

IRWM Summit 2021



John T. Andrew
November 15, 2021



This morning's itinerary

- Looking back on IRWM
- Looking forward to climate resilience
- Some closing musings

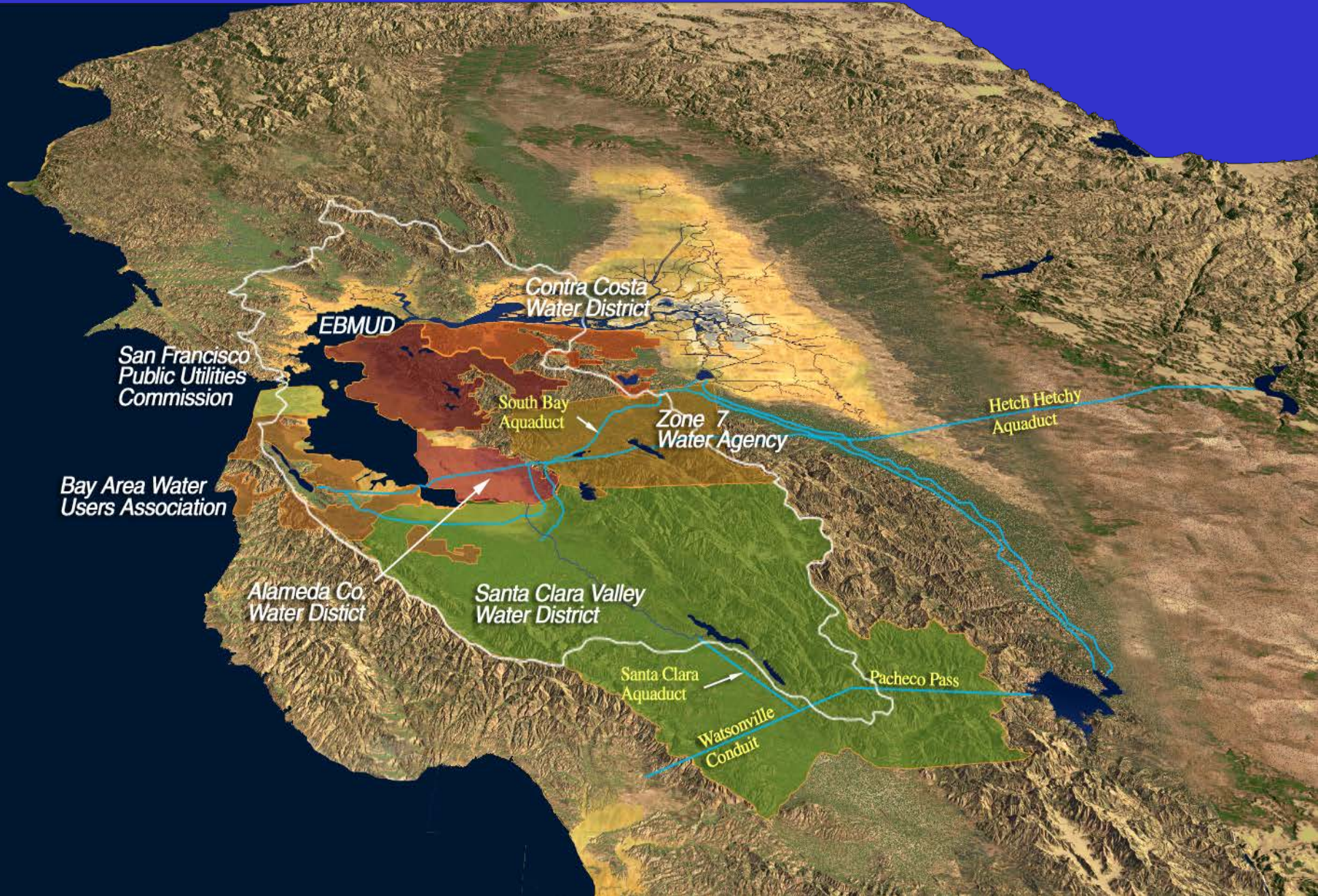
