

Tribal Informational Meeting

UPDATE ON DELTA CONVEYANCE



**California Department of Water Resources
Thunder Valley Conference Room – Pano Hall
1200 Athens Avenue, Lincoln, CA 95628
September 11, 2019
9:30 a.m. to 3:00 p.m.**

- 9:30 a.m. – 10:00 a.m. **Check-in and Register**
- 10:00 a.m. – 10:15 a.m. **Welcome**
- Tribal Welcome, United Auburn Indian Community Tribal Government Representative
 - Traditional Blessing
 - Welcome
 - Christina Snider, Tribal Advisor, Office of the Governor
 - Cindy Messer, Chief Deputy Director, Department of Water Resources
- 10:15 a.m. – 10:30 a.m. **Tribal Introductions
State Agency Representatives Introductions**
- 10:30 a.m. – 12:00 p.m. **Discuss the status and next steps related to Delta water conveyance;
Update on associated environmental planning efforts; Update on future
CEQA and AB52 requirements**
- Presentations:
- Modernizing Delta Conveyance to Meet California's 21st Century Water Needs
 - Delta Conveyance Environmental Planning
 - Tribal Engagement
- 12:00 p.m. – 1:15 p.m. **Lunch (provided)**
- 1:15 p.m. – 2:15 p.m. **Tribal Listening Session with Tribal Advisor Christina Snider on
California's Water Resilience Portfolio**
- Tribal Participation Only
 - Tribal Roundtable Discussion
- 2:15 p.m. – 2:45 p.m. **Reconvene with Full Participation of Attendees**
- Tribal Comments, Tribal recommendations
 - Question and Discussion Session
- 2:45 p.m. – 3:00 p.m. **Summary and Next Steps
Closing Remarks – Agency and Department of Water Resources
Closing Remarks – Tribal Governments**
- 3:00 p.m. Adjourn

State Representatives Participating

Office of the Governor

- ❖ Christina Snider, Tribal Advisor

Department of Water Resources (DWR)

Executive Division

- ❖ Cindy Messer, Chief Deputy Director (speaker)
- ❖ Anecita Agustinez, Tribal Policy Advisor (speaker, meeting facilitator)
- ❖ Tim Nelson, Tribal Liaison

Delta Conveyance Office (DCO)

- ❖ Gary Lippner, Deputy Director (speaker)
- ❖ Carrie Buckman, Assistant Deputy Director (speaker)
- ❖ Greg Farley, Executive Advisor
- ❖ Kristina Reese, Environmental Program Manager
- ❖ Katherine Marquez, Program Manager

Office of the Chief Counsel

- ❖ David Sandino, Senior Staff Counsel
- ❖ Ed Gee, Staff Counsel

Delta Conveyance Design and Construction Authority (DCA)

- ❖ Nathan Purkiss, Communications and Outreach Manager

Tribal Engagement on Delta Conveyance Environmental Planning and Review

Tribal Informational Meeting, September 11, 2019



CALIFORNIA DEPARTMENT OF
WATER RESOURCES

Anecita Agustinez, Tribal Policy Advisor

DWR Tribal Engagement Policy

DWR adopted the following policy principles to achieve early and meaningful tribal engagement and to strengthen and sustain collaboration with California Tribes:

- **Establish a meaningful dialogue** between DWR and California Tribes early on in planning CEQA projects to ensure that DWR's tribal outreach efforts are consistent with mandated tribal consultation policies, and to ensure that California Tribes know how information from consultation affected DWR's decision making process;
- **Establish guidelines** to share information between DWR and California Tribes, while protecting their confidential information to the fullest extent of the law.;
- **Consult with California Tribes to identify and protect tribal cultural resources** where feasible, and to develop treatment and mitigation plans to mitigate for impacts to tribal cultural resources and cultural places;
- **Develop criteria in communication plan and grant funding decisions** for all applicable DWR programs that will facilitate tribal participation;
- **Provide cultural competency training** for DWR executives, managers, supervisors and staff on tribal engagement and consultation practices;
- **Recognize** that California Tribes have distinct cultural, spiritual, environmental, economic, public health interests, and **traditional ecological knowledge** about California's natural resources;
- **Enable California Tribes to manage and act as caretakers of tribal cultural resources.**



Delta Conveyance Tribal Consultation

- With permits rescinded, DWR will commence a new AB 52 consultation process
- Early consultation for both CEQA review of initial data collection actions as well as the expected proposal for Delta Conveyance to protect Tribal Cultural Resources
- Incorporate mitigation measures into CEQA documents
- Facilitate development of Tribal monitoring protocols and monitoring agreements



Background: Previous BDCP/CA WaterFix Tribal Consultation

- Bay-Delta Conservation Plan Tribal Outreach in late 2013
 - Reached out to 40 Tribes with phone calls and Email
- Continued Tribal Consultation – CA WaterFix Informative Meetings
 - Provided 25 Tribal Informative meeting dates
- Record Searches from CHRIS and NAHC
- USACE on Permitting for CA WaterFix
 - Section 404
 - National Historic Preservation Act – Section 106
 - Developed Programmatic Agreement (PA) with Tribal consultation
- Tribal (3 Tribes) participation on Initial Surveys and Site Visits



Future Tribal Engagement

- DWR will engage with Tribes
 - In accordance with E.O. B-10-11 (Brown)
 - CNRA Tribal Consultation Policy (2012)
 - DWR's Tribal Engagement Policy (2016)
 - Assembly Bill 52 (2014) effective July 1, 2015
- DWR will work with expected lead federal agencies to support Section 106 consultation with Tribes

DWR is committed to proactive and meaningful engagement with Tribes who are interested in Delta Conveyance Environmental Planning and Review.



DWR - AB52 Consulting Tribes

1. Barona Band of Mission Indians
2. Big Pine Paiute Tribe of the Owens Valley
3. Fernandño Tataviam Band of Mission Indians
4. Ione Band of Miwok Indians
5. Karuk Tribe
6. Mechoopda Indian Tribe of Chico Rancheria
7. Middletown Rancheria of Pomo Indians of California
8. Pit River Tribe
9. San Luis Rey Band of Mission Indians
10. San Manuel Band of Mission Indians
11. Shasta Indian Nation
12. Tongva Ancestral Territorial Tribal Nation
13. United Auburn Indian Community of the Auburn Rancheria of California
14. Wilton Rancheria
15. Wintu Tribe of Northern California & Toyon-Wintu Center
16. Yocha Dehe Wintun Nation

Updated: September 2019



Thank You A'he'hee

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Tribal Policy Advisor
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tribalpolicyadvisor@water.ca.gov





California Department of Water Resources

Assembly Bill 52 Tribal Consultation Requests

Name Tribe	Tribal Cultural Area
Barona Band of Mission Indians	Not specified (San Diego County)
Big Pine Paiute Tribe of the Owens Valley	Inyo, Mono, northern San Bernardino and northeast Kern counties
Fernandeño Tataviam Band of Mission Indians	portions of Kern, Los Angeles and Ventura counties
Ione Band of Miwok Indians	Alameda, Alpine, Amador, Calaveras, Contra Costa, El Dorado, Placer, Sacramento, San Francisco, San Joaquin, Solano, south Sutter and Yolo counties
Karuk Tribe	see map. Includes Portions of Del Norte, Humboldt, and Siskiyou counties
Mechoopda Indian Tribe of Chico Rancheria	Butte County and eastern Glenn County, land adjacent to Butte County line in Plumas, Sierra, Sutter, Tehama and Yuba counties
Middletown Rancheria of Pomo Indians of California	see map for specific area: Southern Lake County, Northern Napa County, tiny bit of eastern Sonoma County
Pit River Tribe	Portions of Lassen, Modoc, Shasta and Siskiyou counties
San Luis Rey Band of Mission Indians	Northern San Diego County and cities
San Manuel Band of Mission Indians	most of San Bernardino County, also southeast Kern, eastern Los Angeles and northwestern Riverside counties
Shasta Indian Nation	Siskiyou County
Tongva Ancestral Territorial Tribal Nation	Los Angeles, Orange, Ventura, Riverside and San Bernardino counties
United Auburn Indian Community of the Auburn Rancheria of California	All of Amador, El Dorado, Nevada, Placer, Sacramento, Sutter and Yuba counties, as well as portions of Butte, Plumas, San Joaquin, Sierra, Solano and Yolo counties
Wilton Rancheria	Sacramento County and portions of the surrounding counties
Wintu Tribe of Northern California & Toyon-Wintu Center	Portions of Trinity and Shasta counties, possibly Tehama and Siskiyou counties based on map
Yocha Dehe Wintun Nation	Not specified (Yolo County)

As of 9/04/2019

WHAT SHOULD BE PART OF THE PORTFOLIO?



PORTFOLIO CONSIDERATIONS

Planning a water resilient California will require partnerships with California Native American Tribes, stakeholders, state agencies, and the public to address the following challenges:

- >> Providing communities with safe, affordable drinking water; protecting fish and wildlife; and meeting health and human needs during the next drought.
- >> Implementing sustainable groundwater laws.
- >> Adopting new and innovative technologies to bolster the sustainability of water systems.

