

## Program Assessment and Workplan

**Program Element:** Drinking Water Quality

**Date:** December 15, 2002

**Contacts:**

State contacts– David Spath, Jim Bennett

Federal contact –Karen Schwinn

CALFED contact –John Andrew

**DWQ Organizational Chart** – Please see Attachment 2 on page 8.

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### Section I. Year 2 Program Assessment

#### A. Accomplishments to Date/ Status of ROD Commitments

*(all Record of Decision [ROD] commitments are identified with an asterisk)*

1. BAB/E\*: project delayed due to contracting
2. Friant-Met\*: project implemented, expanded, but delayed (due to local partner issues)
3. Ag drainage\*:
  - early implementation projects not implemented due to contractor difficulties
  - year 2 projects awarded but not implemented due to contracting
4. Source control\*:
  - early implementation projects (i.e. monitoring and assessment) continued and near completion
  - projects awarded but not implemented due to contracting;
  - RFP in process at SWRCB;
  - SWRCB submitted TMDL for salinity in the lower SJR to EPA, but basin plan amendment delayed until 2003
  - Veale-Byron project transferred to Conveyance
5. Conveyances\*: project delayed due to contracting and hiring freeze
6. Treatment technology\*: projects awarded but not implemented due to contracting
7. NBA\*: projects awarded but not implemented due to contracting
8. Operational Improvements/Recirculation\*: study in progress
9. Health effects: project awarded but not implemented due to contracting
10. Program Management and Oversight: at CALFED

Through year 2, DWQP completed 11 ROD commitments, and has nine others in progress. Program also led regional coordination and outreach efforts (specifically in the Bay Area, San Joaquin Valley, and Southern California), engaged and integrated environmental justice issues, and dedicated most of its first and only PSP to science and source assessment.

#### B. Program delays

See A, above.

**Section II. Year 3 Work Plan**

Please see Attachment 3 (page 9) for a table showing the Drinking Water Quality tasks and agency roles.

**A. Year 3 Tasks and Schedule**

During year 3, DWQP will focus on: 1) Drinking Water Subcommittee activities, including the development of a strategic plan for water quality based upon ELPH (“an equivalent level of public health protection”) and a transition plan for program management; 2) monitoring and assessment, including performance measures; and 3) regional coordination and outreach.

1. BAB/E\*: proceed with phase 2 (Cindy Darling, CALFED)
2. Friant-Met\*: complete feasibility studies and initiate demonstration projects (Steve Roberts, DWR)
3. Ag drainage\*:  
implement projects awarded in year 2 (lead agencies/CALFED)
4. Source control\*:  
implement projects awarded in year 2 (lead agencies/CALFED)  
award year 2 SWRCB RFP (John Andrew, CALFED)  
issue year 3 SWRCB RFP (Bill Campbell, SWRCB);  
implement a monitoring and assessment program (Sam Harader/Kim Taylor, CALFED);  
Initiate expert review panels (Kim Taylor/John Andrew, CALFED);  
south Delta water quality standards (Kathy Kelly, DWR/Sue Ramos, USBR)
5. Conveyances\*: implement project (Paul Gilbert-Snyder, DHS)
6. Treatment technology\*: implement projects (Paul Gilbert-Snyder, DHS)
7. NBA\*: implement projects (Paul Gilbert-Snyder, DHS)
8. Operational Improvements/Recirculation\*: continue study (Ken Yokoyama, USBR)
9. Health effects: implement study (Steve Book, DHS)
10. Program Management and Oversight: Management to move to DHS, SWRCB, and USEPA, oversight stays at CALFED; resources needed at all three lead agencies to assume management (Dave Spath, DHS; Tom Howard, SWRCB; Ken Landau, RWQCB; Karen Schwinn, USEPA; John Andrew, CALFED)  
new: Freeport: track project (John Andrew, CALFED)

We anticipate that the DWQP workplan for year 4 will reflect the ELPH concept, per the recommendation of the California Bay-Delta Public Advisory Committee, expected in December 2002.