**NO PUBLIC ACCESS
AT THIS TIME**

DUE TO COVID-19 CONCERNS

**ALL SCUSD SCHOOL GROUNDS
ARE TEMPORARILY CLOSED**



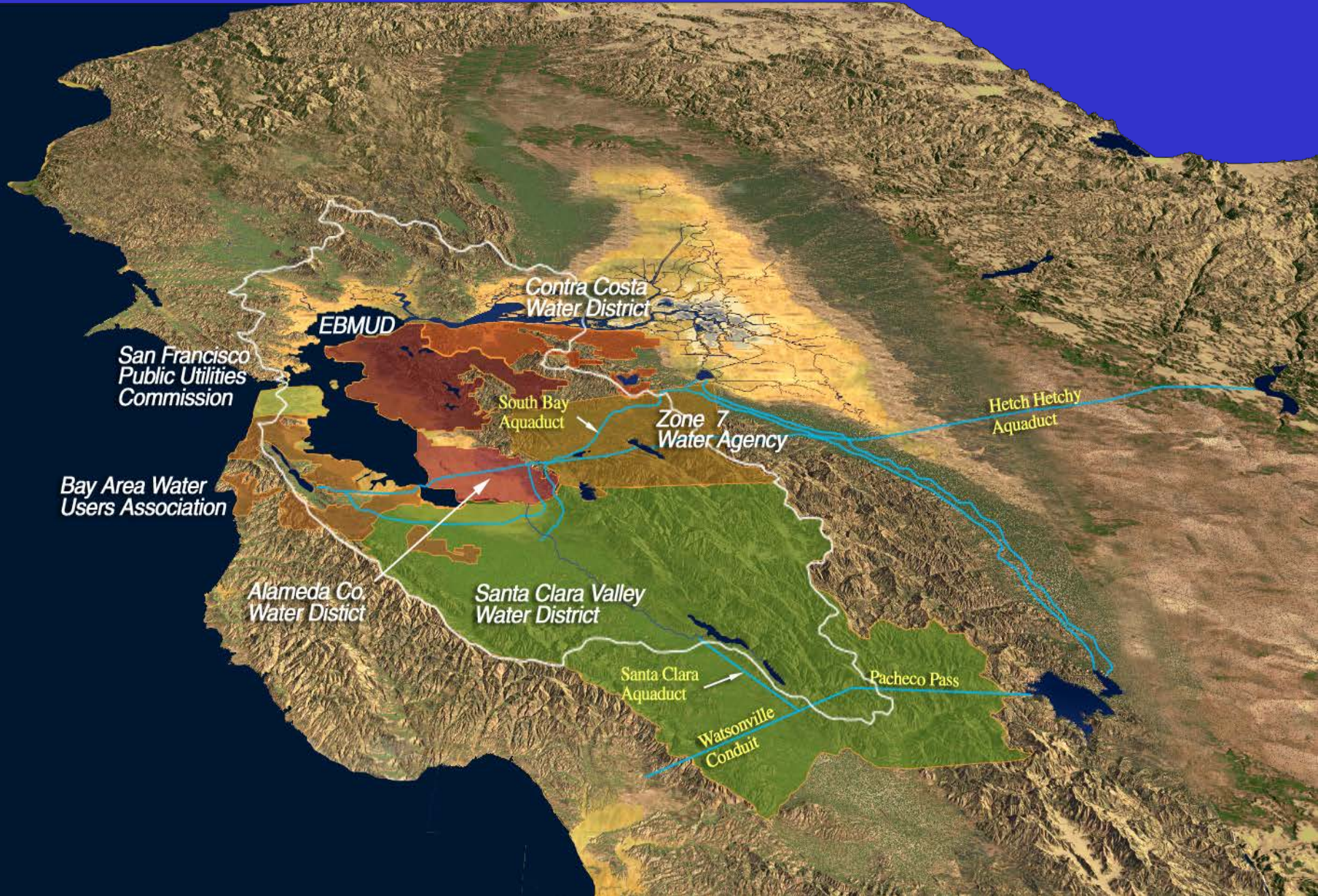
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BAY AREA BLENDING/EXCHANGE







