UCCE Lake Water and Climate Change Program

Laura Garza, Ph.D.

Area Water Resources Management Advisor UC Cooperative Extension Mendocino and Lake

UCCE Lake Water and Climate Change Program

Mission

Provide research-based guidance, education, and support to communities, water users, and stakeholders in Lake County.

The program promotes sustainable water management, supports adaptation to climate variability, and encourages collaboration to protect water resources for current and future generations.

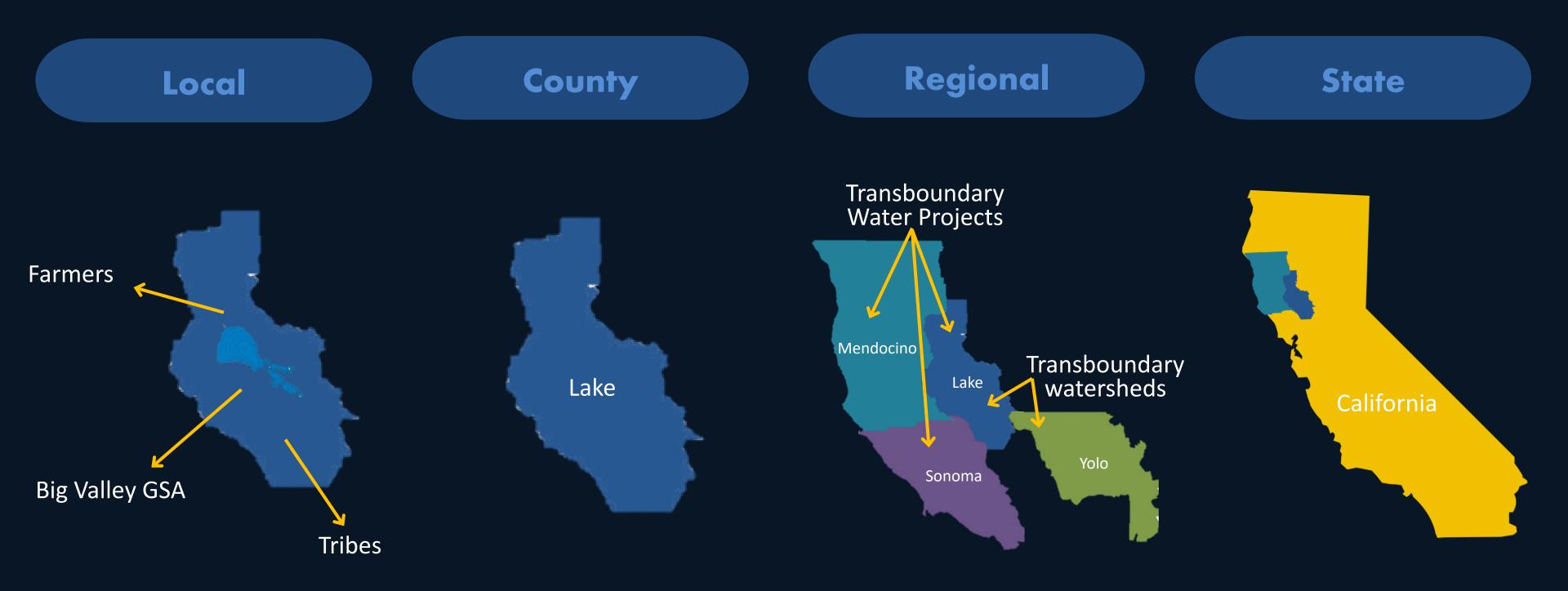


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Geographic Scales Effort







Local Engagement: Educational Events and Farm Visits

- ✓ Small Farmers Conference
- ✓ Organic Day
- ✓ Grape and Olive/Pear Day
- ✓ Strategies for Drought Resilience in Agriculture
- ✓ Irrigation Scheduling Workshop





Tribal Engagement

Middletown Rancheria: Water and Climate Needs Assessment Support Water and Climate Programs within Tribes



The Middletown Rancheria **Pomo Indians of California Climate Change and Natural Resources Needs Assessment**







Scotts Valley Tribe: STEM Tribal Youth Day



SCOTTS VALLEY BAND OF POMO INDIANS

AT UC HOPLAND RESEARCH AND EXTENSION CENTER













Come and join us for a 2-day cross-cultural learning exchange with the University of California Cooperative Extension and local Native leaders!

