

CALFED BAY-DELTA PROGRAM

Program Plan Year 8

(State FY 2007-2008; Federal FY 2008)

STORAGE PROGRAM

Surface Storage Investigations

Project	Implementing Agencies
Shasta Lake Enlargement	Reclamation
Los Vaqueros Reservoir Expansion	DWR/Reclamation/CCWD
North-of-the-Delta Offstream Storage	DWR/Reclamation
Upper San Joaquin River Storage	Reclamation/DWR
San Luis Reservoir Low Point	Reclamation/DWR/SCVWD

Shasta Lake Enlargement

Year 7 Accomplishments

- Completed Plan Formulation Report, Spring 2007
- Completed field surveys and established HEP
- Continued Section 106 Process and tribal consultation

Shasta Lake Enlargement

5 Alternatives	Range
Dam Raise	6.5 and 18.5 Feet
Increased Storage Capacity	256 – 634 TAF
Average Annual Benefit	50 – 75 TAF/ year
Capital Cost Estimate	\$530 - \$855 million

North-of-the-Delta Offstream Storage

Year 7 Accomplishments

- Completed an IAIR in May 2006
- Complete Draft Sac River Flow Regime Status Report and Evaluation in Summer 2007
- Complete Plan Formulation Report in Fall 2007
- Developed predictive models to evaluate potential effects on Sac River geomorphology
- Continued Section 106 process and tribal consultation

North-of-the-Delta Offstream Storage

Sites Reservoir	Range
Storage Capacity	1.8 MAF
Average Annual Benefits	470 – 640 TAF/Year
Capital Cost Estimate	\$1.9 - \$2.5 Billion

Los Vaqueros Reservoir

Year 7 Accomplishments

- Completed an Initial Economic Evaluation for Plan Formulation in Summer 2006
- Completed the Environmental Scoping Report in Summer 2007

Los Vaqueros Reservoir

4 Alternatives	Range
Increased Storage Capacity	0 and 175 TAF
Average Annual Benefits	60 – 130 TAF
Capital Cost Estimates	\$500 - \$900 million

Upper San Joaquin River Storage

Year 7 Accomplishments

- Completed vegetation mapping of each potential site
- Completed a Cultural Resources Alternatives Assessment
- Completed the Native American Background Research
- Completed a geologic drilling and materials investigation program
- Continued Section 106 process and tribal consultation

Upper San Joaquin River Storage

Measure	Add Storage (TAF)	Average Benefits (TAF/yr)	Capital Cost (\$ million)
Raise Friant 25 feet	130	24 - 29	220
Fine Gold Reservoir	400	65 - 78	470
	800	113 - 136	640
Temperance Flat 274	1,310	165 - 183	1,000
Temperance Flat 279	450	86 - 103	800
	725	122 - 146	1,000

San Luis Reservoir Low Point

Year 7 Accomplishments

- Completed an Appraisal Study
- Developed and initiated the Plan of Study
- Continued feasibility study, public involvement, and outreach activities with stakeholders

Surface Storage Investigation

Issues

- Delta sustainability
- Upper San Joaquin River Restoration Settlement
- Difficulty in quantifying the value of public benefits
- Uncertainty with the future of EWA
- Reluctance of potential project proponents to articulate specific purpose and need

Surface Storage Planning Schedule

	PFR	Draft FS / EIS/R	Final FS / EIS/R
Shasta Lake Water Resources Investigation	Spring 2007	Winter 2007/08	Fall 2008
North-of-the-Delta Offstream Storage	Fall 2007	Spring 2008	Winter 2008/09
Los Vaqueros Reservoir Expansion	--	Spring 2008	Winter 2008/09
Upper San Joaquin River Storage	Summer 2007	Summer 2008	Summer 2009
San Luis Reservoir Low Point Project	Winter 2007/08	Fall 2008	Summer 2009

Groundwater Storage / Conjunctive Water Management

Accomplishments Through Year 7

- Feasibility Study Grants
 - Awarded 129 (AB 303) grants; 113 completed
 - Funded 28 feasibility studies/pilot proj. (Prop 13); 20 completed
- Implementation Grants and Loans
 - Provided oversight on implementation of 32 projects with estimated total projected capacity of over 300 TAF; 7 completed
- Technical Assistance to Locals
 - Continued providing technical and financial assistance to local partners

Storage Program Budget

Proposed for Year 8	State	Federal
	(million)	
Surface Storage		
Shasta Lake Water Resources Investigation	-	\$3.0
North-of-the-Delta Offstream Storage	\$4.7	\$3.0
Los Vaqueros Reservoir Expansion	\$1.8	-
Upper San Joaquin River Basin Storage	\$2.8	\$2.5
San Luis Reservoir Low Point Project	-	\$1.4
Common Assumptions	\$0.5	\$0.5
Groundwater Storage / Conjunctive Management		
Technical Assistance to Locals	\$1.6	-