



External Affairs Report

March 26, 2024

World Water Day

World Water Day on **March 22** raises awareness about the significance of freshwater resources, advocating for sustainable management and highlighting the 2.2 billion people lacking safe water access. Established by the United Nations in 1993.



Fix A Leak Week

March 18 through 24, 2024

Household leaks waste 1 trillion gallons of water yearly nationwide. Fix a Leak Week is on March 18–24, 2024, but you can save water and money by fixing leaks year-round.

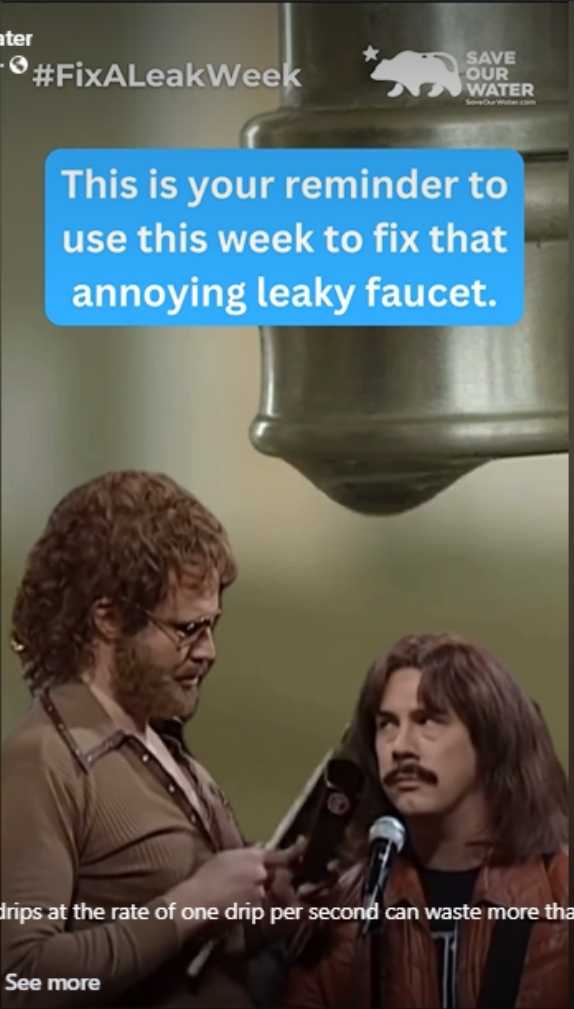
Calaveras County Water District
Published by Kelly Gerkenmeyer · 4d · 🌐

It's #FixALeakWeek! We encourage you to find and repair leaks around your home to help save water.

Save Our Water
Reels · Mar 18 · 🌐 #FixALeakWeek

SAVE OUR WATER

This is your reminder to use this week to fix that annoying leaky faucet.



A leaky faucet that drips at the rate of one drip per second can waste more than 3,000 gallons per year!
[saveourwater.com](https://www.saveourwater.com)... See more

No insights to show ⓘ

Boost unavailable

Union Public Utility District, Save Our Water and 6 others

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CA - DWR @CA_DWR · Mar 18

It's #FixALeakWeek! We encourage you to find and repair leaks around your home to help save water. We are doing our part too. Learn about some of the projects we're funding across #CA to update aging infrastructure and fix leaks [water.ca.gov/News/Blog/2024...](https://www.water.ca.gov/News/Blog/2024...)



2 3 5 884



SAVE OUR WATER

Make Conservation the California Way of Life

Simple Ways to Save Water Around the House

California is experiencing climate shifts that bring more extreme weather, swinging between flood and drought. With the wets getting wetter and the hots getting hotter, every household is being asked to continue saving water for our future.

Use the tips below to find ways to reduce your daily water usage. Adopting some simple habits into your routine can really make a big difference.

-  **Fill the bathtub halfway or less**
saves 17-25 gallons of water per bath
-  **Take 5-minute showers instead of 10-minute showers**
save 12.5 gallons per shower with a water-efficient showerhead
-  **Fix leaks**
saves 27-90 gallons of water per day
-  **Turn off water when brushing teeth or shaving**
saves 8 gallons per person each time you brush your teeth or shave
-  **Install aerators**
saves 0.7 gallons per minutes
-  **Wash full loads of clothes**
saves 15-45 gallons per load
-  **Install high-efficiency toilets**
saves 6-35 gallons per day
-  **Use a dishwasher instead of handwashing**
saves up to 24 gallons per load of dishes
-  **Recycle indoor water and use it to irrigate your garden**
cuts water use by 30%



CONSERVE WATER, RAIN OR SHINE.
Get more water saving tips at [SaveOurWater.com](https://saveourwater.com)

Make Conservation the California Way of Life

Simple Ways to Save Water in Your Yard

While California's water supply conditions have greatly improved this year following three years of historic drought, this is just a moment in time and every household is being asked to use water wisely to help adapt to a hotter, drier future.

Use the tips below to find ways to reduce your daily water footprint. Making a couple adjustments in your yard can really add up to big water savings.