July 17th (Day 1): Come learn alongside UC researchers and educators working with local communities on issues related to agriculture and natural resources.

July 18th (Day 2): Come join us for an intergenerational knowledge sharing day with Native researchers, cultural fire practitioners, fisheries biologists, basket weavers, and elders working in Tribal land stewardship and resilience.





Ally Sung-Jereczek, Fire and Tribal Liaiso

Patricia Franklin, Scotts Valley, Environmental Directo



Support to Lake Water Agencies and GSAs

Support Lake Water Resources Department and STANTEC in efforts related to Lake County DRP

high risk of being impacted by drought and water shortages.

MENDOCINO COUNTY DROUGHT RESILIENCE PLAN

The Drought Resilience Plan (DRP) aims to facilitate water shortage preparedness for small water systems and domestic wells owners in drought events.

DROUGHT MITIGATION STRATEGIES

Over the past decade, several drought planning actions and mitigation efforts have been undertaken in the County in response to droughts, these include:

1. Monitoring Programs

initiatives that support data collection, long-term groundwater monitoring, sustainability planning, and assessment of droughts on water resources.

2. Creation of Water Authorities and Planning Frameworks

The <u>Ukiah Valley Water Authority (UVWA)</u>, a Joint Powers Authority, was established through the consolidation of multiple water agencies to improve regional water management, optimize resource sharing, and enhance emergency water interconnections.

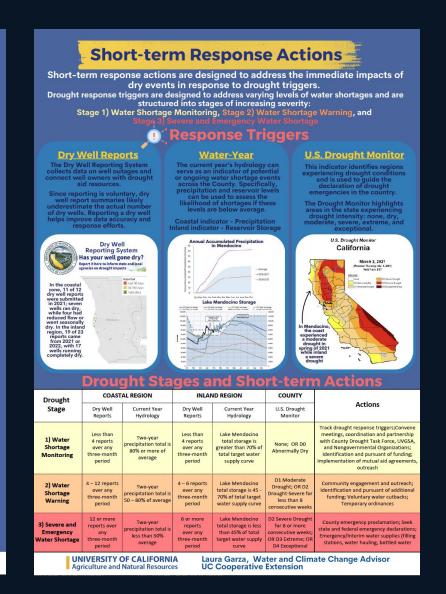


3. Emergency Regulations and Agreements In response to severe drought conditions, the County adopted emergency water conservation rules in 2014 requiring a 20% reduction in water use and use of local water shortage contingency plans. In 2020–2022, the County and City of Ukiah undertook emergency water hauling to support the water shortages in Fort Bragg and Mendocino.

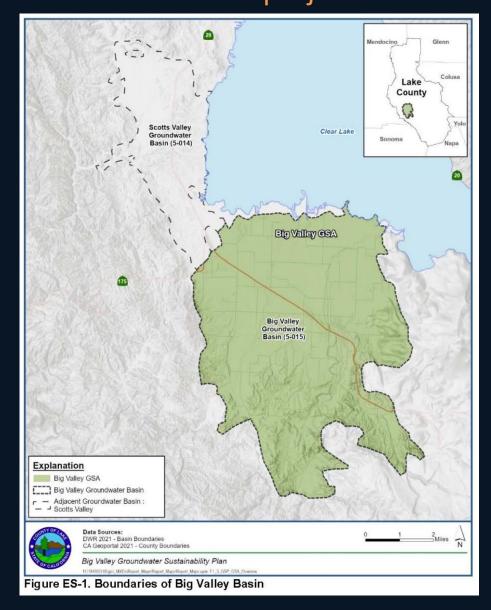
4. Water Education
Mendocino County collaborates with local agencies to develop <u>Drought and Water Conservation</u>
<u>Education initiatives</u>, providing the public with essential resources on water conservation.

