

RECLAMATION

Managing Water in the West

Sacramento-San Joaquin Basins Study

State Water Plan 2013 Update

Informational Meeting

May 2, 2013



U.S. Department of the Interior
Bureau of Reclamation

WaterSMART Program

- Implements SECURE Water Act, Public Law 111-11
- Established in 2010 by Secretary Salazar to...
 - Analyze water supplies and demands in each major river basin and determine potential impacts of climate change
 - Propose adaptive strategies to mitigate climate change impacts and its potential impact on future water demands
 - Identify options and strategies to promote long-term water supply sustainability



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Basin Studies

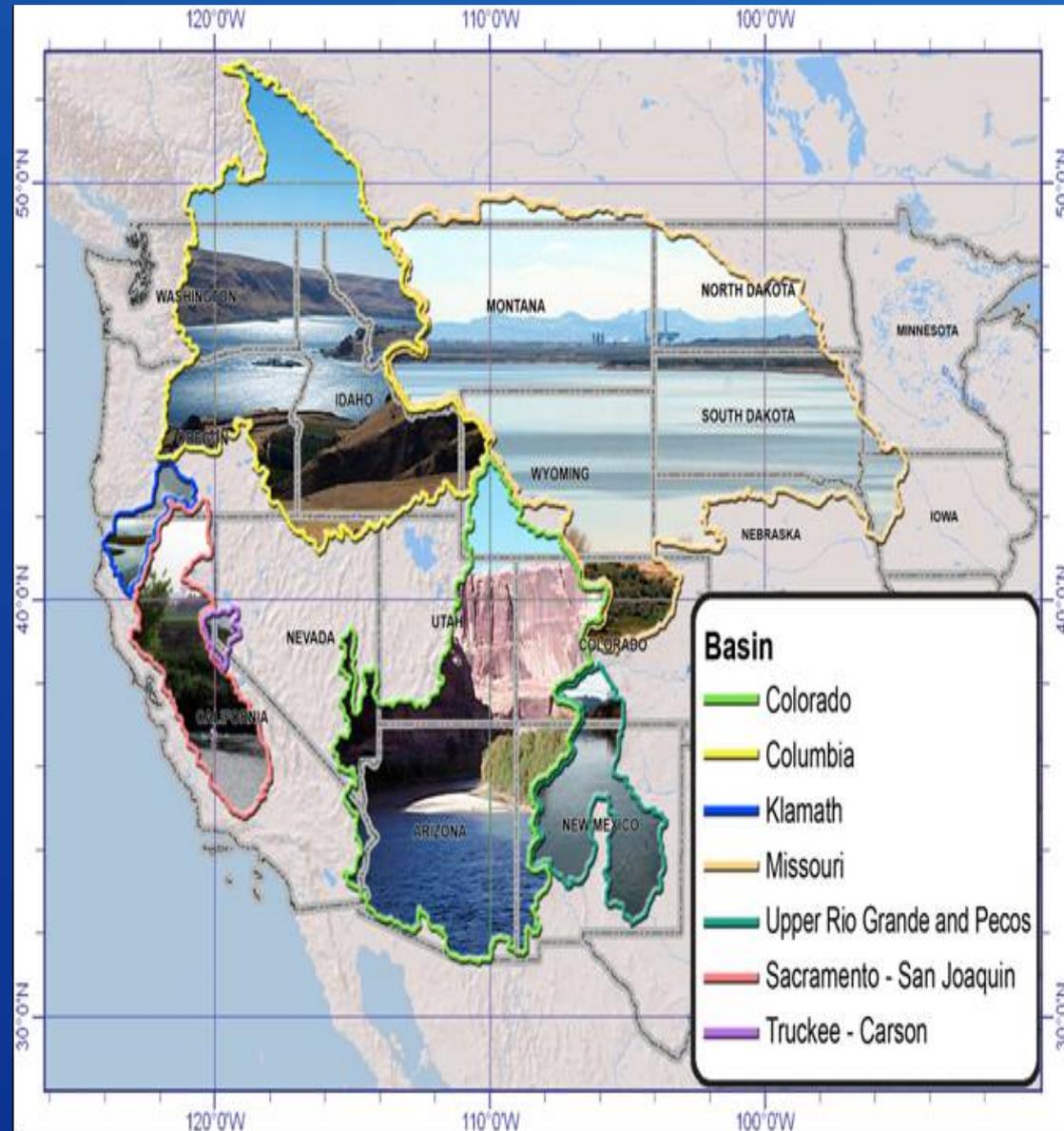
- **Purpose**

- Work with state and local partners in 17 Western States to evaluate future water supply and demand imbalances in a changing climate

