



Status Report to the  
Bay-Delta Public Advisory Committee  
Water Supply Subcommittee

May 17, 2007

# Project Location



# Existing Los Vaqueros Reservoir

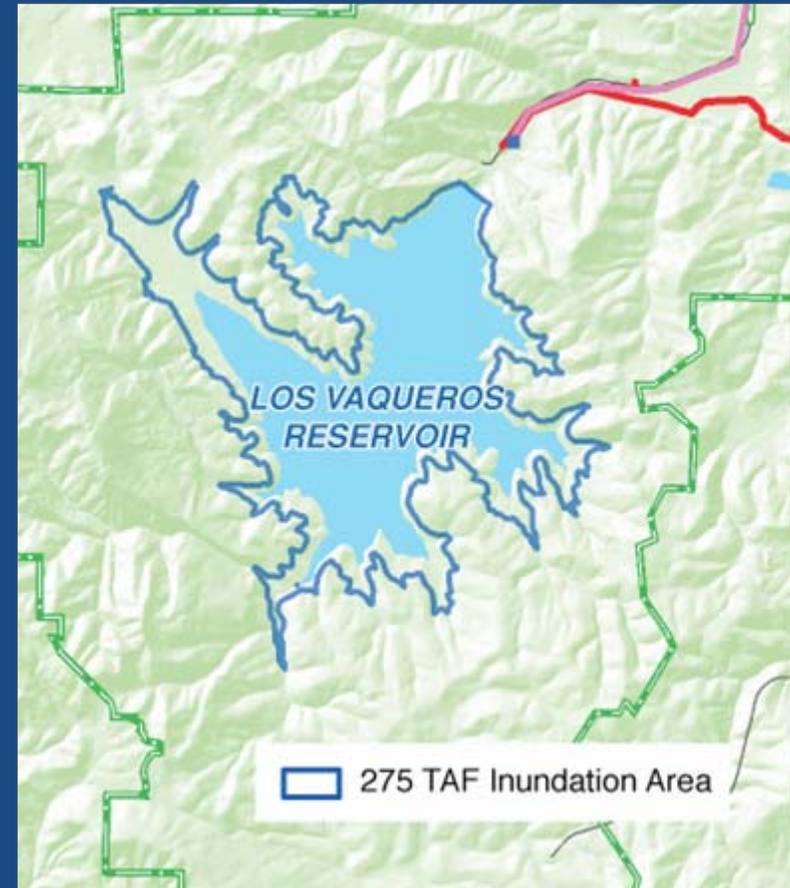
- Improves Water Quality
  - Changes the timing and location of diversions
  - Stores water for blending when Delta water quality is poor
- Provides Emergency Storage
  - Protects against a catastrophe in the Delta
- Enhances Delta Environment
  - State-of-the-art fish screens
  - Flexible timing and location of diversion
- Provides Watershed Resource Management
  - Protects Water Quality
  - Protects Sensitive Resources
  - Provides Appropriate Recreation
- Provides Flood Control Protection



# Los Vaqueros Reservoir Expansion Project

Los Vaqueros  
Reservoir  
Expansion

- Expand Los Vaqueros from 100,000 acre-feet (AF) up to 275,000 AF
- Enhance the Delta environment by providing a secure supply of environmental water
- Increase water supply reliability to improve emergency supply, drought supply and drinking water quality for CCWD & other Bay Area water agencies



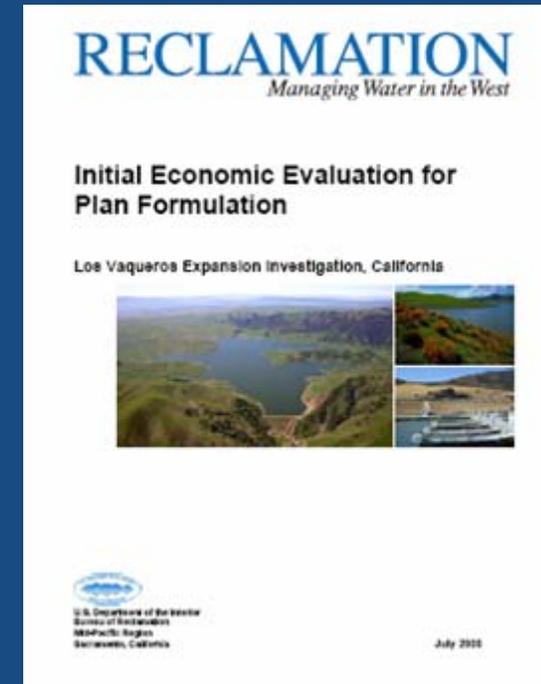
- Alternatives Developed
  - Project Concept Report
  - Initial Alternatives Information Report
- Environmental Analysis under way
  - Planning Report and Biological Impact Tech Memos
  - Public Scoping Meetings and Scoping Report
  - Draft EIS/EIR being written
- Local Public Support
  - Conducted more than 150 public meetings / briefings
  - Overwhelming Customer Vote of support in March 2004 (62% of voters)
- Federal Feasibility Study Underway
  - Congressional Authorization for Feasibility Study (PL 108-7)