UNIVERSITY OF CALIFORNIA

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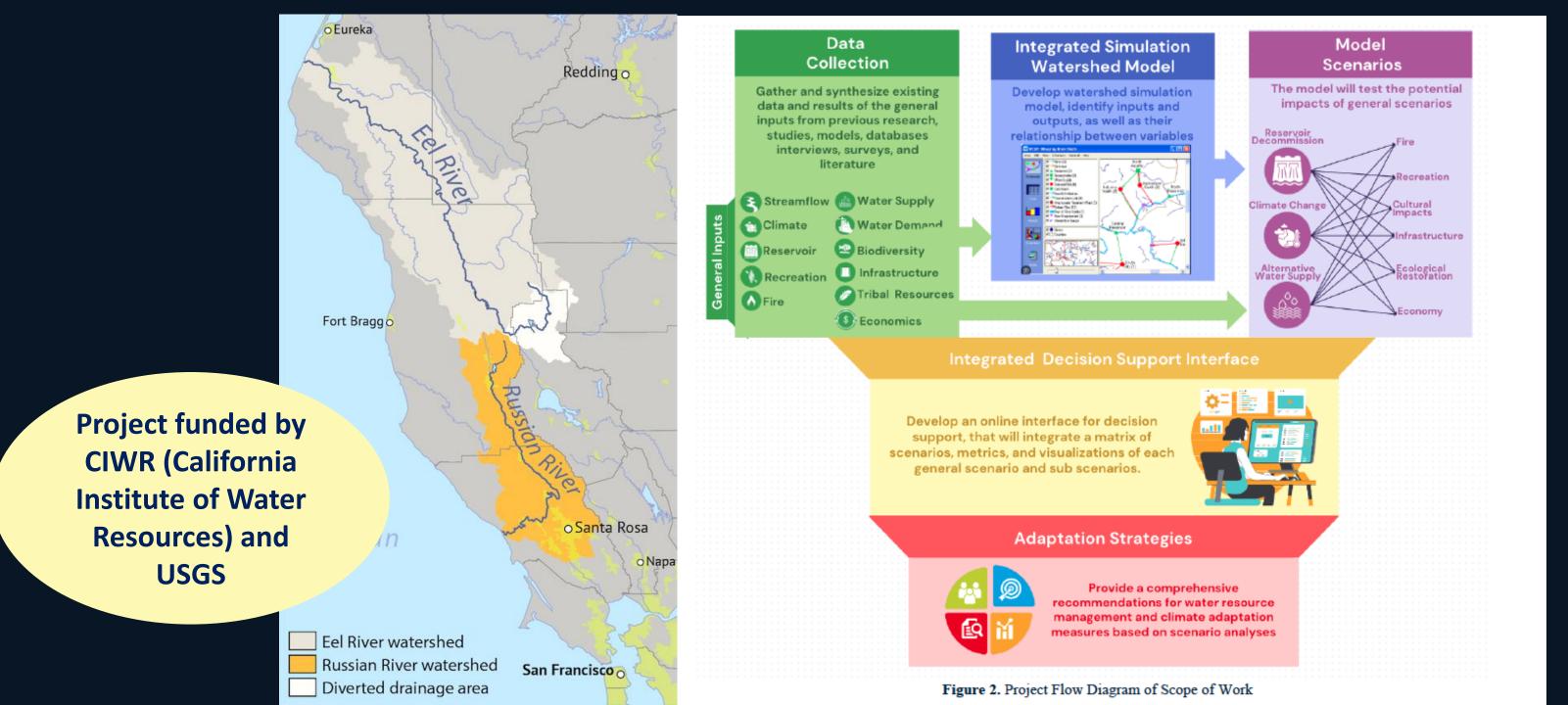


Support Big Valley GSA and Lake Water Resources on SGMA projects





Research Project: An integrated Decision Support Framework to analyze the hydrologic, environmental and social resilience of Scott Dam Removal