-  **Use a broom or leaf blower to clean outdoor areas**
saves 6 gallons every minute you're not running the hose
-  **Set lawnmower blades to 3"**
saves 16-50 gallons per day by encouraging deeper roots
-  **Reimagine your yard with water wise plants**
Consider removing your lawn and replacing it with drought-resistant plants to save 30-60 gallons per 1,000 sq. ft. each time you water
-  **Use mulch**
saves 20-30 gallons of water per 1,000 sq. ft. each time you water
-  **Adjust sprinkler heads & fix leaks**
saves 12-15 gallons each time you water
WATER SAVING FACT:
A leak as small as a ballpoint pen tip can waste 6,300 gallons per month!
-  **Water early morning or late evening**
saves 50% of sprinkler water otherwise lost to wind and evaporation
-  **Install drip irrigation & add a smart controller**
saves 15 gallons each time you water



CONSERVE WATER, RAIN OR SHINE.
Get more water saving tips at [SaveOurWater.com](https://saveourwater.com)



Calaveras County Water District

Published by Kelly Gerkenmeyer · February 14 ·



SAVE OUR WATER

#SaveOurWater



Save Our Water

February 13 ·

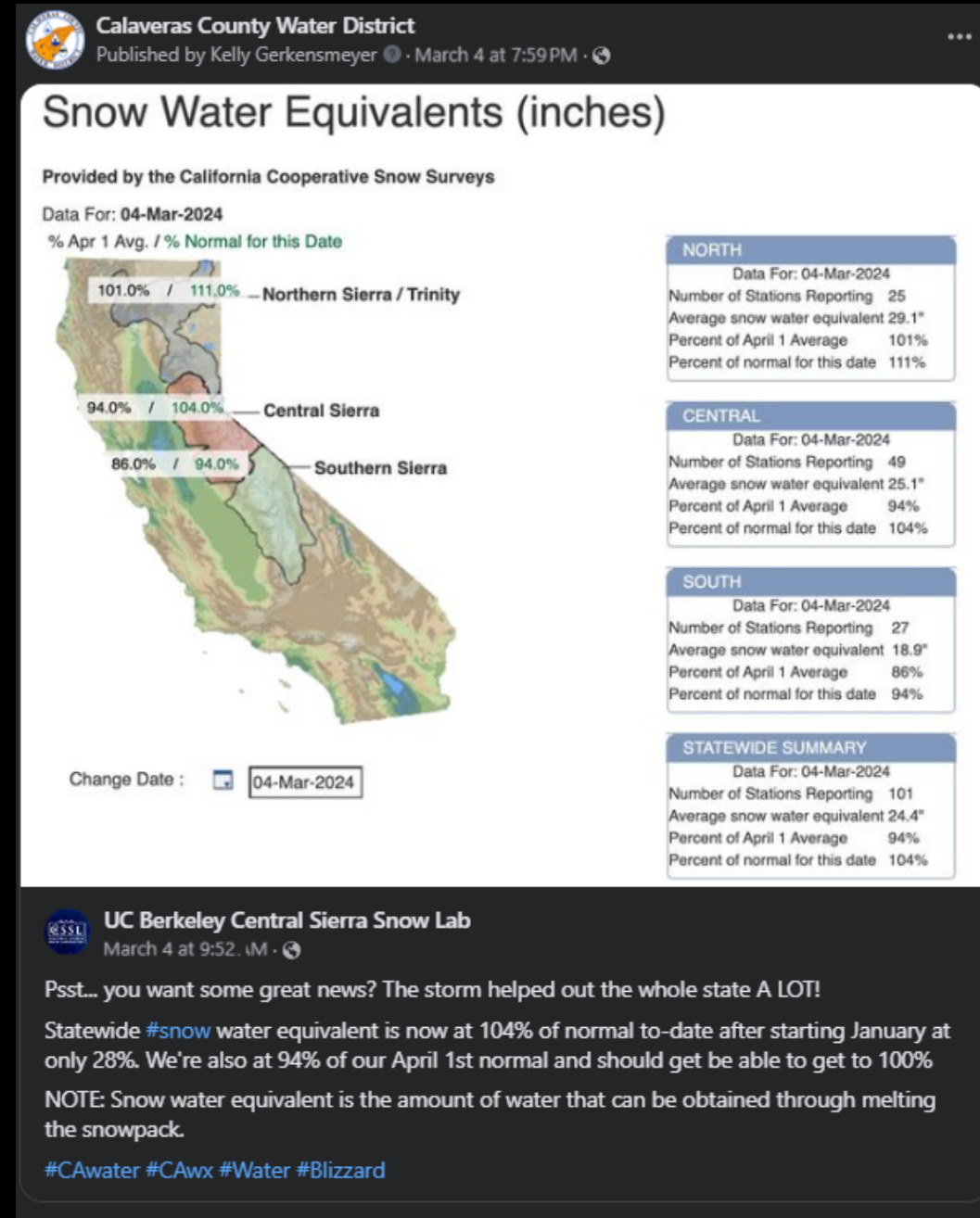
Spread the love this Valentine's Day with a bouquet of California native blooms! Find out how to choose water-wise and meaningful flowers in our latest blog post. [#ValentinesDay](https://saveourwater.com/choosing-water-wise-blooms-for-.../) [#SaveOurWater](https://saveourwater.com/choosing-water-wise-blooms-for-.../)

Check it out here: <https://saveourwater.com/choosing-water-wise-blooms-for-.../>

Snowpack Updates

UC Berkley Central Sierra Snow Lab

Located at Donner Pass in the Sierra Nevada, the Central Sierra Snow Laboratory (CSSL) is a research field station specializing in snow physics, snow hydrology, meteorology, climatology, and instrument design. CSSL is one of the best instrumented snow study sites in the world with consistent observations of a wide range of atmospheric and snowpack variables.



Built in 1946 by the U.S. Weather Bureau and Army Corps of Engineers, the snow lab has been a fundamental scientific facility for developing an understanding of snow processes for over 75 years.

Calaveras County Water District
Published by Kelly Gerkenmeyer · 4d

Amidst California's variable winters, we welcome the arrival of a substantial snowpack this season. As it melts, replenishing our reservoirs, we're committed to safeguarding our community's water needs. Embracing the challenges and opportunities of California's dynamic climate.

UC Berkeley Central Sierra Snow Lab
6d

California's 'Normal' Winter and High Snowpack Could Curb Wildfire Risk, Prevent Drought. "If these storms pan out, we could go from 100% of our April 1 average to potentially above that," Andrew Schwartz of CSSL. "We're in a good spot."

