

Quarterly Meeting of the Tribal Advisory Group

Sustainable Groundwater Management Program

California Department of Water Resources

May 5, 2022



NATIONAL DAY OF AWARENESS FOR
**MISSING AND MURDERED
INDIGENOUS WOMEN**

MAY 5, 2019

Indigenous women across the nation have experienced violence and sexual exploitation at a significantly higher rate than the national average. It is up to all of us to raise our voices to end this epidemic.

On this day, we honor the mothers, daughters, and sisters who have gone missing, or have been murdered.

Gone but not forgotten.

#MMIW #REDRESS
#GONEBUTNOTFORGOTTEN



Agenda

TIME	ITEM	PRESENTERS
1:00 – 1:15	Welcome & Introductions Introductions and Opening Remarks Meeting Goals, Commitment, and Desired Outcomes	Anecita Agustinez , Tribal Policy Advisor Bo Mazzetti , Chairman Rincon Band of Luiseno Indians Paul Gosselin , Deputy Director, SGM Office (SGMO)
1:15 – 1:30	SGMP Updates, including California's Groundwater (Bulletin 118), Public Comments on GSPs, and Prop 68 Technical Assistance Program <i>See Att.1 for more information</i>	Brett Wyckoff , Tech. Assist. Senior Eng. Geologist, DWR SGM Office Paul Gosselin
1:30 – 2:00	Tribal Updates and Participation in GSAs and GSP Development	Facilitated by John Covington , Water Department Manager, Morongo Band of Mission Indians
2:00 – 2:10	Small Community Drought Relief Program <i>See Att.2 for more information</i>	Kevin Faulkenberry , Manager, DWR South Central Region Office
2:10 – 2:20	California Water Plant Update 2023 <i>See Att.3 for more information</i>	Paul Massera , Branch Manager, DWR Division of Strategic Planning
2:20 – 2:30	Update on Harmful Algae Blooms <i>See Att. 4 for more information</i>	Rosemary Hartman , DWR Division of Integrated Science & Engineering
2:30 – 3:00	Hosted Meetings, Open Discussion, Adjournment	Facilitated by Anecita Agustinez



Welcome & Introductions

- Introductions and Opening Remarks
- Meeting Goals, Commitment, and Desired Outcomes

Facilitated By:

Anecita Agustinez, DWR Tribal Policy Advisor

Bo Mazzetti, Chairman Rincon Band of Luiseno Indians

Paul Gosselin, DWR Deputy Director



SGMP Updates

See Att.1 for more information and resources

- California's Groundwater (Bulletin 118)
- Program Overview and Public Comments on GSPs
- Proposition 68 Technical Assistance Program Survey

Facilitated By:

Paul Gosselin, DWR Deputy Director

Brett Wyckoff, Technical Assistance Senior Engineering Geologist, DWR SGM Office



California's Groundwater (Bulletin 118)

California's Groundwater (Bulletin 118) is the State's official publication on the occurrence and nature of groundwater in California. The publication defines the groundwater basin boundaries and summarizes groundwater information for each of the State's 10 hydrologic regions.

California's Groundwater features current knowledge of groundwater resources including information on the location, characteristics, use, management status, and conditions of the State's groundwater. The publication also presents findings and recommendations that support the future management and protection of groundwater.

With the passage of the Sustainable Groundwater Management Act in 2014, *California's Groundwater* now serves an additional role by providing important information on groundwater basins including Critical Conditions of Overdraft, Basin Boundaries, and Basin Priority. This information can help local communities, community-based organizations, local water managers, and public officials work together to create solutions for the long-term reliability of groundwater.

DWR has also developed *California's Groundwater Live*, linked below, to improve the access and timeliness of groundwater data submitted by local agencies. *California's Groundwater Live* is a web-based dashboard that utilizes many of the same data sets from the *California's Groundwater Update 2020* document and the California Natural Resources Agency Open Data Platform to improve the access and timeliness of groundwater data submitted by local agencies.

The next update to *California's Groundwater* will be published in 2025.

Current | History | Statewide Reports | Regional Reports | Basin Descriptions | Basin Boundary GIS Data

California's Groundwater Update 2020 Resources

Featured Document



[California's Groundwater \(Bulletin 118\) Update 2020](#)

Featured App



[California's Groundwater Live](#)

[California's Groundwater \(Bulletin 118\)](#)

[Critically Overdrafted Basins](#)

Contact Information

Northern Region

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Red Bluff, CA 96080
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Roy.Hull@water.ca.gov

North Central Region

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South Central Region

Mike McKenzie
Senior Engineering Geologist
3374 East Shields Avenue
Fresno, CA 93726
559-230-3308
Charles.McKenzie@water.ca.gov

Southern Region

Charles McKenzie
Senior Engineering Geologist
7700 Belmont Street
Glendale, CA 91203
818-549-2341

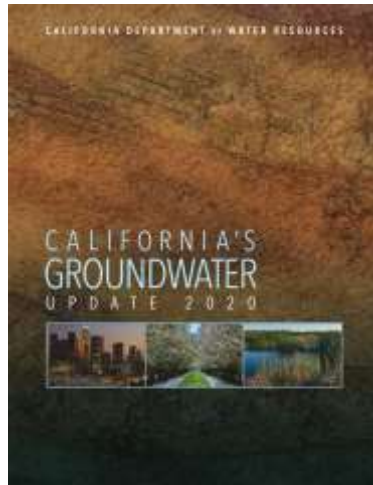
California's Groundwater (CalGW) Update 2020

California's Groundwater (CalGW) Update 2020 Highlights & Statewide Report (Released Last Fall)



Highlights (*English and Spanish*)

- Summary of Statewide Report
- Key Findings & Recommendations



Statewide Report (*English*)

1. Introduction
2. Groundwater: Occurrence, Economic Value, and Climate Change
3. Groundwater: Use, Extraction, and Water Budgets
4. Groundwater Management
5. Groundwater Monitoring
6. Groundwater Conditions
7. Regional Groundwater at a Glance

Other Resources Associated With CalGW

CalGW Web Site - The source for all things CalGW (<https://water.ca.gov/CalGW>)

- Download CalGW Highlights, Statewide Report, and associated Appendices
- Link to CNRA Open Data and all data sets used in creating CalGW Update 2020
- Other CalGW related reports and information

CalGW Live - A user-friendly interactive website that allows users to explore, analyze, and visualize the latest groundwater data and information for California.

- Groundwater Levels and Trends
- Well Infrastructure
- Subsidence
- Data Updated on Near Real-Time Basis
- Video Tutorials Available for New Users



What's Next for CalGW in 2022?

- DWR developing initial vision for CalGW Update 2025
- Discussion of vision with interested agencies and groups, including the TAG; solicit feedback
- Feedback used to refine and finalize vision for Update 2025
- Vision used to inform the development of scope and schedule for production of Update 2025 content

How Can the TAG Provide Input to CalGW Development?