California Water Course

A bilingual (En/Sp) program for entry level water professionals

WELL Program Water Education for Elected Latino Leaders





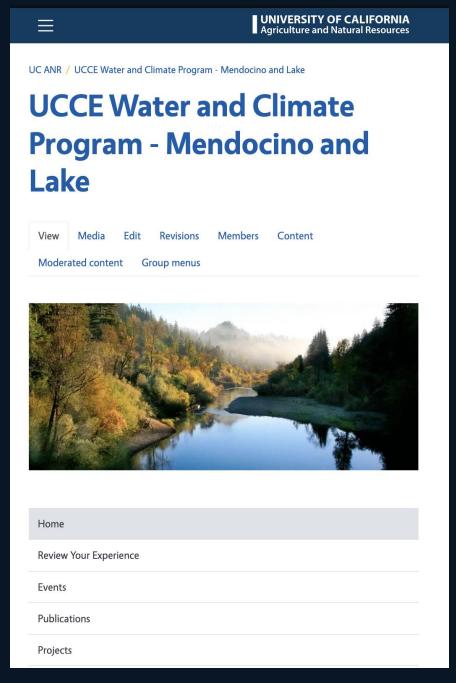
REGISTER NOW!

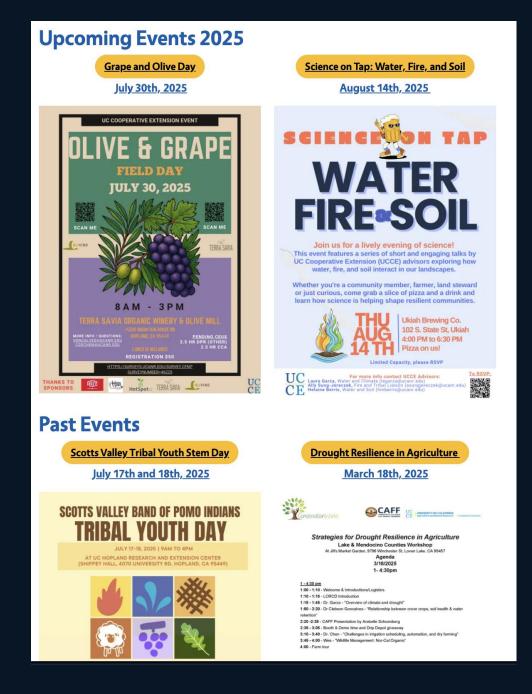


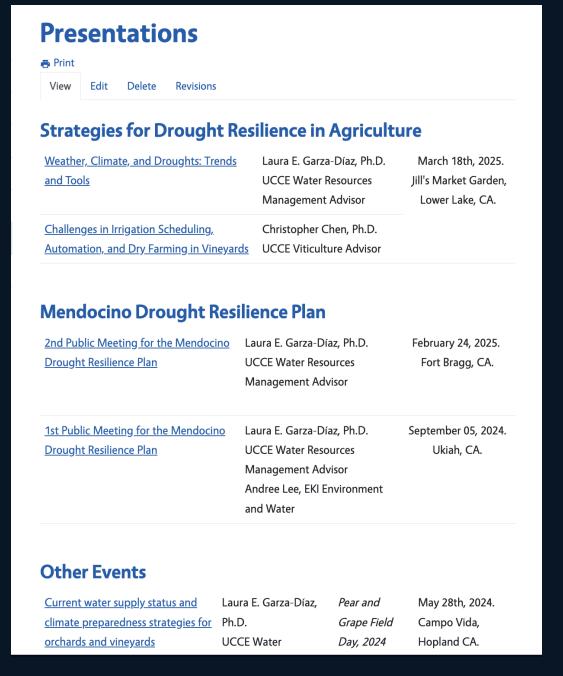
watermanagement.ucdavis.edu/californiawatercourse

Want to know more...

Visit the UCCE Water and Climate Program Website









Thank you!

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