Article from Ezra Romero of [KQED](#)

KQED.ORG
California's 'Normal' Winter and High Snowpack Could Curb Wildfire Risk, Prevent Drought | KQED

No insights to show

[Boost a post](#)

Union Public Utility District and 5 others
1 share

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Calaveras County Water District

Published by Kelly Gerkenmeyer · 6d ·



The Calaveras County Water District is proud to be a member of Mountain Counties Water Resources Association (#MCWRA), whose mission is to promote statewide importance of Sierra Nevada water resources through advocacy and collaboration.

In early February 2024, the Mountain Counties Water Resources Association, also known as MCWRA, adopted new "Forest Management Principles," with the goal to solve the ongoing problem and severe effects from California's mega wildfires.

#MCWRA #water #cawater #wildfire #cawildfire #cawildfires #forestmanagement



TAHOEDAILYTRIBUNE.COM

Mountain Counties Water Resources Association adopts forest management principles to solve effects of mega wildfire

See insights and ads

Boost post

Union Public Utility District and 4 others

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Mountain Counties
WATER RESOURCES ASSOCIATION

Promote statewide importance of Sierra Nevada water resources through advocacy and collaboration.



calaveraswaterdistrict

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Ad tools



36 posts 96 followers 7 following

Calaveras Water District
The Calaveras County Water District is a not-for-profit special district.
@ www.facebook.com/calaveraswaterdistrict

239 accounts reached in the last 30 days. View insights



New

POSTS

REELS

SAVED

TAGGED



CAREERS

CALLS

EMPLOYERS

APPLY AT WWW.CCWD.ORG

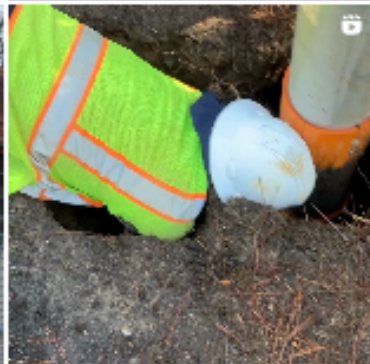
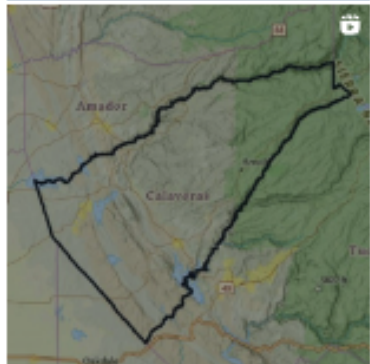
We're hiring!

Information Systems Tech I/II

Hourly Pay Range \$28.88 - \$38.84

- Experience in government and/or utility environment preferred
- Minimum 2 years experience in information technology

APPLY AT WWW.CCWD.ORG



BOARD OF DIRECTORS MEETING

NEW BUSINESS

WEDNESDAY January 17, 2024
START AT 10:00am

WWW.CCWD.ORG

Happy Customer Service Appreciation Day!

January 17, 2024

WWW.CCWD.ORG

WE'RE HIRING

- Drill Engineer (D-001)
- Water Resources Specialist
- Accountant II

WWW.CCWD.ORG

TANK B & CLEARWELL PROJECT

Construction Updates

January 18, 2024

WWW.CCWD.ORG

EXTERNAL RELATIONS COMMITTEE

New Business

January 4 1:00 pm

WWW.CCWD.ORG

ATCAA

Funding for the L-HWAP Program in Calaveras County was just re-upped to **\$15,000**

This program is significant value for CCWD customers.

Please reach out directly to ATCAA to see if you qualify for assistance.

ATCAA



Calaveras County Water District

Published by Kelly Gerkenmeyer · February 28 at 12:40 PM ·

CCWD recently completed a Hazard Mitigation project which included replacing 6 Redwood water tanks with 5 glass-lined steel tanks. Although our redwood tanks are a beautiful and historic component of our Ebbetts Pass community, they are at risk of burning in wildfires and have also reached their lifespan for efficiently storing water. These new tanks will protect the community's potable water facilities. This project was funded through the Federal Emergency Management Agency'... See more



See insights and ads

Boost post

34

7 comments 13 shares

We're hiring!

