



US Army Corps  
of Engineers



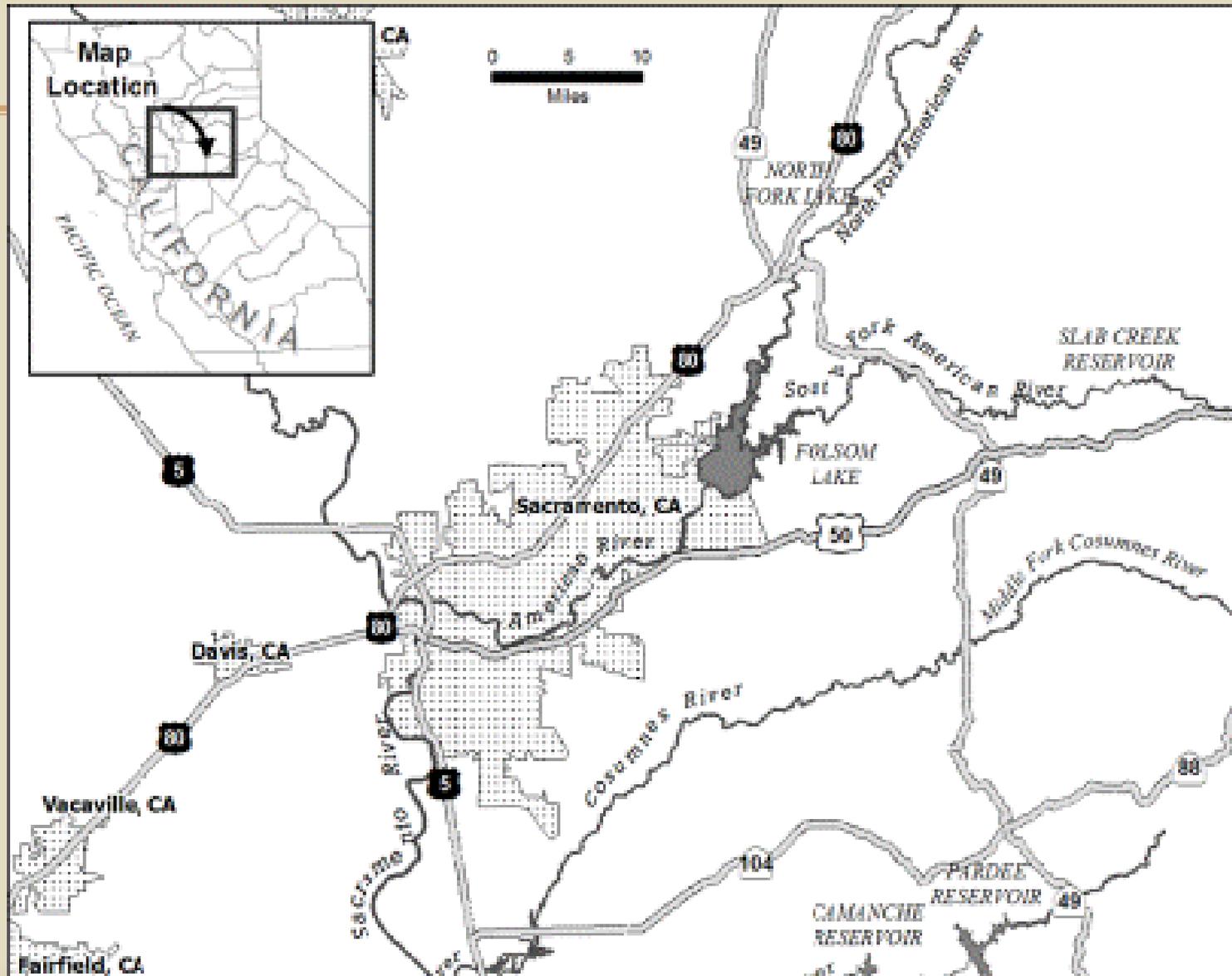
# Joint Federal Project Folsom Dam and Reservoir