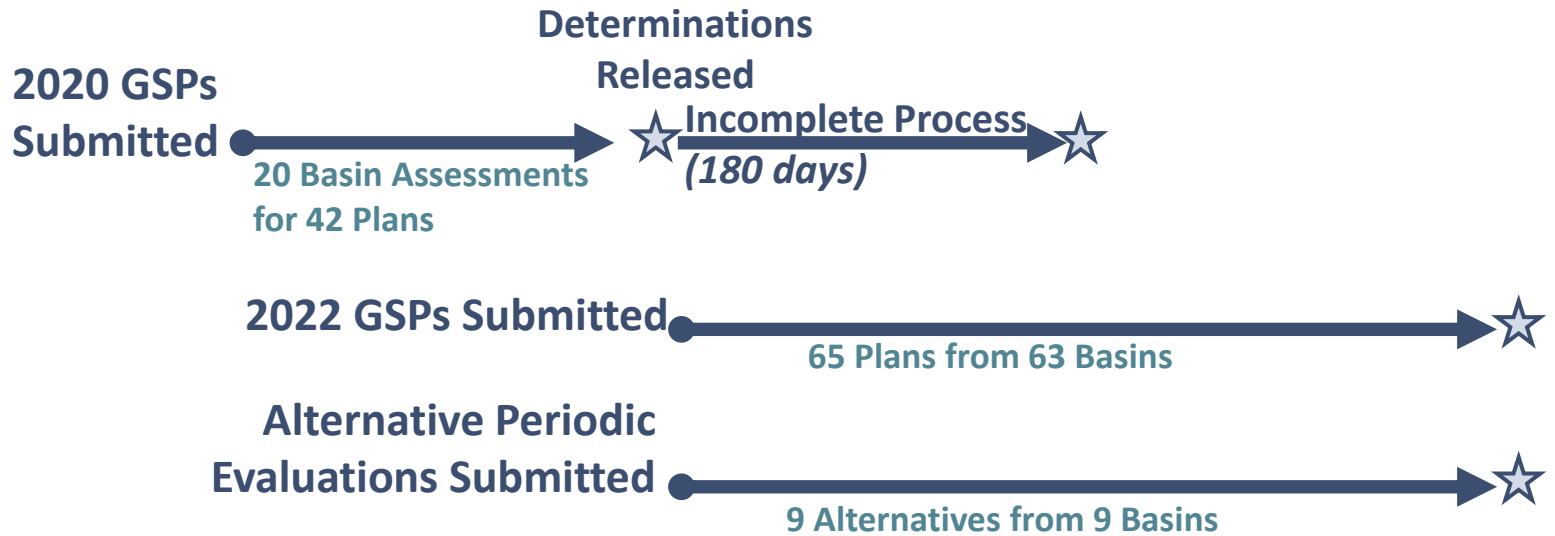
- DWR will roll-out its vision for CalGW Update 2025 at a future TAG meeting. We will be seeking feedback.
- To prepare for the meeting, become familiar with CalGW Update 2020 and consider these questions:
 - Are improvements or modifications needed to the existing CalGW Resources?
 - Are there subjects that you think should be covered in CalGW content that have not been so far?
- Consider providing this information through the CalGW e-mail address and attending our discussion with TAG later this year
- Outreach to interested agencies and groups will continue at various steps in the CalGW Update 2025 development process. **Feedback is welcome anytime**
(CalGW@water.ca.gov)



Program Overview and Public Comments on GSPs

2022 Plan and Alternative Periodic Evaluation Submittals

January 2020 January 2022 July 2022 January 2024



Continuous: Local Implementation Efforts & Annual Reports
State Technical, Planning, and Financial Assistance

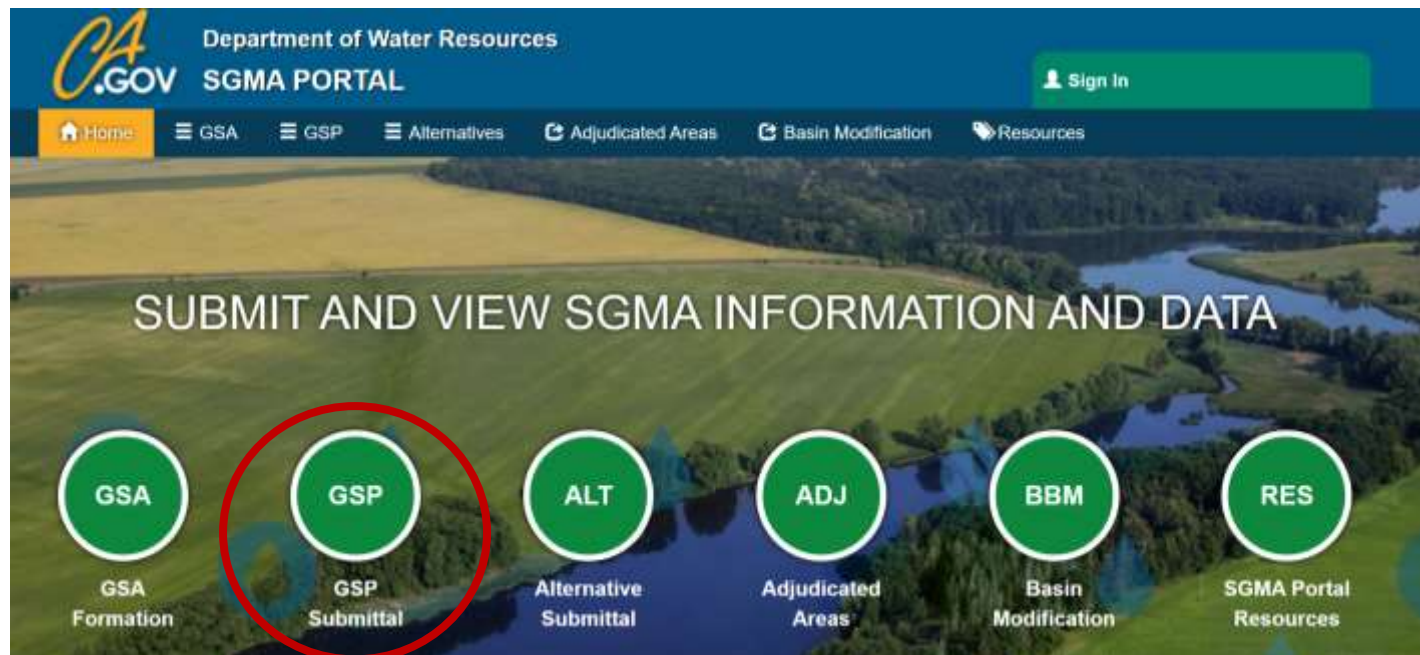



Priority:

- High
- Medium
- Low
- Very-Low

How to Provide Public Comments on Plans Submitted to the State

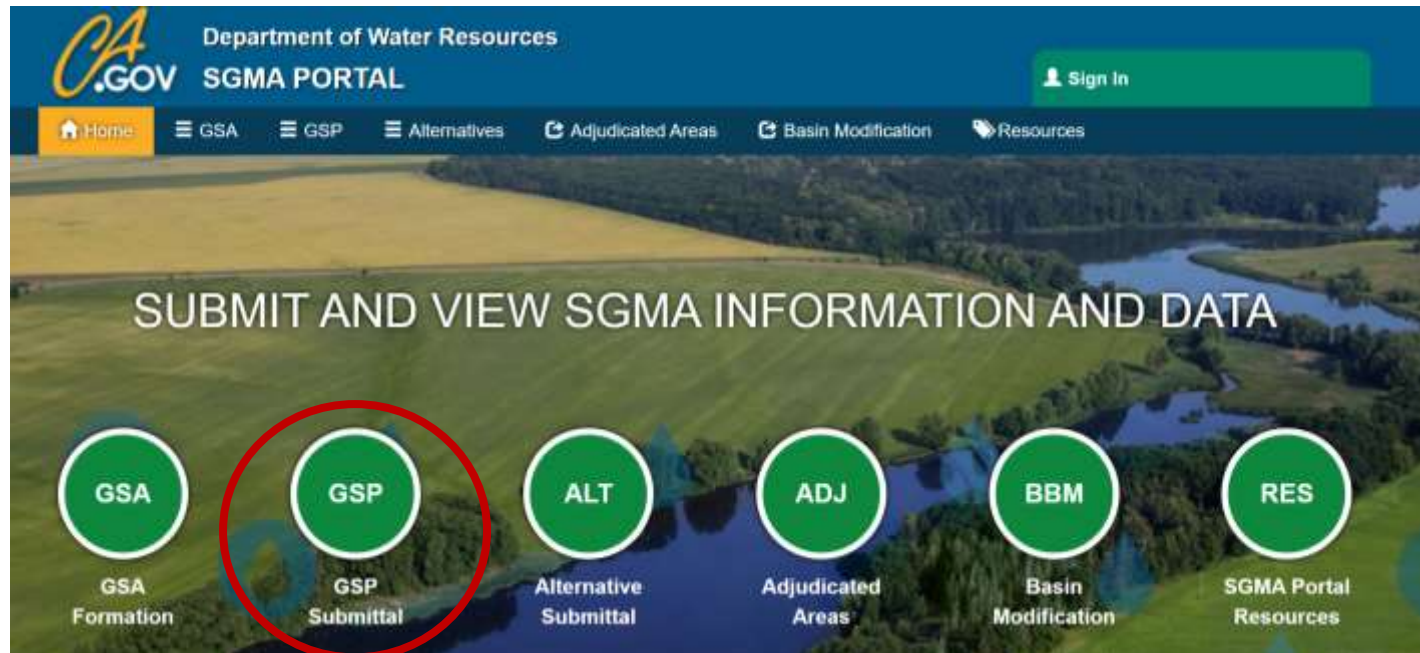
- GSPs for High and Medium Priority Basins due January 31, 2022 have been submitted
- Periodic Evaluations for Alternatives due January 1, 2022 have been submitted
- DWR had 20 days to review Plans and Alternatives for completeness
- Plans are posted to the SGMA Portal, under GSP Submittal