Information Systems Tech I/II

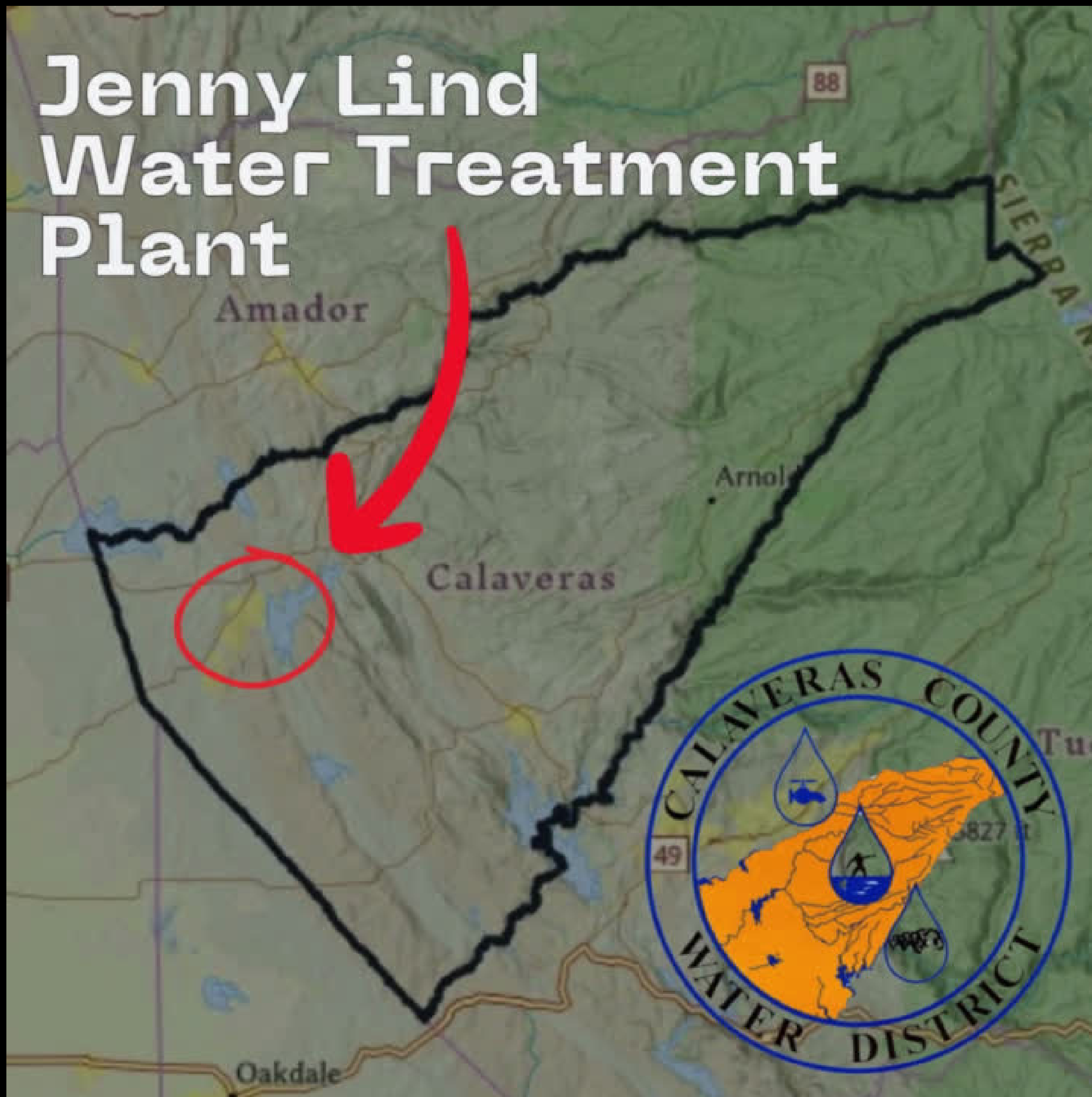
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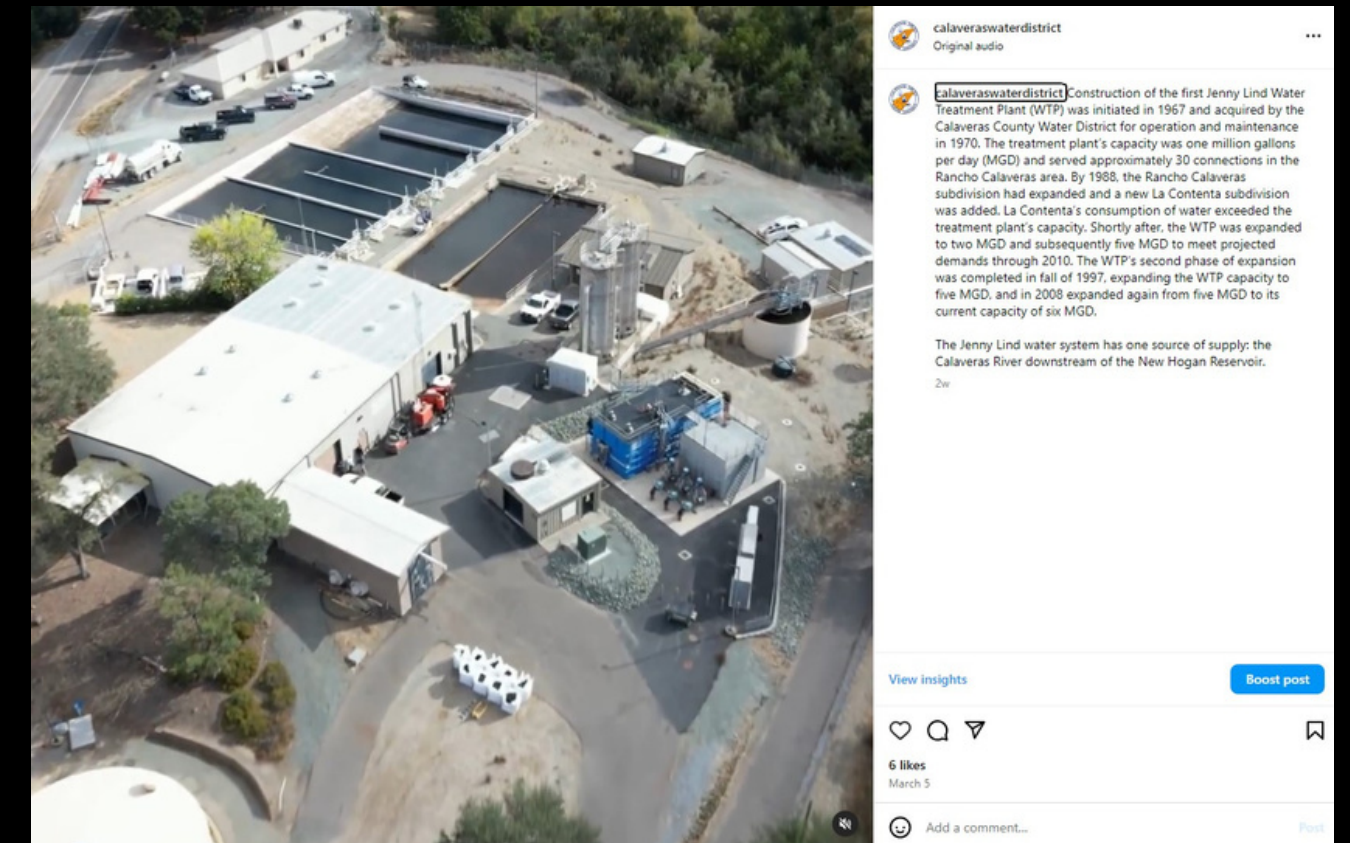
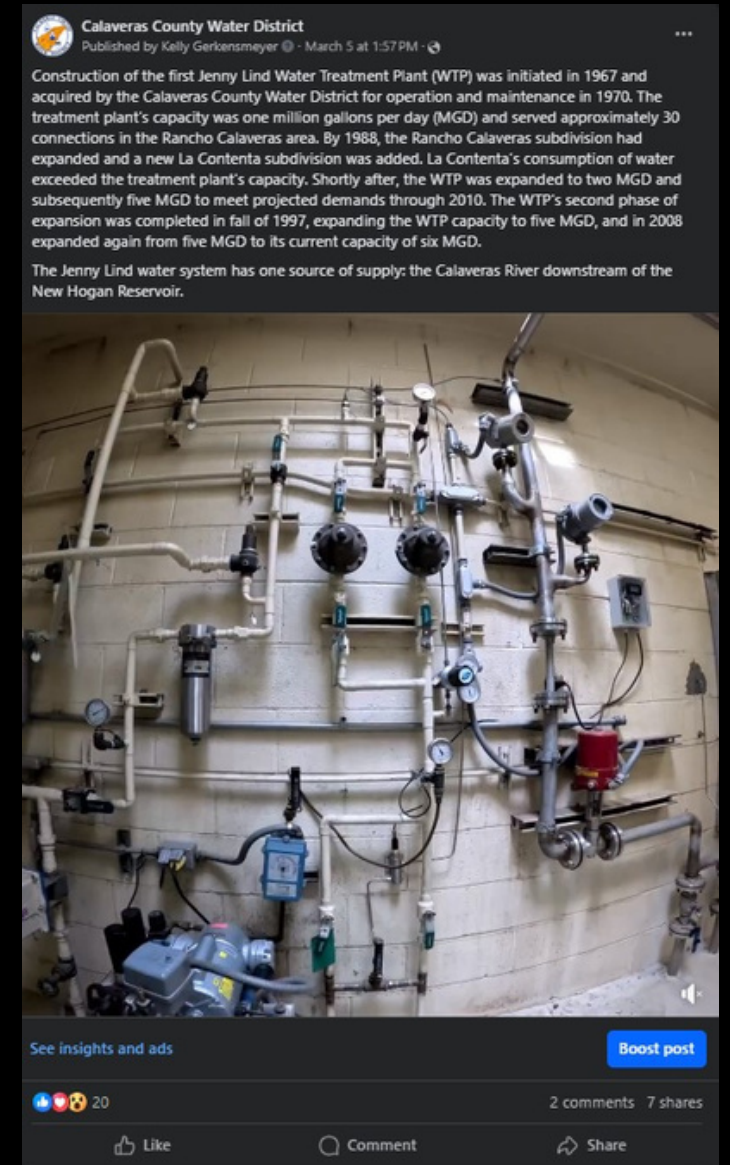
APPLY AT WWW.CCWD.ORG