- **Basin Studies Include:**

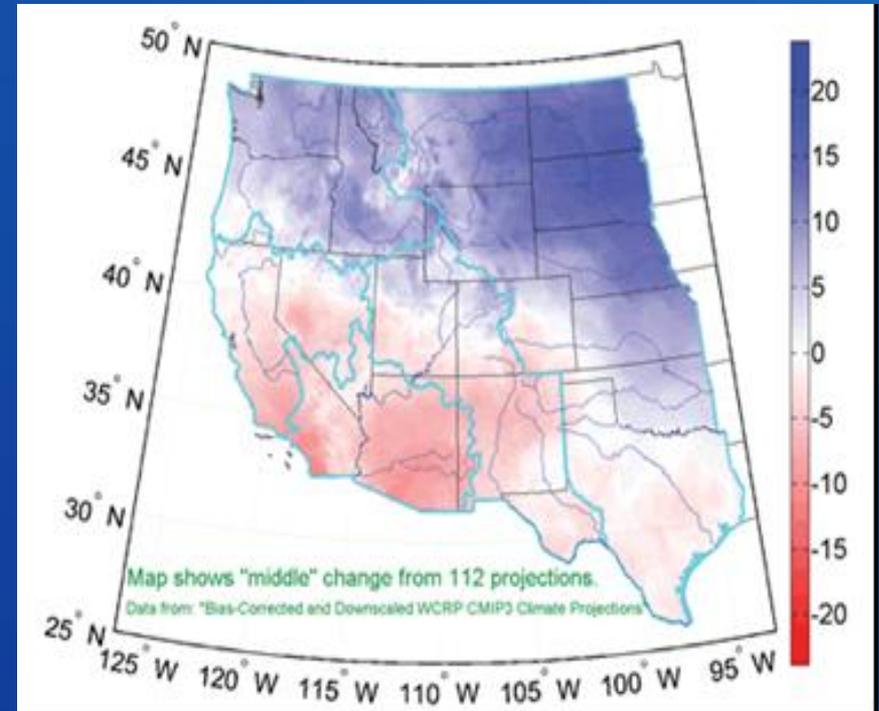
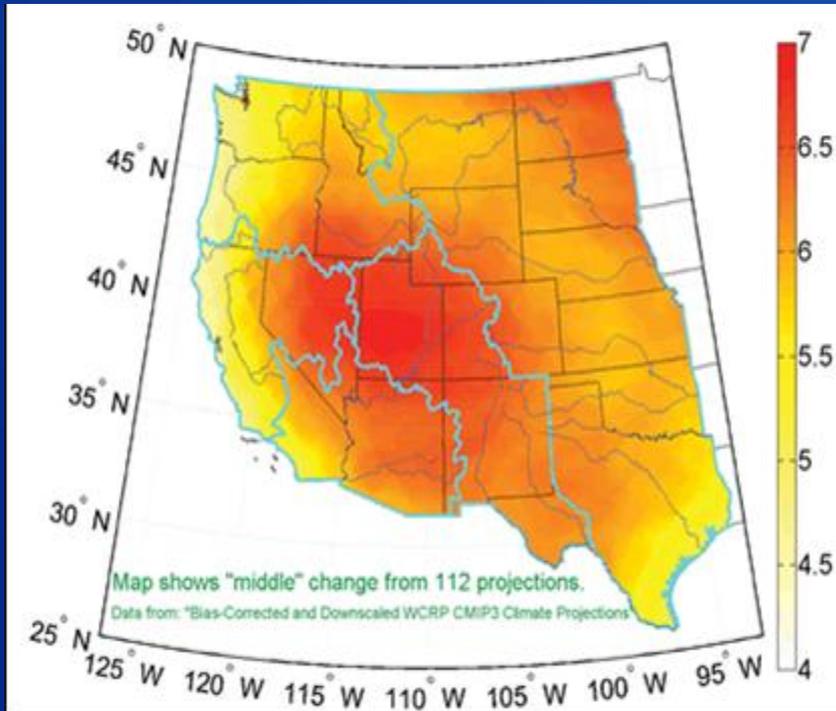
- Assessments of the risks and impacts of climate change on water resources, and
- Development of potential mitigation and adaptation strategies to meet future demands
- Provides for more detailed investigations to determine viability of specific adaptive strategies