- Select:  Public Comments
- Submit questions: GSPSubmittal@water.ca.gov
- Additional information available on the SGMA Portal: <https://sgma.water.ca.gov/portal>

How to Provide Public Comments on 'Incomplete' Plans Re-Submitted to the State

- GSPs with 'Incomplete' determinations have 180 days to address deficiencies
- Deadlines for 180-day re-submittals are July 21, 2022 and July 27, 2022
- DWR has 20 days to review Plans for completeness, then post on SGMA Portal
- A new 60-day public comment period will then start for each GSP once posted online



- Select:  Public Comments
- Submit questions: GSPSubmittal@water.ca.gov
- Additional information available in a fact sheet in both [English](#) and [Spanish](#)

Drinking Water Well Guidance

- Of the plans DWR has issued determinations, drinking water well impacts were identified as a critical deficiency
- DWR is currently working on Drinking Water Well Guidance for local groundwater sustainability agencies to consider as they move forward
- Guidance will be available Summer 2022
- To receive notification of dry wells in specific counties from DWR's MyDryWell State Reporting System, email: SGMPS@water.ca.gov



SGMA Basin Points of Contact (POCs)

- Groundwater Basin Points of Contact links:

Northern Region

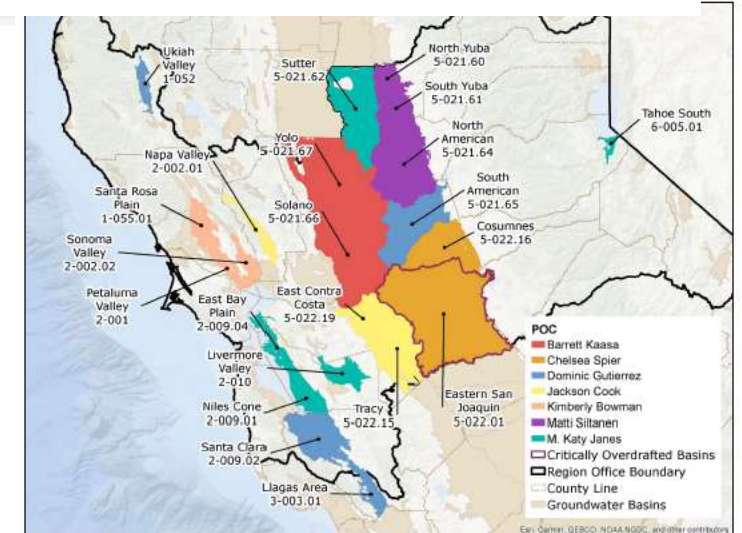
North Central Region

South Central Region

Southern Region

- Maps with POC contact information will be emailed to attendees after the presentation for reference

- Send regional inquiries to: sgmp_rc@water.ca.gov



This map illustrates the Point of Contact (POC) for each listed groundwater basin. DWR has POCs for your use when contacting DWR with questions related to SGMA. If a groundwater basin of interest is not listed on the map or table below, and you have questions, please email SGMP_RC@water.ca.gov. POCs will get back to you during regular business hours as soon as possible. This map is current as of December 2021 and subject to change.



POC	Email	Phone	Basin(s)
Barrett Kaasa	Barrett.Kaasa@water.ca.gov	916-376-9618	Sacramento Valley - [Solano (5-021.66), Yolo (5-021.67)]
Chelsea Spier	Chelsea.Spier@water.ca.gov	916-376-9656	San Joaquin Valley - [Eastern San Joaquin (5-022.01), Cosumnes (5-022.16)]
Dominic Gutierrez	Dominic.Gutierrez@water.ca.gov	916-376-9626	Ukiah Valley (1-052), Santa Clara Valley - Santa Clara (2-009.02), Gilroy-Hollister Valley - Llagas Area (3-003.01), Sacramento Valley - South American (5-021.65)
Jackson Cook	Jackson.Cook@water.ca.gov	916-376-9623	Napa-Sonoma Valley - Napa Valley (2-002.01), San Joaquin Valley - [Tracy (5-022.13), East Contra Costa (5-022.19)]
Kimberly Bowman	Kimberly.Bowman@water.ca.gov	916-376-9622	Petaluma Valley (2-001), Napa-Sonoma Valley - Sonoma Valley (2-002.02), Santa Rosa Valley - Santa Rosa Plain (1-055.01)
M. Katy Janes	Margaret.Janes@water.ca.gov	916-376-9607	Livermore Valley (2-010), Santa Clara Valley - [East Bay Plain (2-009.04), Niles Cone (2-009.01)], Tahoe Valley - Tahoe South (6-005.01), Sacramento Valley - Sutter (5-021.62)
Matti Siltanen	Mattipohto.Siltanen@water.ca.gov	916-376-9631	Sacramento Valley - [North Yuba (5-021.60), South Yuba (5-021.61), North American (5-021.64)]



SGM Grant Program Prop 68 TA Program Survey

Technical Assistance (TA) Program Introduction & Survey

- SGM Grant Program has started engaging with Tribes to introduce TA Program
 - Planning to hold Tribal-specific listening sessions and
 - Present more information at IRWM Roundtable of Regions meeting (5/11, 1:30p.m.), July EPA Region 9 RTOC meeting (TBD), and August SGMA TAG
- *See Proposition 68 TA Program flyer in Attachment 1*
 - Please take the Water Needs Assessment Survey linked in the flyer
- Program Website: <https://water.ca.gov/Work-With-Us/Grants-And-Loans/Sustainable-Groundwater/Underrepresented-Communities-Grants>
- Send inquiries to: SGM_TA@water.ca.gov

Tribal Updates

- Introductions
- Updates on Participation in GSA and GSP Development

Facilitated By:

John Covington, Water Department Manager, Morongo Band of Mission Indians



Small Community Drought Relief Program

See Attachment 2 for more information

Facilitated By:
Kevin Faulkenberry, Manager, DWR South Central Region Office



CA Water Plan Update 2023

See Attachment 3 for more information

Facilitated By:

Paul Massera, Branch Manager, DWR Division of Strategic Planning

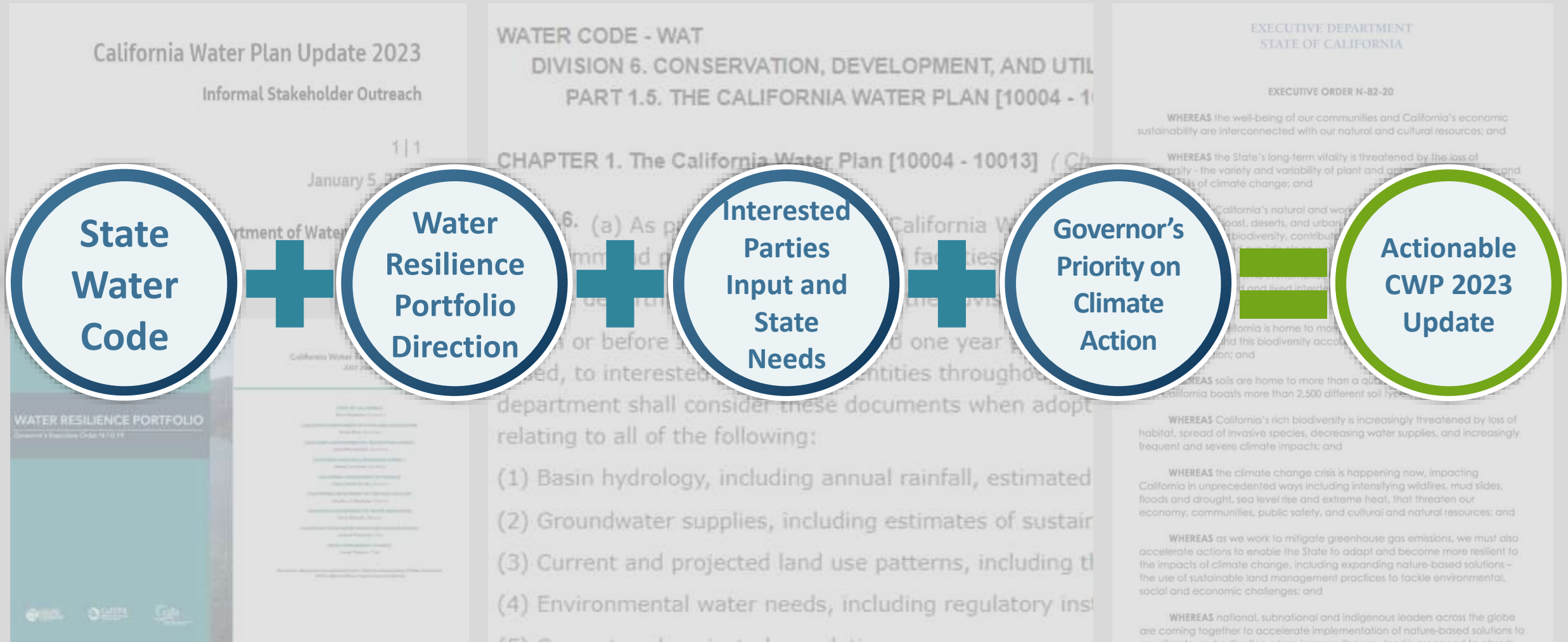


California Water Plan 2023

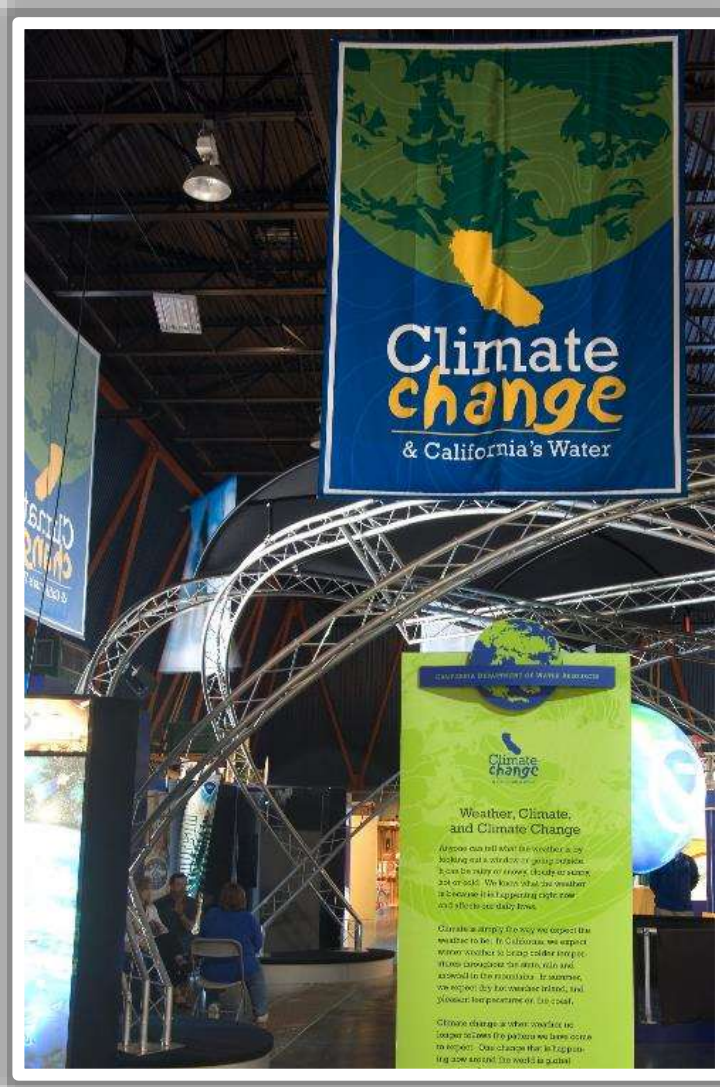
SGMA Tribal Advisory Committee Meeting
May 5, 2022



Context For Update 2023



Incorporating Water Resilience Portfolio Priorities



Water Supply, Quality, and Equity



Environmental Stewardship



Climate-Smart Agriculture



Disaster Preparedness and Response



California Water Plan Update 2023

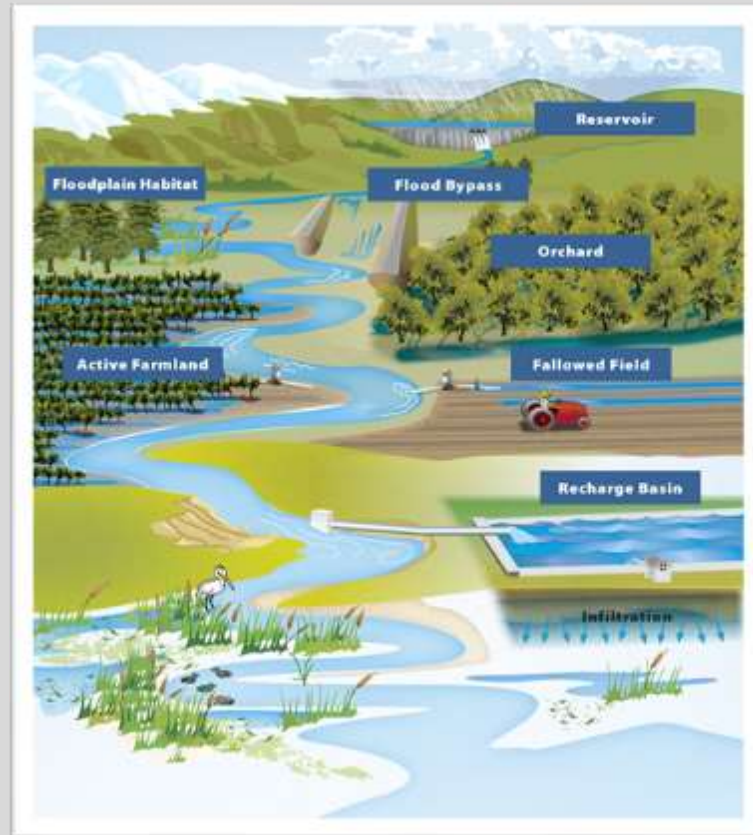
Advancing Themes of the Water Resilience Portfolio