Jenny Lind Water Treatment Plant



Jenny Lind Water Treatment Plant





Calaveras County Water District

External Affairs Manager Kelly Gerkenmeyer • 15 Mar

The Calaveras County Water District (CCWD) awards construction contract for the A-B Transmission Pipeline and the replacement of the service lines to D.A. Wood

See more...

JENNY LIND A - B TRANSMISSION PIPELINE
CIP #11088

OVERVIEW
The Jenny Lind Water System Tank A-B Transmission Pipeline Project is in Rancho Calaveras near Valley Springs in western Calaveras County, CA. An existing 8-inch diameter pipe installed in 1970 currently provides both water transmission and distribution between Tank A and B along the route. The existing 8" pipe is undersized to provide adequate water supply from Tank A to B and there is damaging pressure fluctuation in this line.

ISSUES
The existing bottleneck between Tank A and Tank B is well known. There isn't a dedicated transmission main between Tank A and Tank B, which causes several issues:

- Insufficient transmission capacity during periods of high-water demand.
- Demands between Tank A and Tank B cause the pumping capacity of the pump station causing the water to drain faster than it can fill.
- The size of the pipelines conveying water from Tank A to Tank B is too small to transmit the required flow, which means greater pressure must be applied, causing greater friction losses.
- The pipeline hydraulic behavior becomes erratic during high pressures, high flows and high velocities causing surges that burst service laterals, damage water mains, and cause leaks.
- Because that the transmission and distribution system cannot be separated from the service system, the service pressures cannot be optimized, which has triggered a considerable number of customer complaints about excessive service pressures in some cases claims for property damage to homes.

BENEFITS
The project consists of construction of a new transmission main from the Tank A pump station to Tank B, approximately 20,000-ft in length.

SYSTEM IMPROVEMENTS

- Optimize service pressures
- Fire flow reliability
- Distribution system redundancy
- Water age and disinfection byproducts improvement
- Decrease in pressure related service line failure
- Reduce wear and tear on the system
- Improved overall water supply reliability



Calaveras County Water District

External Affairs Manager Kelly Gerkenmeyer • 15 Mar

The Calaveras County Water District (CCWD) awards construction contract for the A-B Transmission Pipeline and the replacement of the service lines to D.A. Wood Construction for a total contract amount of \$10,750,268.00. This project is being funded by the Water CIP loan issued June 1, 2022, and CIP funds.

