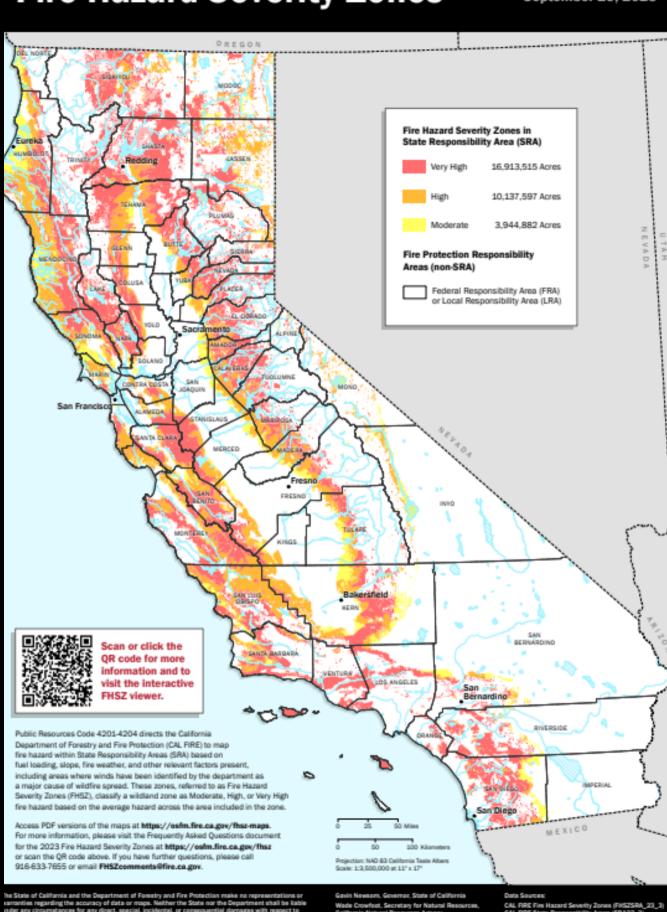


Over 2 MILLON (approx. 1 in 4) California households are located within high or very high fire hazard severity zones.



