 Total						

Source of Funding:

- a CALFED
- b Napa Sanitation District
- c Sonoma Valley County S. D.

Phase 1 Funding Summary:

CALFED	\$355,000
Napa Sanitation District	\$65,000
Sonoma Valley County S.D.	\$65,000
Phase 1 Total	\$485,000

X. COST SHARING

Funding for preliminary planning and feasibility studies for the project is primarily being requested from CALFED; however, substantial commitments of staff time to assist with the evaluation of the project have been made by Napa Sanitation District (NSD) and the Sonoma Valley County Sanitation District (SVCSD).

Costs for the pipeline project would be borne by NSD, SVCSD, and CALFED, in proportion to the benefits expected to be received by: 1) the environment, 2) NSD, and 3) SVCSD.

NSD and SVCSD are expected to directly benefit from the project because the salt ponds would provide an alternate effluent discharge location, and because the pipelines and pump stations built for the project could be used to deliver recycled water to irrigation customers after CDFG no longer needs the water for dilution. For these reasons, NSD and SVCSD would be willing to finance a portion of Phase 2 design and construction. The amount of the cost sharing commitment would be determined by the information generated in the Phase 1 studies.

NSD and SVCSD would also provide several thousand acre-feet of recycled water annually with a current value of \$250 per acre-foot. This is the amount currently charged by NSD to recycled water irrigation users. Assuming use of a total of 3,000 acre-feet per year, this contribution would be worth \$750,000 annually. The amount of recycled water actually provided would be a function of both need and availability. The quantity of water needed for dilution purposes will be determined by CDFG and U.S. Army Corps of Engineers as a result of ongoing studies. The quantity of recycled water that would be available from NSD and SVCSD will be more accurately calculated as part of proposed Phase 1 studies.

Costs for actual restoration activities in the CDFG Napa-Sonoma Marsh Wildlife Area are being borne by CDFG and the U.S. Army Corps of Engineers as part of a separate project.

XI. APPLICANT QUALIFICATIONS

Project team members and their qualifications are presented below. Members of the team have implemented similar projects in their roles in public agencies and as environmental or engineering consultants.

MICHAEL ALEXANDER, GENERAL MANAGER, NAPA SANITATION DISTRICT

PROPOSED ROLE IN NAPA SALT POND RESTORATION PROJECT: PROJECT MANAGER

Relevant Experience:

Michael Alexander holds a Masters of Business Administration from Seattle University, a Bachelor of Science in Mechanical Engineering from Portland State University, and is a licensed Mechanical Engineer in the states of California, Oregon, and Washington.

Mr. Alexander is the current General Manager for the Napa Sanitation District and manages all day-to-day operations of the district, including administration, operation, maintenance, and planning. Prior professional experience include: General Manager, Valley of the Moon Water District; Technical Service Manager/Acting General Manager, Delta Diablo Sanitation District; Project/Construction Manager, Sverdrup Corporation. Mr. Alexander is experienced in the CEQA/NEPA process and current environmental issues. He has extensive experience with all aspects of wastewater treatment plant and recycled water system operations. He is also a member of the American Society of Mechanical Engineers, Association of California Water Agencies, American Water Works Association, and the American Academy of Environmental Engineers.

RANDY D. POOLE, GENERAL MANAGER/CHIEF ENGINEER, SONOMA COUNTY WATER DISTRICT

PROPOSED ROLE IN NAPA SALT POND RESTORATION PROJECT: PROJECT SUPPORT

Relevant Experience:

Randy D. Poole holds a Bachelor of Science degree in Agricultural Engineering from Oregon State University (1976) and is a registered Professional Civil Engineer in the states of California and Oregon. He is currently the General Manager/Chief Engineer for the SCWD and on the staff of the SCVSD. Prior to that, his professional career includes service as Chief Engineer for the SCWD (1991-94), Chief Engineer/Assistant General Manager for the Marin Municipal Water District (1989-91), and Senior Engineer for the City of Portland, Bureau of Water Works, in Portland, Oregon (1986-89).

