

**REGULAR BUSINESS MEETING MINUTES**  
**WESTSIDE SAC IRWMP Coordinating Committee**

**Date:** Wednesday, November 10, 2021

**SCHEDULED TIME:** 10:00 AM – Noon

**Location:** Video only, via Zoom, due to COVID-19 Shelter-in-Place Order. Host – Lake County Water Resources Department

**Coordinating Committee Members Attending:**

County		Representative		Alternate
Solano	✓	Sabrina Colias, SCWA	✓	Chris Lee, SCWA
Napa		Chris Silke, NC Flood Control		Richard Thomasser, NC Flood District
Yolo		Elisa Sabatini, WRA	✓	Max Stevenson, PhD, YCFCWCD/WRA
Lake	✓	Marina Deligiannis, Lake County Water Resources Dept.	✓	Angela DePalma-Dow, Lake County Water Resources Dept.

**Others present:** Scott Harter – Lake County Special District; Mattipohto Siltanen – State DWR; Stephen McCord, PhD – MEI; Lindsay Correa, DWR; Vanessa Velasco, DWR; Pablo Ortiz, Civic Spark Fellow, DWR & Big Valley Band; Oceana Haaland, Civic Spark Fellow, DWR; Scott Hornung, Lake County, Deputy Administrator for Special Projects; Yolanda Garabay, Lake County Special Districts; Katie Burdick, Yuba Water Agency, Yuba IRWM; Jeanette Wrynski – Yolo County Resource Conservation District/IRWMP Administrative Coordinator; Kate Reza, Yolo County RCD/ IRWMP Administrative Coordinator

- 1. Call Meeting to Order and Introductions.** Ms. Colias called the meeting to order at 10:05 AM.
- 2. State of Emergency & Virtual Meeting Consideration.** Discussion about each member agency providing a location where the public can access the meetings remotely to ensure equitable access for public participation. ACTION: Next meeting to be hosted remotely by Napa County. MOTION: Deligiannis; SECOND: Stevenson. AYES: unanimous (Colias, Stevenson, Deligiannis).
- 3. Approve Consent Agenda.** ACTION: Approve the Consent Agenda as presented; MOTION: Deligiannis; SECOND: Stevenson; AYES: Unanimous (Colias, Stevenson, Deligiannis). Mr. Stevenson announced that he has accepted the Putah Creek Streamkeeper position with Solano County Water Agency. Sarah Leicht and/or Jack Cronin will represent the YSGA on the IRWM Coordinating Committee in the future.
- 4. Public Comment.** There were no comments from the public.
- 5. DWR Update.** Mr. Siltanen reviewed the information on the handout provided in the packet, paying special attention to the highlighted items, and answering questions.
- 6. Approve MEI Contract for Services.** Discussion of possible opportunities for water quality funding through state and other agencies instead of EPA/brownfields funding. Dr. McCord could find such opportunities and approach possible project sponsors, e.g., CA Department of Toxic Substances Control (DTSC) funding. ACTION: Adopt McCord Contract for Services; MOTION: Stevenson; SECOND: Deligiannis; AYES: Unanimous (Colias, Stevenson, Deligiannis). Dr. McCord indicated he will look into the DTSC grant and talk to potential applicants, including the City of Winters; the preapplication is very simple.
- 7. Special Presentation – DWR Climate Change Program.** Lindsay Correa with the DWR Climate Change Program, North Central Region Office, introduced herself and her coworkers (listed above) and described how the DWR can partner with the WS IRWMP and relevant services her office can provide, including grant review. Ms. Correa encouraged CC members to join the DWR’s climate list serve: Join climate news list serve: [climatechange@water.ca.gov](mailto:climatechange@water.ca.gov) See attached slides. Contact information is [Lindsay.Correa@water.ca.gov](mailto:Lindsay.Correa@water.ca.gov). Power Point slides are attached to these minutes.
- 8. Update on the DWR DACI Phase 2 Work in the Westside and SRFA.** Katie Burdick informed the CC that the SRFA DACI program is in the last year and has been in the field to develop Capital Improvement Plans (CIPs) for at least one municipality and one small system in each of the six Sacramento IRWM regions. They will then work with the small water systems on funding/financing strategies. WS IRWM facilities are the City of Lakeport and the small water systems of Grimes and El Rio Villa. Some regions are opting out, so Ms. Burdick may be coming back to the WS IRWM for another couple of systems. She plans to work from the existing list of systems



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in need of technical assistance for the WS IRWM and will be letting the administrative coordinator know in the next couple of weeks if it will be happening.