### State Responsibility Area Fire Hazard Severity Zones

September 29, 2023



## California Fire Severity Zones

Very High

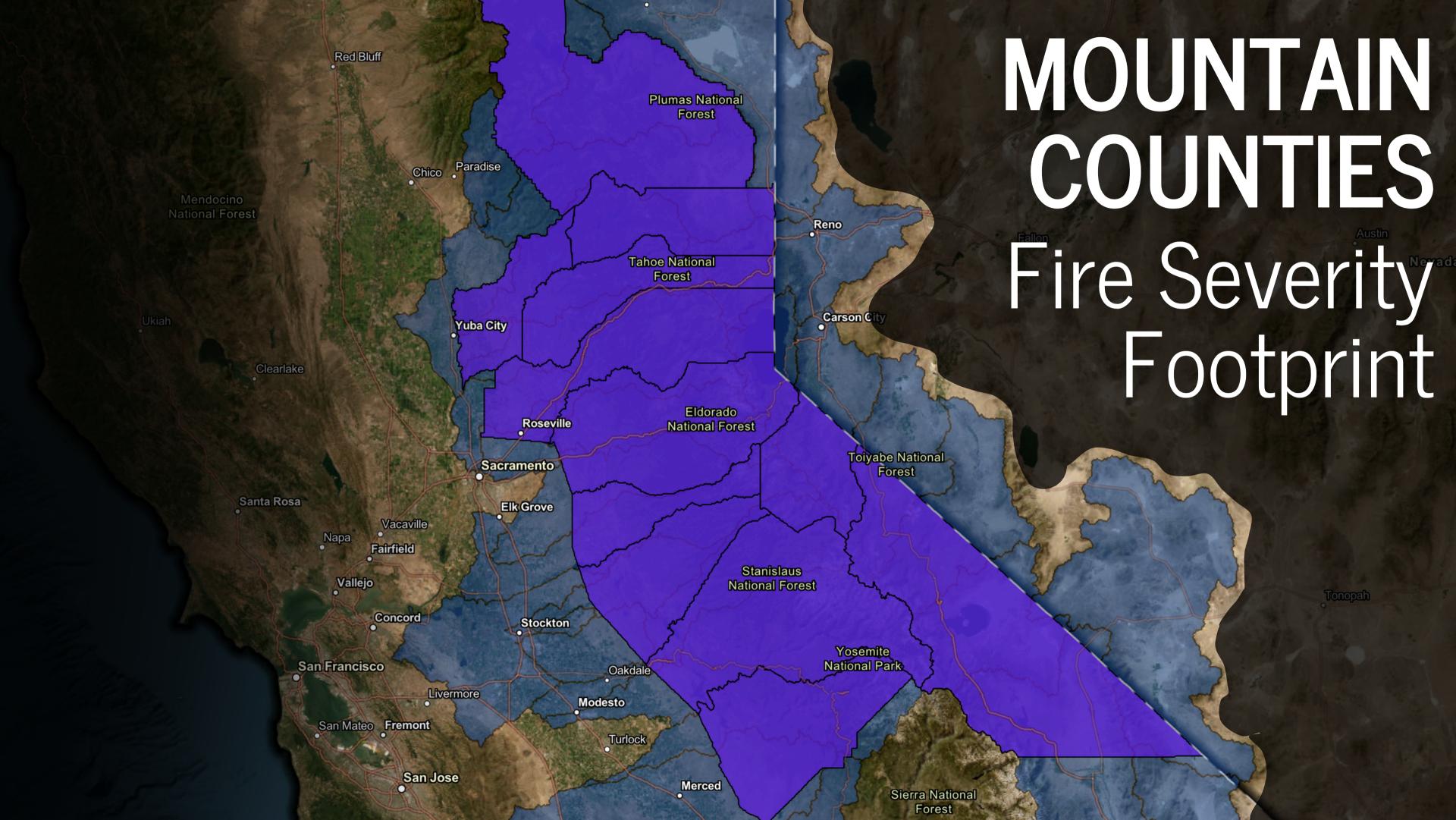
High

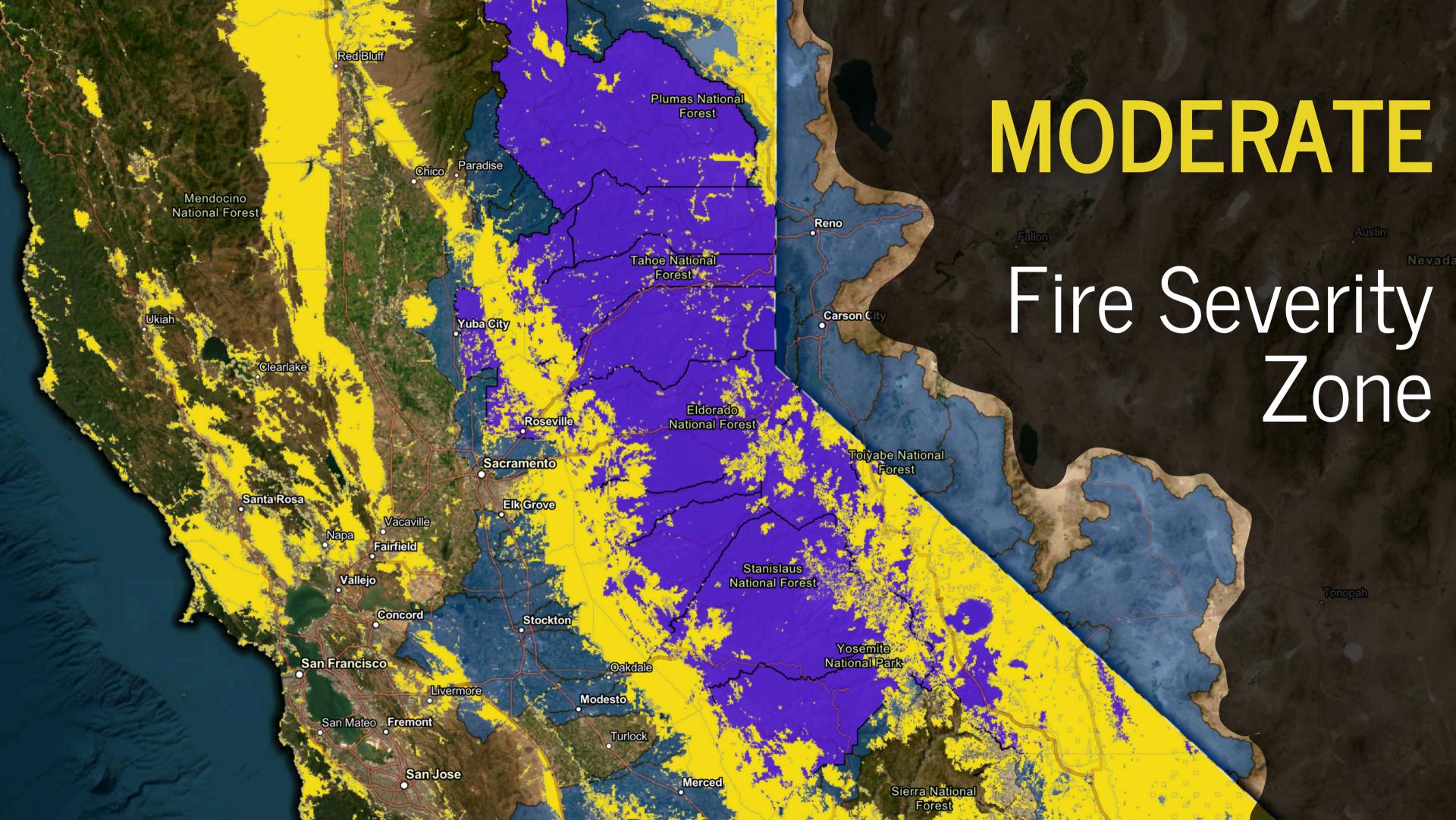
Moderate