The State of California Water Resilience Portfolio should:

- >> Prioritize approaches that meet multiple needs at once.
- >> Strengthen partnerships with local, federal, and tribal governments; water agencies and irrigation districts; and other stakeholders.
- >> Utilize natural infrastructure such as forests and floodplains.

WE WOULD LIKE TO HEAR YOUR IDEAS on how to make a water resilient California by October 1, 2019. Tribal input submissions should be made via email to input@waterresilience.ca.gov with the subject line "[Tribe Name] Tribal Response."



STATE OF CALIFORNIA WATER RESILIENCE PORTFOLIO INITIATIVE



HELP SHAPE CALIFORNIA'S WATER FUTURE

The Newsom Administration seeks input from California tribal governments to help shape a road-map for meeting future water needs and ensuring environmental and economic resilience through the 21st century.

Tribal input will assist the Administration in developing recommendations that will be used to prepare a water resilience portfolio pursuant to Governor Gavin Newsom's April 29 **Executive Order N-10-19**.

The Administration specifically seeks to address the realities of increasingly extreme droughts and floods, rising temperatures, year-round wildfires, species declines, aging infrastructure, contaminated water supplies and changing demands for water.

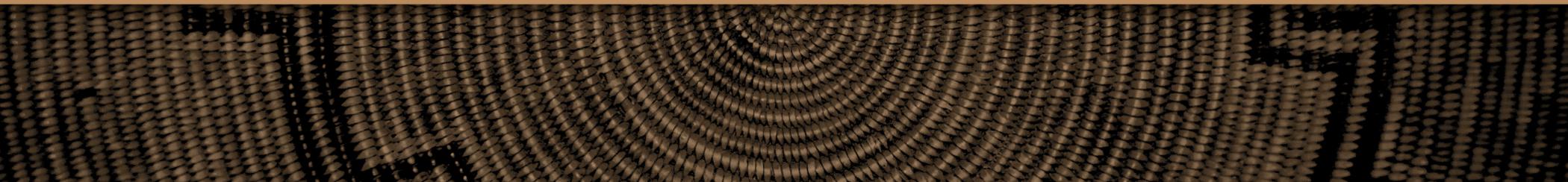
CALIFORNIA TRIBAL RESILIENCY

- >> How can the State work with tribal communities ensure availability of safe, affordable drinking water?
- >> What can the State do to better enable tribal, local and regional water districts to capture, store and move water?
- >> What state actions can support ongoing water conservation in your community?
- >> How can the State better assist in protecting fish and wildlife and managing urban and agricultural water through the next drought?
- >> Which state policies or laws no longer fit California's water reality, public values or tribal systems?
- >> What are the most troublesome gaps in state data that, if filled, would ease regional and tribal water management?
- >> Are there proven technologies, knowledges and forecasting tools your Tribe currently uses that should be adopted across California to bolster the sustainability of water systems?
- >> What models from tribes, other states and nations should California consider adopting?

How can we meet the water needs of California's communities, economy, and environment for generations to come?

Tribal input submissions should be made via email to input@waterresilience.ca.gov with the subject line "[Tribe Name] Tribal Response."

Check the calendar of events at <http://waterresilience.ca.gov/calendar/>

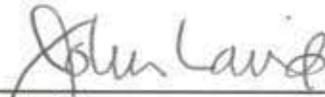


CALIFORNIA NATURAL RESOURCES AGENCY
ADOPTION OF FINAL TRIBAL CONSULTATION POLICY

November 20, 2012

Pursuant to Executive Order B-10-11 dated September 19, 2011, the California Natural Resources Agency hereby adopts the attached Final Tribal Consultation Policy, Exhibit A.

Date: 11/20/12



John Laird
Secretary for the California Natural Resources Agency

1416 Ninth Street, Suite 1311, Sacramento, CA 95814 Ph. 916.653.5656 Fax 916.653.8102 <http://resources.ca.gov>



California Natural Resources Agency Tribal Consultation Policy

Purpose of the Policy

The mission of the California Natural Resources Agency is to restore, protect and manage the state's natural, historical and cultural resources for current and future generations using creative approaches and solutions based on science, collaboration and respect for all the communities and interests involved. California Native American Tribes and tribal communities have sovereign authority over their members and territory and a unique relationship with California's resources. All California Tribes and tribal communities, whether federally recognized or not, have distinct cultural, spiritual, environmental, economic and public health interests and unique traditional cultural knowledge about California resources.

On September 19, 2011, Governor Edmund G. Brown, Jr. issued Executive Order B-10-11, which provides, among other things, that it is the policy of the administration that every state agency and Department subject to executive control to implement effective government-to-government consultation with California Indian Tribes.

The purpose of this policy is to ensure effective government-to-government consultation between the Natural Resources Agency, its Departments of the Natural Resources Agency and Indian tribes and tribal communities to further this mission and to provide meaningful input into the development of regulations, rules, policies, programs, projects, plans, property decisions and activities that may affect tribal communities. It is only by engaging in open, inclusive and regular communication efforts that the interests of California's Tribes and tribal communities will be recognized and understood in the larger context of complex decision-making. The goal of the policy is to engage in the timely and active process of respectfully seeking, discussing and considering the views of California Indian Tribes, Tribal communities and Tribal Consortia in an effort to resolve concerns of as many parties as possible.

Each Department in the Natural Resources Agency has a different statutory mandate and, in some cases, may have consultation, communication, collaboration or interaction requirements imposed on it by other laws or regulations. For instance, Departments may have requirements under federal law to engage in consultation with Tribal governments. This policy is not intended to replace or supplant obligations mandated by federal law. This policy defines provisions for improving Natural Resources Agency consultation, communication and collaboration with tribes to the extent that a conflict does not exist with applicable law or regulations. Department is defined as any department, board, commission, council or conservancy subject to executive control.

This policy anticipates a deliberate process that aims to create effective collaboration and informed decision making where all parties share a goal of reaching a decision together. All parties in the process should promote respect, shared responsibility and an open and free

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Tribal Policy
Page 2

exchange of information. The inclusion of tribes and tribal communities throughout the decision-making process will promote positive, achievable, durable outcomes.

This policy is intended solely for the guidance of employees of the Natural Resources Agency and its Departments and does not extend to other governmental entities, although the Natural Resources Agency encourages cooperation, education and communication on the part of all governmental entities. This policy is not intended, and should not be construed, to define the legal relationship between the Natural Resources Agency and its Departments and California tribes and tribal communities. This policy is not a regulation, and it does not create, expand, limit, waive, or interpret any legal rights or obligations.

The Secretary of the Natural Resources Agency hereby directs the Agency staff and Departments to undertake implementation of the policy as set forth below.



Implementation of the Tribal Consultation Policy

1. Outreach. The Agency and Departments must identify the Native American tribes to consult at the earliest possible time in the planning process and allow a reasonable opportunity for tribes to respond and participate. Each Department is responsible for meaningful consultation with Native American tribes that promote regular and early consultation through communication and collaboration. Each Department will identify participants in the process - including the decision-makers and staff with an appropriate level of responsibility - that can ensure that tribal concerns will be brought forward.

Each Department shall disseminate public documents, notices and information to California Indian Tribes, tribal communities and tribal consortia, minimally by contacting tribal government officials. The documents, regarding the topic for consultation, shall be made readily accessible to tribes and be provided at the earliest opportunity. Notification should include sufficient detail of the topic to be discussed to allow tribal leaders an opportunity to fully engage in a substantive dialogue. In the event the Department makes an attempt to initiate contact and does not receive a response, the Department should make reasonable and periodic efforts throughout the process to repeat the invitation.

Each Department should conduct meetings, outreach and workshops at times and locations that facilitate tribal participation as much as possible. The Departments will be open to communication opportunities initiated by Tribes and seek opportunities for collaboration by communicating regularly with tribes. Each Department should establish a mechanism to request relevant and available information, studies and data from tribes when conducting research or studies that relate to, or could impact, tribal lands or cultural resources. The Department should seek to protect any confidential information provided to the fullest extent allowed by the law, recognizing that the Departments are subject to the California Public Records Act.

2. Tribal Liaisons. Each Department should designate a tribal liaison, or liaisons, to serve as the central point of contact for Indian tribes. The role of the tribal liaison will be to ensure that Department outreach and communication efforts are undertaken in a manner consistent with this policy. Tribal liaisons should be encouraged and empowered to



Tribal Policy
Page 4

develop ongoing and regular communication with tribal representatives. Where possible and where consistent with Administration policy and guidance, tribal liaisons should use these ongoing relationships to inform tribes of issues of interest that may not necessitate consultation, such as legislative proposals that may affect tribal communities. Tribal liaisons should make an effort to provide feedback to the tribes on how information obtained from a consultation informed the Department's decision making process.

