

CALFED Rock Slough & Old River Water Quality Improvement Projects

- **Identified in CALFED Record of Decision (2000)**
- **Studies began in 2000 with CALFED agency (EPA and DWR) funding and are co-managed by DWR and CALFED Drinking Water Program**
- **Linkage to Permanent Barriers (and now 8,500 cfs)**
- **Schedule critical to:**
 - Meet ROD and BDA timeframes
 - Attain cost savings

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CALFED Rock Slough & Old River Water Quality Improvement Projects

- **Projects will:**
 - Improve water quality in south Delta
 - Improve operational flexibility of CCWD, SWP and CVP, and could save water
 - Implement BMPs and reduce load of key constituents
- **DWR and Authority staff presently reviewing design/construction contract**
- **Engineering studies are complete, implementation funding is now needed**
- **BMP outreach and screening to begin in December 2003**

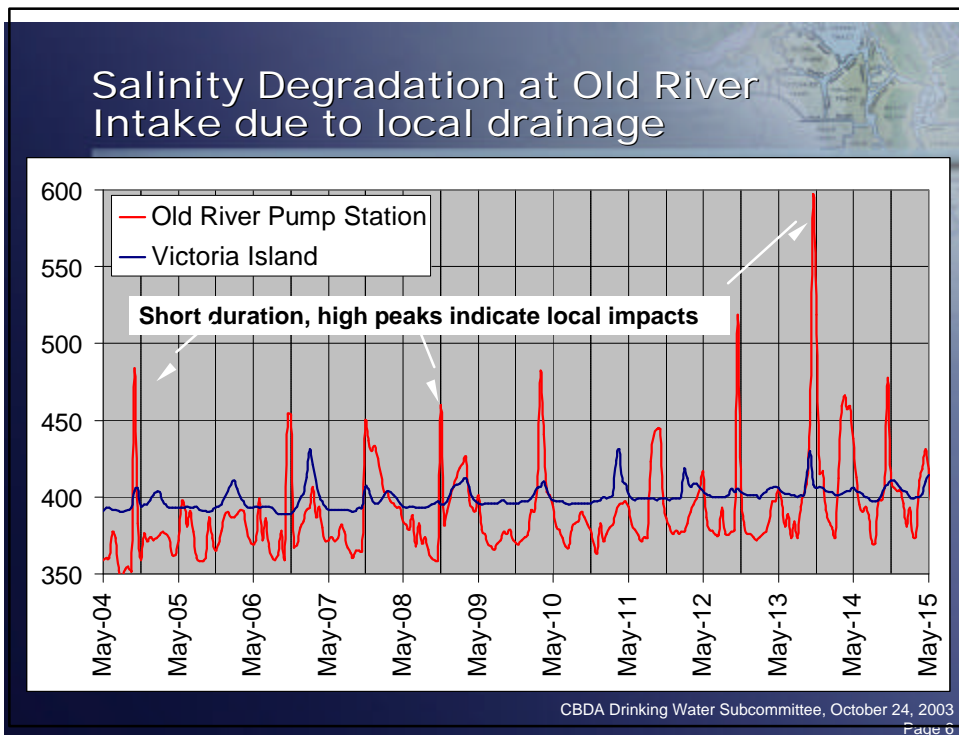
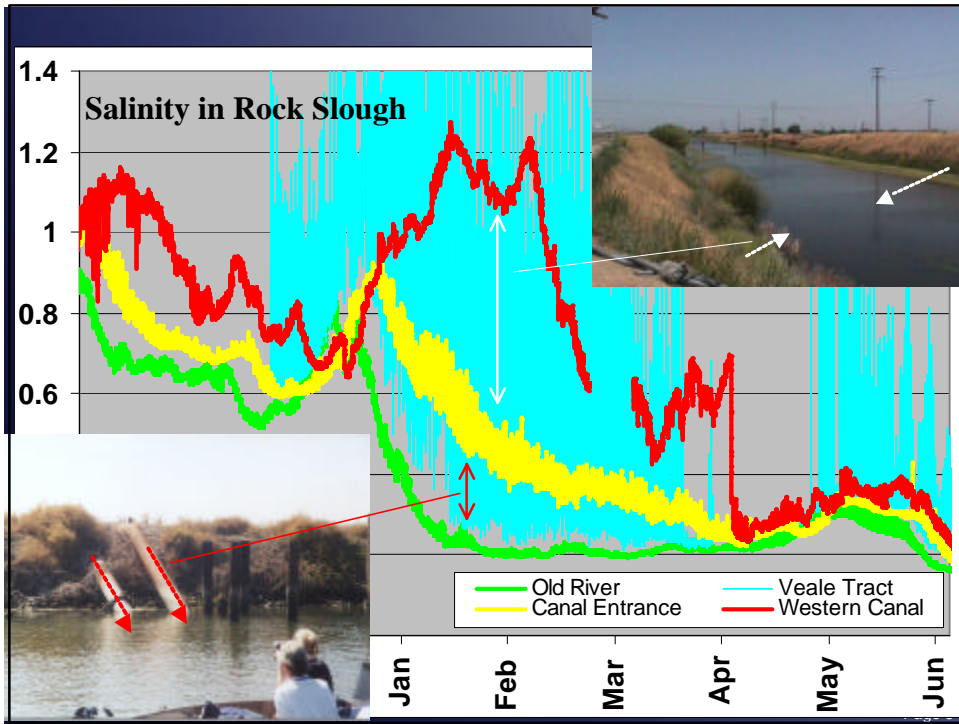
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CALFED Drinking Water Program Linkages