9. **Draft Protocol/Policy for Emergency Watershed Response.** Ms. Reza presented draft procedures to the group based on direction from Mr. Stevenson and Ms. Wrynski. Ms. Wrynski brought up some questions that arose about the procedures and Agenda Item 11., Draft CC Project #214 was developed, including who would be eligible to ask for funding and what would constitute an emergency, and further discussion ensued. More questions came up for the CC to consider: what would the scope of the emergency need to be, who would need to declare the emergency, should there be a minimum screening level of at least a local agency declaring a disaster, justification for the disaster and need for emergency funds. The CC agreed that Lake County reps DePalma-Dow and Deligiannis would provide comments and edits and return to Ms. Reza, who would incorporate those and distribute to the rest of the CC for their input. The intent to include evaluative criteria and include the iterative nature of emergency planning was mentioned. This agenda item and Agenda Item 11, Draft CCC Project #214, were continued to the January 2022 meeting by consensus agreement.
10. **IRWM Roundtable of Regions Semi-annual Summit Attendance.** Ms. Wrynski informed the CC that the IRWM Roundtable of Regions' summits are well-received, interesting, and provide valuable information that has applicability to the WS IRWM group. She encouraged CC members to attend and said that Ms. Reza will be attending on the CC's behalf and will provide an update at the January meeting.
11. **Draft CCC Project #214.** See Item #9, continued to next meeting.
12. **Update on Lake County DACTI Infrastructure Grants.** Mr. Harter provided an update on all 6 Lake County DACTI projects. Five are successfully underway; one is still under CEQA review.
13. **Drought Roundtable Discussion.** Ms. Colias said that water in Lake Berryessa is at 404 feet, and in the last storm event, Monticello dam received over 6 inches of rain. Mr. Harter reported that Clearlake levels are rising. Ms. Deligiannis reported that the Lake County Board of Supervisors approved a drought resilience work group in response to [SB552](#). Ms. Colias reported that the Solano County Water Agency Water Conservation Coordinator conducted a survey and among the results: 66% of respondents are more likely to conserve if they know that farmers are facing cutbacks and 65% of respondents think that households are the greatest users of water. The poll was conducted through social media. She added that they clearly have more education work to do.
14. **CC Member and Administrative Coordinator Reports, Regional Activities and Updates.** Ms. Wrynski brought up hard copy records of CC activities: YCRCD has kept a full and complete hard copy record through 2021. She posed the question about whether there should be a set of hard copy records kept or whether it's okay to go digital. All digital files are stored on the server at Yolo CRCD – which is backed up on the cloud. Line item in WS budget pays for this storage. Ms. Colias stated that this is a topic for future discussion as CC members need to investigate how the WS IRWM record keeping methods mesh with individual agency requirements. Ms. Wrynski further noted that all minutes and agendas are supposed to be signed by the chair and that digital signatures are now acceptable.
15. **Confirm Next Meeting Date and Location.** Wednesday, January 12, 2022, 10:00 AM hosted by the Napa County Flood Control and Water Conservation District. Held virtually. An Outlook invitation and link to the next meeting will be sent by Napa County Flood Control.
16. **Adjourn.** The meeting was adjourned at 11:59 AM by Ms. Colias.

**Minutes respectfully submitted by:** Jeanette Wrynski and Kate Reza, YCRCD. Approved on \_\_\_\_\_ by the Westside Sac IWRMP Coordinating Committee.



**SOLANO COUNTY**  
**WATER AGENCY**





**CALIFORNIA DEPARTMENT OF**  
**WATER RESOURCES**

# Climate Change Program

Westside Sac IRWM Coordinating Committee

November 10, 2021



# CLIMATE CHANGE PROGRAM

The DWR Climate Change Program is committed to building resiliency in water management by preventing, preparing for, and adapting to climate change. We perform a wide range of science-based services for water managers and provide technical assistance to improve research, monitoring, and strategies to address the challenges posed by climate change.

## Guiding Principles

1. We ask, "*what else can we do?*" on a continual basis, to facilitate ongoing improvements in carrying out our objectives.
2. We conduct business in an ethical, fiscally sound, and employee-focused manner.
3. Most of all, we lead by example.

