

CALFED Regional Strategy

- Improve communication with CALFED programs and agencies
- Improve CALFED efforts to meet local needs.
- Assist local efforts to meet CALFED objectives
- Provide needed resources

CALFED's Draft Principles for Regional Implementation

- Balanced and integrated implementation
- Coordination, communication and collaboration
- Durable and transparent decision making
- Robust and proactive public involvement
- Sharing resources and exchanging information

CALFED Regions

- Sacramento River Watershed
- Delta
- Bay Area
- San Joaquin River Watershed
- southern California

Regional Approach

- Maximizes local involvement
- Improves program integration
- Addresses local issues & needs
- More manageable costs
- Provides greater access by local officials and electorate

Bay Area Role in the CALFED Solution

- Over 40% of the state's water drains through the Bay
- The Bay and adjoining Delta area contains the west coast's largest estuary
- Historical loss of wetlands area
- Second largest metropolitan area in the state with supply and water quality problems
- Route for all anadromous fish migrating through the Delta

Opportunities for Improvement

- **Ecosystem Restoration:** wetlands improvements in the Bay contribute to overall resilience of the Bay-Delta ecosystem
- **Water Quality:** wide range of source water quality improvements and treatment technology
- **Water Supply Reliability:** greater reliability sought by residential and industrial users

Bay Region

- **Significance of the Bay Region**

The San Francisco Bay and the Delta combine to form the coast's largest estuary, draining over 40% of the state and supporting one of the nation's historically productive estuaries. Its waterways also form the centerpiece of America's fourth largest metropolitan region.

Bay Region

- **Key Implementation Actions**

- Construct interties between Bay Area water districts to improve flexibility, water quality and water supply reliability.
- Provide storage and diversion capacity to capture and manage high-quality source water.
- Enhance Bay Area urban water quality, reliability and flexibility through conservation, recycling, transfers, interconnections and potential surface storage.
- Reduce introduced plant and animal species.
- Support new water treatment technologies.
- Construct a San Luis Reservoir bypass to improve water supply reliability.

Bay Region

Representative Bay Region Projects

- Los Vaqueros Reservoir
- Bay Area Blending/Exchange
- Hamilton Wetlands Restoration
- Bay Point Shoreline Restoration
- Tolay Creek Restoration
- Napa River Watershed Stewardship & Habitat Restoration
- San Francisco Goals Project
- Hill slough Habitat Restoration
- Petaluma Marsh Expansion
- Benicia Waterfront Restoration
- Watershed Management
 - Napa River
 - Sonoma Creek
 - Petaluma River
 - Alhambra Creek
- IPM Partnership to Improve Water Quality in Suisun Bay and Local Creeks
- Water Use Efficiency
- Water Transfer Actions

Early Regional Coordination

- **ABAG formed a CALFED Task Force in December 2000.**
- **Prepared regional implementation goals in the following areas:**
 - **Regional Integration**
 - **Ecosystem Restoration**
 - **Water Management**

ABAG Draft Task Force Goals

Regional Integration Goals

- **Educate Bay area public officials on CALFED issues**
- **Facilitate discussion among Bay area decision makers concerned about the CALFED process and its integration with Bay area water and environmental projects and goals**
- **Integrate and coordinate CALFED ecosystem restoration program goals with local and regionally developed goals and programs currently underway**

ABAG Draft Task Force Goals

Regional Integration Goals

(continued)

- Improve linkage between regional water supply reliability planning and local land use decision making
- Facilitate increased communication with other CALFED stakeholders, especially agricultural interests, rural communities, Delta interests, environmental organizations and other non-Bay area M&I users

ABAG Draft Task Force Goals

Environmental Goals

- Support priorities included in the following:
 - San Francisco Estuary Project Comprehensive Conservation and Management Plan
 - San Francisco Bay Regional Water Quality Control Board Basin Plan
 - Bay Conservation and Development Commission's Coastal Management Plan

ABAG Draft Task Force Goals

Environmental Goals (continued)

- Baylands Ecosystem Goals Project
- Improve ecosystem health in the San Francisco Bay and Delta through the environmental restoration priorities included in the CALFED Ecosystem Restoration Program

ABAG Draft Task Force Goals

Water Management Goals

- Improve linkage between regional water supply reliability planning and local land use decision making to promote sustainable development
- Enhance water supply reliability through aggressive water conservation, recycling, regional interconnections and the water transfers market
- Improve water quality through better pollution control, treatment technologies and regional water quality projects

ABAG Draft Task Force Goals

Water Management Goals (continued)

- Ensure consistent high quality drinking water for the region while protecting aquatic resources
- Improve linkage between water reliability and supply while protecting the aquatic resources of the Bay and Delta