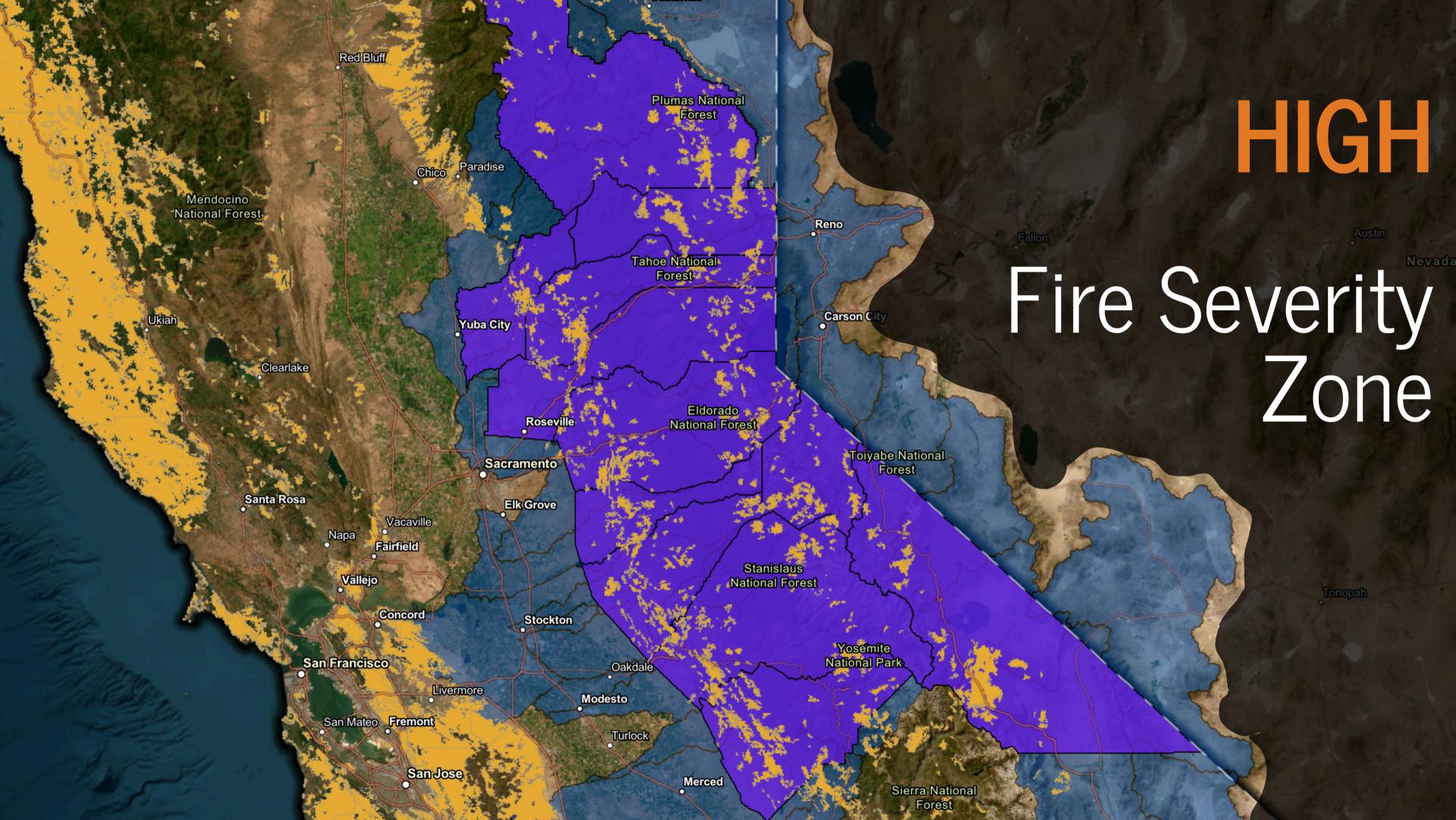
16,913,515 Acres

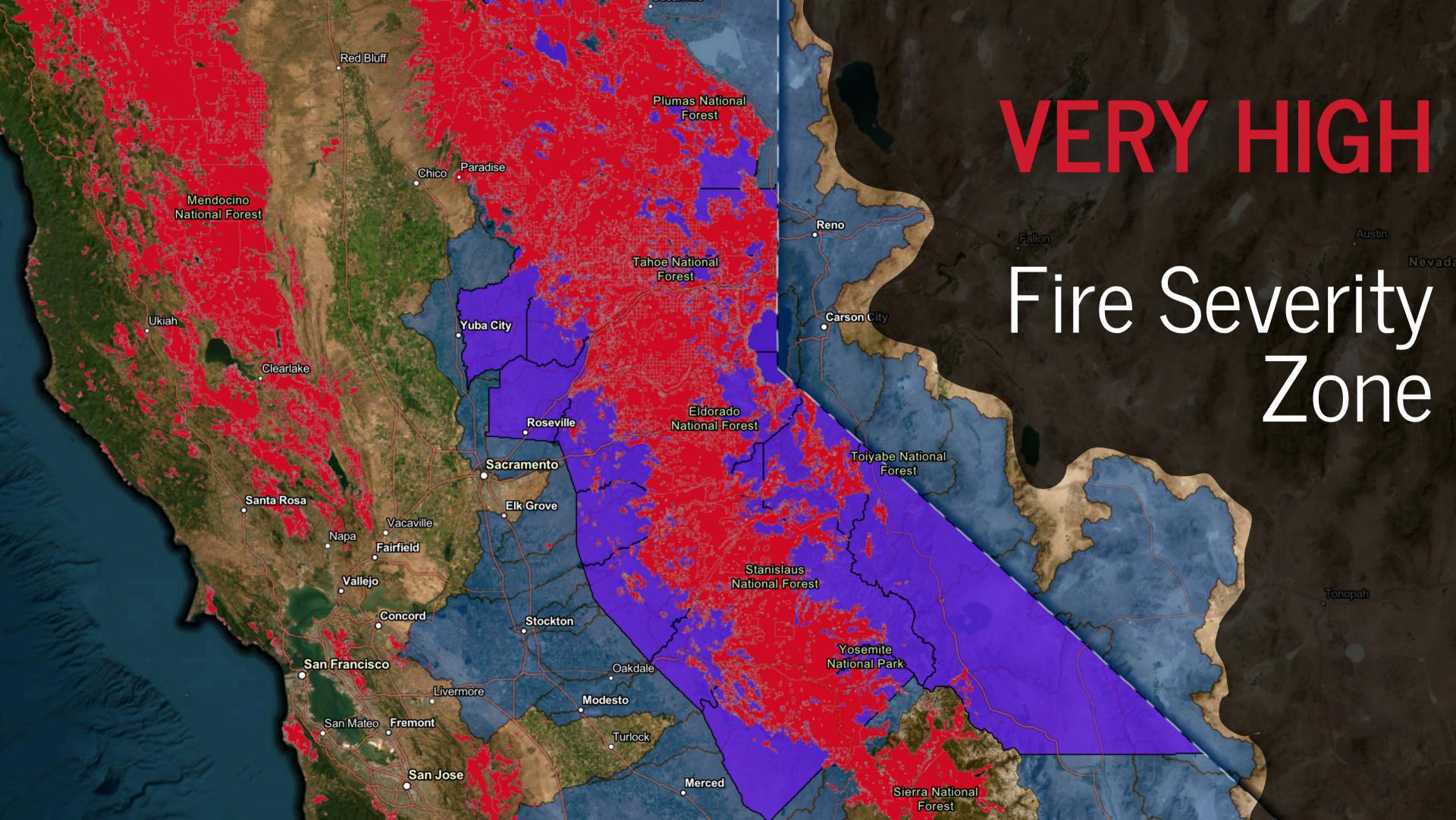
10,137,597 Acres

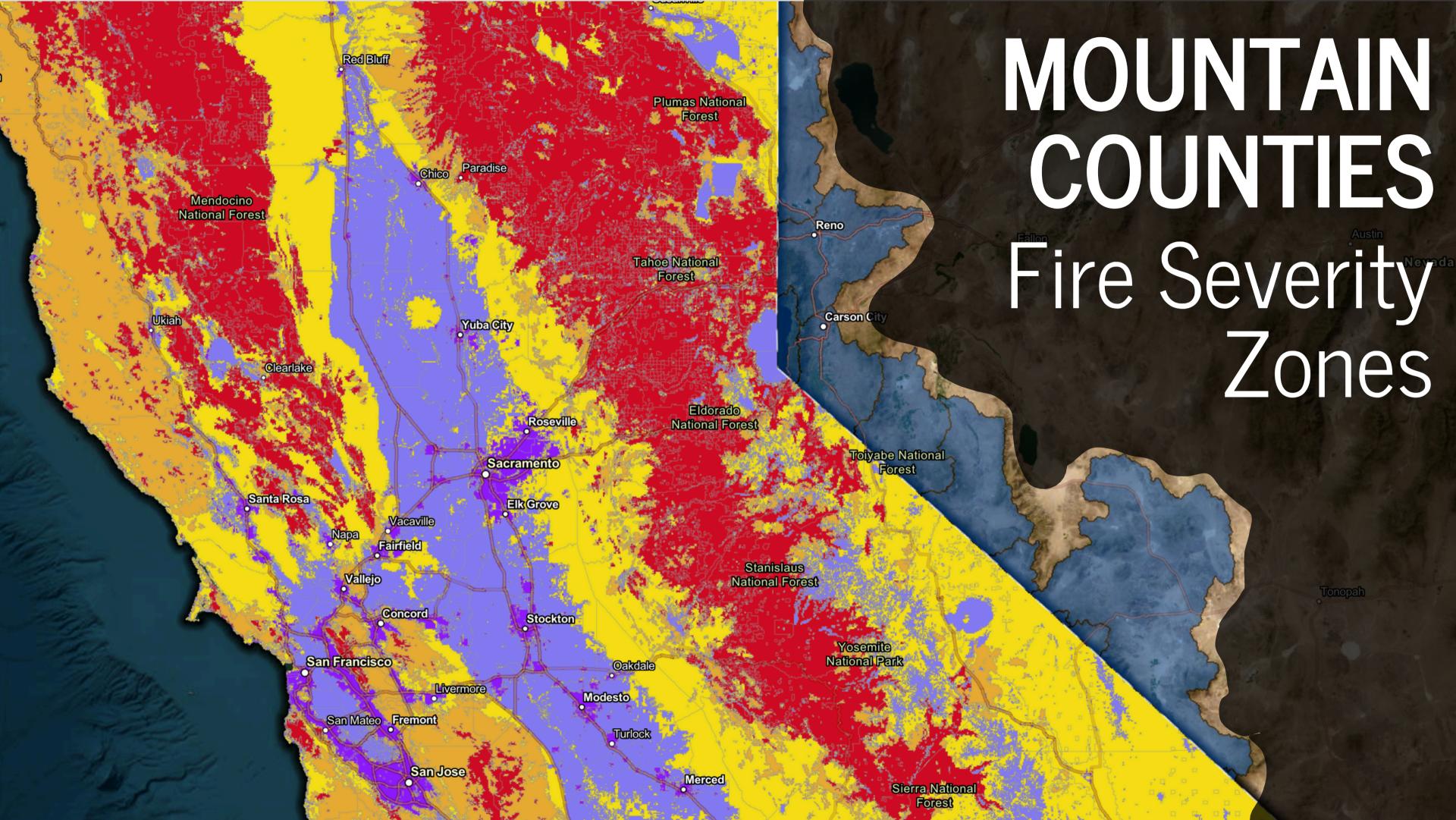
3,944,882 Acres











# Wildland Urban Interface



## WUI Challenges:

#### Fire