Mr. Poole is experienced in CEQA/NEPA and environmental issues, all levels of management for the design, construction, operation, and maintenance of major water, wastewater, and recreational water facilities, including dams, treatment plants, reservoirs, pump stations, storage tanks, groundwater well field systems, larger-diameter pipelines, and other appurtenant facilities. He is also experienced in all phases of water and wastewater supply transmission, storage, pumping, distribution, water rights issues, and groundwater recharge-extraction programs. His professional memberships include the American Water Resources Association, American Water Works Association, and the American Society of Civil Engineers.

SEAN K. WHITE, PRINCIPAL ENVIRONMENTAL SPECIALIST, SONOMA COUNTY WATER DISTRICT

PROPOSED ROLE IN NAPA SALT POND RESTORATION PROJECT: PROJECT SUPPORT

Relevant Experience:

Sean K. White holds a Bachelor of Science degree in Fisheries Biology from Humboldt State University (1991). He is currently the Supervising Environmental Specialist (Fisheries) for the SCWD, where he manages the Fisheries Enhancement Program. Prior to that, his professional career includes service as the resident Fisheries Biologist and Wildlife Ecologist for Wetlands Research Associates, Inc., in San Rafael, California, and also a Director on the Marin Municipal Water District Board of Directors.

Mr. White has authored the fisheries component for numerous environmental documents, including *Biological Assessment, Route 37 Improvements White Slough Specific Area Plan Environmental Studies (1995)*, *Cargill Salt Environmental Assessment (1994)*, and *Redwood High School Marsh Enhancement Monitoring (1993)*. In addition, he has engaged in a wide variety of fishery resource surveys and has utilized numerous restoration techniques.

DAVID ZWEIG, SACRAMENTO OFFICE DIRECTOR, ENVIRONMENTAL SCIENCE ASSOCIATES

PROPOSED ROLE IN NAPA SALT POND RESTORATION PROJECT: ENGINEERING STUDIES

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 NAPA SALT POND RESTORATION PROJECT: CEQA/NEPA TASK MANAGER

Relevant Experience:

- Several years of technical and practical experience with reviewing and commenting on environmental documentation particularly biological opinions, and EIRs, EISs, and Environmental 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 U.S. Congress Office of Technology Assessment on fisheries related issues particularly those associated with dams and diversions.

XII. COMPLIANCE WITH STANDARD TERMS AND CONDITIONS

The Napa Sanitation District, as Applicant, 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. 3-85) FMC

COMPANY NAME

Napa Sanitation District

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

Michael Alexander, General Manager

DATE EXECUTED

April 16, 1999

EXECUTED IN THE COUNTY OF

Napa County

PROSPECTIVE CONTRACTOR'S SIGNATURE

PROSPECTIVE CONTRACTOR'S TITLE

General Manager

PROSPECTIVE CONTRACTOR'S LEGAL BUSINESS NAME

Napa Sanitation District

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.

DI-2018
March 1995
(This form consolidates DI-1952, DI-1954,
DI-1955, DI-1956 and DI-1963)

**NONCOLLUSION AFFIDAVIT TO BE EXECUTED BY
BIDDER AND SUBMITTED WITH BID FOR PUBLIC WORKS**

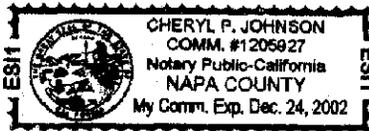
STATE OF CALIFORNIA)
)ss
COUNTY OF Napa)

Michael Alexander , being first duly sworn, deposes and
(name)
says that he or she is General Manager of
(position title)
Napa Sanitation District
(the bidder)

the party making the foregoing bid that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

DATED: 4-15-99

By [Signature]
(Person signing for bidder)



(Notarial Seal)

Subscribed and sworn to before me on

April 15, 1999

Cheryl P. Johnson

(Notary Public)

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 numbers(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)

Napa Sanitation District

P.O. Box 2480

Napa, CA 94558 (Napa County)

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

Within Napa River/San Pablo Bay watershed and California Department of Fish and Game
Napa-Sonoma Marsh Wildlife Area located above San Pablo Bay between Napa River and Sonoma

