

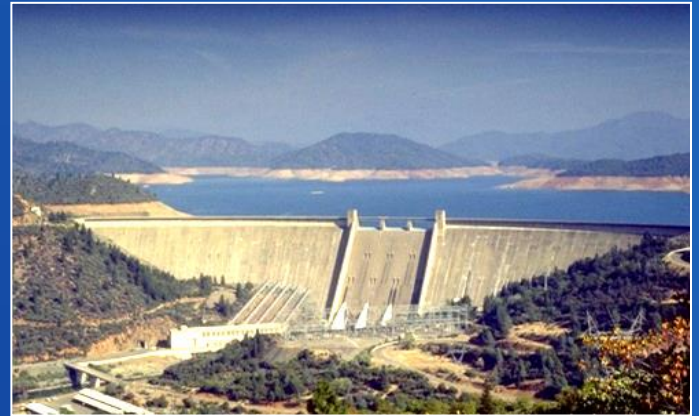
RECLAMATION

Managing Water in the West

Managing Through Drought & Climate Change

Presentation to MCWRA and ACWA

March 11, 2014



U.S. Department of the Interior
Bureau of Reclamation

Past, Current, & Future

➤ Precipitation – wrong time, wrong place

- Mining
- Irrigating
- Living

➤ Constructed Systems

- Conveyance
- Storage
- Disposal

➤ More of the Same?

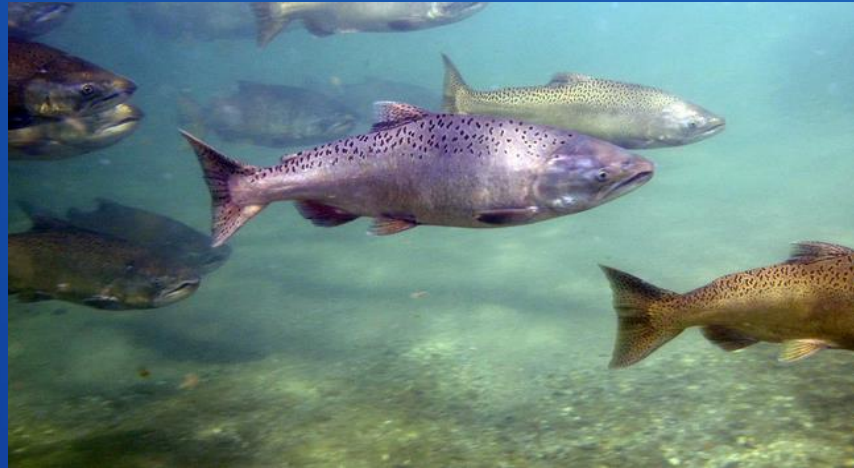


RECLAMATION

Values

➤ Environment

- Protection
- Restoration



➤ Conservation

- Use less
- Reuse
- Recycle

➤ Agriculture

- Permanent Crops
- Safe Food Supply
- Organic Practices



RECLAMATION

Current Hydrology

➤ **CALFED** - Designed to address past impacts, current hydrology, & future demand

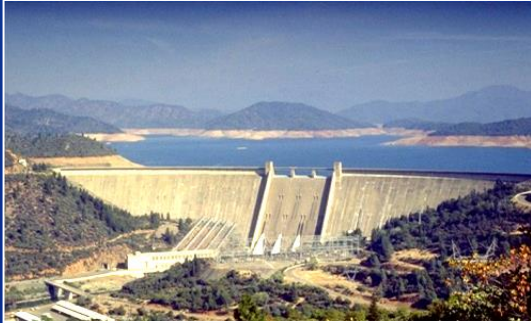
- Water Supply Reliability
- Surface Water
- Conveyance
- Ecosystem Restoration
- Water Use Efficiency
- Watersheds
- Water Quality
- Levees
- Science