**B. Category A and B Programs/Funds**

Below is an updated Category A & B programs/funds table for DWQP. In particular, this table reflects the new Prop. 50 water quality funds (in Category B).

<b>CBDA</b>	DWR Program 15 FY 01-02 BCP (GF)	
<b>DWR</b>		Ag Drainage Program (SWP, Prop 204)
	In-Delta Ag Drainage (Prop 13, Bay-Delta Multi-purpose Water Management)	

	Water Quality Exchange Partnership - MWD (Prop 13, Ch 9, Art 4 - Interim Reliable Water Supply)	
	Desalination Research and Innovation Partnership - MWD (Prop 13, Ch 9, Art 4 - Interim Reliable Water Supply)	
		Contaminant and Salt Removal Technologies (Prop 50, Ch 6, Section 79545 (b,c))
<b>CDFA</b>		On-farm Ag Drainage Management (Prop 204)
		Fertilizer Research and Education
		Dairy Quality Assurance Program
<b>DHS</b>		Safe Drinking Water (Prop 50, Ch 4)
		Safe Drinking Water State Revolving Fund
<b>SWRCB</b>	Nonpoint Source \$20 mill (Prop 13)	
		Nonpoint Source \$80 million (Prop 13, Ch 7, Art 2)
	Clean Water and Water Quality \$20.5 million (Prop 50, Ch 5)	
		Clean Water and Water Quality (Prop 50, Ch 5)
		Clean Beaches (Prop 40, Article 5, Section 5096.650(c)(2))
		Nonpoint Source Pollution (Clean Water Act 319h, 205j, 104b3, 106, 604b, Prop 13)
		Water Quality Planning (Clean Water Act 205j, 604b)
		Total Maximum Daily load (Clean Water Act 104b3, 106, 319)
<b>USBR</b>		CVPIA, San Joaquin Basin Action Plan (WRR)
		CVPIA, Land Retirement (RF)
		Drainage Management Program (WRR)
<b>USEPA</b>		Nonpoint Source Pollution (Clean Water Act 319h, 205j, 104b3, 106, 604b)
		Water Quality Planning (Clean Water Act 205j, 604b)
		Total Maximum Daily Load (Clean Water Act 104b3, 106, 319)
		Safe Drinking Water State Revolving Fund
		Clean Water State Revolving Fund
		Sacramento River Watershed Program

### C. ROD Implementation Commitments

DWQP has already met its ROD commitments for treatment technology in year 3. Funding for NBA best management practices (BMPs) is due by December 2002, via the SWRCB RFP. We are required to implement a monitoring and assessment plan by spring 2003.

By August 28, 2002, DWR and USBR must implement a plan to meet all south Delta water quality standards. Recirculation recommendation, due December 2002 from the same two agencies, is now delayed until December 2003.

Should contracting and hiring freeze constraints be eased, we should meet our conveyance evaluation ROD commitment from year 2. Further, should local partners be so inclined, we should meet our BAB/E feasibility study/environmental review ROD commitment, also from year 2, as well as Friant-Met feasibility study completion and initial project identification.

The Environmental Justice Work plan prepared by the EJ BDPAC Subcommittee has been reviewed. Those activities that can be performed in Year 3 based on available staff and funding are described in Figure 1, below.