PART D: Certification Regarding Drug-Free Workplace Requirements

Creel

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

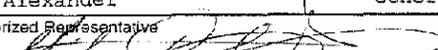


TYPED NAME AND TITLE Michael Alexander, General Manager

DATE April 16, 1999

**APPLICATION FOR
FEDERAL ASSISTANCE**

OMB Approval No. 0348-0043

1. TYPE OF SUBMISSION: Application <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Non-Construction Preapplication <input type="checkbox"/> Construction <input type="checkbox"/> Non-Construction		2. DATE SUBMITTED April 16, 1999	Applicant Identifier
		3. DATE RECEIVED BY STATE	State Application Identifier
		4. DATE RECEIVED BY FEDERAL AGENCY	Federal Identifier
5. APPLICANT INFORMATION			
Legal Name: Napa Sanitation District		Organizational Unit:	
Address (give city, county, State, and zip code): P.O. Box 2480 Napa, California 94558 Napa County		Name and telephone number of person to be contacted on matters involving this application (give area code) Michael Alexander, (707) 258-6000	
6. EMPLOYER IDENTIFICATION NUMBER (EIN): 94-6050046		7. TYPE OF APPLICANT: (enter appropriate letter in box) A. State B. County C. Municipal D. Township E. Interstate F. Intermunicipal G. Special District H. Independent School Dist. I. State Controlled Institution of Higher Learning J. Private University K. Indian Tribe L. Individual M. Profit Organization N. Other (Specify) _____ <input checked="" type="checkbox"/> G	
8. TYPE OF APPLICATION: <input checked="" type="checkbox"/> New <input 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:	
10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER: TITLE: N/A		11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT: Napa Salt Pond Restoration/Water Supply Project	
12. AREAS AFFECTED BY PROJECT (Cities, Counties, States, etc.): Napa, Napa County, Sonoma County, California			
13. PROPOSED PROJECT		14. CONGRESSIONAL DISTRICTS OF:	
Start Date 9/99	Ending Date 1/01	a. Applicant 1	b. Project 1
15. ESTIMATED FUNDING:		16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?	
a. Federal	\$ 00	a. YES. THIS PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW ON: DATE _____	
b. Applicant Napa Sanitation District	\$ 65,000	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	\$ 00	17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT? <input type="checkbox"/> Yes If "Yes," attach an explanation. <input checked="" type="checkbox"/> No	
d. Local Sonoma Valley County Sanitation District	\$ 65,000		
e. Other CALFED	\$ 355,000		
f. Program Income	\$ 00		
g. TOTAL	\$ 00		
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 Michael Alexander	b. Title General Manager	c. Telephone Number (707) 258-6000	
d. Signature of Authorized Representative 		e. Date Signed April 16, 1999	

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

I - 0 1 5 6 1 7

I-015617

BUDGET INFORMATION - Non-Construction Programs

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. CALFED	--	\$ 355,000	\$	\$	\$	\$ 355,000
2. NSD/SVCSD	--		130,000			130,000
3.						
4.						
5. Totals		\$ 355,000	\$ 130,000	\$	\$	\$ 485,000

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1) CALFED	(2) NSD/SVCSD	(3)	(4)	
a. Personnel	\$	\$ 130,000	\$	\$	\$ 130,000
b. Fringe Benefits					
c. Travel					
d. Equipment					
e. Supplies					
f. Contractual					
g. Construction					
h. Other	355,000				355,000
i. Total Direct Charges (sum of 6a-6h)					
j. Indirect Charges					
k. TOTALS (sum of 6i and 6j)	\$ 355,000	\$ 130,000	\$	\$	\$ 485,000
7. Program Income	\$ 0	\$ 0	\$	\$	\$ 0