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DWR supports numerous partnership initiatives that improve science-practitioner collaboration, foster the use of the best available science in water management, and create unique public outreach on the impacts of climate change on the State of California.

# Who we are

## REGIONAL CLIMATE CHANGE SPECIALISTS



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## STATE CLIMATE CHANGE SUPPORT

### Mitigation



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### Adaptation



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### DWR and Program Support



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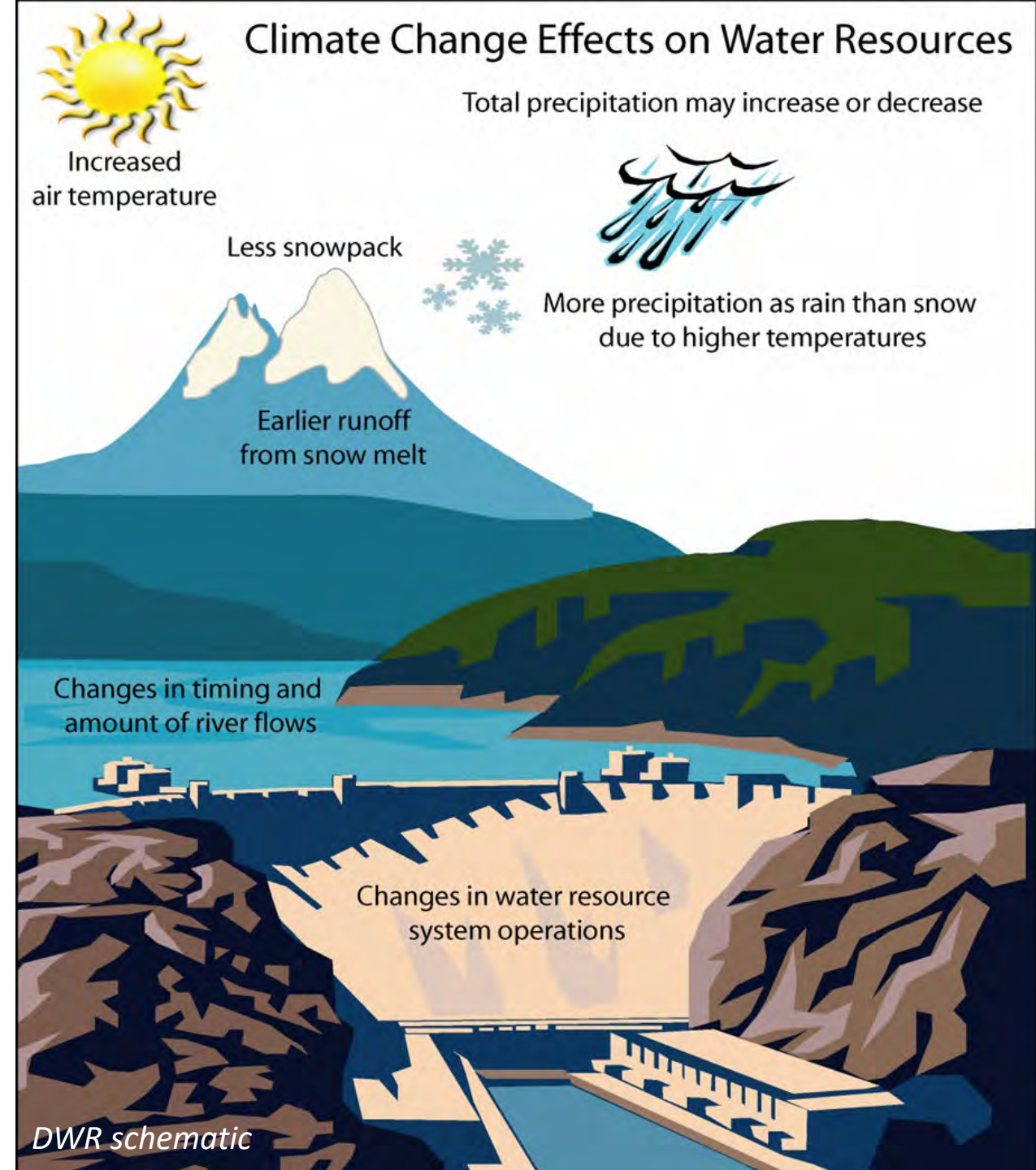
## CLIMATE CHANGE PROGRAM MANAGEMENT

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# Anticipated Impacts

- Less snow and earlier spring runoff
- Sea level rise
- More severe storms and flooding
- More frequent droughts
- Increased water demand for crops, environment, and cities
- Too warm water for cold- water fish like salmon and steelhead





## Relevant DWR Climate Change Program Goals

- Anticipate and prepare for future climate change impacts to infrastructure, the environment, and people by facilitating decision making under deep uncertainty.
- Support actionable climate change research through connections between scientists and practitioners.
- Provide assistance to improve climate resilience with a special focus on disadvantaged communities, local collaboration, small systems, and Tribes.