**Figure 1.**

**CALFED Drinking Water Quality Program (DWQP) --- Environmental Justice Workplan Activities**

Environmental Justice Workplan Tasks	Program Element Response
<b>ALL</b> EJ Subcommittee and CALFED Programs draft goals, objectives, strategies, and performance measures for integration of environmental justice into CALFED program element workplans with technical assistance from EJ reps on each Subcommittee, EJ Coordinator, and/or EJ Subcommittee.	DWQP has incorporated EJ issues or concerns into its major work products, such as our Proposal Solicitation Process (PSP), Drinking Water Subcommittee, monitoring and assessment program, and regional activities.
<b>ALL</b> Integrate EJ annual plan goals and objectives into program element workplans during program subcommittee meetings	Program will discuss matter with the Drinking Water Subcommittee.
<b>ALL</b> Ensure at least one EJ representative on each BDPAC Subcommittee	Drinking Water Subcommittee has three EJ representatives.
<b>ALL</b> Develop specific criteria, guidelines, community partnership requirements, and outreach process for program PSP's that address existing and emerging environmental justice issues faced by low-income populations and communities of color in CALFED's solution area. Identify within scope of work and budget activities to address environmental justice objectives of the project.	As stated above, EJ criteria already incorporated into both the CALFED DWQP PSP and SWRCB/CALFED DWQP Prop.13 Request for Proposals (RFP).
<b>ALL</b> For each meeting of the EJ Subcom, ensure participation of at least 1 CALFED program manager and appropriate Subcommittee chairs when appropriate, based on agenda	DWQP Manager has attended two EJ Subcommittee meetings and plans to attend future such meetings when drinking water quality issues are agendized. Subcommittee co-chair (Greg Gartrell) has also attended an EJ Subcommittee meeting.
<b>DWQ</b> Develop program to address existing adverse water quality problems affecting low-income populations and communities of color in CALFED's solution area	DWQP is incorporating EJ issues into our monitoring and assessment program during year 3. In addition, during year 2, DWQP funded a white paper on arsenic in groundwater in partnership with the CALFED Science Program.

**D. Management Group**

SWRCB RFP project recommendations, August 2002  
 South Delta water quality standards plan, August 2002 (DWR & USBR)  
 Monitoring and assessment plan, Spring 2003  
 Friant-Met (if appropriate)

**E. Public Participation**

DWS will continue to meet throughout year 3. DWQP and lead agencies may also form agency/stakeholder technical workgroups.

The Drinking Water Subcommittee made four recommendations to BDPAC on September 19:

- Recommended CALFED Program incorporate "Equivalent Level of Public Health Protection" conceptual framework into the Drinking Water Quality Program.
- Recommended CALFED agencies conduct a detailed analysis of

- available funds, including Proposition 50, to support the Drinking Water Quality Program.
- Recommended that advanced treatment studies receive priority consideration by CALFED agencies.
  - Recommended that State Water Resources Control Board and Central Valley Regional Water Quality Control Board address drinking water quality issues when implementing SB390 (agricultural discharge waivers).

The work plan addresses the first recommendation and BDPAC will address the second at its December 4, 2002 meeting. The CALFED agencies are considering the last two recommendations.

#### F. Agency participation

Little agency participation beyond coordination; attempt to meet monthly with lead agencies, and do meet quarterly with all CALFED water quality agencies.

#### G. Science Review

NOTE: The Science Work Plan Executive Summary is under review by program staff. Upon completion of this review, changes and additions may be made to this section of the Work Plan.

Science and DWQP are jointly developing the monitoring and assessment program for water quality, including performance measures. Science and DWQP are conducting a number of joint studies (e.g. white papers on arsenic in groundwater, organic carbon, salinity). Science was invited to participate in the SWRCB RFP selection panel, and will help appoint ROD-required year 3 expert review panel.

H. Budget by Task – See Attachment 1.

Funding for Drinking Water Quality has fallen short of ROD targets. The DWQP primarily depended on General Fund in Year 1 and Prop 13 at the SWRCB in Years 2 & 3. These fund sources are not expected to be available in Year 4. DWQP staff will work more closely this year with State and Federal agencies to determine if existing funds may be available to support the CALFED DWQP.