1-015618

1-015618

1-015619

SECTION C - NON-FEDERAL RESOURCES					
(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS	
8. NSD/SVCSD	\$ 130,000	\$	\$	\$ 130,000	
9.					
10.					
11.					
12. TOTAL (sum of lines 8 - 11)	\$ 130,000	\$	\$	\$ 130,000	
SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ 355,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 115,000
14. NonFederal	130,000	35,000	35,000	35,000	25,000
15. TOTAL (sum of lines 13 and 14)	485,000	115,000	115,000	115,000	140,000
SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT					
(a) Grant Program	FUTURE FUNDING PERIODS (Years)				
	(b) First	(c) Second	(d) Third	(e) Fourth	
16. N/A	\$	\$	\$	\$	
17.					
18.					
19.					
20. TOTAL (sum of lines 16-19)	\$	\$	\$	\$	
SECTION F - OTHER BUDGET INFORMATION					
21. Direct Charges:		22. Indirect Charges:			
23. Remarks:					

1-015619

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. §§4801 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 Michael Alexander, General Manager
APPLICANT ORGANIZATION Napa Sanitation District	DATE SUBMITTED April 12, 1999

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

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. 93-323); 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 Michael Alexander, General Manager
APPLICANT ORGANIZATION Napa Sanitation District	DATE SUBMITTED April 12, 1999

SF 424D (Rev. 4/92) Back

Attachment B
Letters of Support

BARBARA BOXER
CALIFORNIA

COMMITTEE:
APPROPRIATIONS,
BANKING, HOUSING, AND
URBAN AFFAIRS,
BUDGET,
ENVIRONMENT
AND PUBLIC WORKS

United States Senate

HART SENATE OFFICE BUILDING
SUITE 112
WASHINGTON, DC 20510-0606
(202) 224-3883
mailto:barbara@senate.gov
http://www.senate.gov/~boxer

July 25, 1997

Kate Hansel
CALFED Bay-Delta Program
1416 9th Street, #1155
Sacramento, CA 95814

Dear Ms. Hansel:

I am writing in support of the Sonoma County Water Agency's application for CALFED Bay-Delta funding.

I understand that the five proposed projects would create significant environmental benefits while improving the quality of life for Sonoma County residents.

These important restoration efforts are designed to provide critical improvements to water quality, protect and restore the ecosystem by helping sustain diverse and valuable plant and animal species, and facilitate wetlands restoration. More specifically, the Sonoma County Water Agency plans to upgrade wastewater treatment centers to meet tertiary-treatment levels, reduce discharges of treated wastewater to San Pablo Bay, provide recycled water to local agriculture, supply an alternative to freshwater use for wetland restoration, and off-set freshwater diversions in the San Antonio Creek Watershed.

CALFED funding is important to the advancement of these worthy projects. I urge you to give Sonoma County Water Agency's application your most serious consideration. If you have any questions, please contact Gia Daniller in my San Francisco office at 415-403-0113.

Thank you for your attention to this matter.

Sincerely,



Barbara Boxer
United States Senator

BB/gd/jls

7700 MONTGOMERY STREET SUITE 200 SAN FRANCISCO, CA 94111 (415) 403-0100
 2200 EAST IMPERIAL HIGHWAY EL SEGUNDO, CA 90245 (310) 414-2700
 500 CAPITOL MALL SUITE 600A SACRAMENTO, CA 95814 (916) 448-2207
 2300 TULARE STREET SUITE 100 FRESNO, CA 93711 (202) 442-2100
 330 S STREET SUITE 200 SAN DIEGO, CA 92101 (619) 231-2000
 210 NORTH E STREET SUITE 210 SAN BERNARDINO, CA 92401 (951) 902-2000

PRINTED ON RECYCLED PAPER

Richard Charter

6947 Cliff Avenue, Bodega Bay, CA 94923
(707)875-3482 (707)875-2345 fax (707)875-2947

July 22, 1997

CALFED Bay-Delta Program
1416 Ninth Street, Suite 1155
Sacramento, CA 95814

To Whom It May Concern:

I am writing in support of a grant proposal by the Sonoma County Water Agency for a recycled water distribution pipeline connecting the City of Petaluma and the City of Santa Rosa Subregional Treatment Plants. It is clear that this project could facilitate the restoration of degraded bayfront wetland habitat at the Cargill site and would also provide a very significant contribution to the utilization of treated wastewater for agricultural irrigation and for other constructive purposes.