Bay Area Ecosystem Projects ***(including Watershed Restoration)***

Total value of projects **\$17,728,000**
(including watershed stewardship)

- Ongoing opportunities for identification of linkages between ecosystem functions in the Central and South Bay and Delta restoration

Ecosystem Restoration

San Pablo Bay Region

Habitat Restoration

Petaluma Marsh
Expansion Project
● \$352,000

South Napa River Wetlands
Acquisition and Restoration
Program \$466,000

● South Napa River Tidal Slough &
Floodplain Restoration Project \$3,055,000 ●

● Tolay Creek Restoration &
Monitoring \$580,000

● Hamilton Wetlands Restoration
Planning \$1,025,000

● Cullinan Ranch
Restoration & Monitoring
\$666,000

Ecosystem Restoration San Pablo Bay Region

Water Quality

Chronic Toxicity of Environmental Contaminants in Sacramento Splittail	\$673,000
Species & Community Profiles of the SF Bay Area Wetlands Ecosystem Goals Project	\$ 45,000

Ecosystem Restoration San Pablo Bay Region

Landscape Projects (Non-Point Specific)

Education Projects

Estuary Action Challenge Environmental

Education Project \$ 50,000

Environmental Stewardship Educational

Conference and Tours \$ 48,500

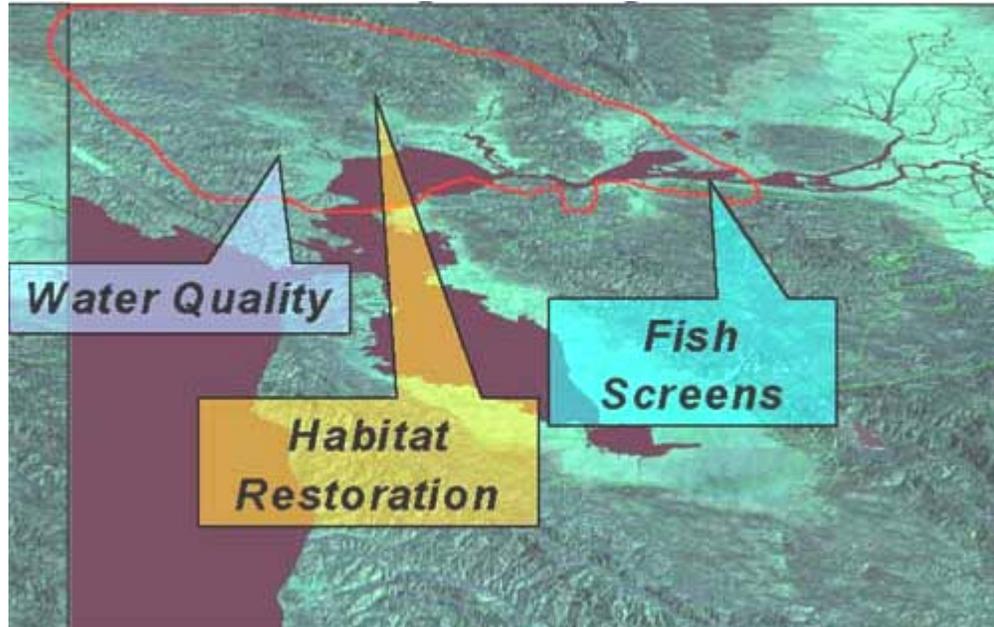
Regional Wetlands Goals Project \$76,000

Reintroduction of Endangered Soft Bird's

Beak to Restored Habitat \$149,000

Channel Dynamics, Sediment Transport and Riparian Projects

Sedimentation in the Delta and Suisun Bay \$1,368,000



Water Quality

**Habitat
Restoration**

**Fish
Screens**

Ecosystem Restoration Suisun Marsh

Habitat Restoration

**Suisun Marsh Property
Acquisition & Habitat
Restoration**

\$537,000 ●

**Hill Slough West
Habitat Demonstration
Project – Phases I & II**

\$287,000

**Benecia Waterfront
Marsh – Phase I**

● **\$252,000**

**Biological Restoration & Monitoring in the
Suisun Marsh/North SF Bay Eco Zone**

\$773,000

● **Bay Point Shoreline
Restoration Plan**

\$185,000

Ecosystem Restoration Suisun Marsh

Fish Screens

Fish Screen Construction \$450,000

Additional Fish Screen Construction
Phase 2 \$500,000

Ecosystem Restoration Suisun Marsh

Water Quality

**IPM Partnerships to Improve Water
Quality In Suisun Marsh and Local
Creeks
\$266,000**

Suisun Marsh Improvements

Program Status

- DWR, USBR, USACE, USFWS, NMFS, DFG, and SRCD have drafted a charter to develop a Suisun Marsh Plan
- The Plan will balance implementation of the CALFED Program, SMPA, and other management and restoration programs within the Suisun Marsh
- The CALFED Suisun Marsh Investigation Team is supporting the charter process and interim implementation actions.