**The SECURE
Water Act
Section 9503(c)
Identifies 8
Major
Reclamation
River Basins**



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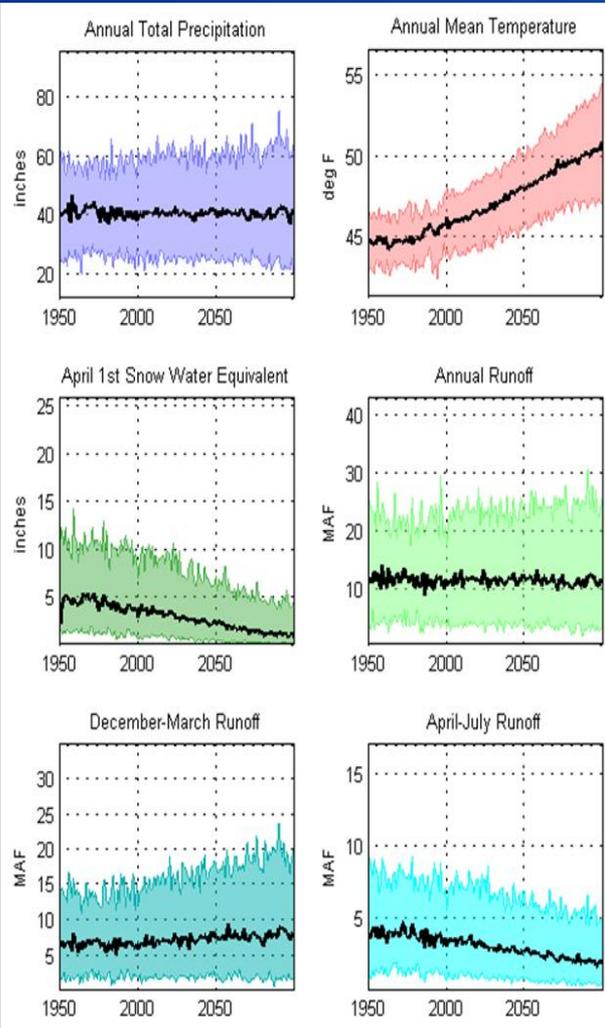
Reclamation's April 2011 Report to Congress on Climate Change and Water



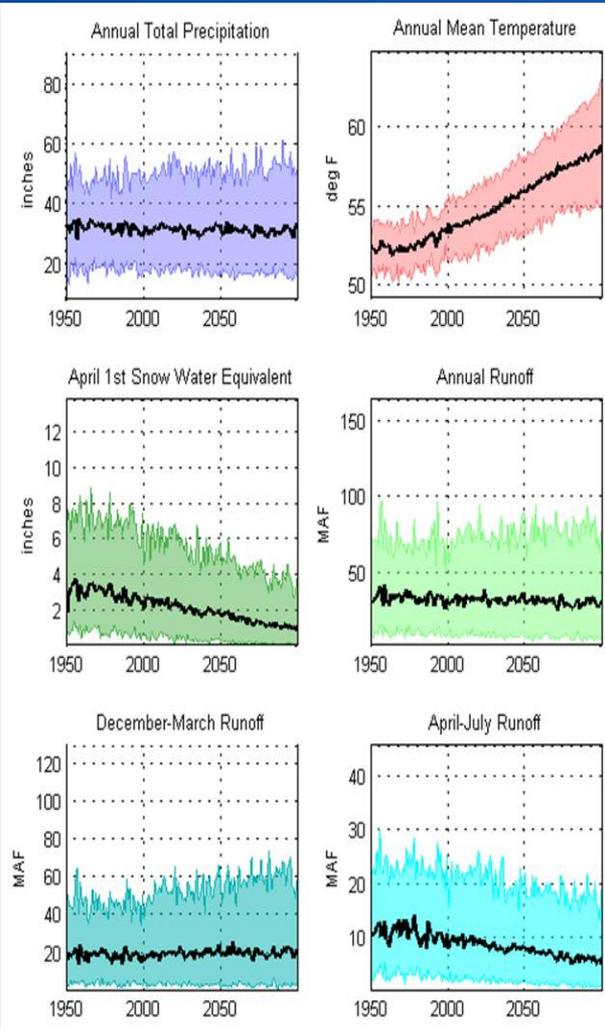
Projected median temperature ($^{\circ}\text{F}$) and precipitation (%) changes at the end of 21st century (2070–2099) relative to historic conditions (1950–1979)