## Canal/Asset Management Meeting

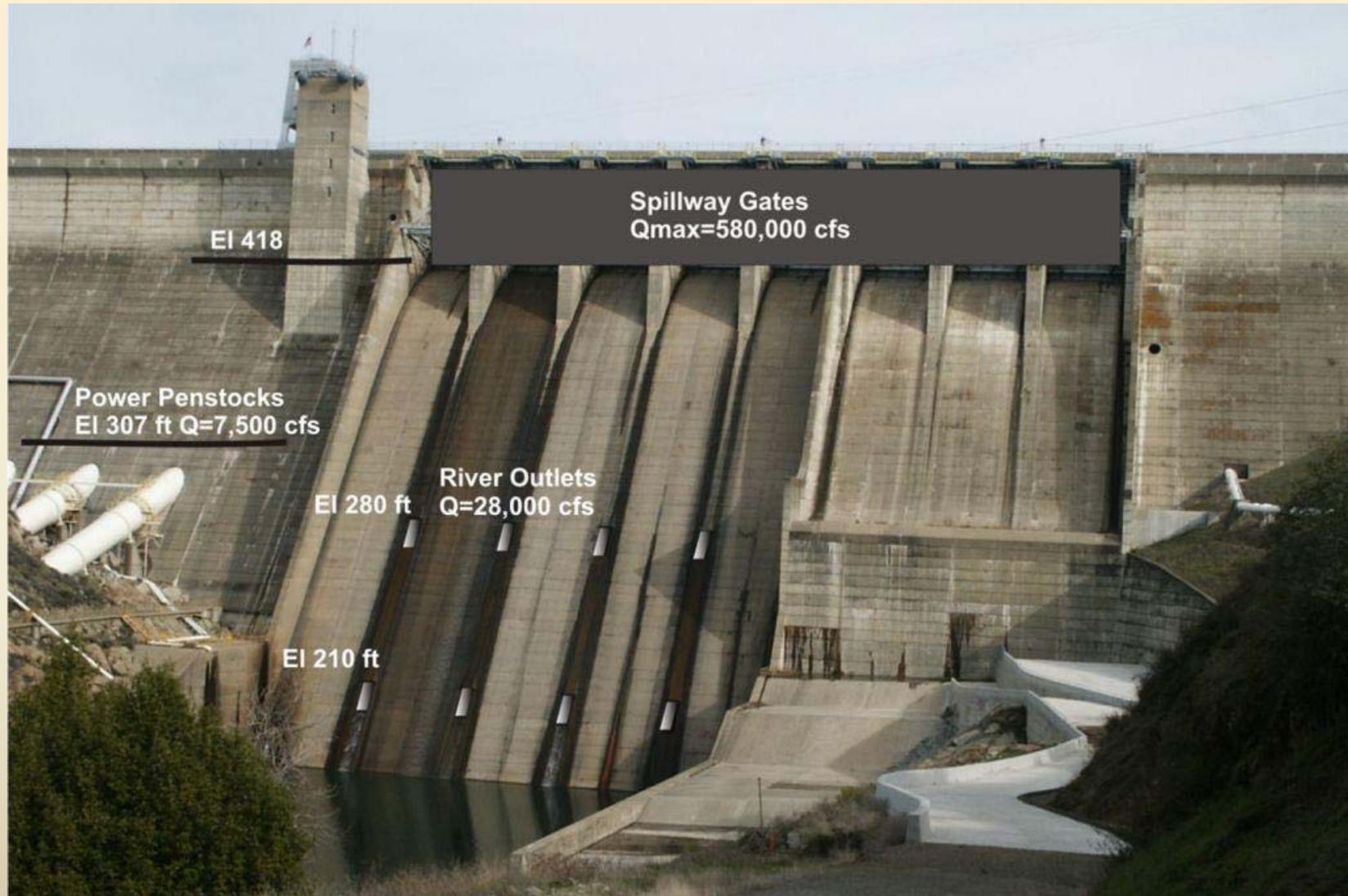
May 14, 2008

# Geographic Orientation





# Folsom Dam Release Capacity



## Common Objectives

- Design and construct a Joint Federal Project for Folsom Dam that expedites action by Reclamation and USACE to:
  - Provide 200-year or better flood protection
  - Address the dam safety hydrologic risk (pass Probable Maximum Flood)
- Complete other Dam Safety (DS) improvements
- Complete other Flood Damage Reduction (FDR) improvements



## Other Improvements

- Dam Safety
  - Seismic Stability Modifications
  - Seepage Control Modifications
- Flood Damage Reduction
  - Raise embankments 3.5'
  - Modification or replacement of emergency spillway gates

## Estimated Cost: All Folsom Dam Improvements

Project	USACE	Reclamation	Total
JFP (aux spillway)	\$ 683 m	\$ 164 m	\$ 847 m
Standalone D/S Modifications (static, seismic, other)	\$ 0 m	\$ 343 m	\$ 343 m
Standalone FDR Improvements (raise, gates)	\$ 160 m	\$ 0 m	\$ 160 m
TOTAL	\$ 843 m	\$ 507 m	\$ 1.35 b

## Construction Sequence (FY)

Feature	Lead	07	08	09	10	11	12	13	14	15	16	17	18
Standalone DS Modifications	Recl												
JFP Interim Spillway Excavation	Recl												
JFP Final Spillway Grade Excavation	Recl/ USACE												
Construct JFP Auxiliary Spillway	USACE												
Standalone FDR Raise	USACE												
Standalone FDR Gate Modifications	USACE												

# Partnership

- Agencies
  - Reclamation
  - Corps of Engineers
  - California Department of Water Resources/  
Reclamation Board
  - Sacramento Area Flood Control Agency (SAFCA)
- Department Leadership
  - Interior
  - Department of the Army
- Congressional Delegation

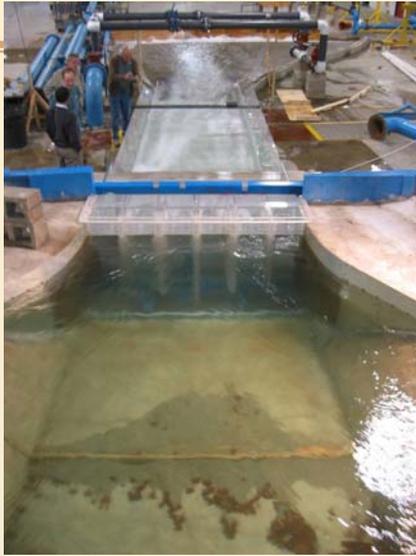
# Current Status



## Current Status

- Corps of Engineers
  - Completed 35% Design in April
    - Control Structure (Utah State)
    - Chute (St. Anthony Falls)
    - Stilling Basin (BOR)
    - Approach Channel
  - Independent Tech Review being conducted
  - Majority of model work complete
  - Constant coordination between BOR and COE

# Control Structure and Chute



# Stilling Basin



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Questions