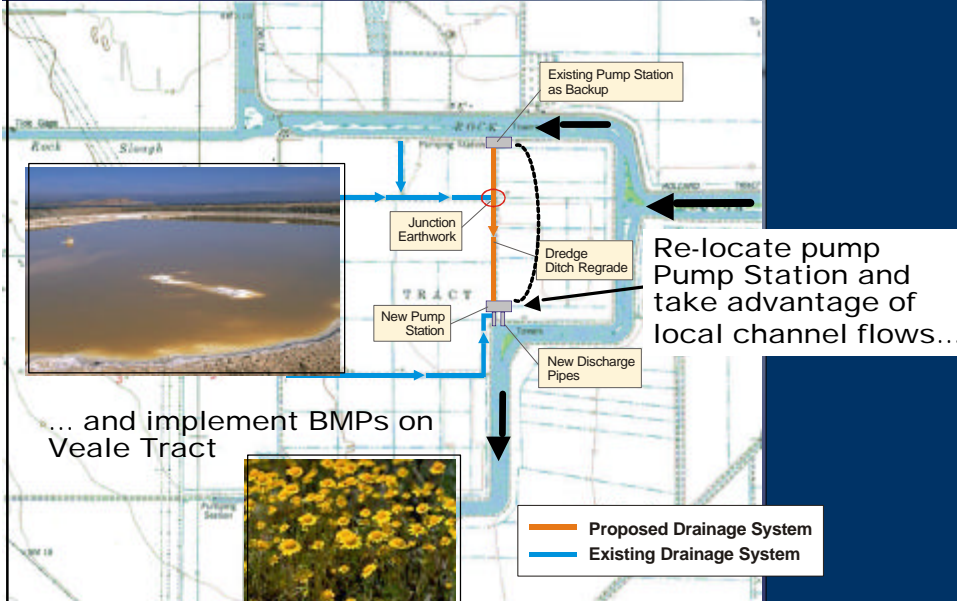
- **Improves source water quality at Delta drinking water intakes by reducing concentration of key constituents**
- **Targets drains specified in ROD and Drinking Water Program Plan**
- **Addresses source control of key constituents and is integral with ELPH strategy**
- **BMP implementation will further reduce loading**
 - Could serve as pilot program for broader implementation in the Delta
 - Linkage with Working Landscapes, Watersheds

What is specific problem?

- **Local Non-Point Source degrades source water quality for drinking water and water quality in the South Delta through surface water and groundwater runoff**
- **Projects on Veale and Byron Tracts and Contra Costa Canal solve the problem and implement the corresponding part of the CALFED ROD**
- **BMPs address broader issues**