RECLAMATION

Reclamation Feasibility Studies

CALFED Bay-Delta Surface Storage



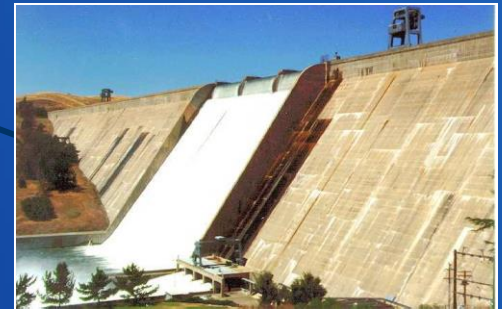
Shasta Enlargement



Los Vaqueros Expansion



**North-of-the-Delta
Offstream Storage**



**Upper San Joaquin
River Storage**

July 2013

RECLAMATION

Current Status

➤ Shasta Enlargement

- Draft EIS and Feasibility Report Complete
- Final EIS and Feasibility Report Winter 2014



➤ Upper San Joaquin Storage

- Draft EIS and Feasibility Report – Summer 2014
- Final EIS and Feasibility Report – Summer 2015

➤ Los Vaqueros Enlargement

- Phase I - Complete
- Phase II - TBD



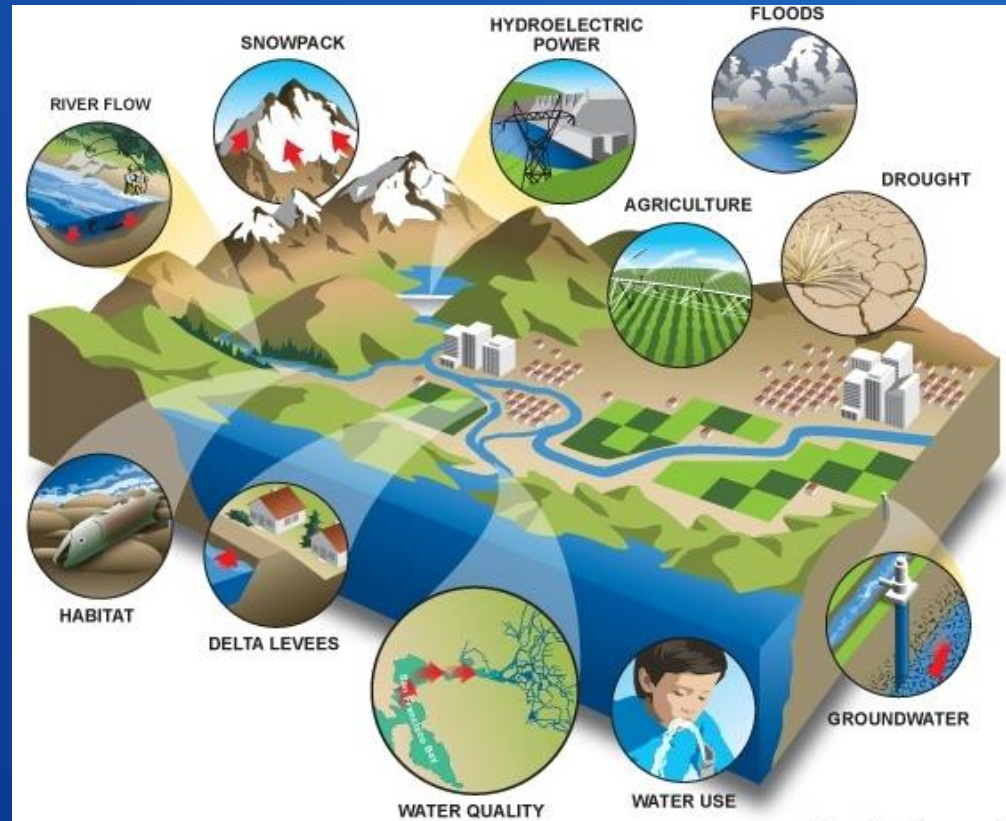
➤ North of Delta Off-Stream Storage

- Progress Report – Complete

RECLAMATION

Future Hydrology

- **Climate Change Impacts:**
 - Temperature
 - Precipitation
 - Energy & water demands
 - Economies
 - Ecosystems and plant communities
- **System Capability**
 - New facilities?
 - New operations?
 - New technology?



RECLAMATION