The Jenny Lind Water System Tank A-B Transmission Pipeline Project is in Rancho Calaveras near Valley Springs in western Calaveras County, CA. An existing 8-inch diameter pipe installed in 1970 currently provides both water transmission and distribution between Tank A and B along the route. The existing 8" pipe is undersized to provide adequate water supply from Tank A to B and there is damaging pressure fluctuation in this line.

The project consists of furnishing and installing approximately 20,000 feet of 12-inch and 14-inch diameter ductile iron pipeline for a dedicated transmission pipeline between existing Tanks A and B. The new pipeline will operate at pressures up to 205 psi and have fully mechanically restrained joints. In addition, this project includes five pressure reducing stations, air relief valves, gate valves, and other appurtenances. The project requires modifying the Tank A pump station outlet piping and Tank B inlet and outlet piping arrangements. The existing 8" water main will be maintained as a low-pressure distribution main upon completion of this project.

The alignment starts at Tank A on Heinemann Dr, continues south along Hartvickson Lane, Baldwin Street, and Usher Drive before ending at Tank B along Wind River Drive. The replacement pipeline will be placed within the existing pavement section of the County Road right-of-way. The additive bid item will remove and replace 210 service lines along the new transmission main alignment.

CCWD advertised and publicly bid the project for a period of 84 days and held a bid opening on February 8, 2024. A total of twelve bids were received, D.A. Woods of Oakdale, CA being the apparent low bidder.

Project

- Overview
- History
- Maps

A-B

Project Outreach

Posted to Subscribers of Calaveras County Water District

8 - 9,292 Impression

Like 6 Comments Share



JENNY LIND A - B TRANSMISSION LINE

CIP #11088

OVERVIEW

The Jenny Lind Water System serves approximately 3,900 connections in the communities of Jenny Lind, Rancho Calaveras, and La Contenta located in western Calaveras County along State Route 26. The original Rancho Calaveras water system was developed in the early 1970's and included an 8-inch transmission/distribution main along Hartvickson Lane and Baldwin Street to supply Tank B. In 1991, a new water plant was constructed. Tanks A and B were replaced, and a new 16-inch transmission line was constructed to supply Tank A from the water treatment plant, and a pump station at the Tank A site to supply and fill Tank B. The original 8-inch main along Hartvickson Lane and Baldwin Street was not replaced during the 1991 system improvements.



ISSUES

The existing bottleneck between Tank A and Tank B is well known. There isn't a dedicated transmission main between Tank A and Tank B, which causes several issues.

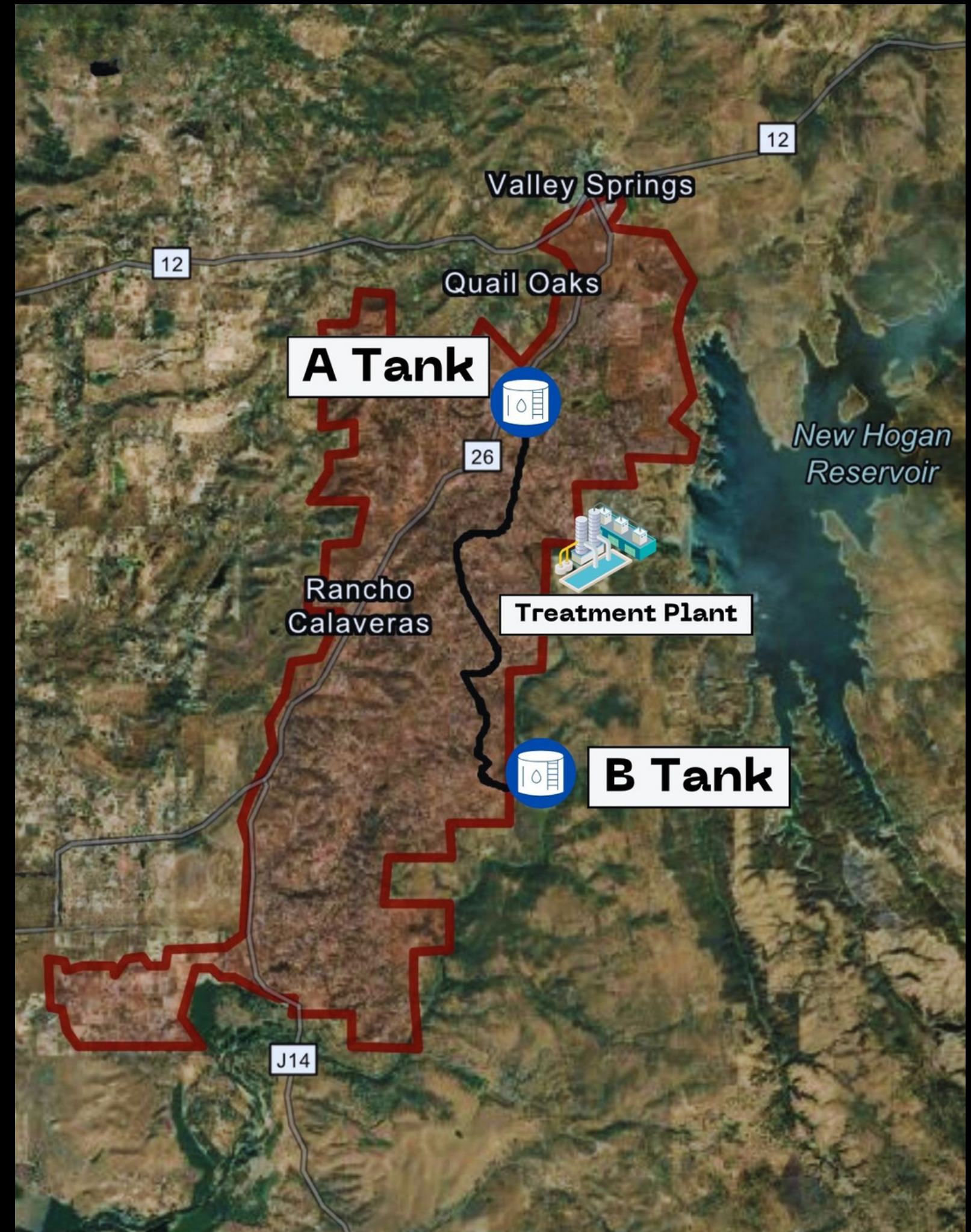
- Insufficient transmission capacity during heat waves and periods of high-water demand.
- Demands between Tank A and Tank B can exceed the pumping capacity of the pump station causing the tank to drain faster than it can fill.
- The size of the pipelines conveying water from Tank A to Tank B is too small to transmit the required flow rate which means greater pressure must be applied to overcome friction losses.
- The pipeline hydraulic behavior becomes erratic at high pressures, high flows and high velocities causing pressure surges that burst service laterals, damage water mains and cause leaks.
- Because that the transmission and distribution functions of the water system cannot be separated with the existing system, the service pressures cannot be controlled or optimized, which has triggered a considerable number of customer complaints about excessive service pressures and in some cases claims for property damage to individual homes.