**Section III. Stage 1**

A. Stage 1 Projected Expenditures

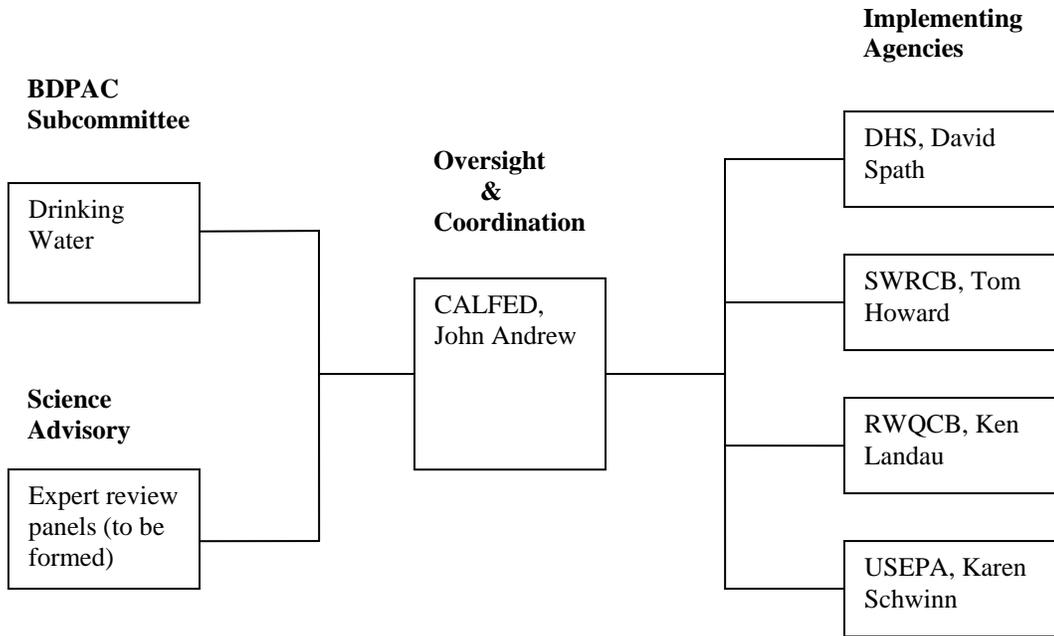
Seven-year total of the expenditure plan in the annual report is still valid.

B. State, Federal, Local/Water User Cost Sharing

Cost sharing as specified by Framework Agreement is still valid, however cost sharing for this program will be reviewed as part of the overall Finance Plan described in the Oversight & Coordination Work Plan.