# Partnerships with federal, state, local and academics

DWR supports numerous partnership initiatives that improve science-practitioner collaboration, foster the use of the best available science in water management, and create unique public outreach on the impacts of climate change on the State of California.



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CREATIVE SOLUTIONS. LASTING RESULTS.

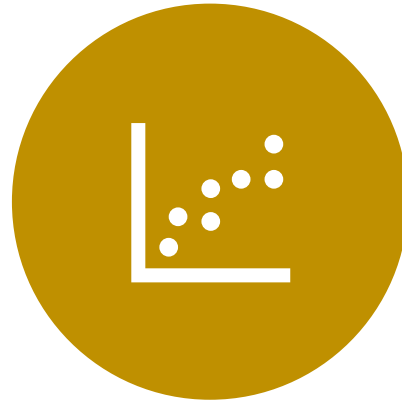
Cornell University



# Regional and Local Support



GRANT AND PLAN REVIEW



TECHNICAL ASSISTANCE



OUTREACH AND EDUCATION

# Grant and Plan Review

2010

- IRWM (Prop 84) Guidelines Development & Plan Review

2014

- 2015 Agricultural Water Management Plan (AWMP) Guidebook Update

2016

- IRWM Plan Review (Prop. 1)

2018

- Climate Risk Survey
- IRWM Plan Review

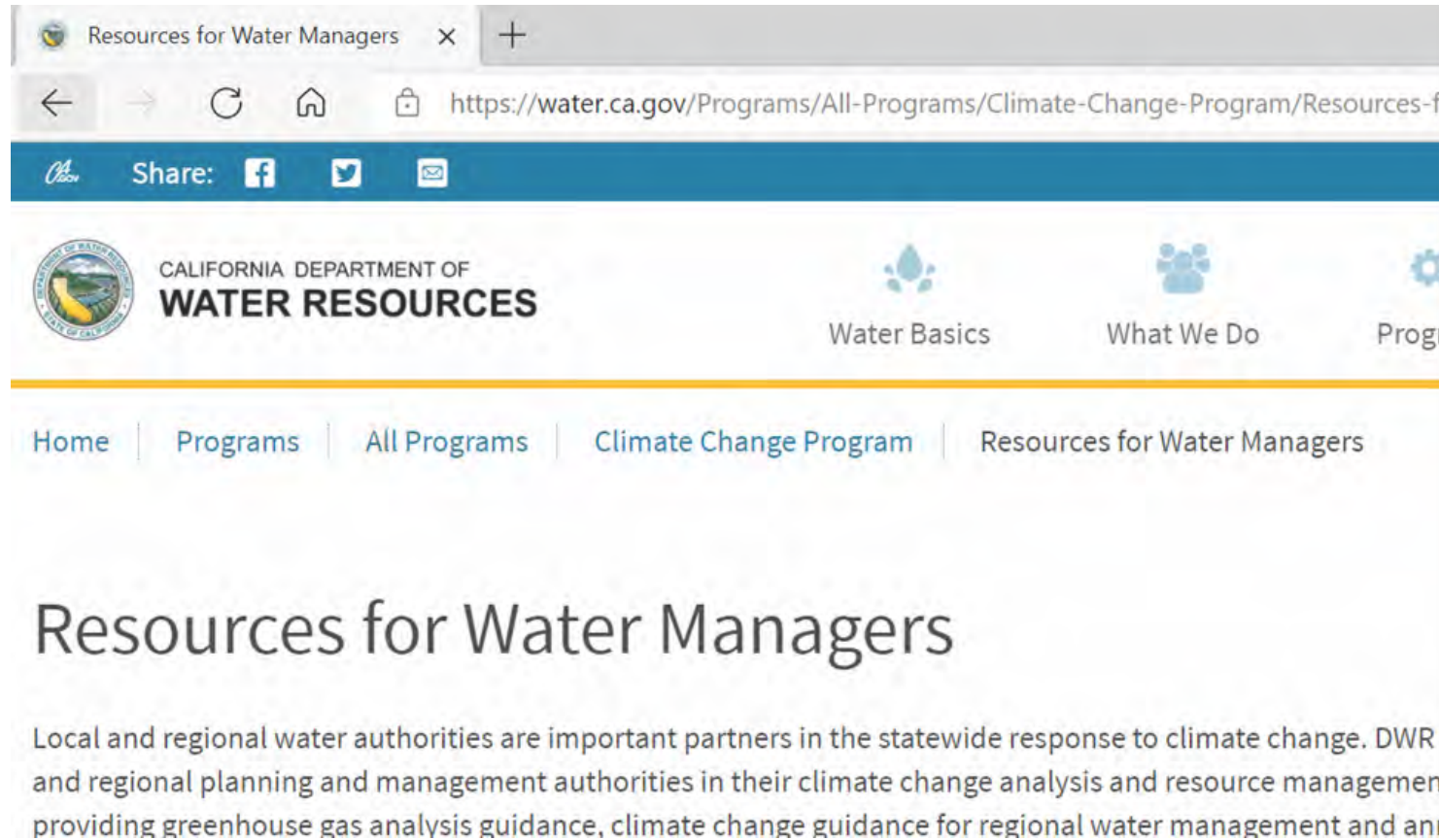
2019

- IRWM Pre-application Workshops
- IRWM PSP Review (Prop 1 Rd 1)