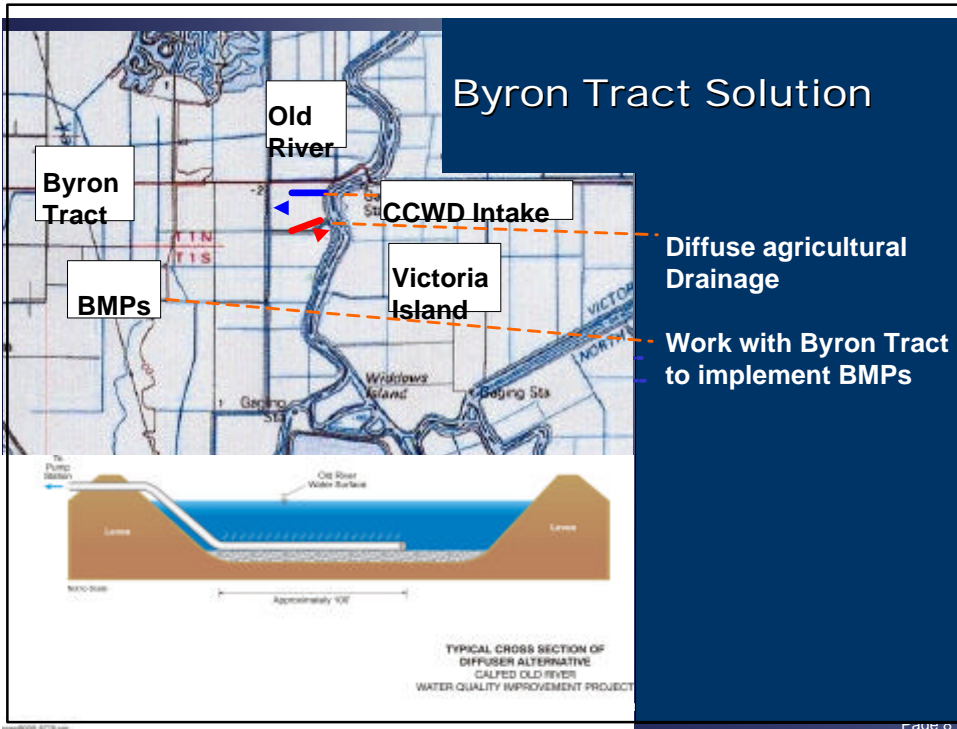


Veale Tract Solution



... and implement BMPs on Veale Tract

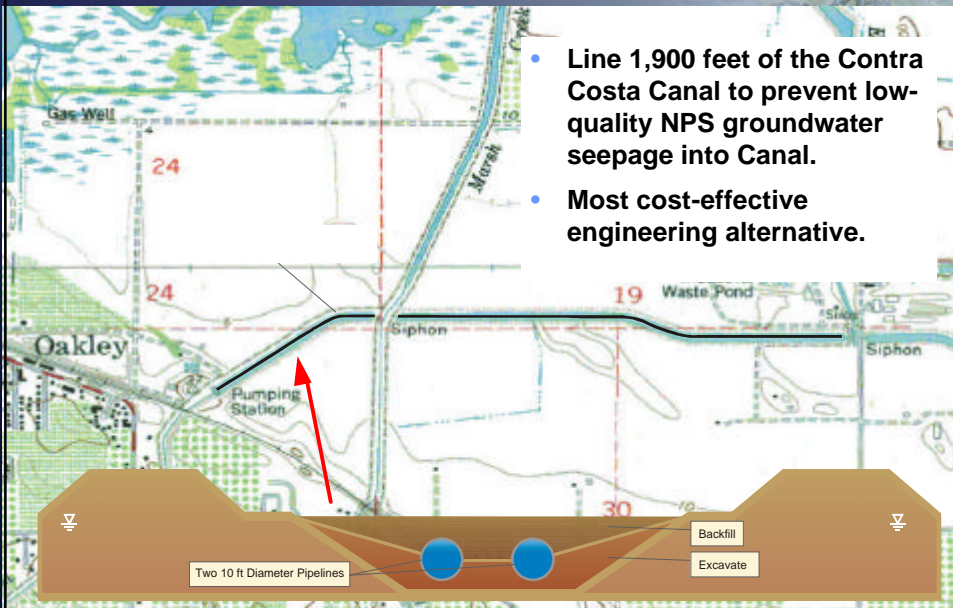
Byron Tract Solution



Diffuse agricultural Drainage
Work with Byron Tract to implement BMPs

TYPICAL CROSS SECTION OF DIFFUSER ALTERNATIVE CALPED OLD RIVER WATER QUALITY IMPROVEMENT PROJECT

Contra Costa Canal Solution



- Line 1,900 feet of the Contra Costa Canal to prevent low-quality NPS groundwater seepage into Canal.
- Most cost-effective engineering alternative.

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Schedule is critical

- Construction will begin in summer of 2004
- Targeted to stay within ROD/BDA schedule
- First CALFED projects dealing with source water quality in the Delta
- Local partnerships on Byron Tract will accelerate implementation and will lower cost
- Cost control and peer review included
- Close coordination with DWR, USBR

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Key Information for CALFED Agencies

- **Byron and Veale Projects expected to involve Initial Study / Mitigated Negative Declarations due to expected absence of impacts**
 - CCWD is state lead on CEQA
- **Canal Project will be full EIS/EIR**
 - CCWD is state lead on CEQA
 - Reclamation is federal lead on NEPA
- **Need review by CALFED agencies**
 - Byron Tract IS/MND admin draft review in Oct. /Nov. 2003
 - Veale tract IS/MND admin draft review in Dec. 2003
 - Canal encasement admin draft review EIR/EIS in Aug. 2004

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Project Cost, Cost Share, Decision Process

	Total (m)	Requested (m)
Rock Slough		
<i>Veale Tract Pump Station</i>	\$ 0.919	\$ 0.919
<i>Veale Tract BMPs</i>	\$ 0.200	\$ 0.200
<i>Canal Encasement *</i>	\$ 9.135	\$ 7.335
Old River		
<i>Byron Tract Outfall / Diffuser</i>	\$ 1.743	\$ 1.743
<i>Byron Tract BMPs</i>	\$ 0.300	\$ 0.300
	\$12.297	\$10.497

Proposal being reviewed as part of SWRCB NPS/CALFED DWQP 2003 RFCP ←
Source of funds: Proposition 13, Chapter 9 – controlled by CALFED/DWR

* Canal encasement project includes 20% local cost share. Additional phases of the project may use federal WRDA funding and other contributions.

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Funding Decisions



- **Funding decision in December by CBDA to stay on schedule**
 - Design phase begins in December and present funding insufficient
 - Funding allows near-term CALFED Water Quality Program benefit to projects, CCWD, and other Delta drinking water users
 - Projects are consistent with ROD, are required before permanent barriers are operable
- **BMPs are the first load reduction actions in the Delta**
- **Funding is available through Proposition 13 which set aside funding for projects of this type**

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