Risk Management

- Vulnerable water infrastructure
- Ensuring water access for firefighting

#### **Water Quality**

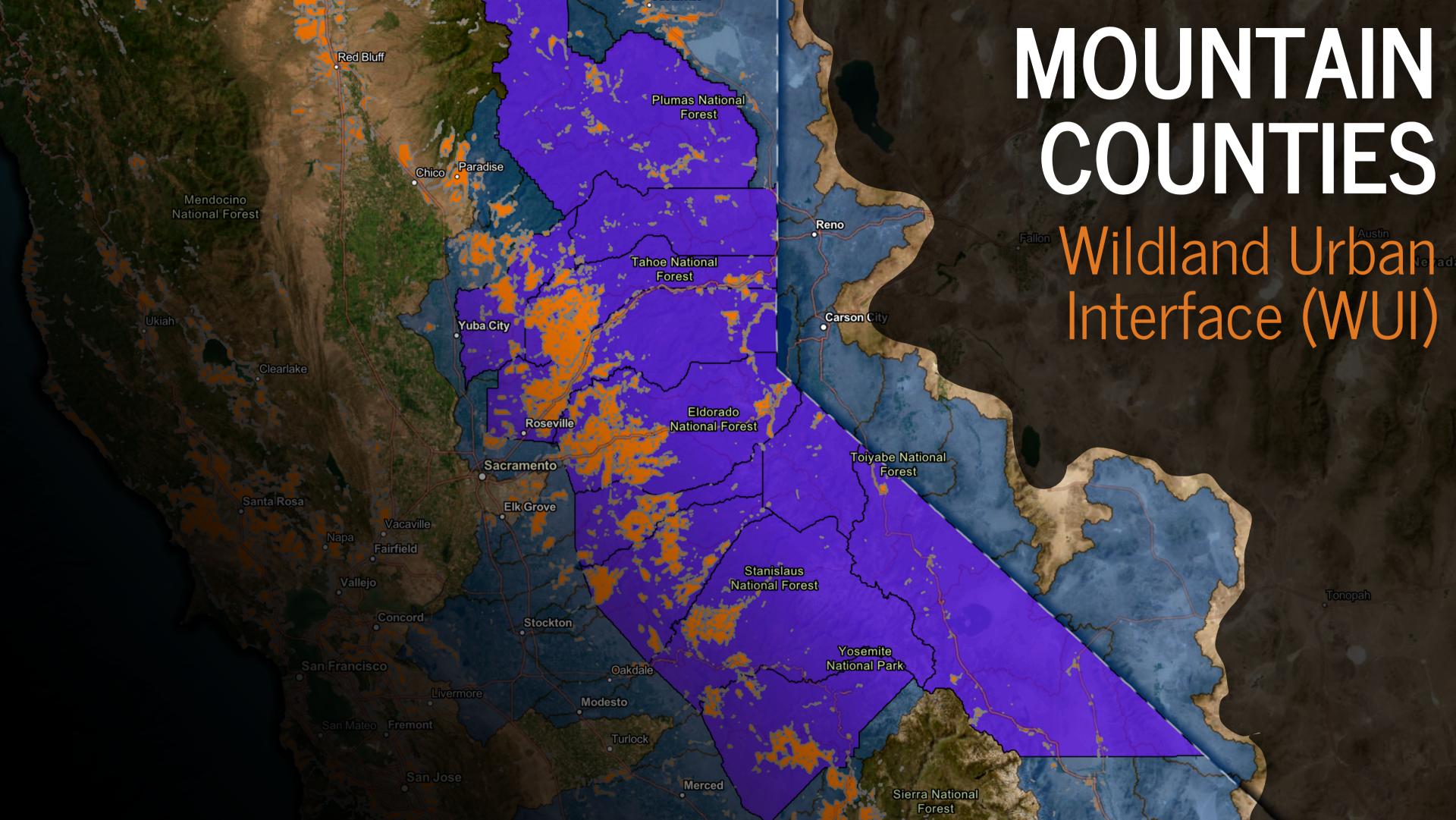
- Contamination from ash, debris, fire retardants
- Treatment challenges