2021

- Urban Water Management Plan (UWMP), AWMP & IRWM CC Guide

# Resources for Water Managers

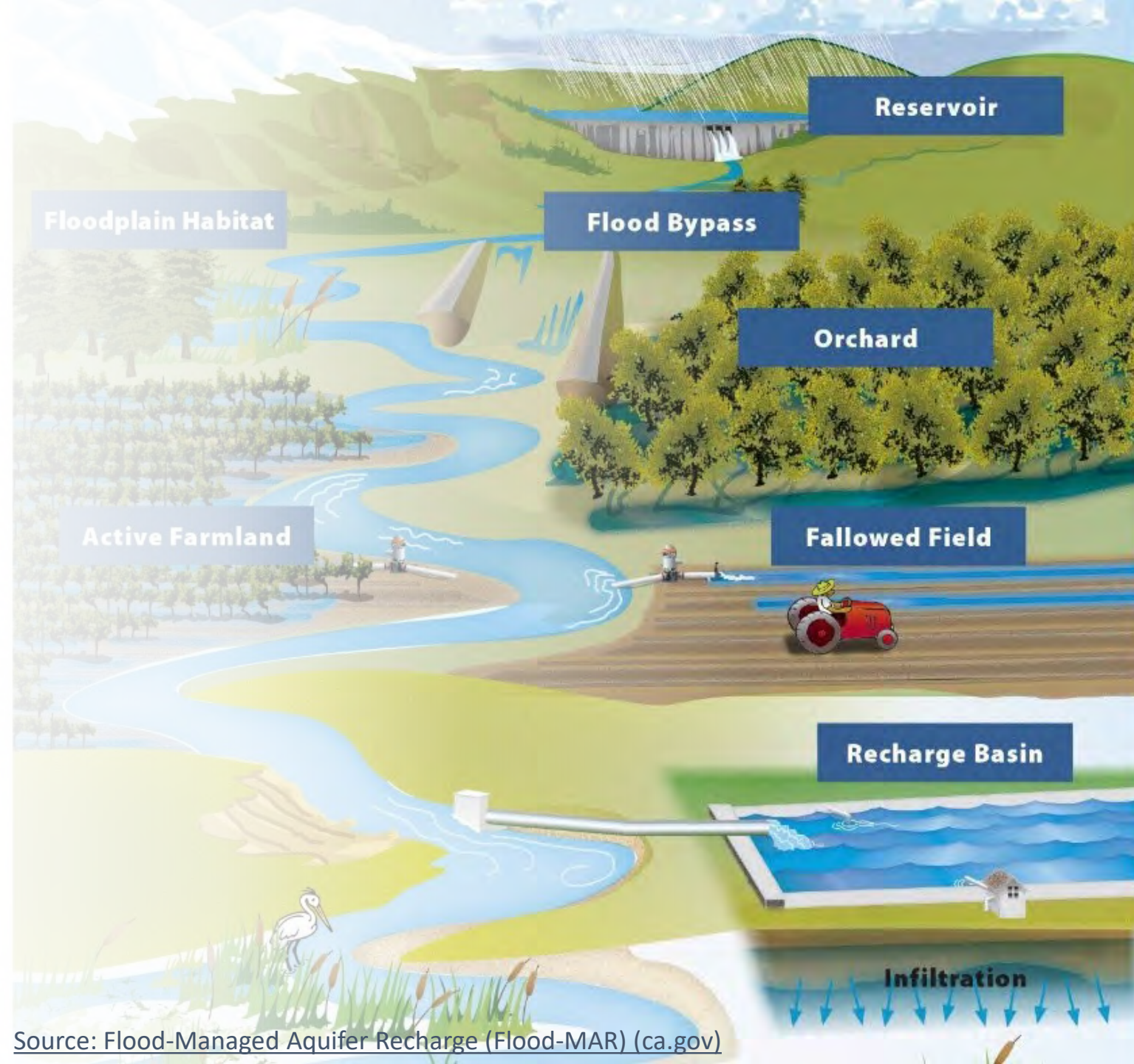


The screenshot shows a web browser window with the URL <https://water.ca.gov/Programs/All-Programs/Climate-Change-Program/Resources-for-Water-Managers>. The page header includes the California Department of Water Resources logo and navigation links for 'Water Basics', 'What We Do', and 'Programs'. A breadcrumb trail shows the path: Home | Programs | All Programs | Climate Change Program | Resources for Water Managers. The main heading is 'Resources for Water Managers'. Below the heading, the text reads: 'Local and regional water authorities are important partners in the statewide response to climate change. DWR and regional planning and management authorities in their climate change analysis and resource management providing greenhouse gas analysis guidance, climate change guidance for regional water management and an

- **Incorporating Climate Change into Water Planning**
  - Agricultural Water Management Plan and Urban Water Management Plan
  - Integrated Regional Water Management
  - Sustainable Groundwater Management Act
  - Flood Control Agencies
- **Available Data for Climate Analysis**
  - Hydrological Changes
  - Modeling for Climate Change

# Watershed Vulnerability and Adaptation Planning Studies

- Merced River Basin Flood-Managed Aquifer Recharge Reconnaissance Study
- Tuolumne River Watershed Vulnerability Assessment and Adaptive Planning Study