3. Tribal Liaison Committee. The Agency hereby designates the CNRA Tribal Liaison Committee consisting of Department tribal liaisons that will meet on a regular basis in the Office of the Secretary to review tribal consultation efforts and opportunities in the Departments and share information.
4. Access to Contact Information. The Agency shall work with the Native American Heritage Commission to maintain a contact list of tribal representatives from federally-recognized and non-federally recognized California Indian Tribes.
5. Training. The Agency will provide training to tribal liaisons and executive staff, managers, supervisors and employees on implementation of this policy.



Delta Conveyance Environmental Planning

Carrie Buckman, Environmental Program Manager

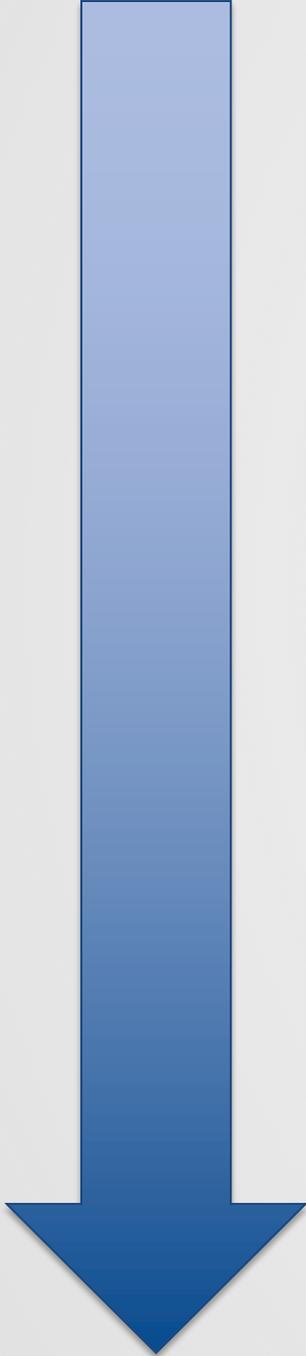


Discussion Topics

- Discuss the status and next steps related to Delta water conveyance
- Update on associated environmental planning efforts
- Update on future CEQA and AB52 requirements



Past Delta Conveyance Planning Efforts



2006-2015: Bay Delta Conservation Plan

2016-2018: California WaterFix (CWF)

July 2017: CEQA Approval of CWF Project

2018: CWF Project Refinements



Recent Updates



Governor's State of the State
2/12/2019

Executive Order N-10-19
4/29/2019

DWR withdrawal of CWF Approvals
5/2/2019

Initiation of CWF PA termination
8/13/2019



Roles & Responsibilities for Delta Conveyance

DWR Director

DCA Board of Directors

- Protects the fiduciary and integrity of the DCA
- Ensures that the DCA conforms to legal requirements, including those of the Joint Powers Act and the Brown Act
- Provides an added beneficial forum for public participation via its board and committee meetings

DCA

Under oversight of DWR, DCA:

- Conducts engineering and design work to inform the environmental review and planning process
- Identifies potential engineering and design strategies to avoid and/or minimize impacts
- Assists in conducting public outreach, public participation and stakeholder engagement activities

Direction and Oversight

Work Products

DWR

Under the authority of the California Natural Resources Agency, DWR:

- Leads the environmental review and planning effort, including CEQA and coordination with the Bureau of Reclamation
- Leads public outreach, public participation and stakeholder engagement activities
- Ensures transparency
- Responsible for managing the planning budget and planning schedule
- Reports on progress to the State Legislature and others
- Directs and oversees the work of the DCA

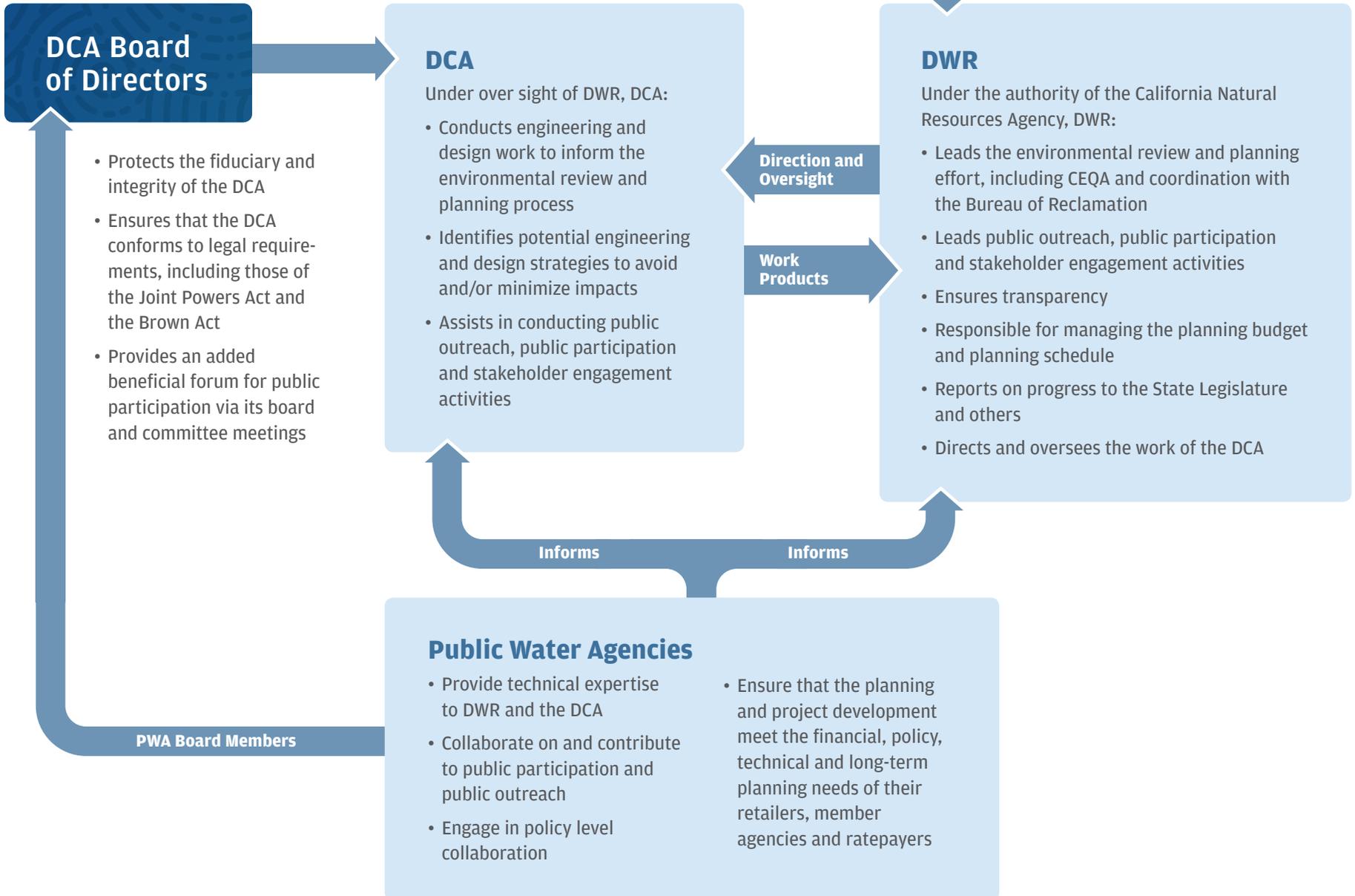
Informs

Informs

Public Water Agencies

- Provide technical expertise to DWR and the DCA
- Collaborate on and contribute to public participation and public outreach
- Engage in policy level collaboration
- Ensure that the planning and project development meet the financial, policy, technical and long-term planning needs of their retailers, member agencies and ratepayers

PWA Board Members



Work In-progress

- Stakeholder engagement initiated for proposed Delta Conveyance
- Assessment of past environmental documents to consider lessons learned
- Planning for future Soil Investigations (data collection)
- Agreement-in-Principle for Cost Allocation



Next Steps

Consistent with Governor Newsom's Executive Order, DWR is pursuing a single tunnel solution to modernize Delta conveyance

- New environmental planning process under CEQA
 - **Late-2019** – Notice of Preparation for CEQA planning and initiation of AB-52 consultation for Delta Conveyance
 - **Early 2020** – Public involvement on alternatives development
 - **2020** – Early design and engineering and preparation of Environmental documents, including EIR development.
- New environmental permitting effort once a project is defined



Future Proposed Soil Investigations

DWR is proposing to gather data to inform and evaluate alternatives for proposed Delta conveyance over an approximate 36 month period including:

- Soil borings (on-land and overwater)
- Cone Penetration Tests
- Geophysical surveys

Currently undergoing CEQA Analysis, AB-52 letters sent on August 29, 2019



Other Ways to Stay Informed

Information regarding schedule, public engagement, opportunities for public review, and other announcements and updates will be posted on the **Delta Conveyance webpage on DWR's website**:
<https://water.ca.gov/Programs/State-Water-Project/Delta-Conveyance>

Active engagement is critical to project success!