Through State Agency Alignment AND Enhanced Watershed-scale Networks

Climate Change Science



Watershed Resilience

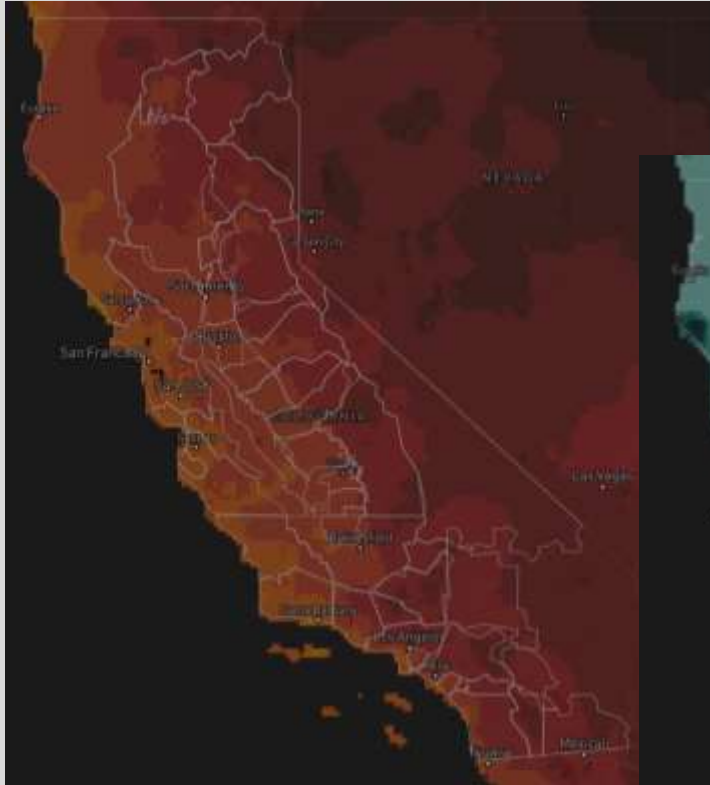


Equity in Water Management



Improving Understanding of Climate Vulnerabilities

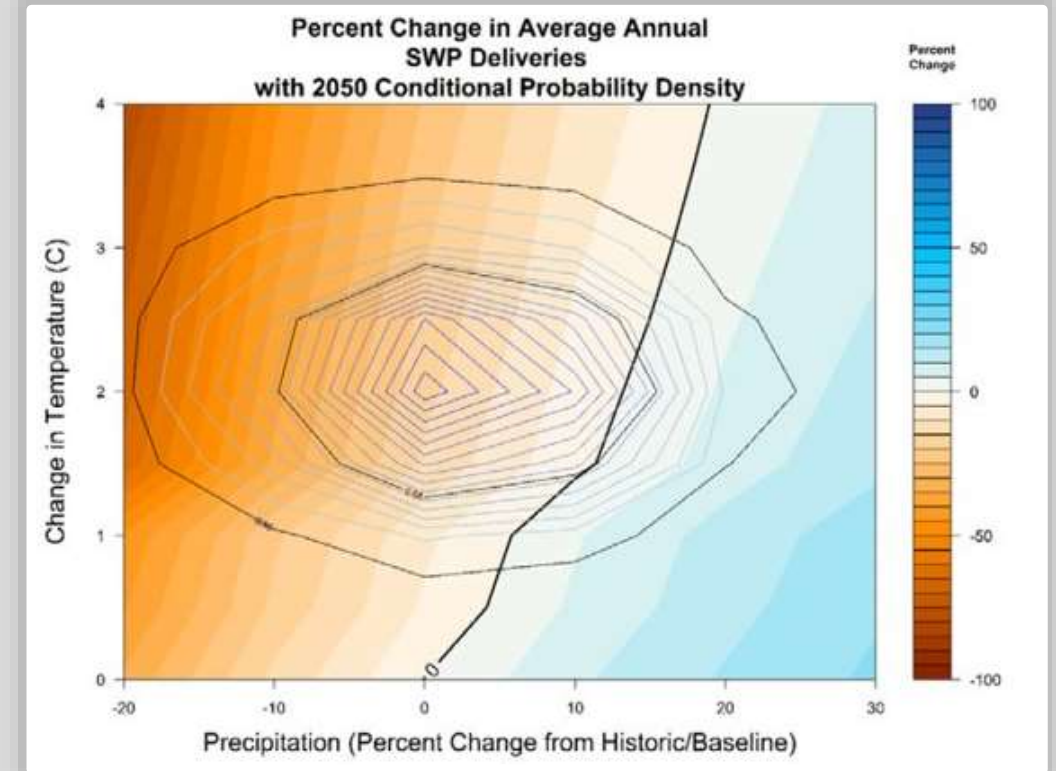
Warming is Accelerating



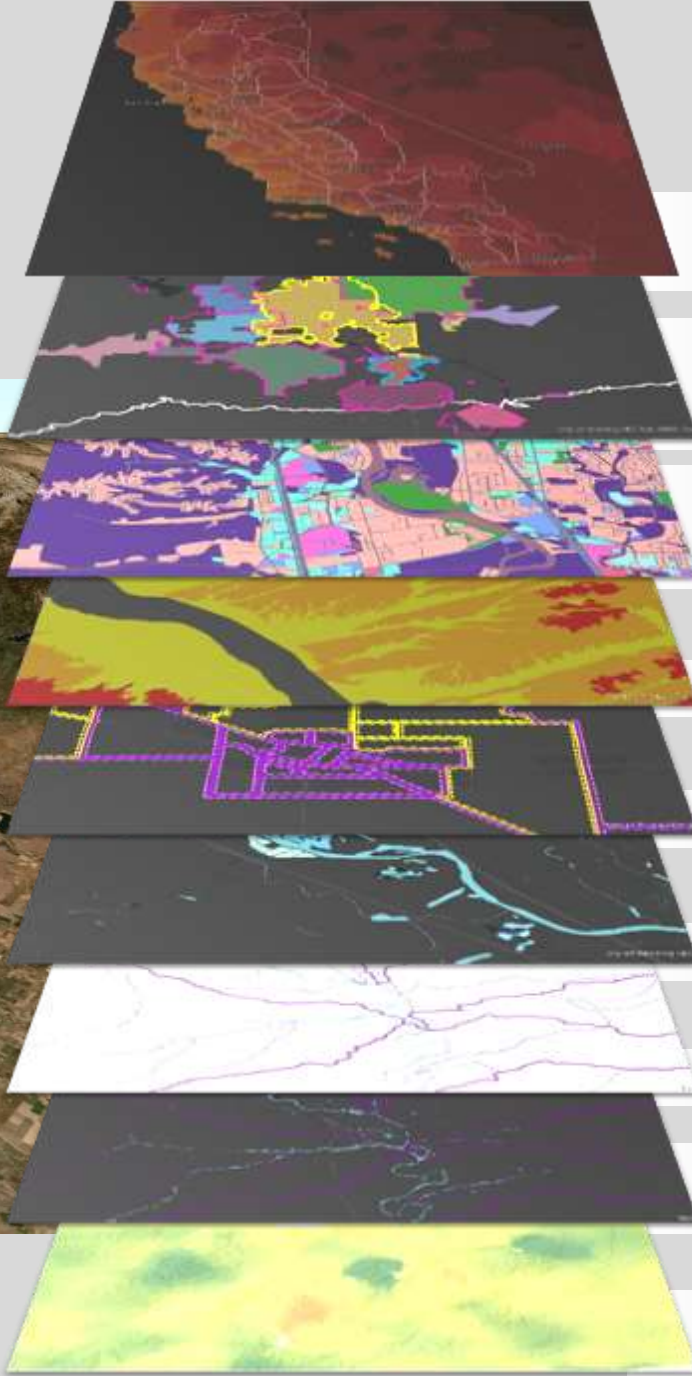
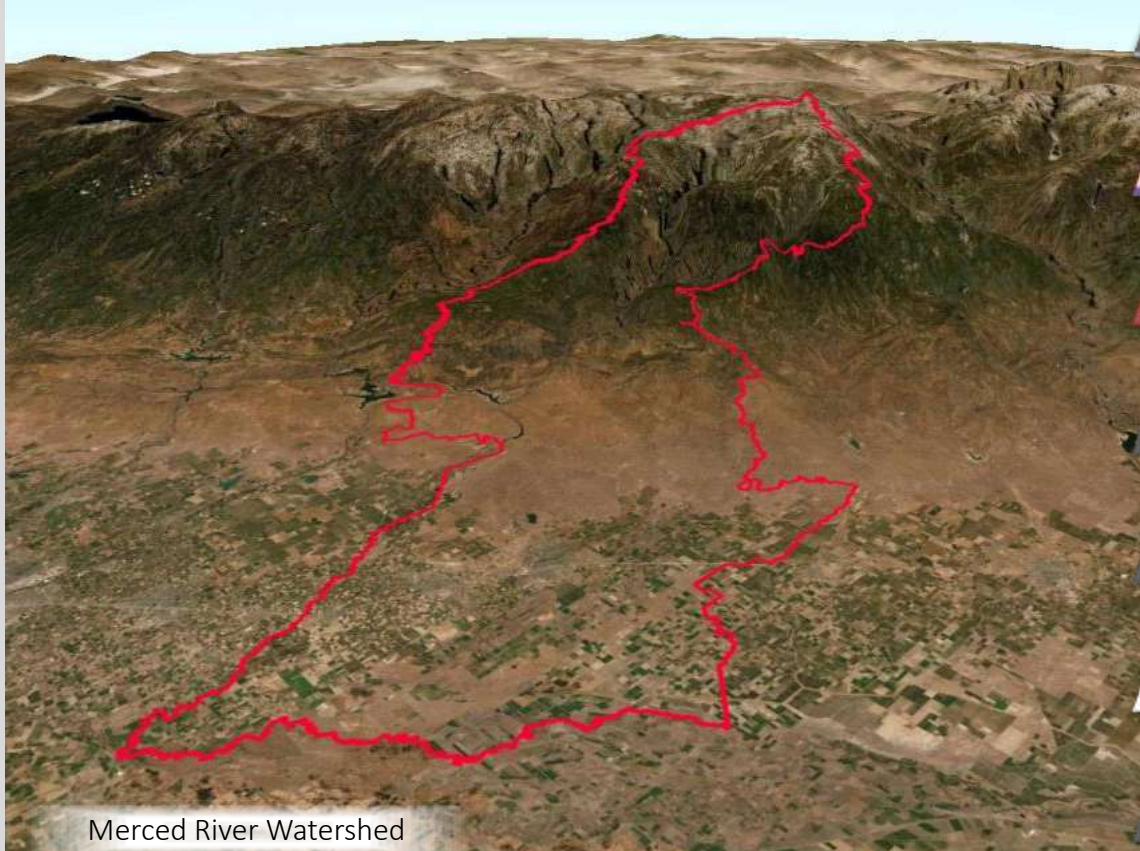
Projections of Precipitation Changes are Varied