#### Supply Reliability

- Infrastructure resilience
- Backup systems for power and supply

#### **Emergency Response**

- Coordination with fire services
- Community planning

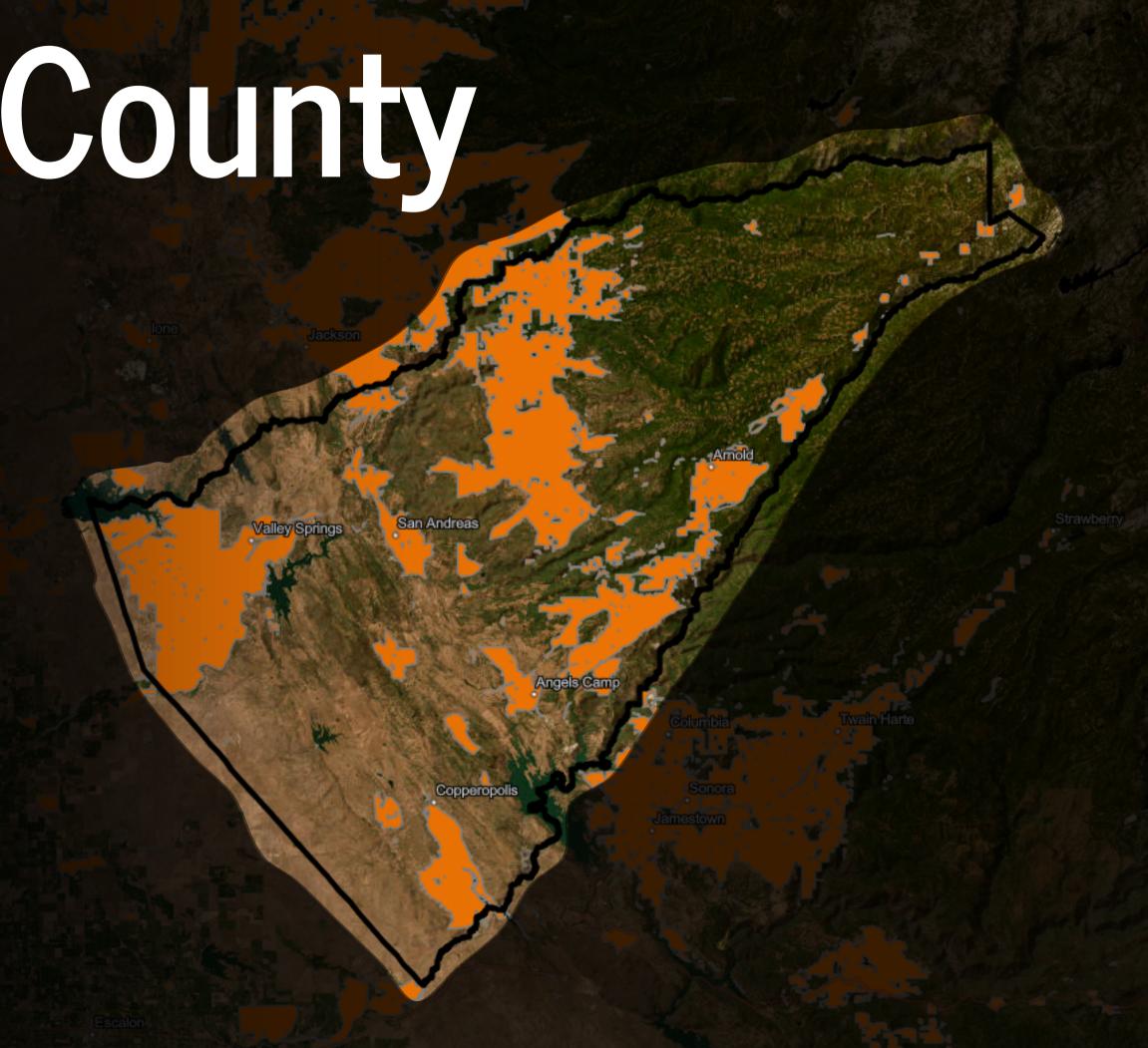


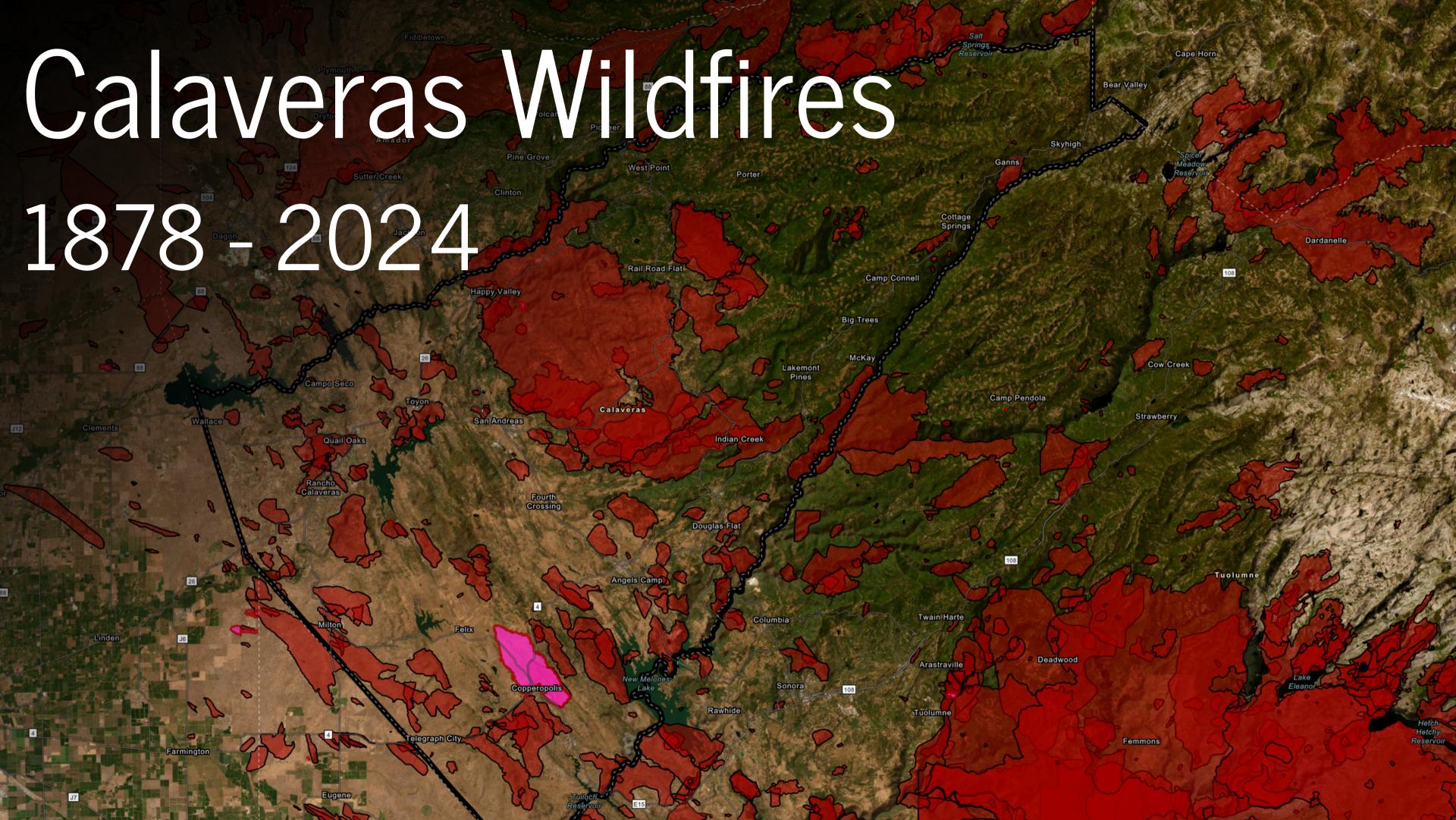
Calaveras County

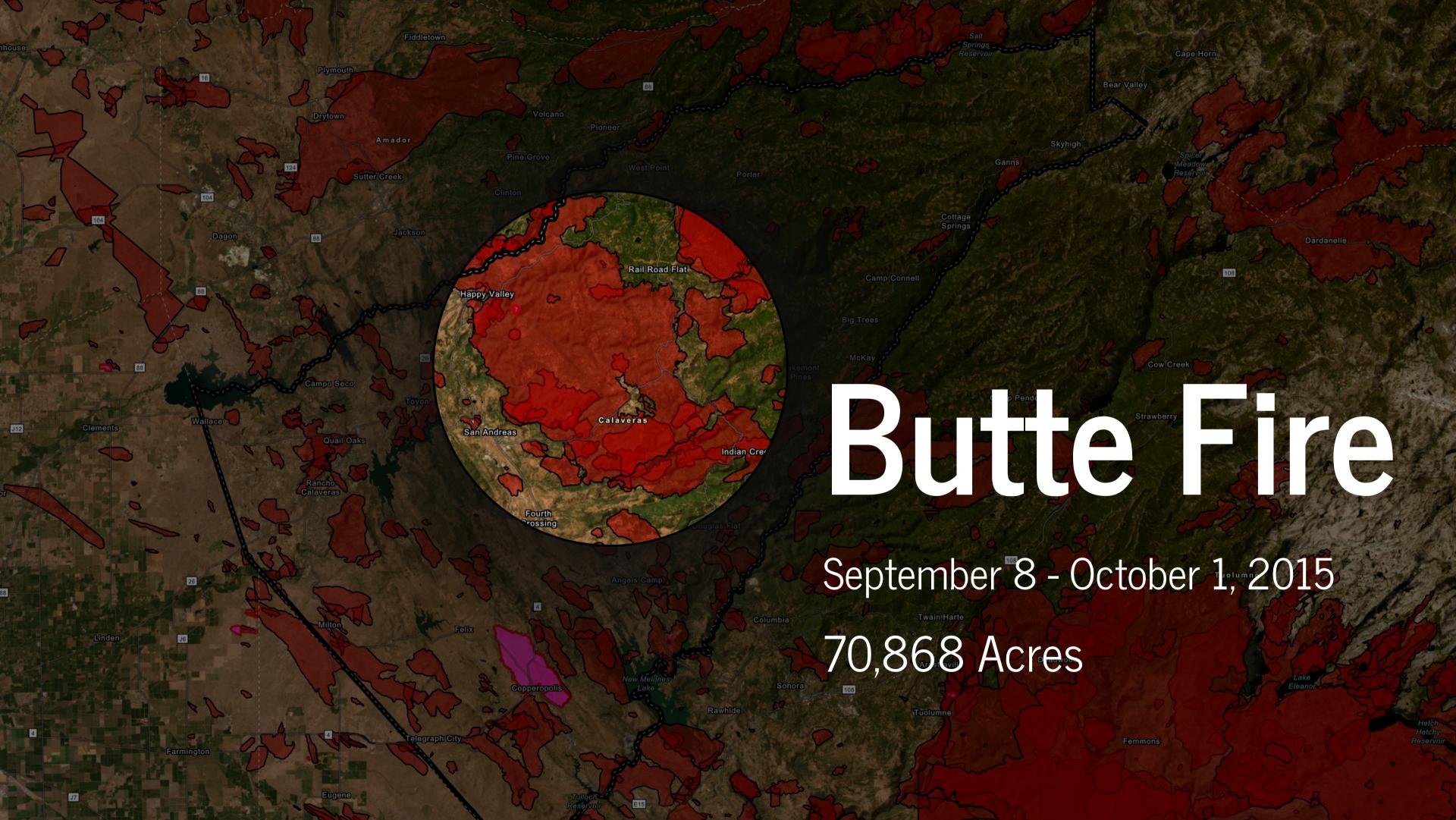
Wildland

Urban