Public engagement discussion topics include:

Tunnel Routes

Economic Development

Potential Construction Impacts

Design Concepts

Integrated Solutions

Mitigation Solutions



Modernizing Delta Conveyance to Meet California's 21st Century Water Needs

Gary Lippner, Deputy Director



Discussion Topics

Delta Geography and Challenges

California Climate and Precipitation

State Water Project History & Regions Served

Stressors and Constraints on the SWP

Last 30 Years to 2018 Milestones



DWR Mission



To sustainably manage the water resources of California, in cooperation with other agencies, to benefit the State's people, and protect, restore, and enhance the natural and human environments.



State, Federal, and Local Water Projects

- 54 reservoirs and lakes
- 1,200 miles of canals and pipelines
- 16 hydro facilities



Largest publically-built and operated water supply project in the world

Bay-Delta is the hub of this infrastructure

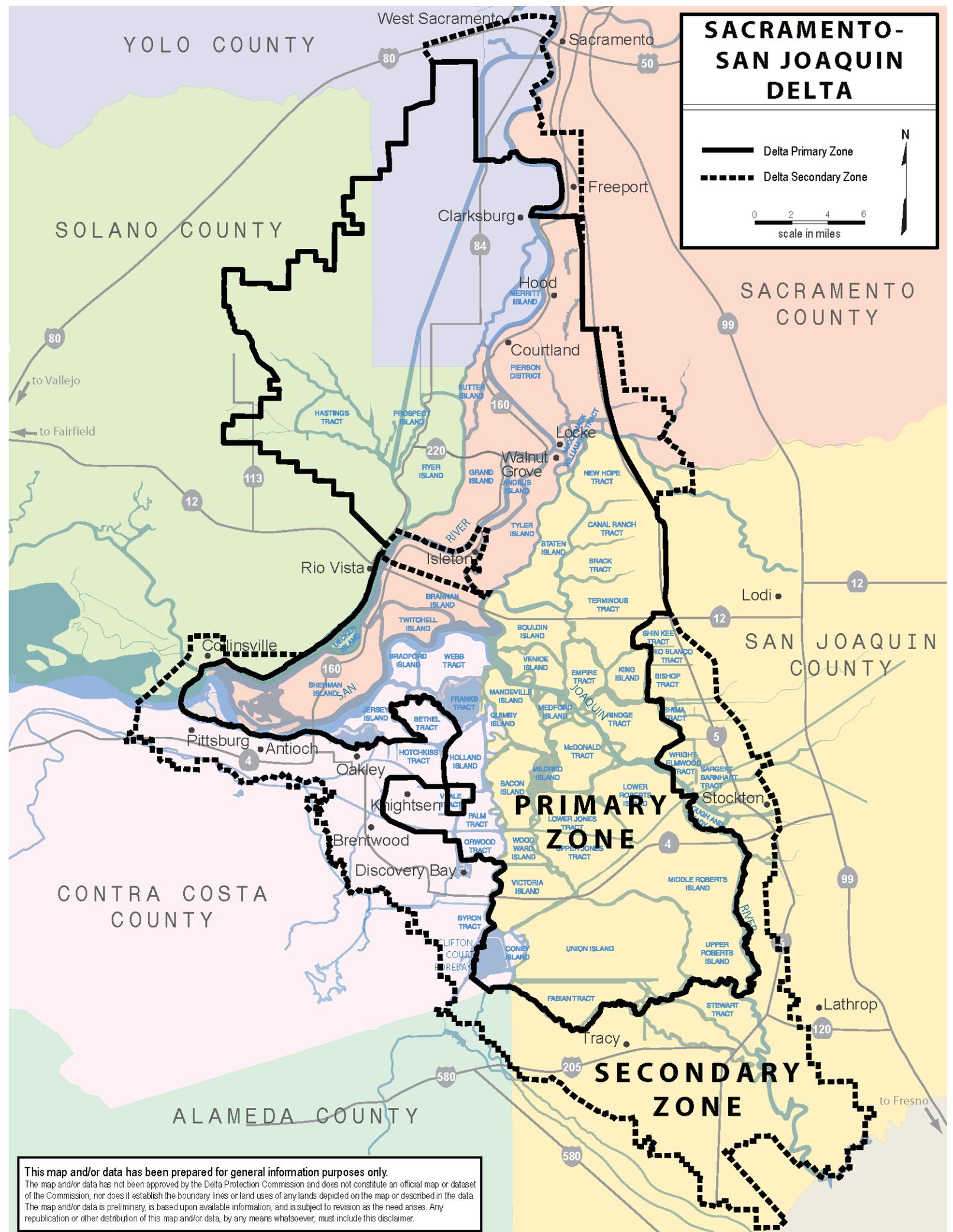


Five Delta Counties

Contra Costa
Sacramento
San Joaquin
Solano
Yolo

Key Roads

Interstate 5
State Route 160
State Route 12
State Route 4



Delta Inflows

Sacramento River

~80% Inflow; good quality

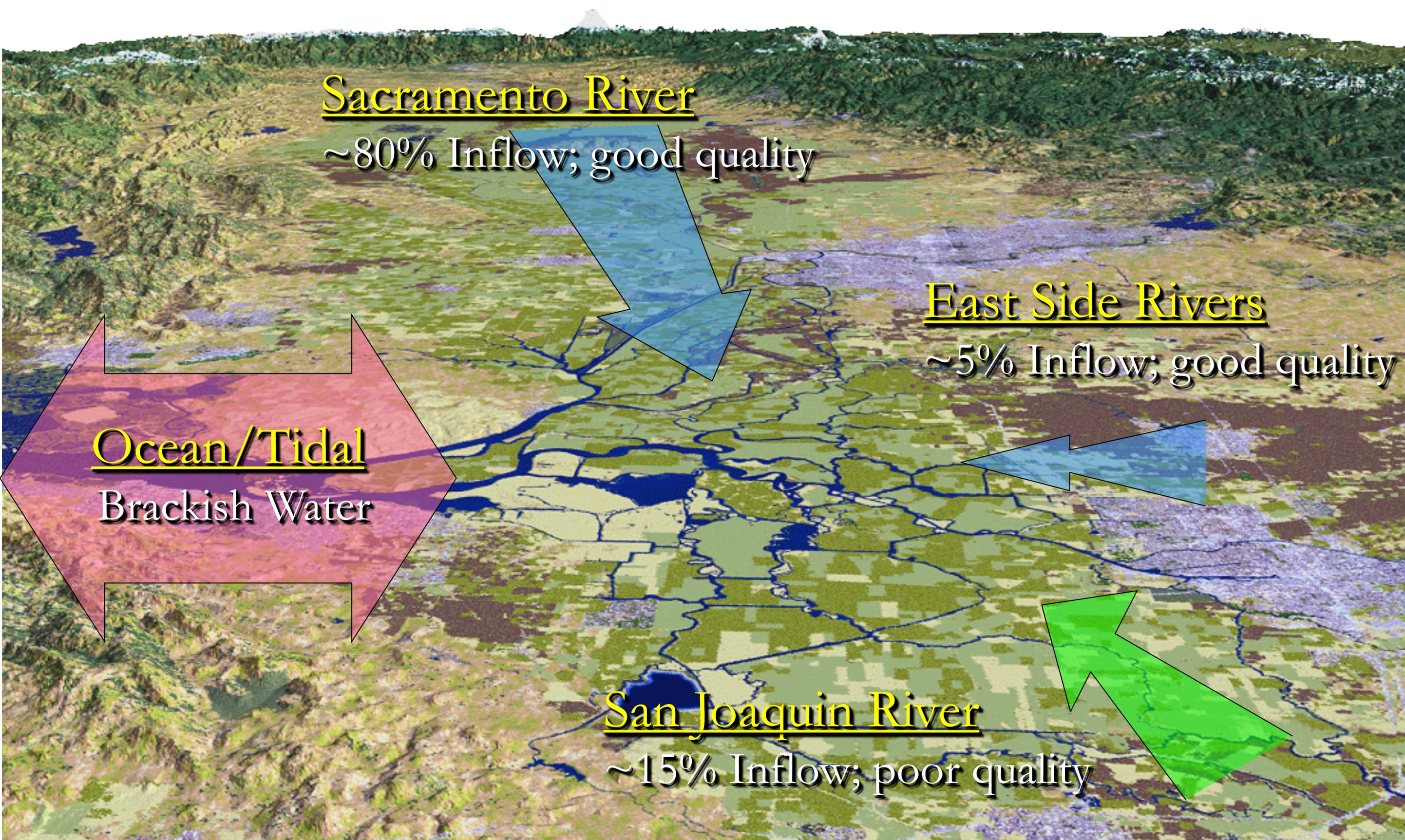
East Side Rivers

~5% Inflow; good quality

Ocean/Tidal