Robust Analytical Approaches and Tools to Understand Vulnerabilities



Watershed Resilience Planning through Networks



Climate Change Data

Local, State, Federal Governance and Jurisdictions

Demographics / Vulnerable communities

Fire Risk

Land Use

Surface Water

Water Quality

Groundwater recharge zones

Ecosystem opportunities



Networks

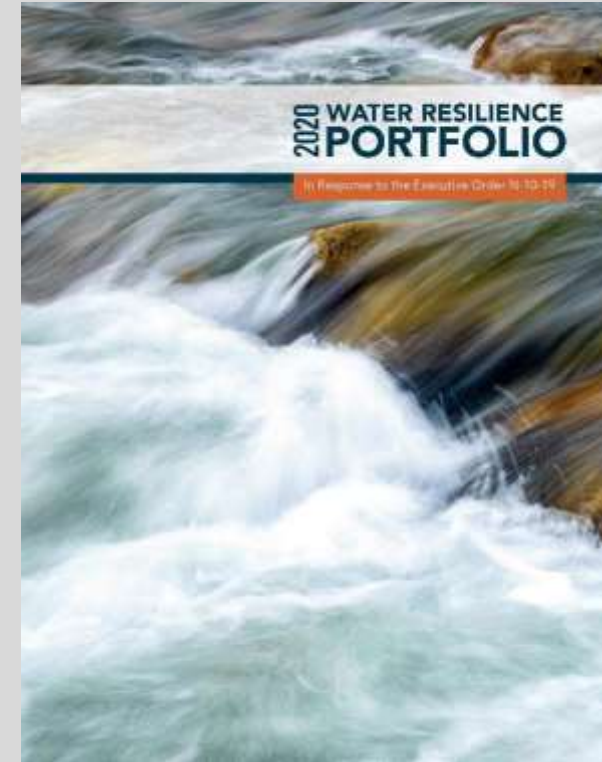


Improving Equity in Water Management is a major theme for Water Plan Update 2023

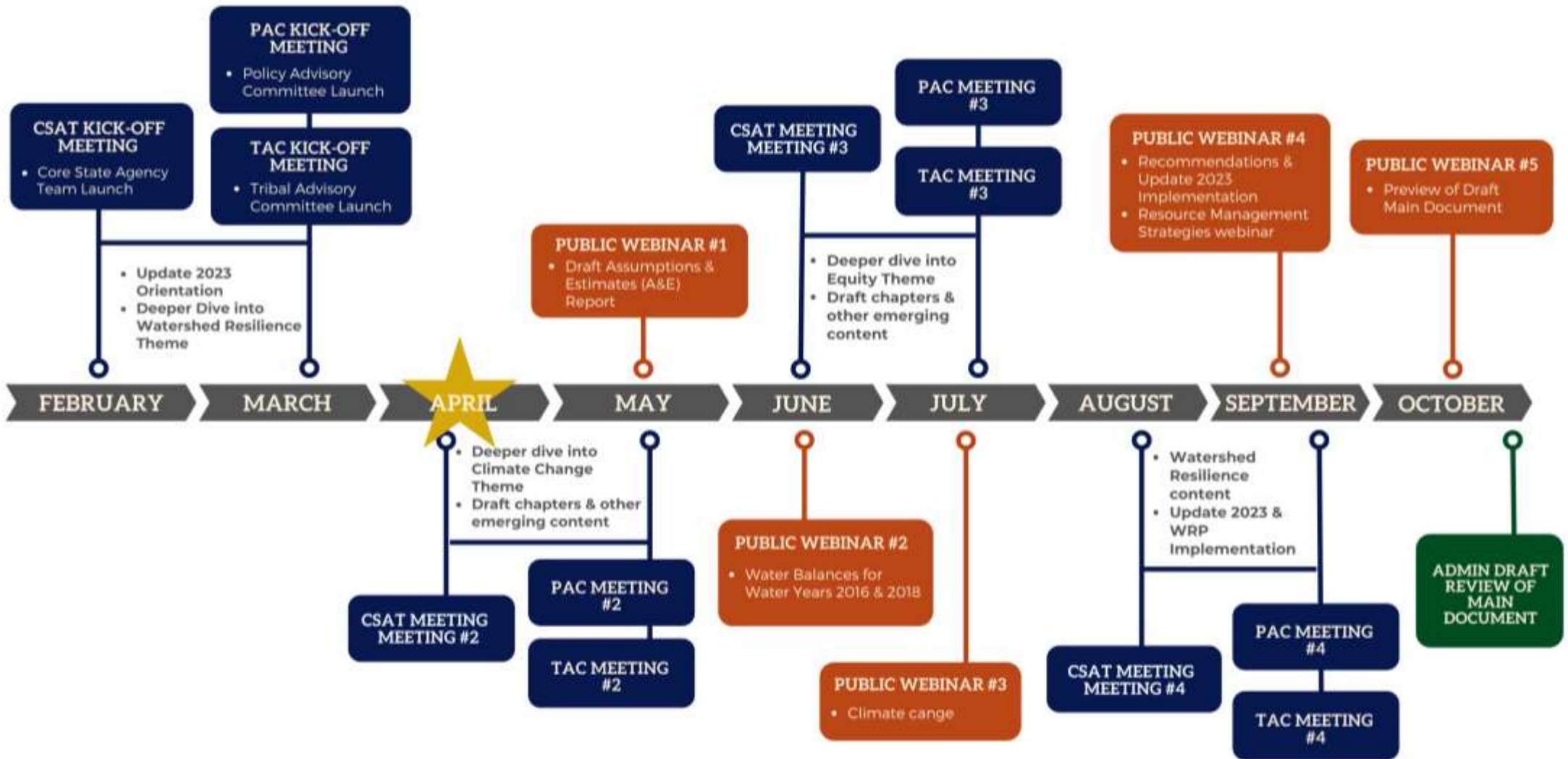


Communication & Engagement Plan to Align & Build Support for Update 2023

- Water Resilience Portfolio Principals
- Core State Agency Team
- Tribal Advisory Committee
- Policy Advisory Committee
- State/Federal Agency Networks
- Topic & place-based workshops



Where We Are Now



Access California Water Plan Information

❖ [Visit the Web Portal](#)

❖ [Subscribe to CA Water Plan eNews](#)

The screenshot shows the California Department of Water Resources website. The header includes the department name and navigation icons for Water Basics, What We Do, Programs, Work with Us, News, Library, and Search. The main content area is titled 'Update 2023' and features a large image of a river landscape. Below the image is a text block describing the update, followed by a list of 'Intended Outcomes of Update 2023'. A 'Contact Us' section is on the right, and a 'Tags' section at the bottom lists various topics like 'California Water Plan', 'Groundwater Management', 'Integrated Regional', 'Climate Change', 'Tribal', and 'Sustainability'. A diagram at the bottom shows the process flow from State Water Code to Actionable CWP 2023 Update.



Wednesday Update



April 6, 2022

Roundtable discusses updated climate adaptation strategy

A [video](#) of this week's roundtable on the updated [California Climate Adaptation Strategy](#) has been posted by the California Natural Resources Agency (CNRA). The update has six priorities that are intended to drive all resilience actions in the state. The priority list includes building a climate-resilient economy, protections for climate-vulnerable communities, and basing decisions on the best available climate science. The roundtable includes representatives from CNRA and several other State agencies and commissions.



New coalition will standardize water-related data in the U.S.

The [Lincoln Institute of Land Policy](#) has announced the [creation of the Internet of Water \(IoW\) Initiative](#) at the [Center for Geospatial Solutions](#). The IoW started at Duke University to promote tools and best practices for modernizing the nation's water data infrastructure. The new IoW coalition will standardize water-related data in the U.S. to help policymakers address climate change and make better decisions for building more sustainable and resilient communities.

CNRA updates progress on Cutting Green Tape initiative

CNRA has issued a new report, [Transforming Environmental Restoration: Progress on the Cutting Green Tape Initiative](#). The Cutting Green Tape Initiative is designed to make it easier and more cost effective to deliver projects that improve the environment. CNRA has also [posted a video](#) of last month's meeting to give stakeholders an update on the Initiative process.