Drinking Water Quality Program-- CALFED Program Year 3 (\$ in thousands) December 1, 2002								
DWQ	CALFED	DHS	SWRCB	DWR	State Subtotal	Federal Subtotal	Local/User	Total
<b>1. Bay Area Water Quality and Supply Reliability Program</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Fund Source</b>								
General Fund					\$0	\$0		\$0
Prop 13					\$0	\$0		\$0
Prop 50					\$0	\$0		\$0
<b>2. San Joaquin Valley/ Southern California Water Exchg.</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Fund Source</b>								
General Fund					\$0	\$0		\$0
Prop 13					\$0	\$0		\$0
Prop 50					\$0	\$0		\$0
<b>3. San Joaquin Valley Agricultural Drainage</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Fund Source</b>								
General Fund					\$0	\$0		\$0
Prop 13					\$0	\$0		\$0
Prop 50					\$0	\$0		\$0
<b>4. Source Control</b>	\$3,070	\$0	\$50,624	\$0	\$53,694	\$0	\$0	\$53,694
<b>Fund Source</b>								
General Fund	\$1,000		\$124		\$1,124	\$0		\$1,124
Prop 13	\$2,070		\$10,000		\$12,070	\$0		\$12,070
Prop 40			\$20,000		\$20,000	\$0		\$20,000
Prop 50			\$20,500		\$20,500	\$0		\$20,500
<b>5. Control Runoff into Conveyances</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Fund Source</b>								
General Fund					\$0	\$0		\$0
Prop 13					\$0	\$0		\$0
Prop 50					\$0	\$0		\$0
<b>6. Treatment Technology</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Fund Source</b>								
General Fund					\$0	\$0		\$0
Prop 13					\$0	\$0		\$0
Prop 50					\$0	\$0		\$0
<b>7. North Bay Aqueduct</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Fund Source</b>								
General Fund					\$0	\$0		\$0
Prop 13					\$0	\$0		\$0
Prop 50					\$0	\$0		\$0
<b>8. Operational Improvements/ Recirculation</b>	\$0	\$0	\$0	\$140	\$140	\$0	\$0	\$140
<b>Fund Source</b>								
General Fund				\$140	\$140	\$0		\$140
Prop 13					\$0	\$0		\$0
Prop 50					\$0	\$0		\$0
<b>9. Public Health Effect Studies</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Fund Source</b>								
General Fund					\$0	\$0		\$0
Prop 13					\$0	\$0		\$0
Prop 50					\$0	\$0		\$0
<b>10. Program Management and Oversight</b>	\$698	\$0	\$0	\$0	\$698	\$0	\$0	\$698
<b>Fund Source</b>								
General Fund	\$698				\$698	\$0		\$698
Prop 13					\$0	\$0		\$0
Prop 50					\$0	\$0		\$0
<b>Program Summary</b>	\$3,768	\$0	\$50,624	\$140	\$54,532	\$0	\$0	\$54,532
<b>Fund Source</b>								
General Fund					\$0	\$0		\$0
Prop 13					\$0	\$0		\$0
Prop 50					\$0	\$0		\$0
<b>DWQ</b>	<b>CALFED</b>	<b>DHS</b>	<b>SWRCB</b>	<b>DWR</b>	<b>State Subtotal</b>	<b>Federal Subtotal</b>	<b>Local/User</b>	<b>Total</b>
DWQ Approved Funding	\$3,768	\$0	\$50,624	\$140	\$54,532	\$0	\$0	\$54,532
General Fund	\$1,698		\$124	\$140	\$1,962	\$0		\$1,962
Prop 13	\$2,070		\$10,000		\$12,070	\$0		\$12,070
Prop 40			\$20,000		\$20,000	\$0		\$20,000
Prop 50			\$20,500		\$20,500	\$0		\$20,500
variance program/funding	\$0		\$0	\$0	\$0	\$0	\$0	\$0

**Attachment 2. Drinking Water Quality Program Organizational Chart**



Attachment 3

<b>CALFED Drinking Water Quality Program Management <sup>1</sup></b>								
12/1/2002								
<b>Program Management Task</b>	<b>CALFED</b>	<b>DHS</b>	<b>SWRCB/CVRWQCB</b>	<b>USEPA</b>	<b>DWR</b>	<b>Reclamation</b>	<b>DFA</b>	<b>USGS</b>
Program Management	lead	support	support	support				
Oversight and Coordination	lead							
Drinking Water Subcommittee	lead	support	support	support				
Workplans	lead	support	support	support				
Regional coordination	lead							
Budgeting	lead	support	support	support				
Staffing	lead	support	support					
Program tracking	lead	support	support	support				
Project management	lead	lead	lead	lead				
RFPs	lead	support	lead	support				
Contracting	lead	support	lead					
Environmental justice	lead			lead				
Tribal involvement				lead				
Technical workgroups	lead	support	support	support				
Performance measures	lead	support	support		support			support
Annual report/public affairs	lead							
Website	lead							
Best science practices	lead	support	support	support				
<b>ROD Commitments</b>								
Health effects research		lead		lead				
Treatment technology	lead	support		support				
Source water protection	support	support	lead	support				
Ag drainage	lead	support	lead	support	support	support	support	support
Conveyances		lead			support	support		
Bay Area Blending/Exchange	lead	support			support	support		
State Drinking Water Policy	support	support	lead	support				
Monitoring and assessment	lead	support	support	support	support	support	support	support
So. Calif. Exchanges		support			lead	lead		
Recirculation					lead	lead		
So. Delta standards					lead	lead		

<sup>1</sup> Note: The table above is based on responsibilities under the current governance structure. The new governance structure under the Bay Delta Authority is primarily effective in Year 4.