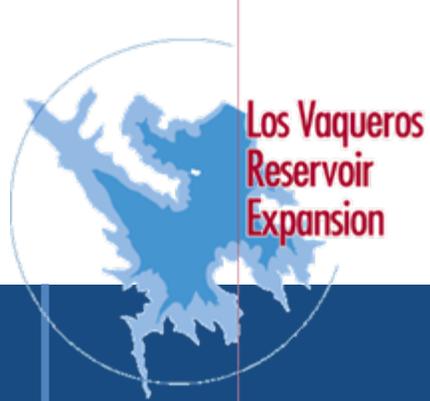


# Initial Economic Evaluation for Plan Formulation (IEEPF) Report

Los Vaqueros  
Reservoir  
Expansion

- Report was posted on the Los Vaqueros Project website on August 23, 2006 <http://www.lvstudies.com>
- Provides information on project progress in two primary areas: plan formulation and economics
- Applies valuation methods to a single alternative selected for analysis in the report.
- Concluded that Feasibility-level studies should continue, progressing toward the identification of a recommended plan
  - Identify potential project participants
  - Perform detailed operations analyses
  - Develop feasibility-level designs and costs
  - Continue to refine estimation of project benefits

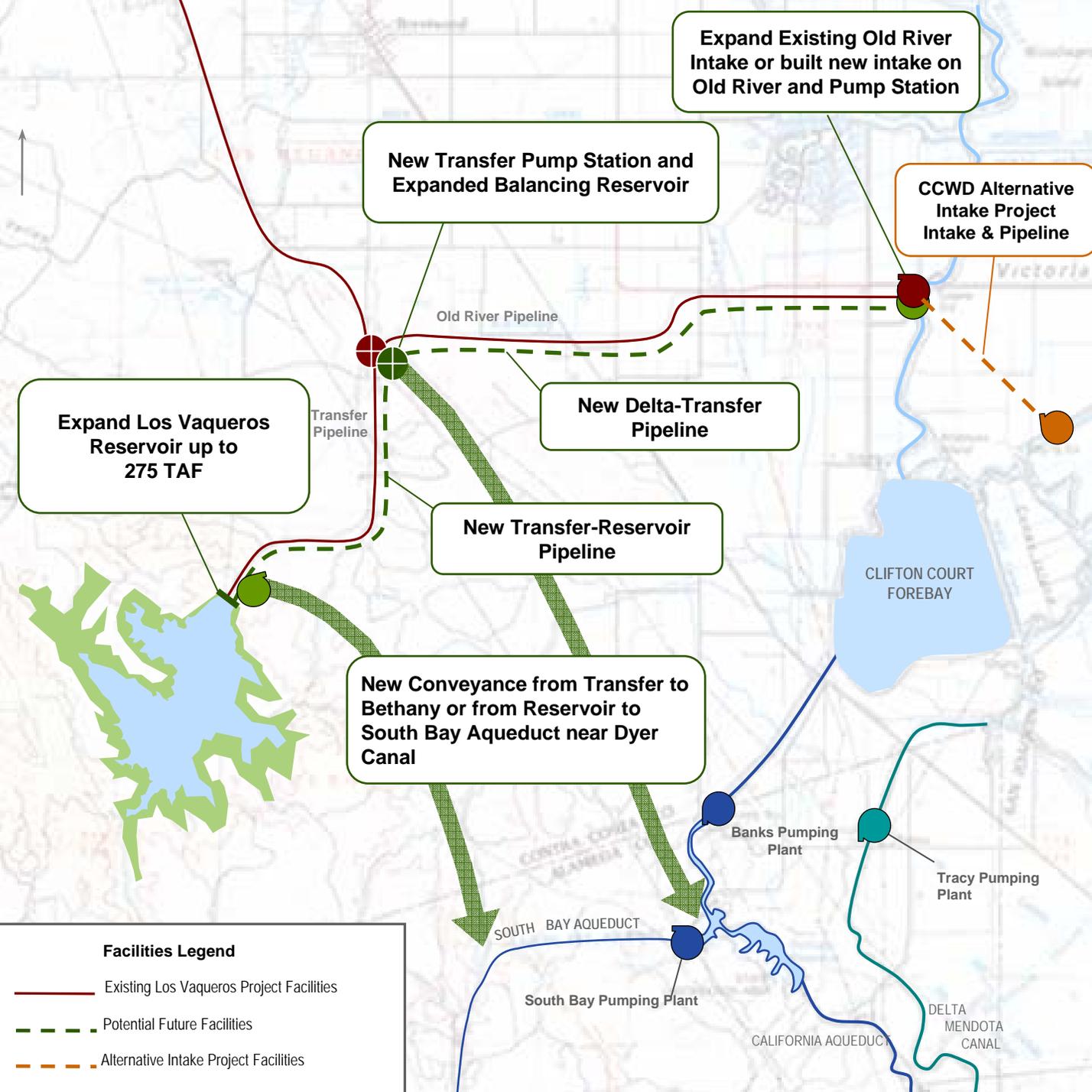




# Current Alternatives focus on a Moderate Dam Raise

- Previous studies considered large reservoir expansion alternatives (up to 500,000 acre-feet total capacity)
- Larger reservoir expansion alternatives require removal of the existing dam and construction of a new dam
- Moderate dam raise / reservoir expansion (up to 275 TAF) uses the existing dam core and structure
  - Reduced dam construction costs
  - Reduced construction time to enlarge existing dam
  - Reduced conveyance cost

# Existing and Expansion Project Facilities



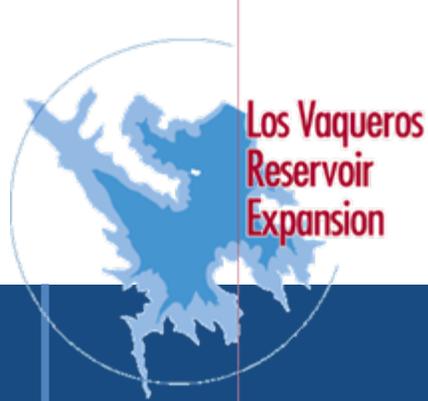
# Estimated Acreage of Habitat Required for Mitigation based on CALFED MSCS

Habitat Type	Habitat Affected (Acres) <sup>1</sup>	Conservation Measures <sup>2</sup>		Acreage of Mitigation Habitat Needed		Acres <sup>3</sup> of Habitat on Private Lands Identified within Eastern Contra Costa County
		Low Ratio	High Ratio	Low Estimate	High Estimate	