Source: Flood-Managed Aquifer Recharge (Flood-MAR) (ca.gov)

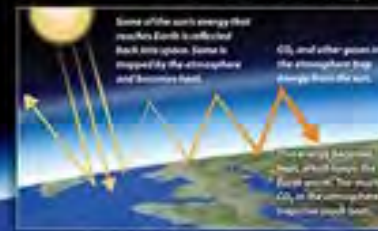
# Outreach and Education

## Climate Change and the Future of California's Water

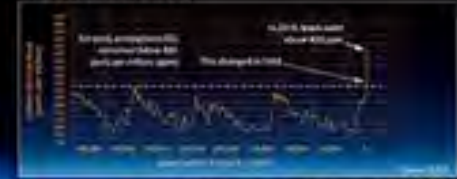
California's Mediterranean climate – with its hot, dry summers and cool, wet winters – makes managing water a challenge. A complex system of dams and aqueducts stores and distributes water to help protect communities from floods and provides a reliable supply of water throughout the year. However, this system is at risk from climate change. Increased temperatures, reduction of the Sierra snowpack, and sea level rise are already impacting water supply and demand, and the impacts are expected to become more pronounced in the coming decades. Understanding why climate change is happening, how it will impact our water resources, and what we can do to minimize its effects is essential for managing our water resources and protecting our future.

### What Causes Climate Change?

When we burn fossil fuels such as coal, oil, and gas to power our homes, factories, and cars, we release carbon dioxide (CO<sub>2</sub>) into the atmosphere. CO<sub>2</sub> is a heat-trapping gas. Regular CO<sub>2</sub>, released through the carbon cycle helps the atmosphere act like a blanket, keeping the Earth warm enough to live on. However, burning fossil fuels releases additional CO<sub>2</sub> into the atmosphere. This stagnant CO<sub>2</sub> causes the atmosphere to act like a thicker blanket, which traps too much heat and disrupts the climate.