Brackish Water

San Joaquin River

~15% Inflow; poor quality



Delta Water Use

Sacramento

Stockton

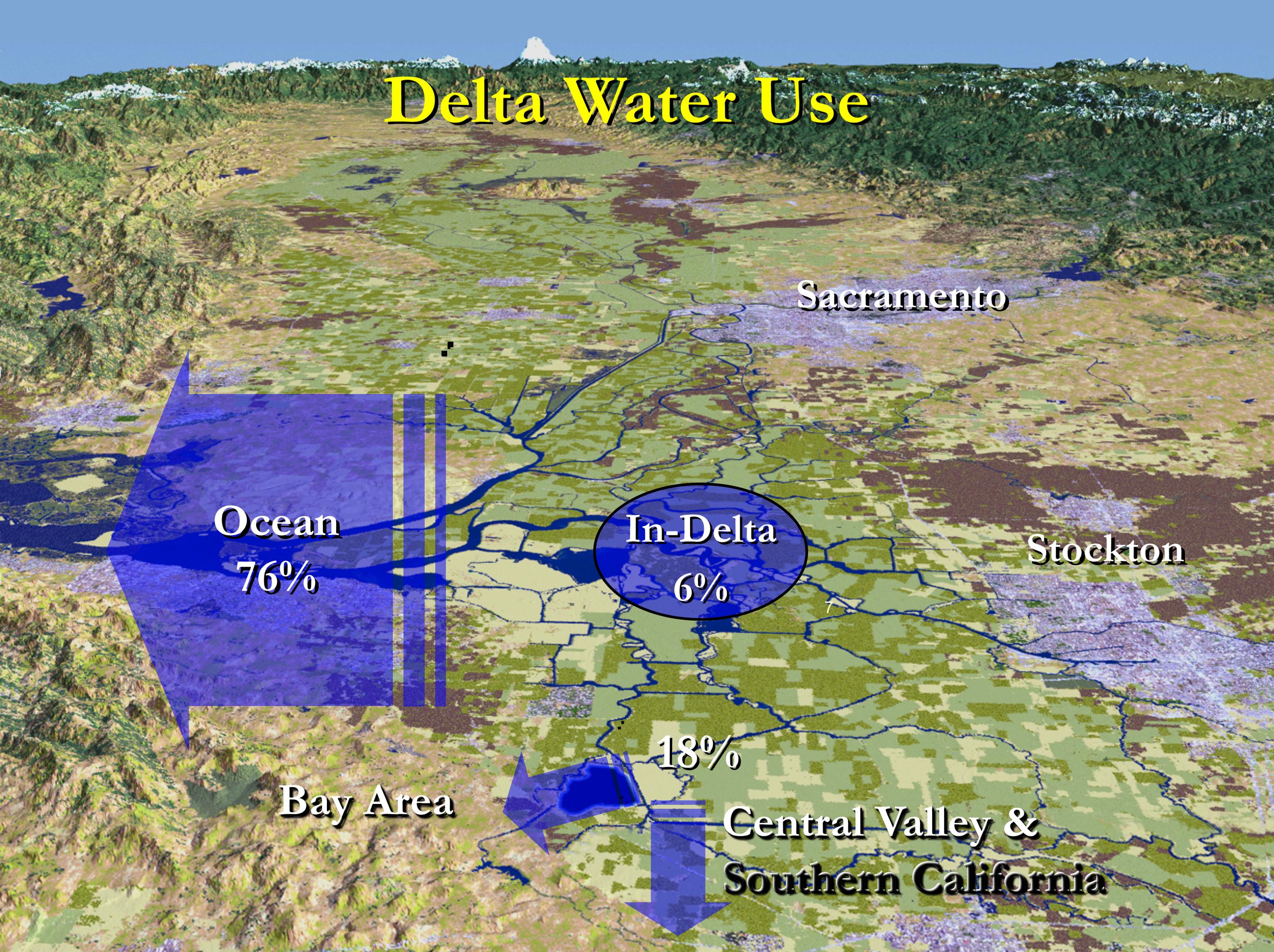
Ocean
76%

In-Delta
6%

18%

Bay Area

Central Valley &
Southern California



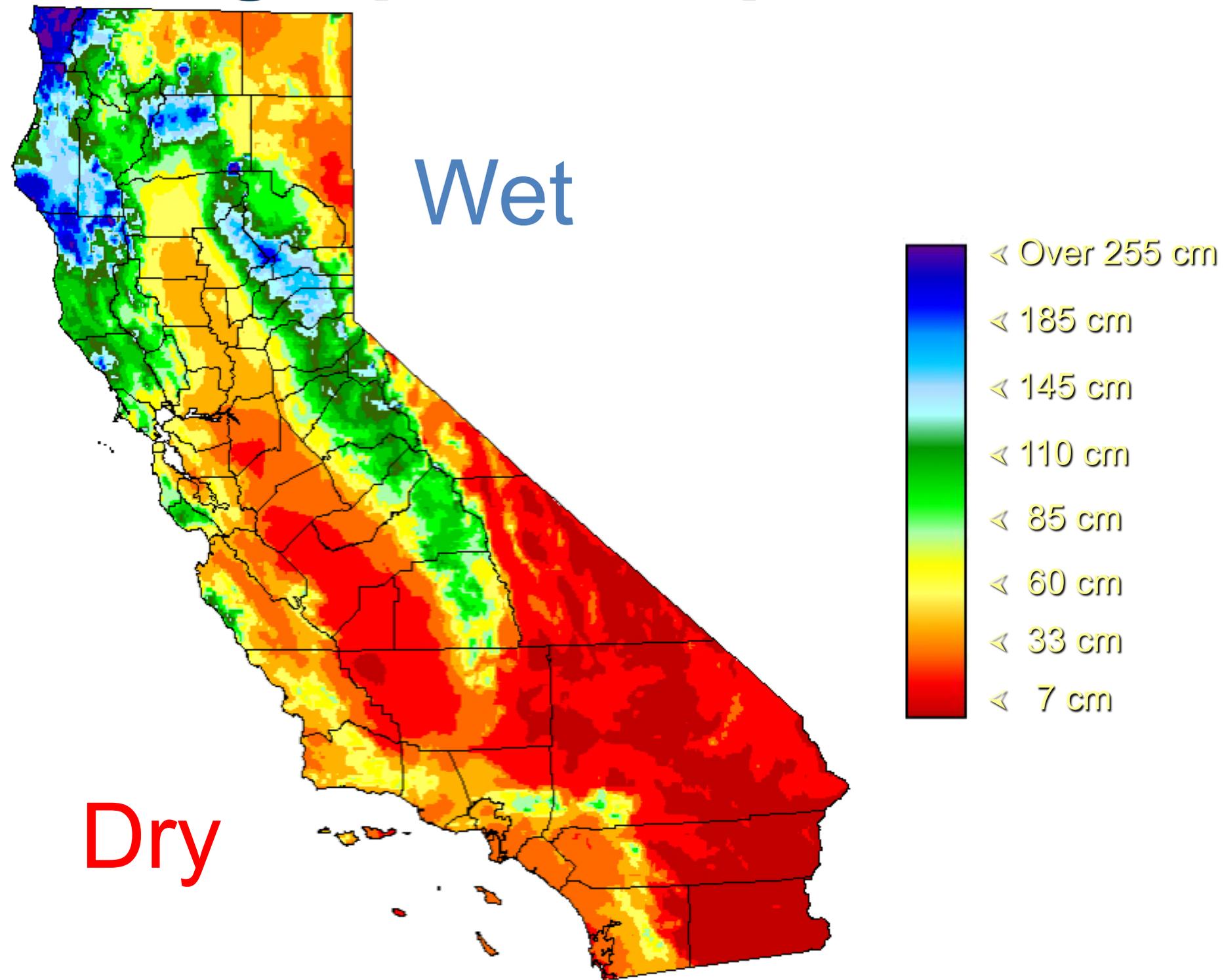
The Delta – Important for California



Part of the state's overall water management portfolio

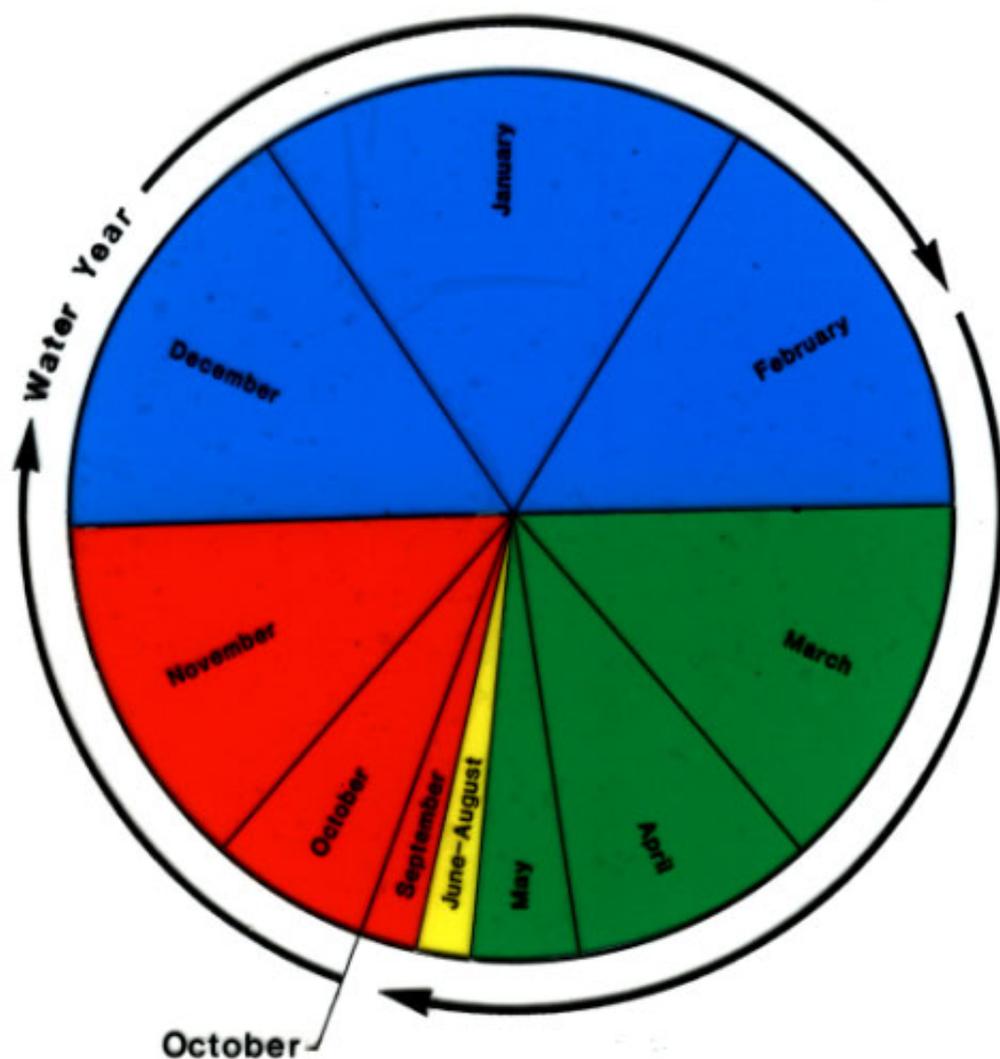


The Dilemma – Rainfall Distribution and Geographic Displacement



Temporal Displacement of Precipitation

MONTHLY PRECIPITATION DISTRIBUTION



- 50% of California's precipitation falls in just three months:
 - December
 - January
 - February
- High demand for water in summer months



In 1959 California Established State Water Project on November 1960 Ballot



Governor Edmund G. "Pat" Brown
Governor 1959-1967



Senator Hugh Burns
D- Fresno
President pro tem 1957-1969



Assembly Member Carley
Porter
D – Compton
Assembly Water Committee
Chair



SWP Serves Bay Area, Central Valley, Southern CA and Coastal CA



YEAR	NAME	SERVICE AREA
1962	South Bay Aqueduct	Alameda & Santa Clara counties
1968	San Joaquin Valley	San Joaquin Valley
1973	West Branch	Los Angeles & Ventura counties
1973	East Branch	Riverside, San Bernardino & Orange counties
1988	North Bay Aqueduct	Napa & Solano counties