BENEFITS

The project consists of construction of a new, dedicated transmission main from the Tank A pump station to Tank B approximately 20,000-ft in length.

SYSTEM IMPROVEMENTS

- Optimize service pressures
- Fire flow reliability
- Distribution system redundancy
- Water age and disinfection byproducts improvement
- Decrease in pressure related service line failures
- Reduce wear and tear on the system
- Improved overall water supply reliability





BARET WAARTE

UNION HIGH SCHOOL

Career Fair

April 17, 2024



High school seniors from both Bret Harte and Calaveras High Schools get a taste of adult life during the Annual **"On the Right Track"** program sponsored by the Calaveras Chamber of Commerce.



April 11
Bret Harte High School
April 18
Calaveras High School



UNLOCK YOUR CAREER IN THE WATER AND WASTEWATER INDUSTRY

Are you ready to make a splash in your career? Join **Calaveras County Water District** in the vital field of water and wastewater management, where every drop counts and every effort makes a difference!



WHY CHOOSE A CAREER IN WATER AND WASTEWATER?

Impact - Play a crucial role in safeguarding public health and protecting the environment by ensuring safe and clean water for our community.

Stability - Enjoy a stable and recession-resistant career with growing demand worldwide for skilled professionals in water and wastewater management.

Variety - Experience diverse opportunities in a dynamic industry, from water treatment and distribution to wastewater collection and treatment.

Innovation - Be at the forefront of technological advancements, shaping the future of water and wastewater management with cutting-edge solutions.

INFORMATION

Water Treatment & Distribution Operator



Wastewater Operator



Sacramento State Operator Training Course

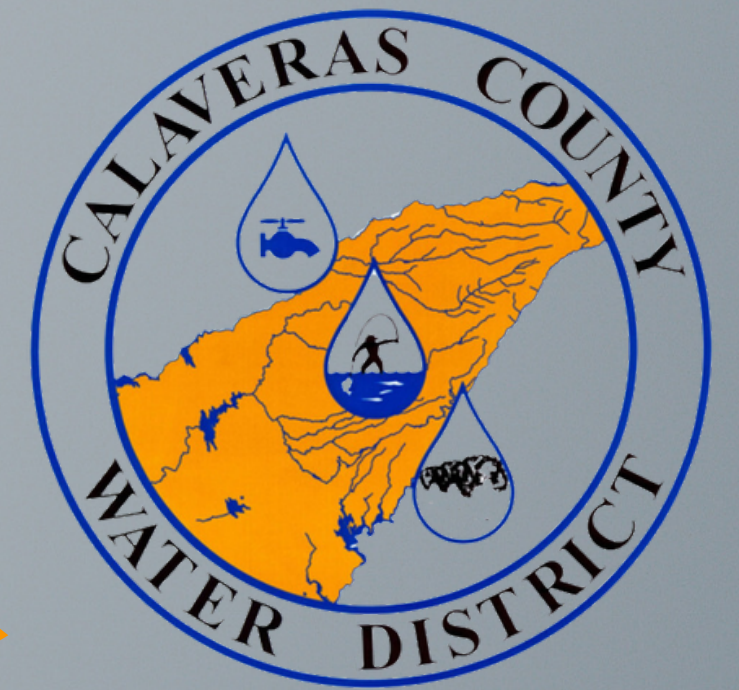


Encourage & Educate about careers in the Water & Wastewater Industry



SACRAMENTO STATE
Office of Water Programs

"The Value of Water" High School Scholarships



**Four \$500
Scholarships**

**Graciously
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EBMUD**





Upper Mokelumne River Watershed Authority

Support for Upper Mokelumne River Watershed Authority's (UMRWA) Wildlife Conservation Board Grant Application for two Forest Project Plans. (Phase 1 & Phase 2)

These projects advance UMRWA's collaborative partnership with the United States Forest Service and the Amador Calaveras Consensus Group.

Both proposed projects leverage USFS, CALFIRE, and Sierra Nevada Conservancy's block grant funding to plan and implement critical fuels treatment projects that reduce wildfire risk and protect and restore the health of the Upper Mokelumne River watershed.

Phase 1

Treat an additional 2,220 acres to bring the total treated area to 8,965 acres. 35% of the 25,671 acres of the project area.

Phase 2

Environmental Planning project will support the completion of planning, permitting and environmental documentation that are necessary to implement forest health projects within a 247,000-acre+ area of at-risk National Forest System lands.