### Changes to Atmospheric CO<sub>2</sub>



## What Climate Change Means for California

### Future Flooding with Sea Level Rise



### Sea Level Rise

As the climate warms, land ice melts and oceans undergo thermal expansion. These both contribute to rising sea levels. In California, sea level rise threatens coastal communities with flooding and poses risks to groundwater reservoirs and the health and quality of the Sacramento-San Joaquin Delta, a major source of fresh water for 27 million Californians from the San Francisco Bay Area to San Diego.

### Reduction in Snowpack

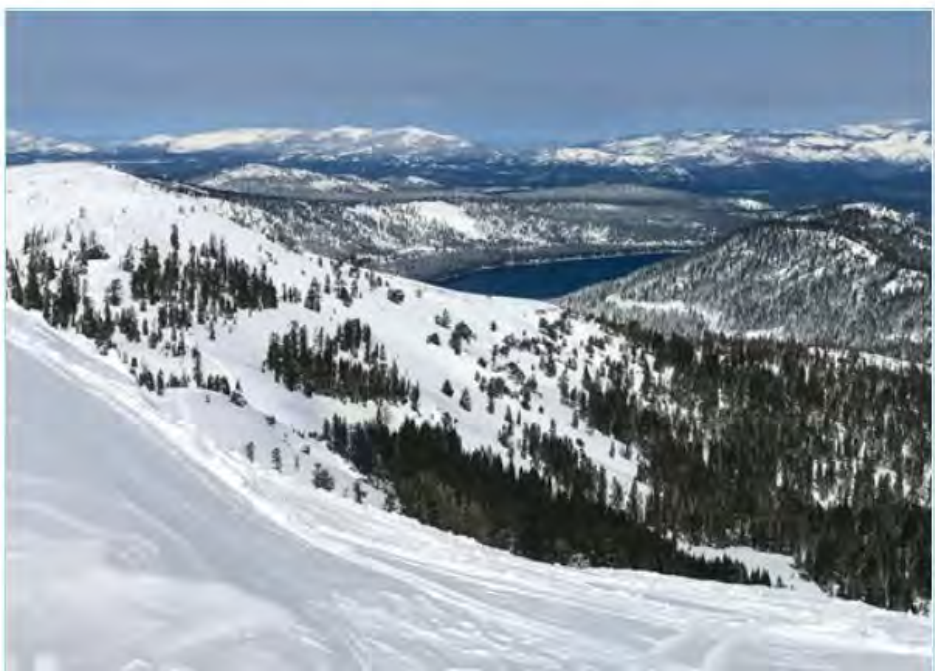
The Sierra snowpack acts as a frozen reservoir that, as it melts, provides water during the hot, dry summers. Warming temperatures, leading to rain instead of snow, have already reduced the snowpack by 25 percent in the last 100 years. Climate models indicate snowpack will continue to decline in the 21st century. This loss, combined with earlier and faster melting, decreased how much water we have during our hot, dry summer months.

### Changes to California's Snowpack





# Climate Change Basics



Climate change is impacting California's water resources, evidenced by changes in snowpack, stream flows, and sea level, and river flows. As we seek to adapt to and reduce the impacts of climate change, responsible management of our water resources is essential for the long-term health of our state.

## Climate Basics

Climate refers to conditions, such as temperature and precipitation, measured over an extended period of time. Most of California has a "Mediterranean climate," with hot,

- Climate Change Basics Webpage
- Presentations
- Educational Materials

California is a national leader in responding to the threats of climate change. Through enacted legislation, regulations, and programs, the state has set the state on track to reduce greenhouse gas emissions to 40% below 2005 levels by 2030. Reducing carbon emissions can help reduce the impacts of climate change. DWR's Climate Change Program guides the Department of Water Resources in improving energy efficiency, fuel efficiency, and water conservation methods, and water conservation to prepare for and adapt to climate change. DWR's Climate Change Program also helps protect public health and safety.



# Dept. of Water Resources Climate News Digest

## September – 2021



Credit: CO Public Radio

To Understand How Mountains and The  
Atmosphere Bring Water to The West, Scientists  
Aim Their Instruments at Colorado's Sky

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[climatechange@water.ca.gov](mailto:climatechange@water.ca.gov)



Thank You

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