1994	Coastal	San Luis Obispo & Santa Barbara counties
2018	East Branch Extension	Eastern San Bernardino County



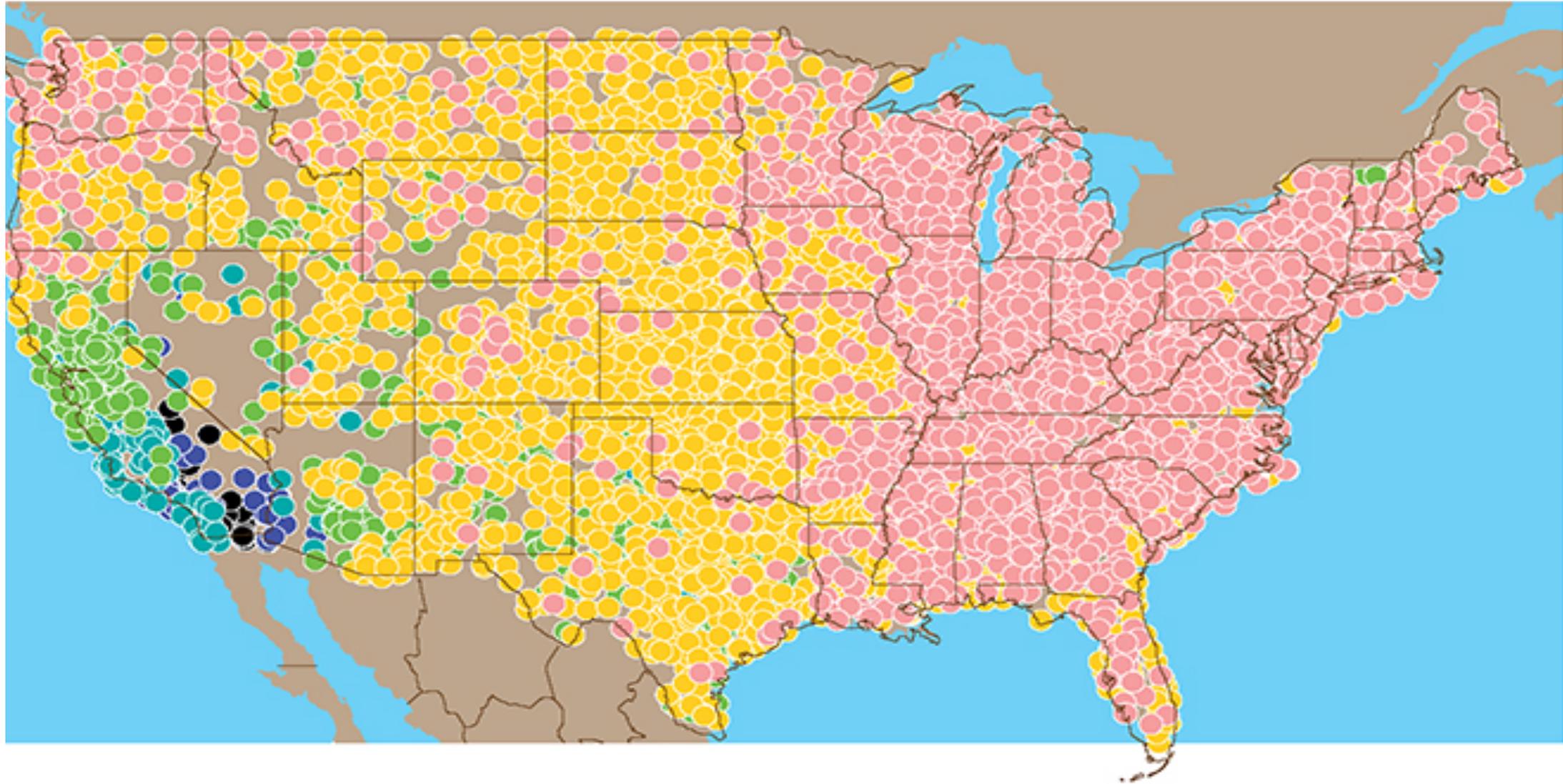
Stressors and Constraints on the SWP

Key Factors on Water Demand

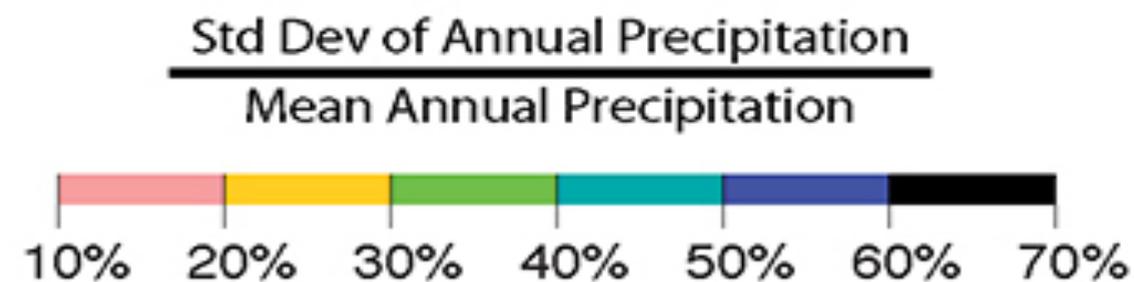
- The most populous state – 39.9 million
 - 2/3 Californians dependent on SWP
 - 27 million is more than population of 48 other states
- Largest agricultural production in the nation
- California's \$3.0 trillion economy is the 5th largest in the world



California Precipitation is Uniquely Variable



Variation of Total Precipitation, Water Years 1951-2008



Extreme Weather Events: Atmospheric Rivers

An atmospheric river (AR) is a flowing column of condensed water vapor in the atmosphere responsible for producing significant levels of rain and snow, especially in the Western United States. When ARs move inland and sweep over the mountains, the water vapor rises and cools to create heavy precipitation. Though many ARs are weak systems that simply provide beneficial rain or snow, some of the larger, more powerful ARs can create extreme rainfall and floods capable of disrupting travel, inducing mudslides and causing catastrophic damage to life and property. Visit www.research.noaa.gov to learn more.