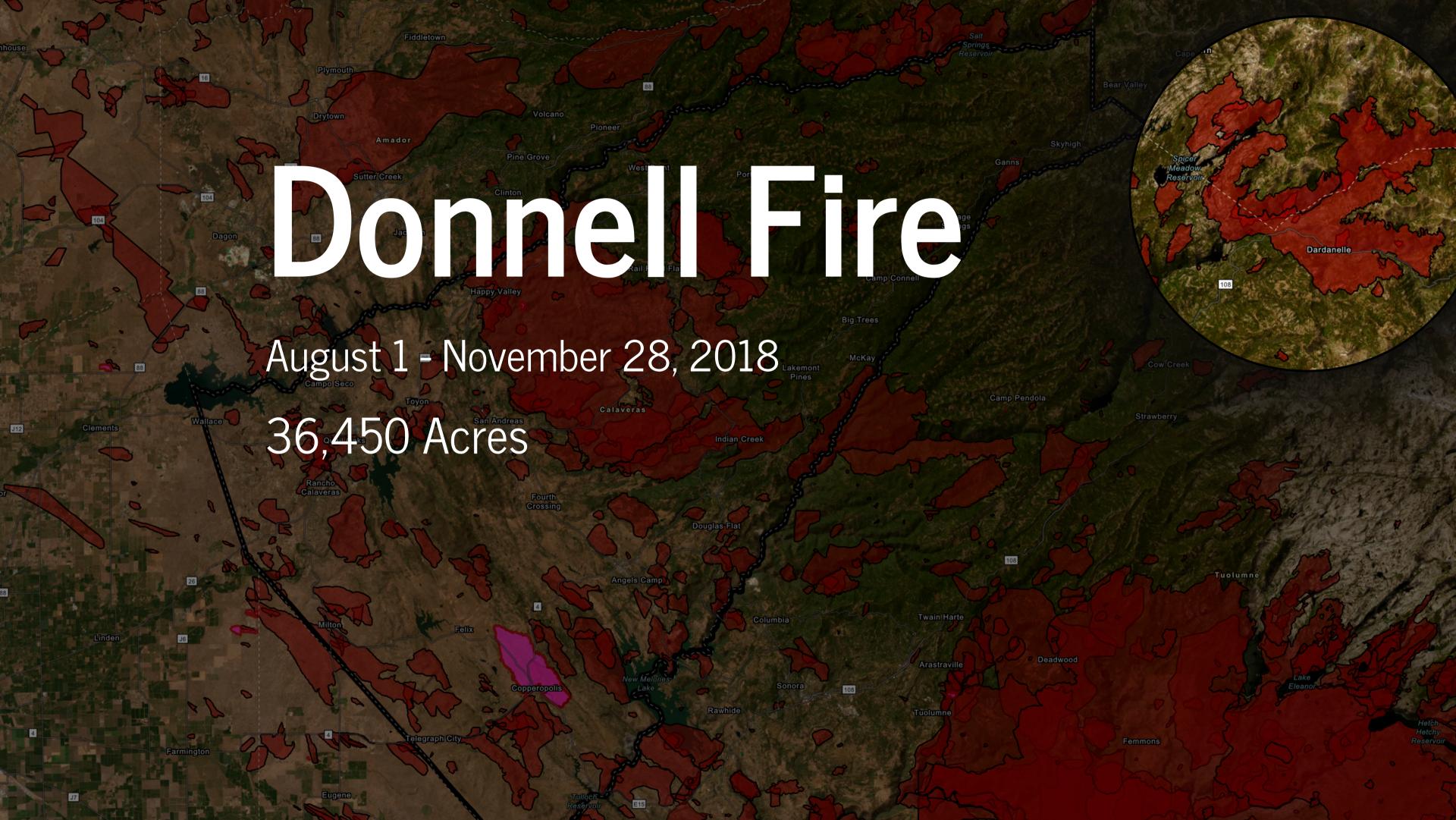
nterface



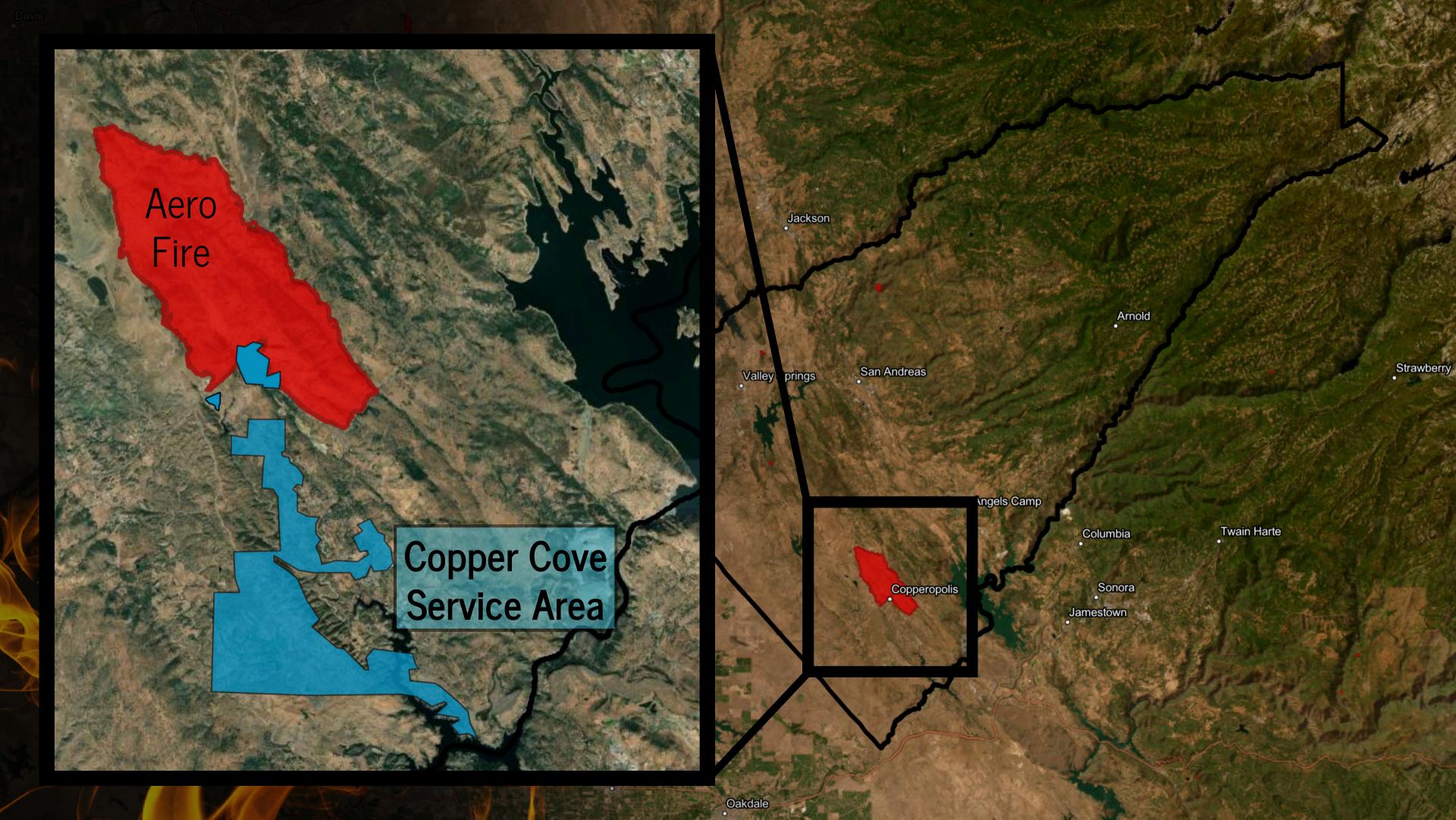


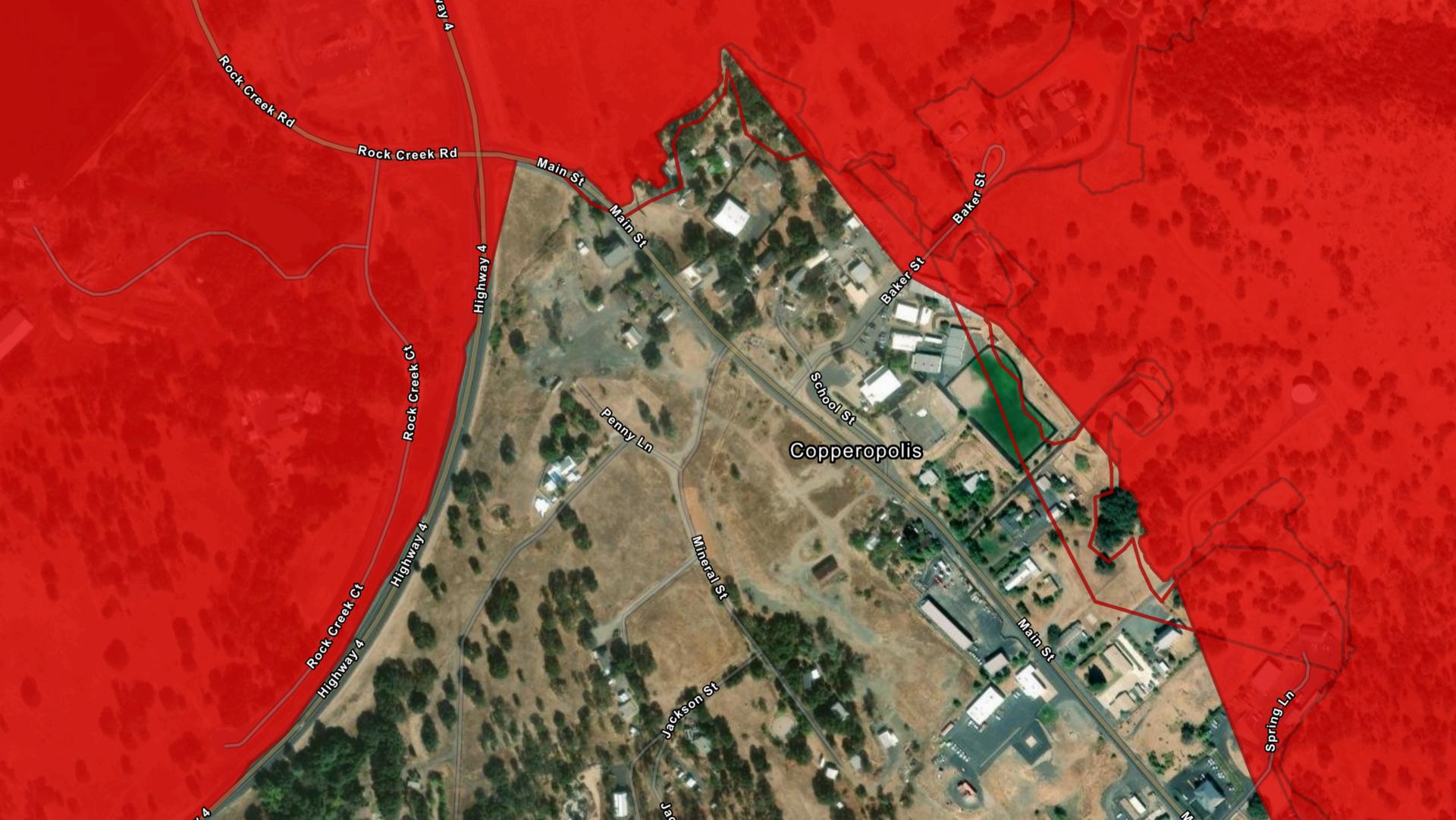


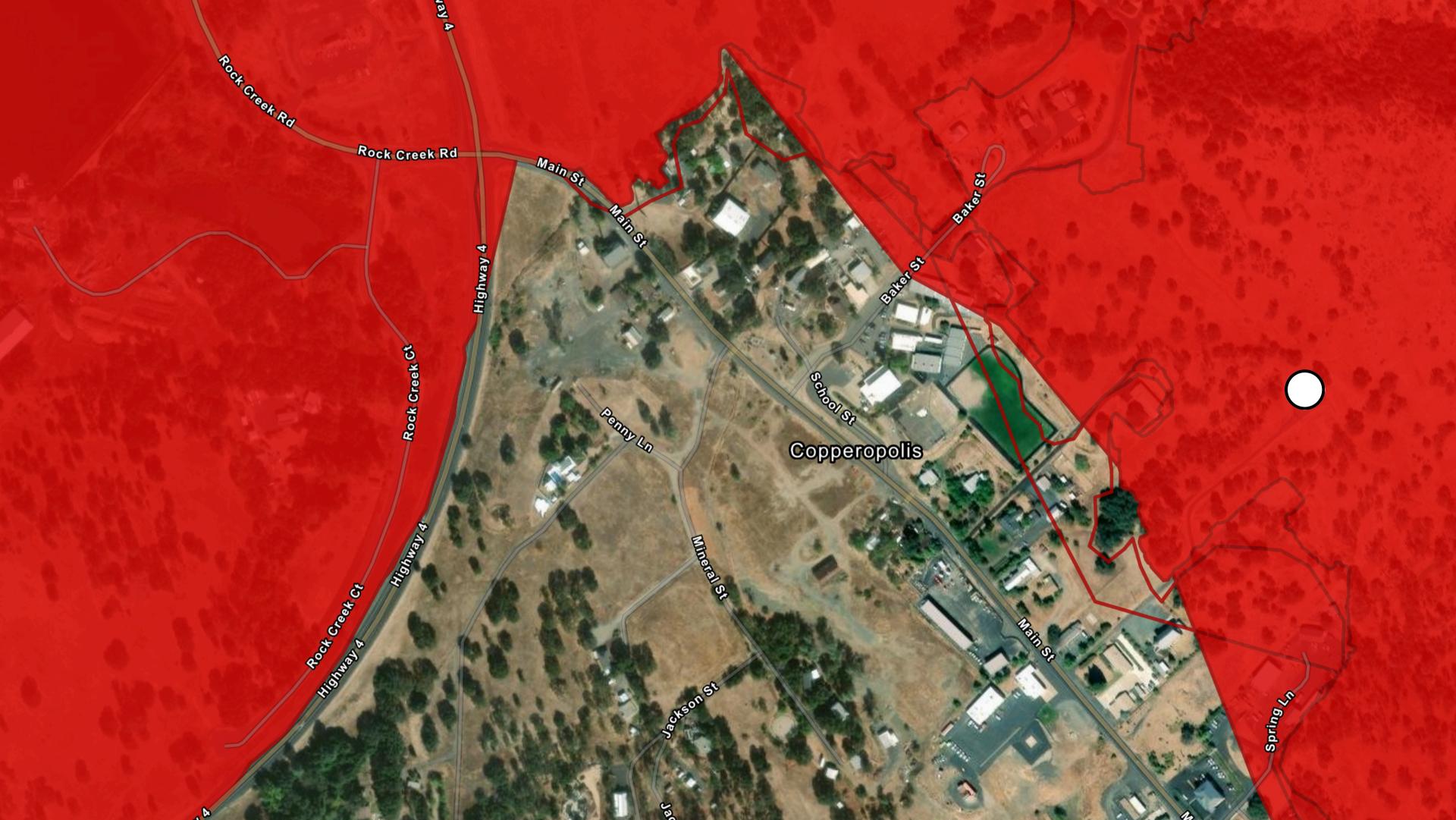
