BAY AREA BLENDING/EXCHANGE



Bay Area IRWMP

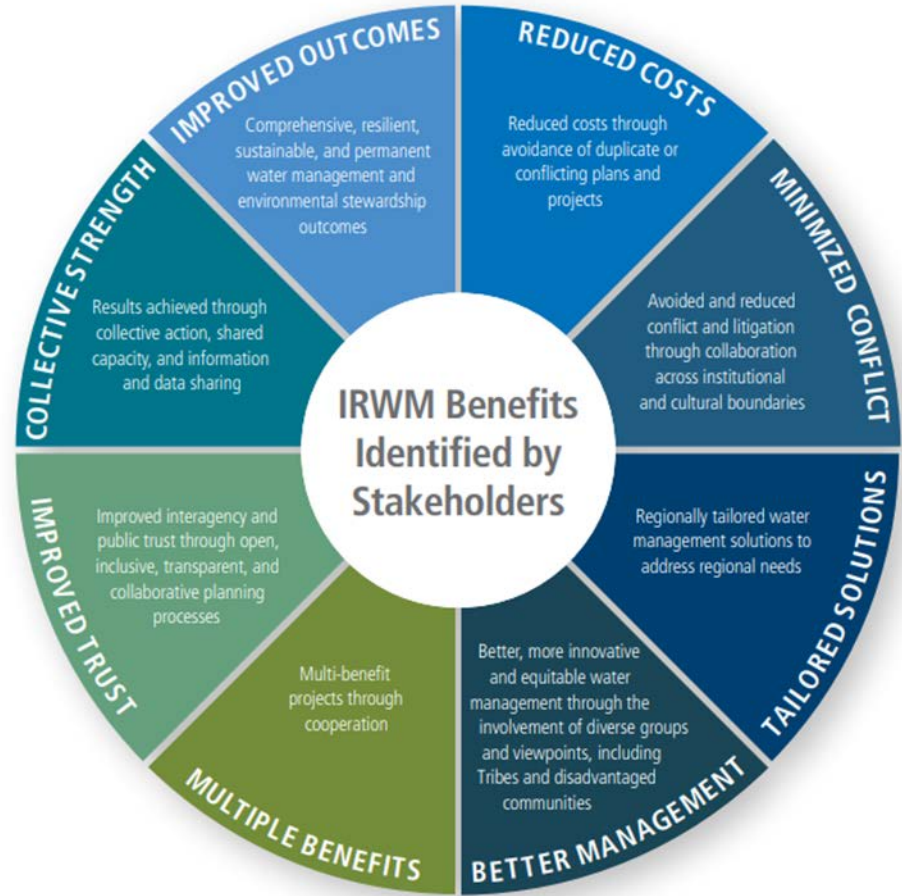
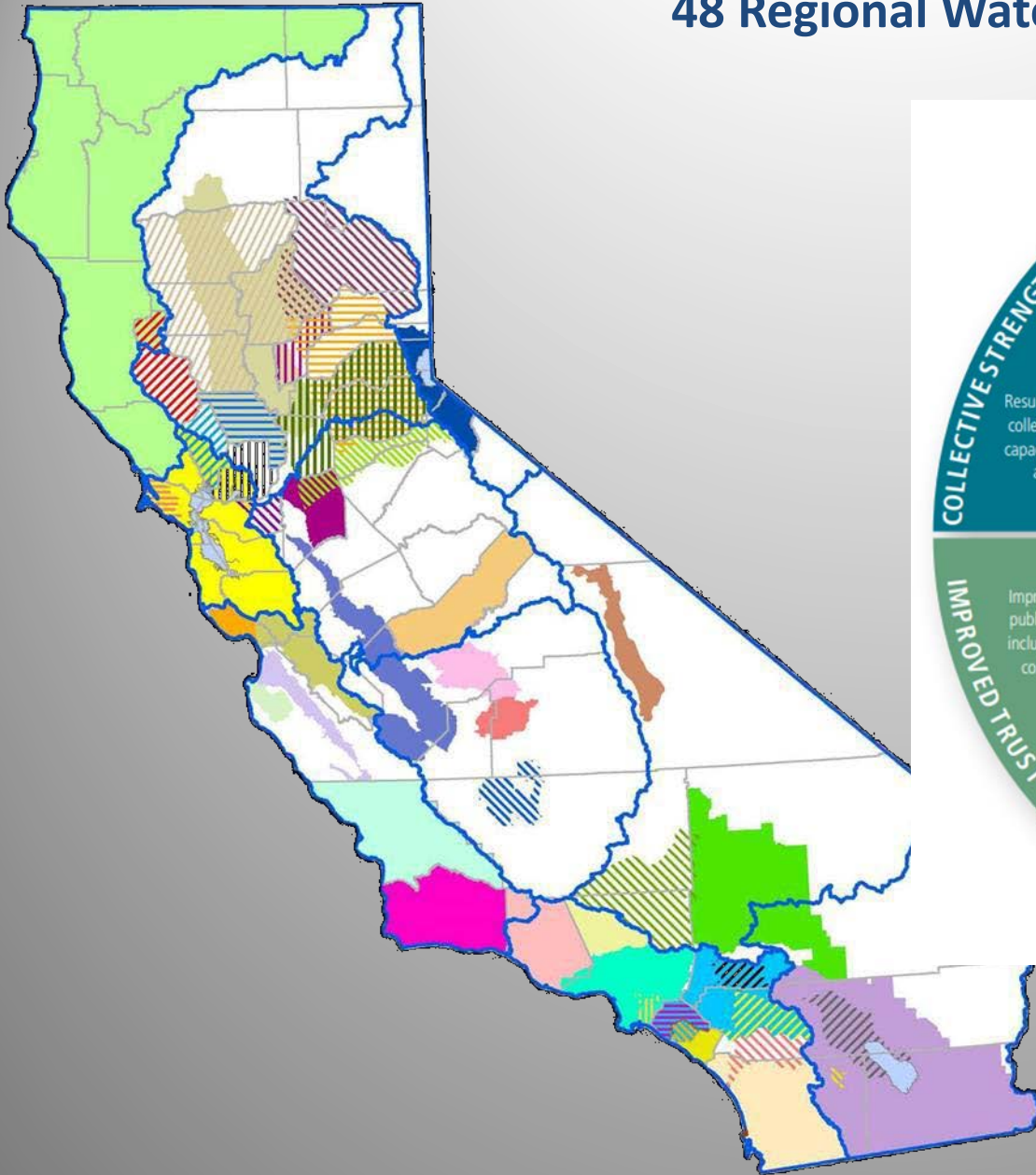