Forest Projects Plan (FPP), Phase 1

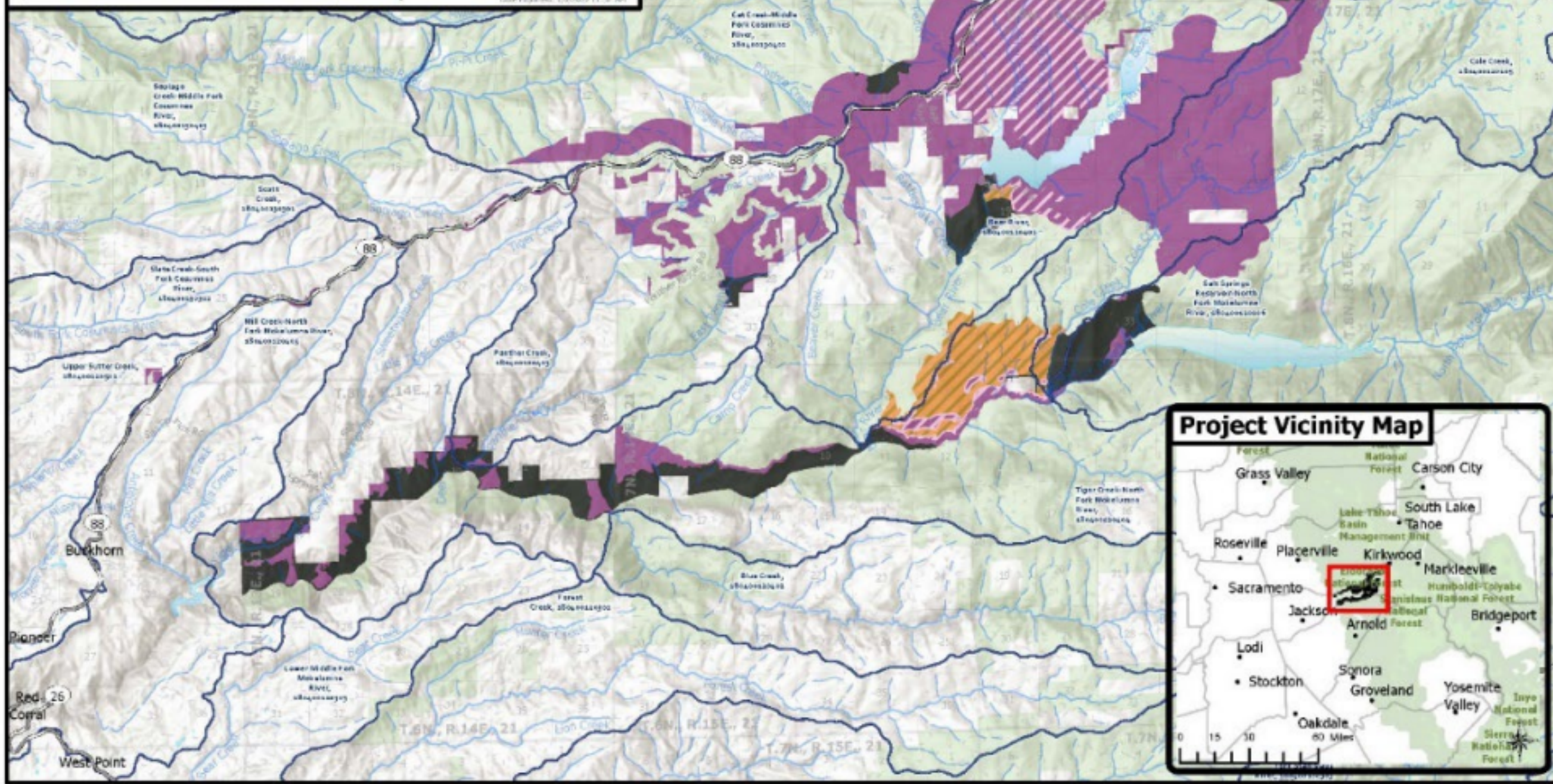
Eldorado National Forest -- Amador Ranger District

Map 1. Project Area



Legend

- Aspen Restoration
 - Aspen Restoration, Prescribed Burning
 - Hand Thinning Only
 - Mechanical Fuels Reduction
 - Mechanical Fuels Reduction, Prescribed Burning
 - Prescribed Burning
 - National Forest
 - Non-National Forest
 - HUC12 subwatershed
 - Perennial stream
 - Intermittent stream
 - Waterbody
 - Highway
- Scale: 1:150,000
LANDMARK ENVIRONMENTAL
Date Printed: 05/08/19 11:57 AM



Treatment Activity

Mechanical Fuels Reduction

14,537

Mechanical Fuels Reduction Plus Prescribed Burning

4,715

Prescribed Burning

1,888

Aspen Restoration

172

Aspen Restoration Plus Prescribed Burning

22

Hand Thinning Only

4,337

Total Acreage

25,671



Upper Mokelumne River Watershed Authority

Support for US Forest Service (USFS)/Upper Mokelumne River Watershed Authority's (UMRWA) CalFire Forest Health Research Program Grant Application.

The proposed project is for the development and implementation of a long-term monitoring effort for a landscape-scale forest health and ecosystem resilience project in the central Sierra Nevada.

If funded, this monitoring effort would provide critical information to address treatment effectiveness, co-benefits and other effects. It would also be used to guide follow-up maintenance actions for the USFS and UMRWA. There are no comprehensive monitoring effort at this scale currently under way and this project would serve as a template for the other large landscape forest health projects currently being developed.





Reducing Fire Impact With Sustainable Forestry: How B...



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BURNBOT

Watch on  YouTube



Thank you!