Valley/Foothill Riparian	7.6	2:1	5:1	15.2	38	134
Valley/Foothill Woodland and Forest	112	2:1	5:1	224	560	10,428
Upland Scrub	4.4	2:1	5:1	8.8	22	431
Grassland	992	1:1	3:1	992	2,976	21,636
<b>Total</b>	<b>1,116</b>			<b>1,240</b>	<b>3,596</b>	<b>32,629</b>

<sup>1</sup> Calculated from maximum potential impacts

<sup>2</sup> Specifies a quantitative mitigation factor identified in the CALFED MSCS 2000 Table D

<sup>3</sup> Includes riparian habitats



# Benefits from Expanded Los Vaqueros Reservoir

- Secure supply of environmental water
  - Alternatives range from 60-140 TAF annual average
- Increased dry year water supply reliability and emergency supply for Bay Area water agencies
  - 143 TAF average annual emergency supply
- Improved delivered water quality for CCWD and other Bay Area water agencies.

# Project Evaluation and Review

## Environmental Review

- CCWD and Reclamation will publish a joint Environmental Impact Statement / Environmental Impact Report (EIS/EIR)
  - Federal Environmental Review (NEPA)
    - Lead Agency – Bureau of Reclamation
  - State Environmental Review (CEQA)
    - Lead Agency – Contra Costa Water District

## Federal Feasibility Study

- Feasibility Report objectives
  - Evaluate final alternatives
  - Complete engineering feasibility
  - Identify Recommended Plan and Complete Economic Analysis

# EIS/EIR and Feasibility Report Schedule



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## Project Websites:

[www.storage.water.ca.gov/losvaq/index.cfm](http://www.storage.water.ca.gov/losvaq/index.cfm)

[www.usbr.gov/mp/vaqueros/index.html](http://www.usbr.gov/mp/vaqueros/index.html)

[www.lvstudies.com](http://www.lvstudies.com)



**Los Vaqueros  
Reservoir  
Expansion Studies**