A strong AR transports an amount of water vapor roughly equivalent to 7.5–15 times the average flow of water at the mouth of the Mississippi River.

ARs are a primary feature in the entire global water cycle and are tied closely to both water supply and flood risks, particularly in the Western U.S.

On average, about 30-50% of annual precipitation on the West Coast occurs in just a few AR events and contributes to the water supply — and flooding risk.

ARs move with the weather and are present somewhere on Earth at any given time.

ARs are approximately 250–375 miles wide on average.

Scientists' improved understanding of ARs has come from roughly a decade of scientific studies that use observations from satellites, radar and aircraft as well as the latest numerical weather models. More studies are underway, including a 2015 scientific mission that added data from instruments aboard a NOAA ship.

3/2015

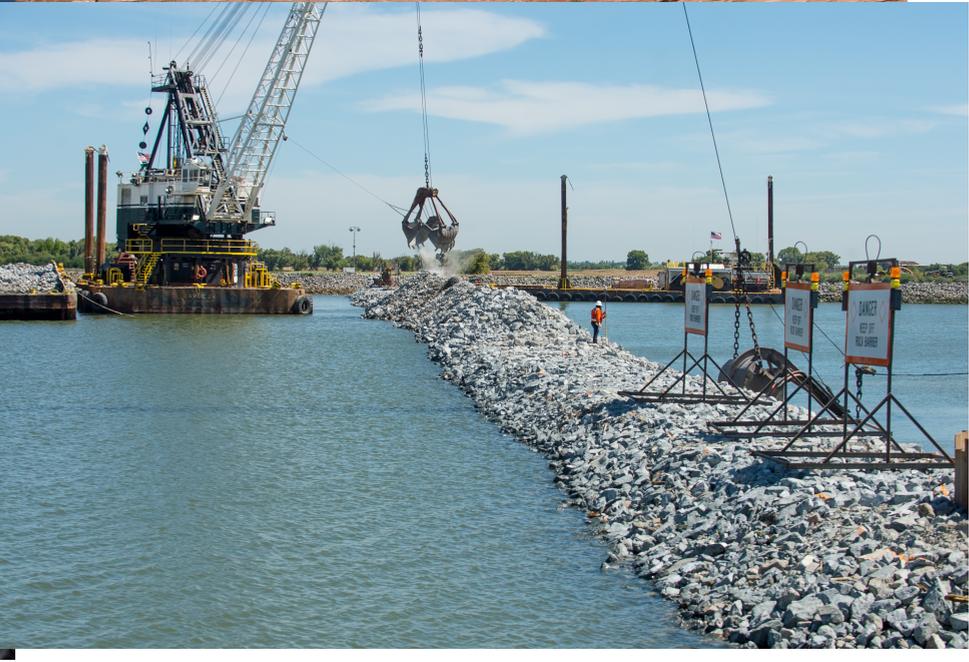
WATER
VAPOR
COOLS

CALIFORNIA

Image not to scale.



Extreme Weather Events: Drought



1929-34

1976-77

1987-92

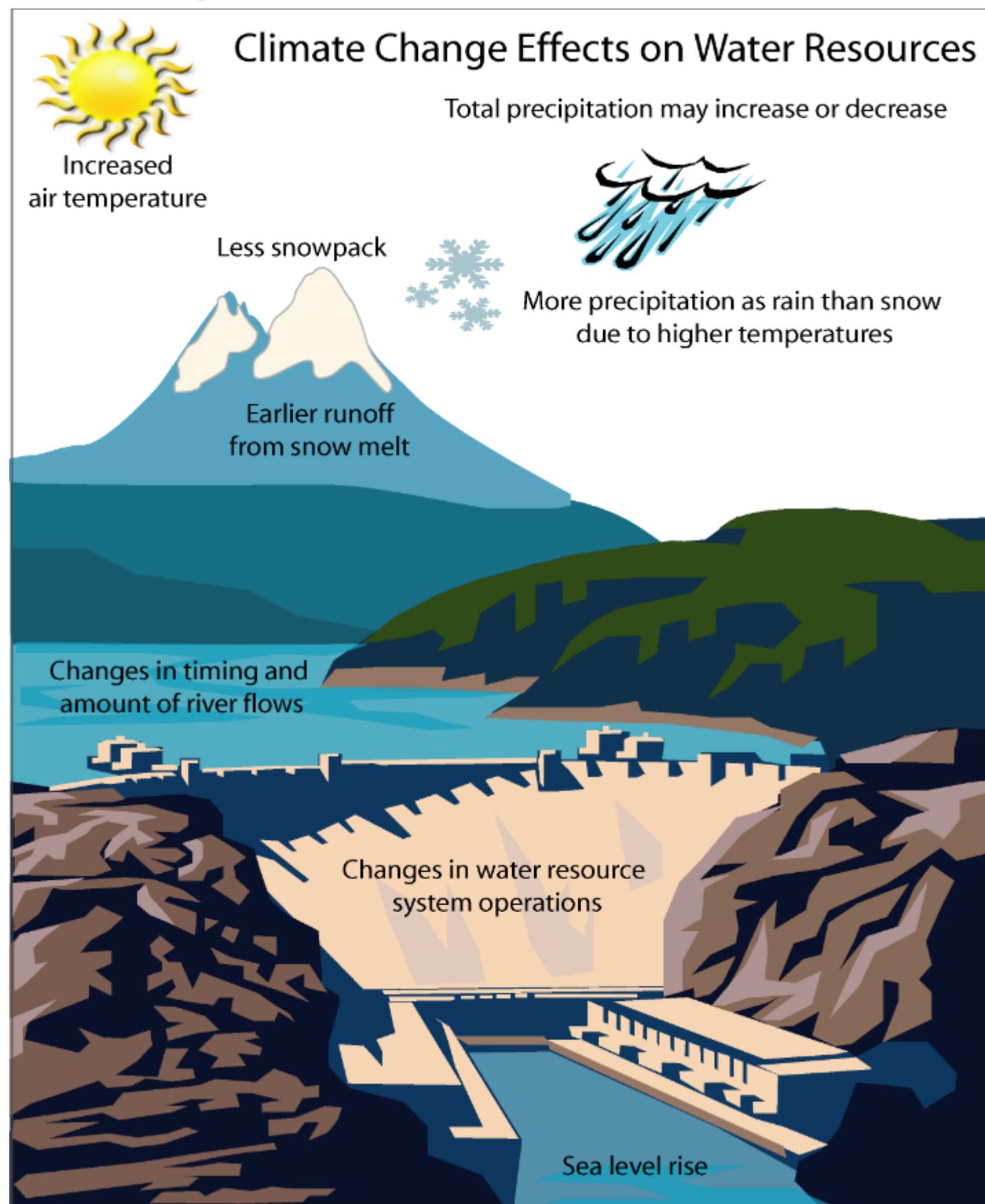
2007-09

2012-17



CALIFORNIA DEPARTMENT OF
WATER RESOURCES

Climate Change



Environmental Awareness & Regulations Grow



SWP Allocation Percentage for Last 20 Years

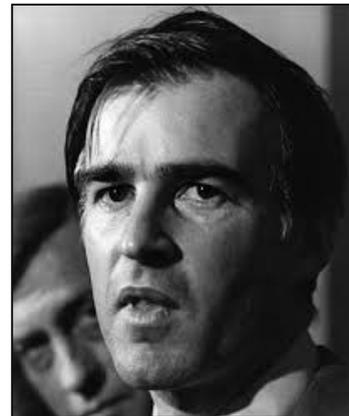
Year	AF	%	Year	AF	%
1999	3,214,259	78%	2009	1,666,550	40%
2000	3,406,083	90%	2010	2,086,000	50%
2001	1,607,570	39%	2011	3,337,701	80%
2002	2,887,014	70%	2012	2,711,967	65%
2003	3,714,233	90%	2013	1,460,342	35%
2004	2,683,729	65%	2014	210,379	5%
2005	3,713,117	90%	2015	839,566	20%
2006	4,126,831	100%	2016	2,527,629	60%
2007	2,465,529	60%	2017	3,563,951	85%
2008	1,457,284	35%	2018	1,481,685	35%



Delta Conveyance: Not a New Problem



1960s



1970s



1980s

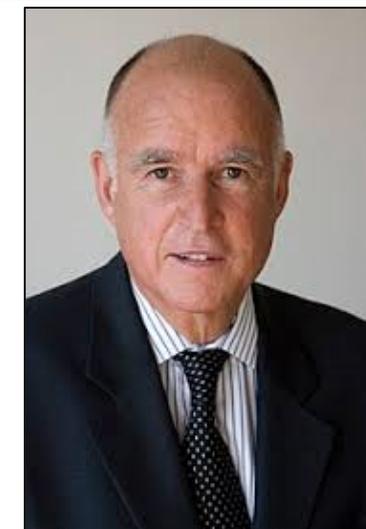
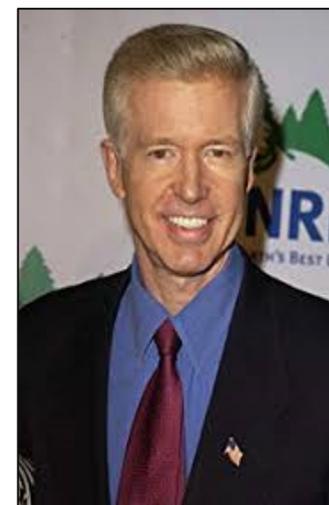