I have been a direct participant in the restoration of tidal wetlands at the Sonoma Baylands Project and the Petaluma River Tidal Marsh Restoration Project during my former tenure as Executive Director of the Sonoma Land Trust. I appreciate the complexity of habitat restoration projects and the challenges faced by agencies seeking to carry out such projects, particularly when it comes to securing an allocation of fresh water in a water-scarce region.

My support is contingent upon thorough environmental review of the proposed project and the concurrence of all relevant regulatory agencies that the project would enhance the health of San Francisco Bay.

Sincerely,

Richard Charter

Richard Charter

July 22, 1997

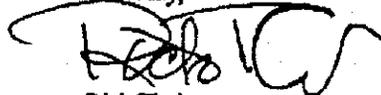
CALFED Bay Delta Program
1416 Ninth St., Suite 1155
Sacramento, CA 95814

RE: Sonoma County Water Agency Fund Requests

The Sonoma County Grape Growers Association urges you to support the five major restoration planning efforts by the Sonoma County Water Agency. All projects will have a beneficial effect on the Sonoma County environment. These projects will significantly improve habitat for fisheries, migratory waterfowl, shorebirds and wading birds in the Bay Area. A healthy wildlife habitat is important to achieve a sustainable Bay Area where agriculture can thrive. Also, one of the projects may potentially benefit agriculture in the Lakeville area, which we strongly support.

Thank you for your consideration.

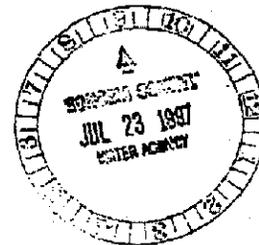
Cordially,



Rick Theis
Executive Director



850 Second Street, Suite C • Santa Rosa, California 95404 • (707) 576-3110



SONOMA COUNTY CONSERVATION ACTION

540 Pacific Avenue, Santa Rosa, CA 95404

Phone: (707) 571-8566 • FAX: (707) 575-890

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Executive Director

Mark Green

Program Director

Joelle Goncalves

FPCC ID #911196

Tuesday, July 22, 1997

Randy Poole
General Manager
Sonoma County Water Agency
2150 West College Ave.
Santa Rosa, CA 95401



Dear Randy:

I am writing on behalf of Sonoma County Conservation Action, the county's largest conservation organization with more than 7,500 member households in Sonoma County. Conservation Action organizers personally contact 50,000 households per year, which provides us with a clear sense of the local political pulse.

We are writing in reference to the application for Cal/ Fed grant funding by the Sonoma County Water Agency for proposed wastewater pipeline projects which would serve to provide irrigation with tertiary-treated wastewater to agriculture in southern Sonoma County and to flush the Cargill salt pond site in southern Napa County with overflow wastewater for purposes of restoring the Cargill site as a functioning bay-wetland.

Conservation Action supports the Agency's application for Cal/ Fed funding for the southern Sonoma County project, for the following reasons and subject to the caveats listed on the following page:

- Tertiary treated wastewater is a high-quality resource developed at great cost by the communities of our county.
- Local agriculture should benefit from the use of this water rather than demanding more withdrawal of fresh water from the Russian River.
- A vital agricultural economy is the best defense against urban encroachment into the world-class agricultural lands of Sonoma County.
- In light of the historical eradication of 90% of San Francisco Bay's wetlands, the restoration of 10,000 acres of bay wetlands at the Cargill site would constitute a major step forward in enhancing the biological health of the Bay.

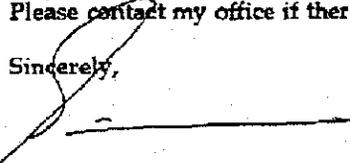
Conservation Action's tentative endorsement of this project is subject to the following conditions:

- That the net environmental impacts of the proposed projects be thoroughly studied and that all appropriate regulatory agencies agree that the project would enhance the health of land and waterways in Sonoma County and of San Francisco Bay ecosystems.
- That the Sonoma County Water Agency adopts policies which commit the Agency to principles of stewardship and environmental responsibility in managing its reclaimed water collection and distribution systems.
- That the Agency commit to creating permanent mechanisms, such as advisory committees, through which the local environmental community will have greater access to information about the activities of the Agency and greater input into the decision-making of the Agency.