<https://water.ca.gov/programs/california-water-plan/update-2023>



CALIFORNIA WATER PLAN UPDATE 2023

To subscribe [visit DWR email subscription page and select 'Water Plan eNews' option.](#)

Update on Harmful Algae Blooms

See Attachment 4 for more information

Facilitated By:

Rosemary Hartman, DWR Division of Integrated Science & Engineering

[Additional DWR staff TBD]



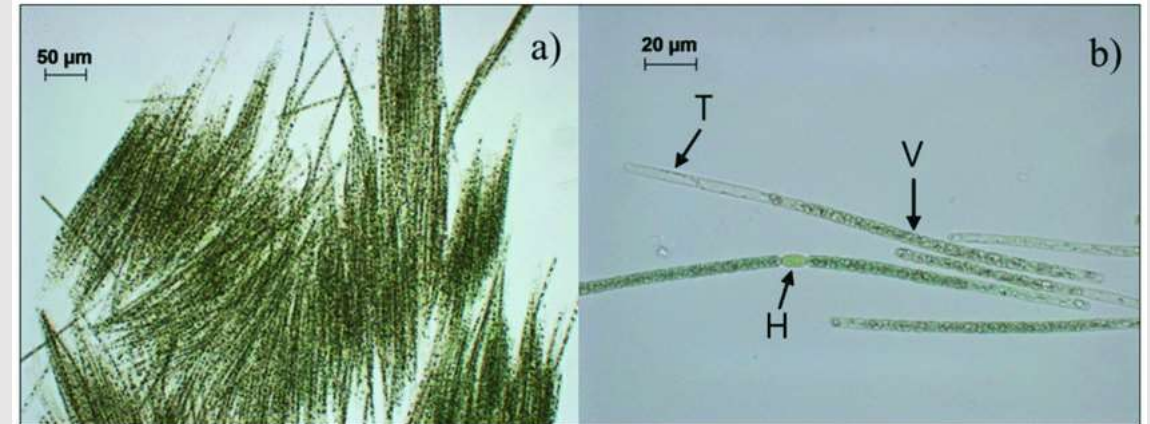
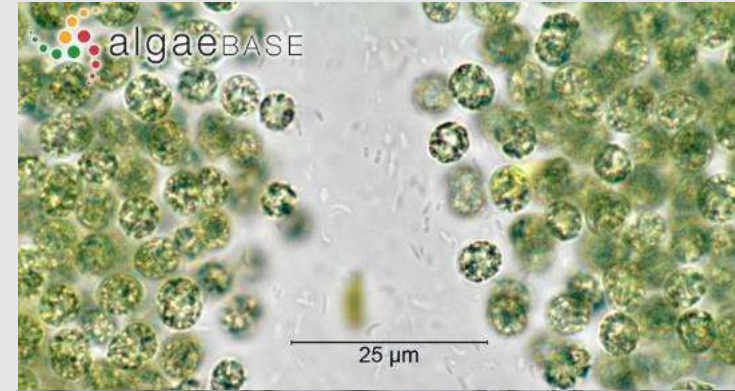
Harmful Algal Blooms in the Delta

5/5/2022

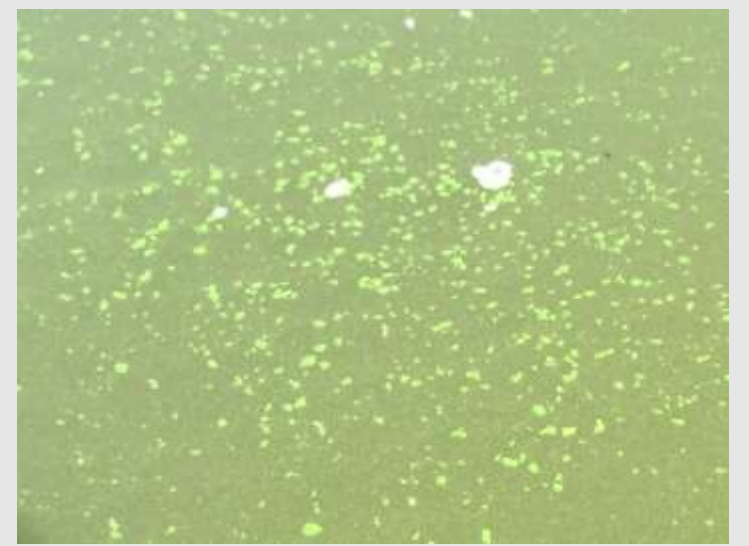
Rosemary Hartman
Environmental Program Manager
Division of Integrated Science and
Engineering.

HABs background

- Microcystis, Aphanizomenon, Dolichospermum, and Oscillatoria
- Increasing problem in the Delta since early 2000s
- Increased severity correlated to temperature, flow, light



What do they look like?



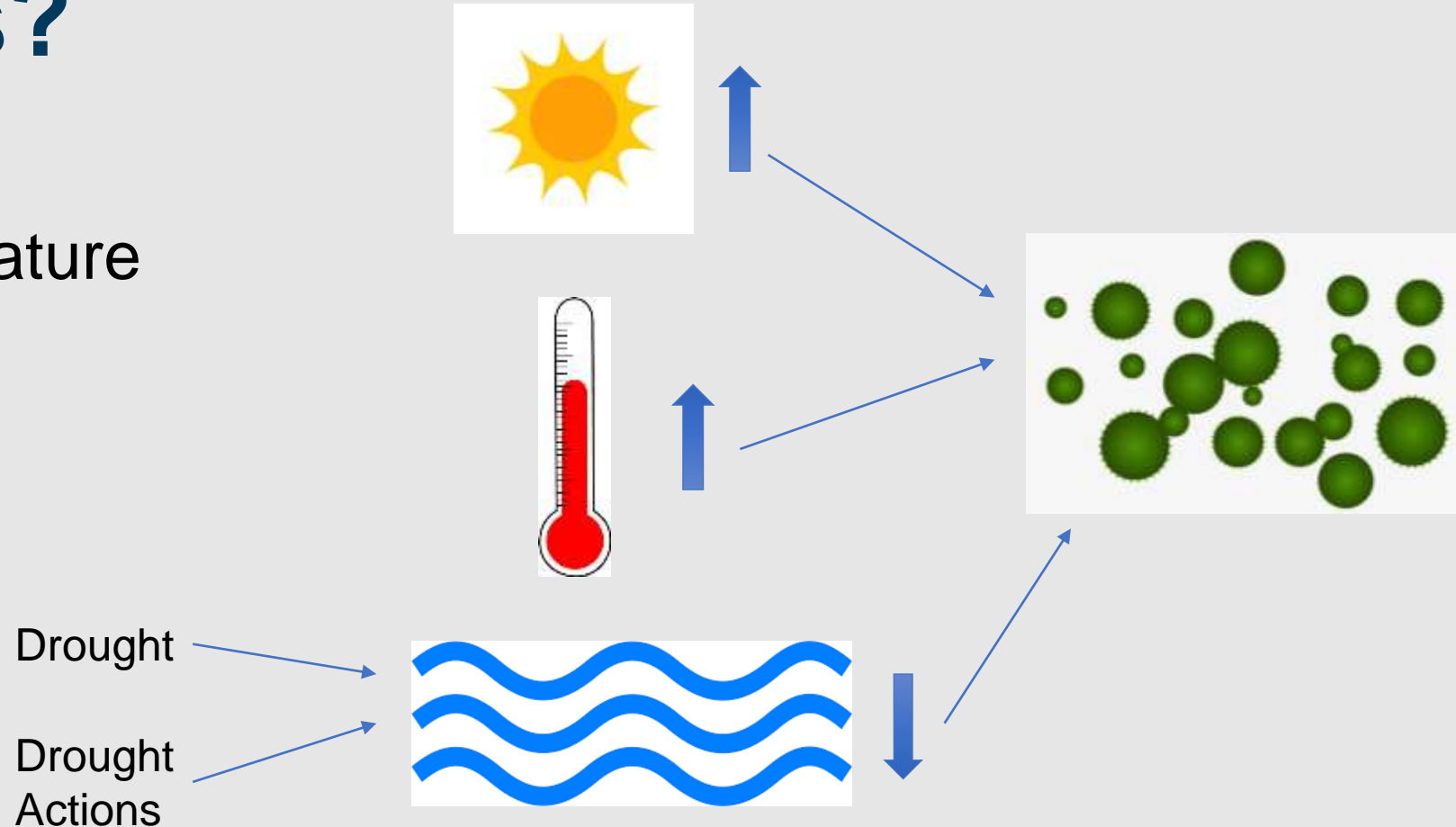
<https://mywaterquality.ca.gov/habs/resources/field.html>

Why are they harmful?