Mid-Pacific Region Hydro-Climate Projections

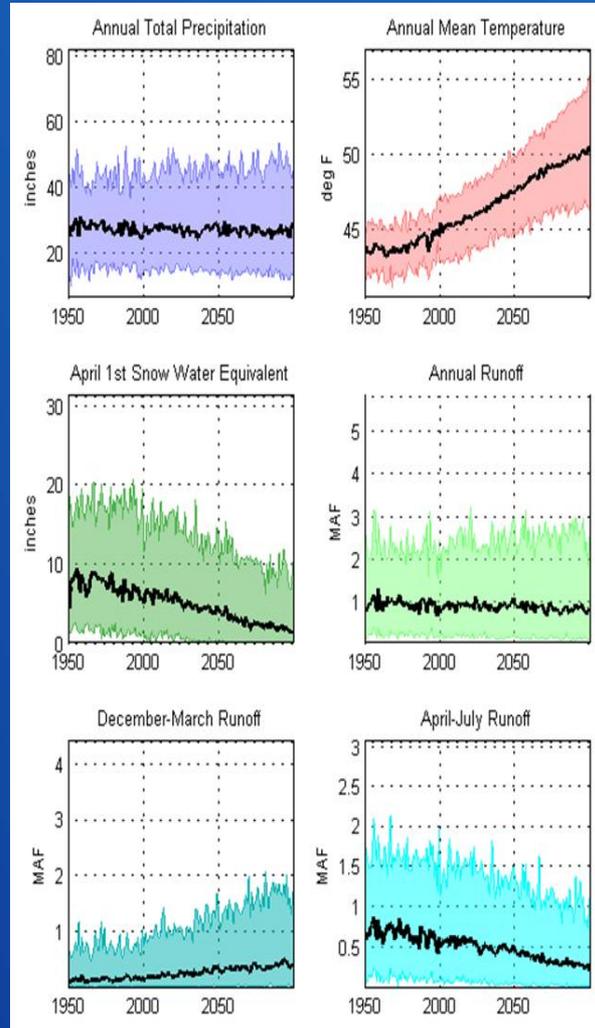
Klamath Basin



Sacramento-San Joaquin Basins



Truckee-Carson Basins

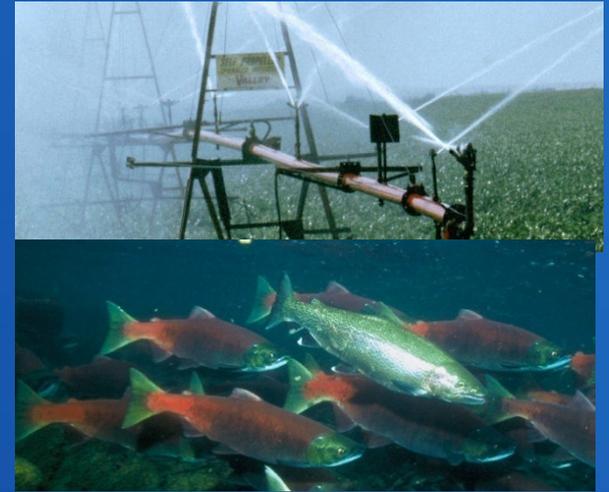


Note: Runoff scales vary by basin

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Basin Study Elements

1. Assessment of existing & future water supplies and demands, including impacts of climate change
2. Analysis of how basin's existing water and power operations and infrastructure will perform with climate change
3. Development of options to improve operations and infrastructure
4. Trade-off analysis of options identified, findings, and recommendations for adaptive responses to changes identified
5. Recommendations for more detailed viability studies



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SACRAMENTO-SAN JOAQUIN BASINS STUDY



ates the entire watersheds of the
nto, San Joaquin and Tulare Lake
Also includes portions of the
Trinity River watersheds

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Sacramento - San Joaquin Basins Study

• Phase 1 - Plan of Study

- Phase 1 Awarded in August 2011
- Plan of Study Completed in December 2011

• Phase 2 – Basin Study

- Application Process / Letters of Interest from non-federal partners – Nov 2011
- Basin Study Funding Proposal – Feb 2012
- Funding Announced – March 2012
- CH2M HILL team selected – September 2012

• Basin Study Timeline

- Study started October 2012
- Complete within 24 months (October 2014)

SACRAMENTO-SAN JOAQUIN BASINS STUDY PLAN PROPOSAL



A Collaborative Proposal From

State of California - Department of Water Resources
Stockton East Water District
California Partnership for the San Joaquin Valley



California Partnership for the
San Joaquin Valley



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Basin Study Partners and Stakeholders

➤ Cost-Share Partners include:

- Reclamation
- California DWR
- Stockton East Water District
- California Partnership for San Joaquin Valley
- El Dorado County Water Agency
- Madera County Resource Management Agency
- **Recent Additions:**
- Friant Water Authority
- Mountain Counties Water Resources Assn.
- **Proposing to add State & Federal Water Contractors Assn & NCWA as Partners**

➤ Complements and builds on other ongoing studies, information, and outreach efforts:

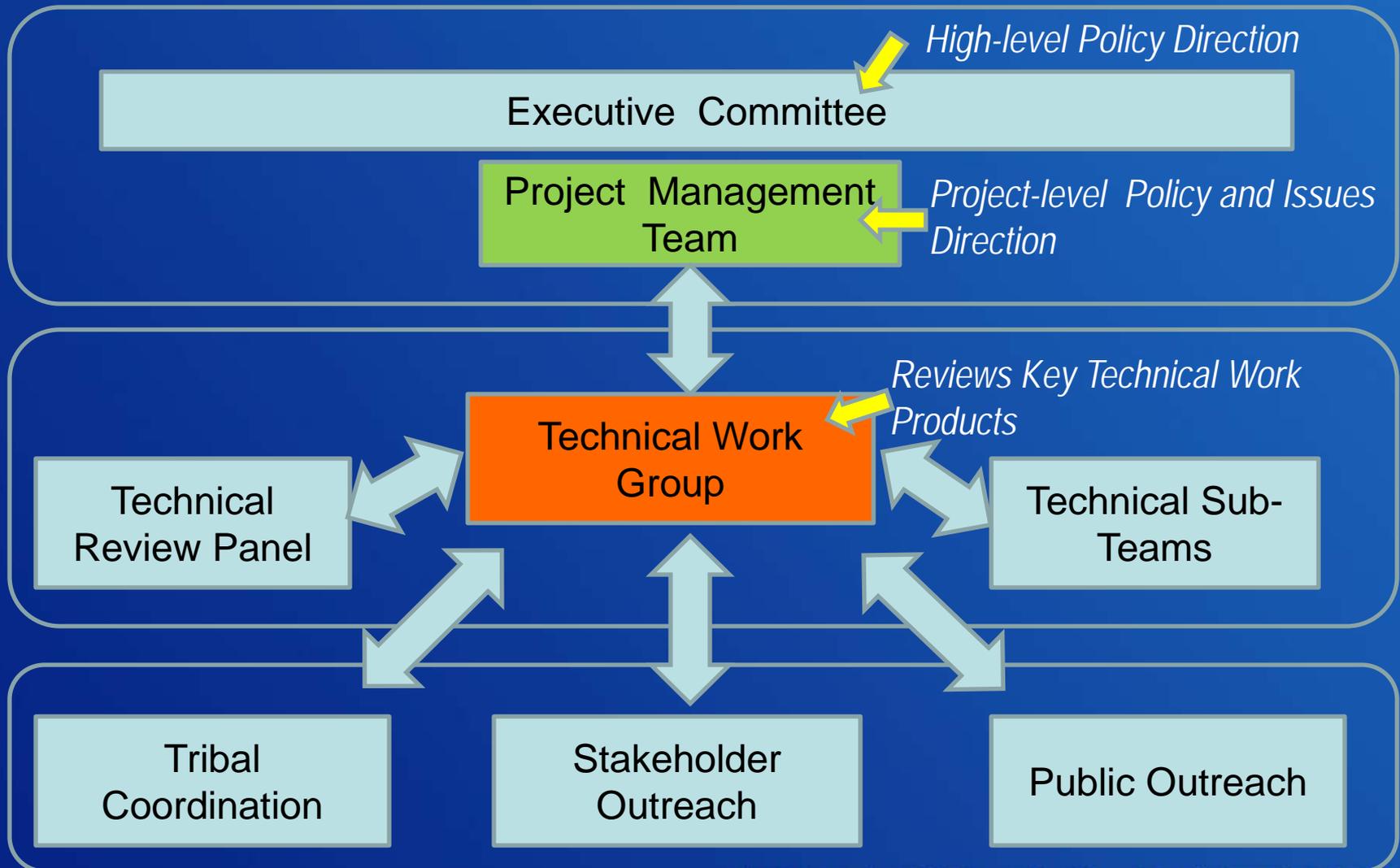
- DWR's Water Plan 2013 Update & System Re-Operation Plan
- Reclamation's CVP IRP
- Bay-Delta Planning Process
- State & Federal Storage Investigations
- Others

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Study Management Structure

Group	Function	Proposed Members
Executive Committee	High-Level Policy Direction	Reclamation and Partner Executive Leadership Members
Project Management Team	Project-Level Policy & Study Management Direction	Reclamation's Project Manager and Partner's Designated Study Participants
Technical Work Group	Provides Review of Key Technical Work Products	Technical Staff from Reclamation, Consultant Team and Study Partners
Technical Review Panel	Provides External Peer Review of Key Technical Deliverables	Subject Experts Nominated by the Partners and Reclamation

Study Management Structure



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Basins Study Timeline