2000s



2010s

2020s



Program Over the Last Thirty Years

Cal Fed
1990's

Bay Delta
Conservation
Plan (BDCP)
2006-2015

California
WaterFix
(CWF)
2015-2019

Delta
Conveyance
2019



2018 Delta Conveyance Milestones

- DWR Formed Delta Conveyance Office
- Delta Conveyance Design & Construction Authority (DCA)
 - charged with designing and constructing previous project
 - staff from public water agencies, DWR and consultants



Entity Relationships

Provide oversight of DCA



Provide Financing



Design Support



Conceptual Tunnel Construction



- Reduces surface footprint
- Electric Tunnel Boring Machine construction
- Concrete Segmental Liner
- Lines Tunnel as Proceeds



Objective: Restore Natural East-West Flow, Benefits Delta Ecosystem & Species



Questions?



Agencies that formed DCA (DCA Board Members)

1. Metropolitan Water District
2. Santa Clara Valley Water District
3. San Bernardino Valley Municipal Water District
4. Zone 7 Water Agency
5. San Geronimo Pass Water Agency
6. Mojave Water Agency
7. Antelope Valley East Kern
8. Coachella Valley
9. Desert Water Agency
10. Santa Clarita Valley
11. Alameda County Water District

<https://www.dcdca.org>



DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791

**MAR 08 2016****Department of Water Resources
Tribal Engagement Policy**

The Department of Water Resources (DWR) is committed to fulfilling its consultation obligations to California Native American Tribes (California Tribes¹) and their sovereign authority over their members and territories. This Tribal Engagement Policy will strengthen DWR's commitment to improving communication, collaboration, and consultation with California Tribes consistent with the Tribal Consultation Policy directives in Executive Order B-10-11², the California Natural Resources Agency Tribal Consultation Policy³, and AB 52⁴.

DWR adopts the following policy principles to achieve early and meaningful tribal engagement and to strengthen and sustain collaboration with California Tribes:

- Establish meaningful dialogue between DWR and California Tribes early on in planning for CEQA projects to ensure that DWR's tribal outreach efforts are consistent with mandated tribal consultation policies, and to ensure that California Tribes know how information from consultation affected DWR's decision making process;
- Establish guidelines to share information between DWR and California Tribes, while protecting their confidential information to the fullest extent of the law;
- Consult with California Tribes to identify and protect tribal cultural resources where feasible, and to develop treatment and mitigation plans to mitigate for impacts to tribal cultural resources and cultural places;
- Develop criteria in communication plans and grant funding decisions for all applicable DWR programs that will facilitate tribal participation;
- Provide cultural competency training for DWR executives, managers, supervisors, and staff on tribal engagement and consultation practices;
- Recognize that California Tribes have distinct cultural, spiritual, environmental, economic, public health interests, and traditional ecological knowledge about California's natural resources;
- Enable California Tribes to manage and act as caretakers of tribal cultural resources.

To implement this policy, DWR's Executive Committee of the Environmental Coordination Committee will convene a work group of Division and management staff to develop the needed guidelines, procedures, and resources to implement this Tribal Engagement Policy. The work group will present its proposals to the Governance Board, essential to DWR's government-to-government tribal consultation, for approval.

A blue ink signature of Carl A. Torgersen, Chief Deputy Director.

Carl A. Torgersen
Chief Deputy Director

¹ California Tribes and "Tribal Communities" and "Tribal", include all Federally Recognized Tribes and other California Native Americans as defined in Executive Order B-10-11.

² See attached Governor Executive Order B-10-11 established September 19, 2011.

³ See attached California Natural Resources Agency Tribal Consultation Policy established November 20, 2012.

⁴ AB 52 (Gatto) added Chapter 532 (Statutes of 2014) Native American/CEQA; found at Public Resources Code section 5097.94 and in sections of 21000, et seq.

EXECUTIVE DEPARTMENT
STATE OF CALIFORNIA

Executive Order N-10-19

WHEREAS, water is a human right, and is central to California's strength and vitality; and

WHEREAS, we face a range of existing water challenges, including unsafe drinking water across the state, major flood risks that threaten public safety, severely depleted groundwater aquifers, agricultural communities coping with uncertain water supplies, and native fish populations threatened with extinction; and

WHEREAS, climate change is having a profound impact on water and other resources, making the climate warmer and more variable, which reduces mountain snowpack, intensifies drought and wildfires, and drives shorter, more intense wet seasons that worsen flooding; and

WHEREAS, California continues to grow, with our population projected to grow to 50 million over the next several decades and our economic activities expanding as the world's fifth largest economy; and

WHEREAS, the future prosperity of our communities and the health of our environment depend on tackling pressing current water challenges while positioning California to meet broad water needs through the 21st century; and

WHEREAS, many state programs, policies and investments are being implemented, such as the Sustainable Groundwater Management Act and new urban water efficiency standards, that can be built upon to meet these evolving challenges; and

WHEREAS, providing clean, dependable water supplies to communities, agriculture, and industry while restoring and maintaining the health of our watersheds is both necessary and possible; and

WHEREAS, achieving this goal requires a broad portfolio of collaborative strategies between government, sovereign tribes, local communities, water agencies, irrigation districts, environmental conservationists, academia, business and labor leaders, and other stakeholders.

NOW, THEREFORE, I, GAVIN NEWSOM, Governor of the State of California, by virtue of the power and authority vested in me by the Constitution and the statutes of the State of California, do hereby issue this Order to become effectively immediately.

IT IS HEREBY ORDERED THAT:

1. The California Natural Resources Agency, the California Environmental Protection Agency, the California Department of Food and Agriculture, in consultation with the Department of Finance, shall together prepare a water resilience portfolio that meets the needs of California's communities, economy, and environment through the 21st century.

These agencies will reassess priorities contained within the 2016 California Water Action Plan, update projected climate change impacts to our water systems, identify key priorities for the administration's water portfolio moving forward, and identify how to improve integration across state agencies to implement these priorities.

2. These agencies shall first inventory and assess:
 - a. Existing demand for water on a statewide and regional basis and available water supply to address this demand.
 - b. Existing water quality of our aquifers, rivers, lakes and beaches.
 - c. Projected water needs in coming decades for communities, economy and environment.
 - d. Anticipated impacts of climate change to our water systems, including growing drought and flood risks, and other challenges to water supply reliability.
 - e. Work underway to complete voluntary agreements for the Sacramento and San Joaquin river systems regarding flows and habitat.
 - f. Current planning to modernize conveyance through the Bay Delta with a new single tunnel project.
 - g. Expansion of the state's drinking water program to ensure all communities have access to clean, safe and affordable drinking water.
 - h. Existing water policies, programs, and investments within state government.

3. This water resilience portfolio established by these agencies shall embody the following principles:
 - a. Prioritize multi-benefit approaches that meet multiple needs at once.
 - b. Utilize natural infrastructure such as forests and floodplains.
 - c. Embrace innovation and new technologies.
 - d. Encourage regional approaches among water users sharing watersheds.
 - e. Incorporate successful approaches from other parts of the world.
 - f. Integrate investments, policies and programs across state government.
 - g. Strengthen partnerships with local, federal and tribal governments, water agencies and irrigation districts, and other stakeholders.

4. These agencies shall conduct extensive outreach to inform this process, including to other state agencies, sovereign tribes, federal and local government, local water agencies, agricultural groups, environmental justice and environmental conservation organizations, local and statewide business leaders, academic experts and other stakeholders.

IT IS FURTHER ORDERED that as soon as hereafter possible, this Order shall be filed with the Office of the Secretary of State and that widespread publicity and notice shall be given to this Order.

This Order is not intended to, and does not, create any rights or benefits, substantive or procedural, enforceable at law or in equity, against the State of California, its departments, agencies, or other entities, its officers or employees, or any other person.

IN WITNESS WHEREOF I have hereunto set my hand and caused the Great Seal of the State of California to be affixed this 29th day of April 2019.

A handwritten signature in black ink, appearing to read "Gavin Newsom", is written over a horizontal line. The signature is stylized and cursive.

GAVIN NEWSOM
Governor of California

ATTEST:

A handwritten signature in black ink, appearing to read "Alex Padilla", is written over a horizontal line. The signature is cursive and stylized.

ALEX PADILLA
Secretary of State



DELTA CONVEYANCE

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Date: _____

Affiliation: _____

Address: _____

Phone: _____ Email: _____

Comment:



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