If these criteria are agreed to by the Sonoma County Water Agency, Sonoma County Conservation Action supports SCWA's application for Cal/ Fed grant funding for the Cargill project.

Please contact my office if there are questions.

Sincerely,



Mark Green
Executive Director



Madrone Audubon Society
INCORPORATED

July 22, 1997

CALFED
1416 9th Street #1155
Sacramento, CA 95814

Re: Bay Delta Program
Sonoma County Water Agency

Dear Sir or Madam:

The Madrone Audubon Society, a local chapter of the National Audubon Society, expresses its support for a CALFED grant for the Napa-Sonoma Marsh Wildlife Project proposed by the Sonoma County Water Agency.

This project would enable millions of gallons of tertiary treated wastewater from the Laguna Subregional Wastewater Treatment Plant to be piped to the former Cargill Salt Ponds in order to de-salinize the ponds so that they may be used for wildlife habitat. Madrone Audubon supports the concept of re-use of wastewater because it furthers the laudable goal of the Clean Water Act to prevent outfall to our natural waterways while at the same time reducing the strain on natural water sources. Madrone Audubon Society also strongly favors restoring former wetlands to their original state as we have lost far too many acres of wetlands to development and agriculture. Another potential benefit from this project is that it may encourage the City of Santa Rosa to opt for a re-use method, rather than discharge into the Russian River, when it determines which wastewater disposal option it will choose later this year. The project, as proposed by the Water Agency, is truly a win-win situation.

The support of Madrone Audubon is premised upon the understanding that there will be a significant and direct environmental benefit from the project. We urge CALFED to approve the grant request of the Water Agency but with the proviso that the capital improvement that results from the grant continue to be used in a way that is of primary benefit to the environment.

Thank you for your consideration of our position in this important issue.

Very truly yours,

Dan Kahane

Dan Kahane, Vice-President



North Bay Chapter, 632 Fifth Street, Santa Rosa, CA 95402

July 22, 1997

CALFED Bay-Delta Program
1416 Ninth Street Suite 1155
Sacramento, CA 95814

Dear CAL-FED Bay-Delta Program:

This letter is to confirm Trout Unlimited's support for the Sonoma County Water Agency proposal to reuse reclaimed water from the Santa Rosa Subregional Treatment plant for restoration of Bay Wetlands at the Cargill Salt Ponds.

Trout Unlimited is a cold water fishery conservation organization with 95,000 members internationally and 1,100 members in the North Bay Chapter. Our membership is particularly concerned about the Coho Salmon and Rainbow Steelhead Trout fisheries of the Russian River and opposes any further degradation of the Laguna de Santa Rosa (an Impaired Waterway), Mark West Creek, and the Russian River by resource wasteful waste water discharges to threatened and endangered salmonid habitat.

A program to reuse the Subregional plant's reclaimed water for restoration of Bay Wetlands is the type of proposal we can support that will actually use this valuable water resource for environmental enhancement rather than waste over 8 billion gallons of water annually discharging it to the once thriving salmonid habitat of the Russian River.

We urge CALFED to approve funding for the upgrading of the Sonoma Valley and Petaluma treatment plants to tertiary treatment and restoring 8,000 acres of Cargill salt pond to important wetland and fishery nursery habitat by providing a pipeline from Santa Rosa's Subregional treatment plant to the Petaluma Plant and the Sonoma Valley plant to the Cargill salt ponds. This pipeline will also allow for North Bay agricultural economic development by reuse of the nutrient-rich water along the pipeline's route.

Trout Unlimited would be pleased to be represented on a citizen advisory committee to the Sonoma County Water Agency to help in the implementation of this project and restoration work planned in the North Bay and Russian River watersheds.

Sincerely,
TROUT UNLIMITED

R. Brian Hines
Board of Directors
North Bay Chapter

Sincerely,
TROUT UNLIMITED

Mike Swaney
Conservation Chairman
California State Council

cc: Stan Griffin, Regional VP