The Bay Area Integrated Regional Water Management Plan is a nine-county effort to address the following critical needs:

- Promote environmental, economic and social **sustainability**
- Improve **water** supply reliability and quality
- Improve regional **flood management**
- Protect and improve **watershed health and function** and Bay water quality
- Create, protect, enhance, and maintain **environmental resources and habitats**

Integrated Regional Water Management

48 Regional Water Management Groups

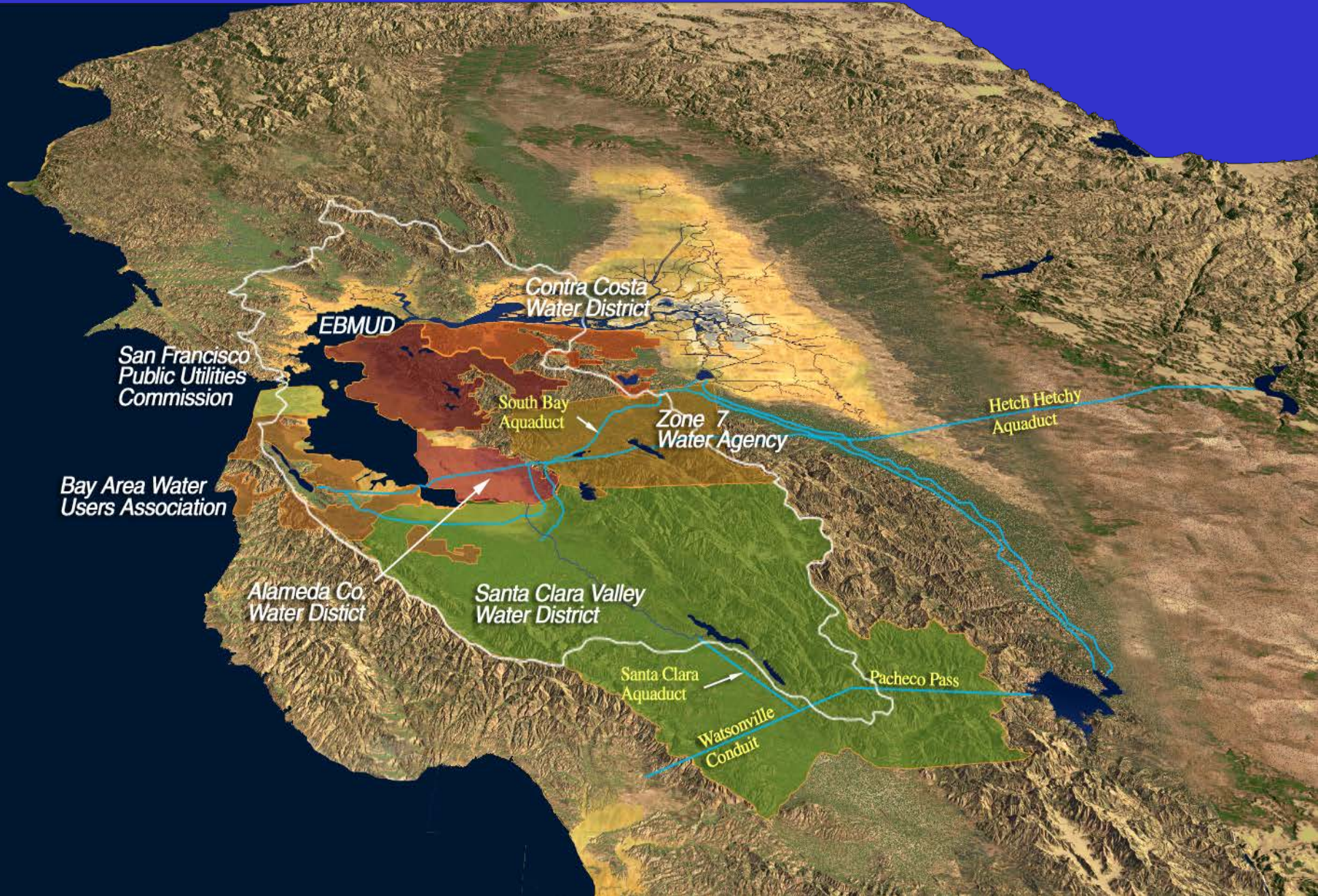


Human Right to Water

AB 685 (2012)

- Calif. first in nation to recognize this right
- One million Californians affected
- “Every human being has the right to *safe, clean, affordable, and accessible* water adequate for human consumption, cooking, and sanitary purposes.”





BAY AREA BLENDING/EXCHANGE

LOS VAQUEROS RESERVOIR JPA MEMBERS

The following agencies have recently formed the Los Vaqueros Reservoir JPA.