Watershed Management Program

- **Current PSP**

- 12 Projects in Bay Area
- \$4.5 Million

- **Plans & Studies & Education**

- Local Watershed Stewardship Steelhead Trout Plan \$48,000
- Cold Water Fisheries and Water Quality Element \$200,000
- Adopt-A-Watershed Leadership Institute \$593,000

Watershed Management Program (cont)

- **Projects**

- Petaluma River Watershed Restoration Program
- Sonoma Creek Watershed
- Napa River Watershed
- Regional Wetlands Goals Project
- Alhambra Creek Watershed
- CRMP Local Watershed Stewardship: Steelhead Trout Plan
- Steelhead & Chinook Salmon Fish Passage Barrier Remediation On The Guadalupe River
- Cold Water Fisheries and Water Quality Element

Source Water Quality Variability

Contra Costa Water District

**Contra Costa Canal
Los Vaqueros Reservoir**

- **Delta water via Contra Costa Canal originating at Rock Slough and Old River**
- **100,000 af Los Vaqueros Reservoir**

Source Water Quality Variability

East Bay Municipal Utility District

Mokelumne Aqueduct

- **Mokelumne River water via the Mokelumne Aqueduct**

Source Water Quality Variability

Hetch Hetchy Water Users

- Tuolumne River water via the Hetch Hetchy Aqueduct
- Stored in local reservoirs

Source Water Quality Variability

Santa Clara Valley Water District

SWP & CVP

- Half the water from local sources
- Remaining portion from SWP and CVP

Source Water Quality Variability

Results in widely varying water sources & water quality

Bay Area Blending/Exchange

- First study evaluates potential for interties and exchange agreements among the Bay Area water agencies
- Preliminary results suggest it is not possible to meet CALFED WQ objectives with blending alone
- Evaluations of potential infrastructure and institutional arrangements will continue

Bay Area Blending/Exchange

(continued)

- An open and objective process is needed to gain support of local agencies and to explore all alternatives
- Results of BAB/E will be integrated with source control, improved treatment and other water management actions & technology improvements

Bay Area Near Term Strategies

Improve Bay Area Water Supply Management and Reliability

- Construct interties
- Provide water storage capacity
- Support development of new local water treatment technologies
- Build a San Luis Reservoir by-pass
- Enhance local conservation and recycling efforts
- Develop a drought contingency plan

North Bay Aqueduct

**ROD commitment to improve water quality
and reliability for NBA users**

- Improved watershed management
- Intake relocation

Los Vaqueros Reservoir Expansion

Contra Costa Canal

Mokolumne Aqueduct

Los Vaqueros
Reservoir

Clifton
Court

South Bay Aqueduct

Los Vaqueros Reservoir Expansion

Current Activities

- MOU signed May 2001 by DWR and undergoing final approval
- CCWD and consultants are working on Phase I tasks
- DWR, USBR, CALFED and CCWD are planning Phase II scope of work and funding

Los Vaqueros Reservoir Expansion

- Potential Benefits
 - Storage for EWA
 - Increased supply reliability and flexibility

Los Vaqueros Reservoir Expansion

- Process
 - Collaborative local planning to gain broad public support and local acceptance for the project
 - Coordinate schedule and analysis with BAB/E project
 - Original bond financing language requires vote by CCWD users

San Luis Low Point Bypass

Current Studies

Santa Clara Valley Water District will conduct studies to determine basic feasibility by Oct 2001

Process

Receive water directly from the Delta pumping facilities and expand local storage to avoid poor water quality during “low levels” in the San Luis Reservoir

Water Use Efficiency

Approved Projects from Recent PSP Solicitation

- A Straight Flush Commercial ULFT Direct Install Contra Costa Water Dist
- Benefits include 803 AF of Yield increasing Conservation
- ACWD Schools & Water Cons.- Supermarkets Alameda Co. Water Dist. ACWD
- Benefits include 2,240 AF of Yield increasing Conservation
- The Save Our Delta Surveys City of Pittsburg
- Benefits include educational Demo of future potential and pest management information
- Landscape & Ag Area Measurement & Water Budgets Santa Clara Valley Water Dist
- Benefits include 5,000 AF of Yield increasing Conservation, improved Data

Bay Area Science Applications

- Narrowing uncertainties:
 - Invasive species investigations
- Ecological scale monitoring
 - Region-wide monitoring of wetlands projects
- Adaptive Management Opportunities
 - Tolay Creek – challenge in restoring wetlands
- Regulatory Issues
 - Suisun Marsh implementation questions
- Communication
 - State of the Estuary conference partnership