- Some produce toxins that harm the liver (microcystins)
- Others produce neurotoxins
- Can cause rashes
- Harm fish and wildlife

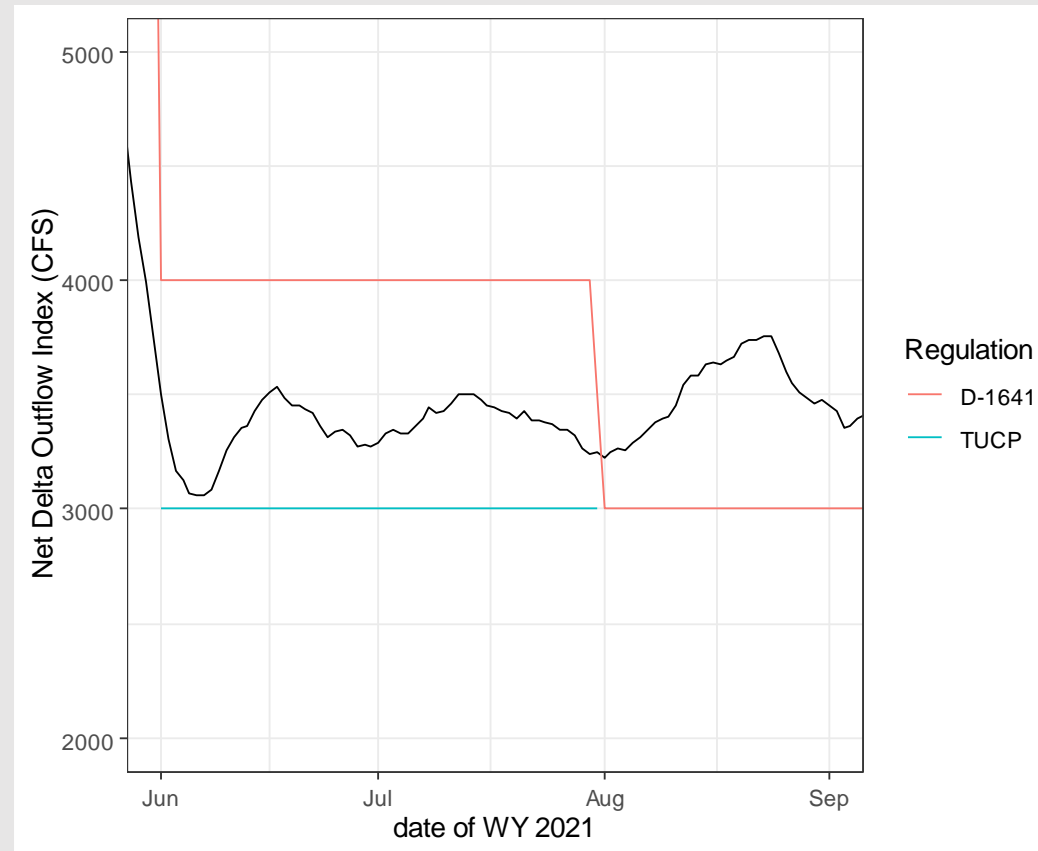
What controls HABs?

- Light
- Temperature
- Flow



TUCP

- June-July of 2021
- Reduced Delta Outflow
- Limited Project Exports



Emergency Barrier

- West False River
- Installed June of 2021



Franks Tract Bloom

- Bloom in Franks Tract in July and August of 2021
- Toxin levels low ($3 \mu\text{g/L}$)

Jul. 15,16,19, 2021



Aug. 13,16,17, 2021



Sept. 10,13,14, 2021

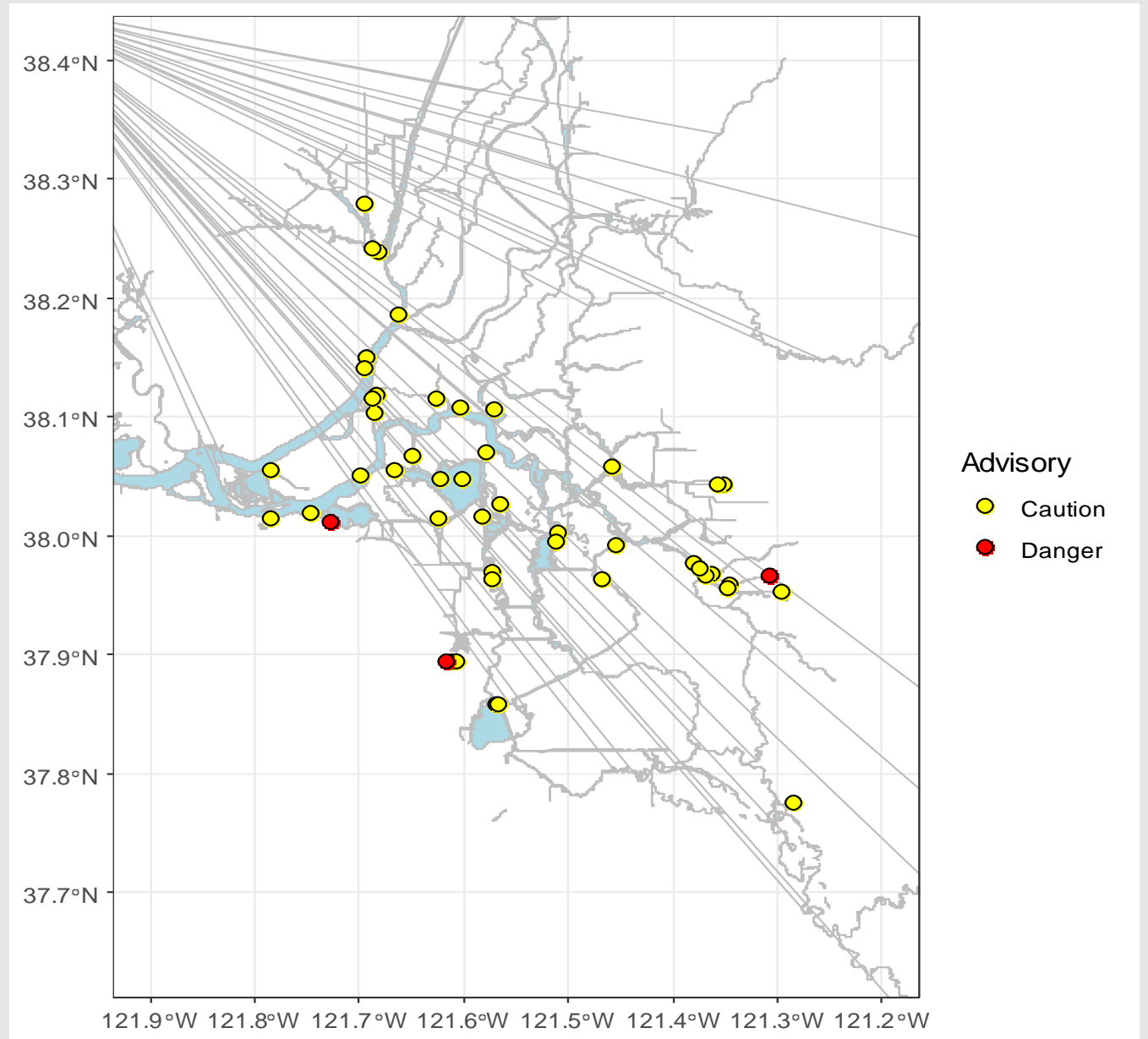


Oct. 12-14, 2021



HAB Hot spots

- Areas with “danger” advisories had advisories in 2019 and 2020 as well.



Report

- Draft report on 2021 conditions June 1 2022
- Public comment June 1- July 1
- Final draft August of 2022.
- Report on 2022 conditions next spring

Questions and Open Discussion

- How does your Tribe use the Delta?
- Have HABs impacted your use of the Delta?
- Do you have concerns about HABs in the future?

Hosting Quarterly Tribal Meetings

- Opportunities for Tribal Hosted Meetings
 - August 4, 2022 –
 - October 6, 2022 – interest from Bo Mazzetti, Chairman Rincon Band of Luiseno Indians
- Topics for Next Meeting

Facilitated By:

Anecita Agustinez, DWR Tribal Policy Advisor



Open Discussion

Facilitated By:
Anecita Agustinez, DWR Tribal Policy Advisor



Adjournment

- Next Quarterly Tribal Advisory Group Meeting
 - August 4, 2022 (1:00 – 3:00 p.m.)
 - Registration information may change, subject to Meeting Host
- For questions, please contact:
 - Anecita Agustinez, DWR Tribal Policy Advisor:
tribalpolicyadvisor@water.ca.gov
 - Erin Crandall, DWR SGMP Senior Engineer, registration assistance:
Erin.Crandall@water.ca.gov

Facilitated By:

Anecita Agustinez, DWR Tribal Policy Advisor