- Alameda County Water District
- Contra Costa Water District , to include:
 - City of Brentwood*
- East Bay Municipal Utility District
- Grassland Water District
- Santa Clara Valley Water District (Valley Water)
- San Francisco Public Utilities Commission , to include:
 - Bay Area Water Supply & Conservation Agency*

- San Luis & Delta-Mendota Water Authority**, consisting of:
 - Byron-Bethany Irrigation District
 - Del Puerto Water District
 - Panoche Water District
 - Westlands Water District
- Zone 7 Water Agency (Alameda County Flood Control & Water Conservation District, Zone 7)
- Department of Water Resources (ex officio, non-voting pursuant to Water Code Section 79759(b))

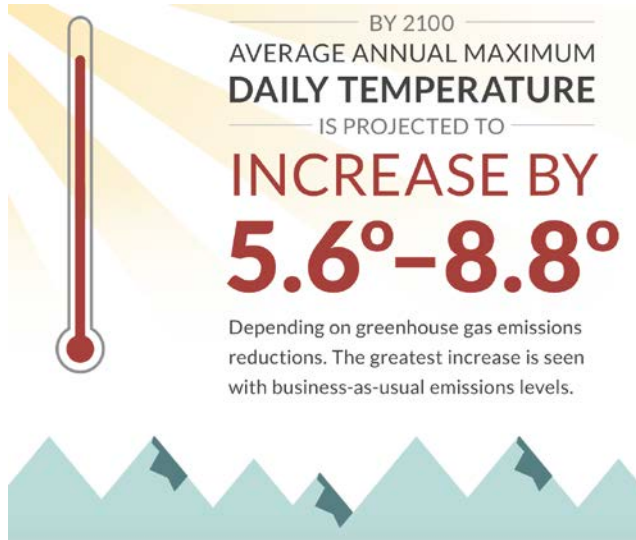
October 7, 2021





"Politicians discussing global warming"
Isaac Cordal

+ Projected Statewide Impacts



BY 2050
HEAT WAVES IN CITIES
COULD CAUSE
**2-3 TIMES MORE
HEAT-RELATED DEATHS**

Vulnerable populations will experience
the worst of these effects.



BY 2100
WATER SUPPLY FROM SNOWPACK
IS PROJECTED TO
**DECLINE BY
TWO-THIRDS**

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
OCTOBER 2008



MANAGING AN UNCERTAIN FUTURE

Climate Change Adaptation Strategies
for California's Water

Climate Change Water Adaptation White Paper (2008)

EXECUTIVE SUMMARY

2009 CALIFORNIA CLIMATE ADAPTATION STRATEGY DISCUSSION DRAFT

A Report to the Governor of the State of California
in Response to Executive Order S-13-2008



Public Review Draft



[Golden Gate University Environmental Law Journal](#)

[Katherine A. Spanos](#)

Water Management: From an Uncertain Present to a Sustainable Future

Abstract

Over the last ten years, two separate water management planning efforts in California—integrated regional water management and climate change planning—have come together in a way that provides similar lessons to help different interests find common ground for water management solutions. This planning synthesis has resulted in a significant change in the way California now addresses issues of water management.

After a brief background discussion (Part II), Part III of this Article examines the history of the merger of these two initiatives. Part IV explores an approach for water management based on the experience gained from this history. This approach is built on consideration of three key elements: thinking holistically, expecting uncertainty, and encouraging cooperation. Part V describes an emerging framework through which participants can apply these elements in the management of water resources.

Recommended Citation

Katherine A. Spanos, *Water Management: From an Uncertain Present to a Sustainable Future*, 7 Golden Gate U. Envtl. L.J. 143 (2014).

<https://digitalcommons.law.ggu.edu/gguelj/vol7/iss2/5>



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Climate risk disclosure

As a trustee and an investor of scarce taxpayer dollars, here are some voluntary questions we ask our grantees—and perhaps you should, too?

- Is there a primary point of contact for climate change?
- Is there a strategic business plan that considers climate change?
- Has the organization adopted any policies or made any formal public statements about climate change?
- Has the organization conducted a climate change vulnerability assessment?
- How would you describe your organization's capacity to adapt to the impacts of climate change?

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Beyond disclosure—action

- Carbon sequestration opportunities
- Adaptability of a project to a changing climate
- Contribution of the project to community and regional resilience

**“The control of floods,
like the utilization of water, demands
integrated regional planning and control.”**

Carey McWilliams, 1949





IRWM 20th Anniversary: 2022

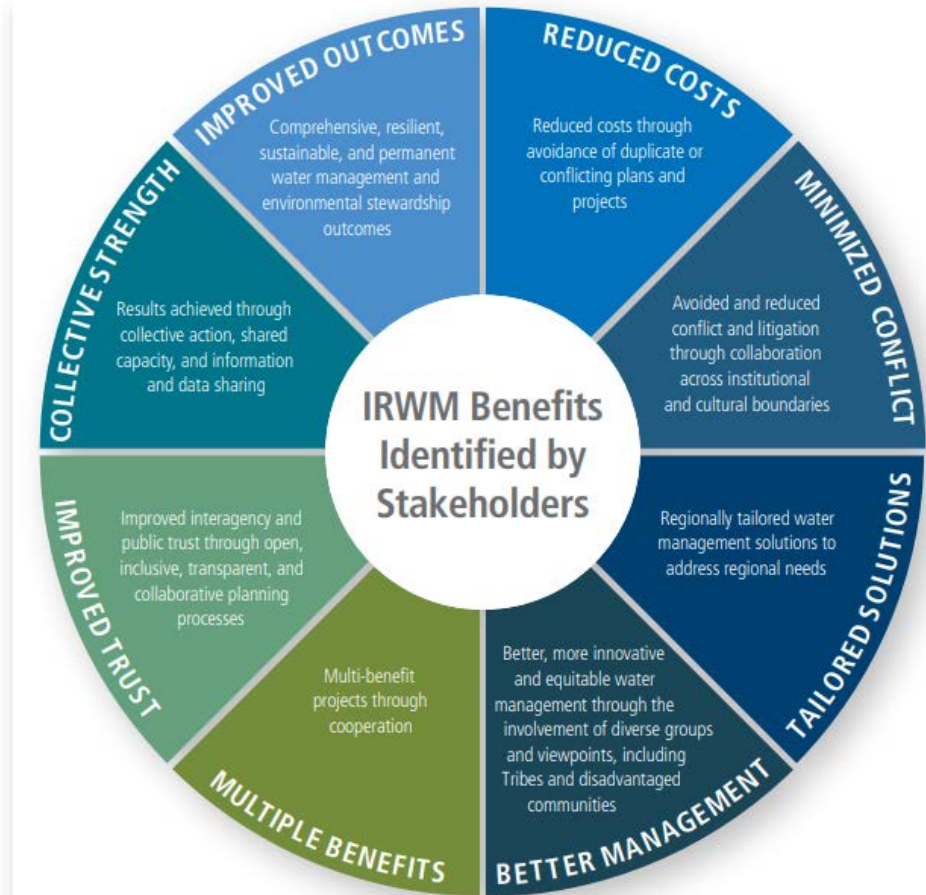
Integrated Regional Water Management (IRWM) Planning Act passed - 2002

Purpose - encourage voluntary collaborative partnerships to plan and advance integrated watershed- based solutions across political boundaries to achieve multiple benefits

Numerous accomplishments in two decades, helped by \$1.5 billion in voter-approved state investments matched 4:1 by local communities

Successful engagement of underrepresented communities and Tribes in local governance and grant application processes

How can we build on these investments and foundation to lead us into a climate resilient future?



IRWM 20th Anniversary: 2022



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WALLACE WAGNER

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