## SB1088

Office of Emergency Services:

State Matching Funds:

Water System Infrastructure

Improvements

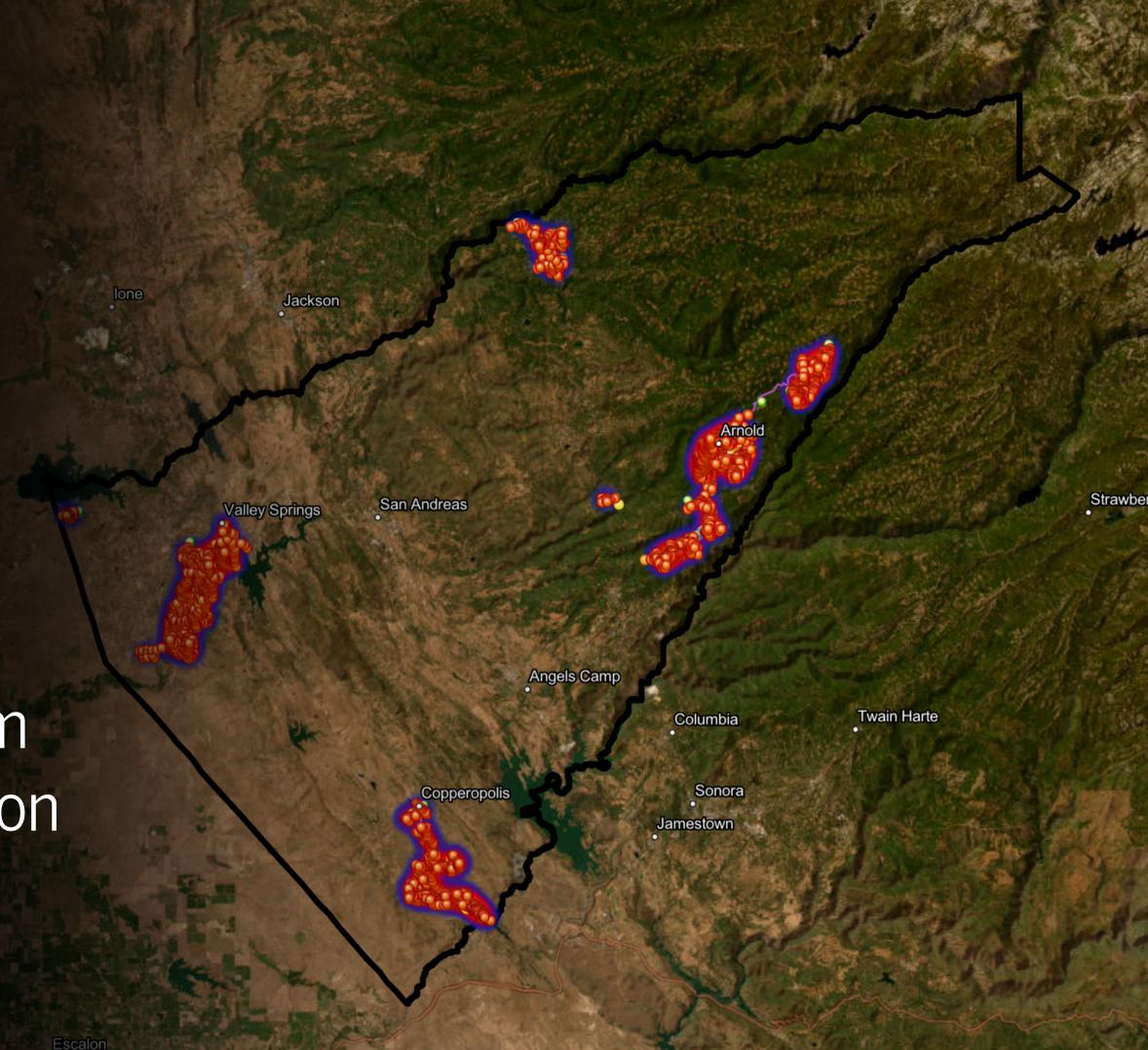


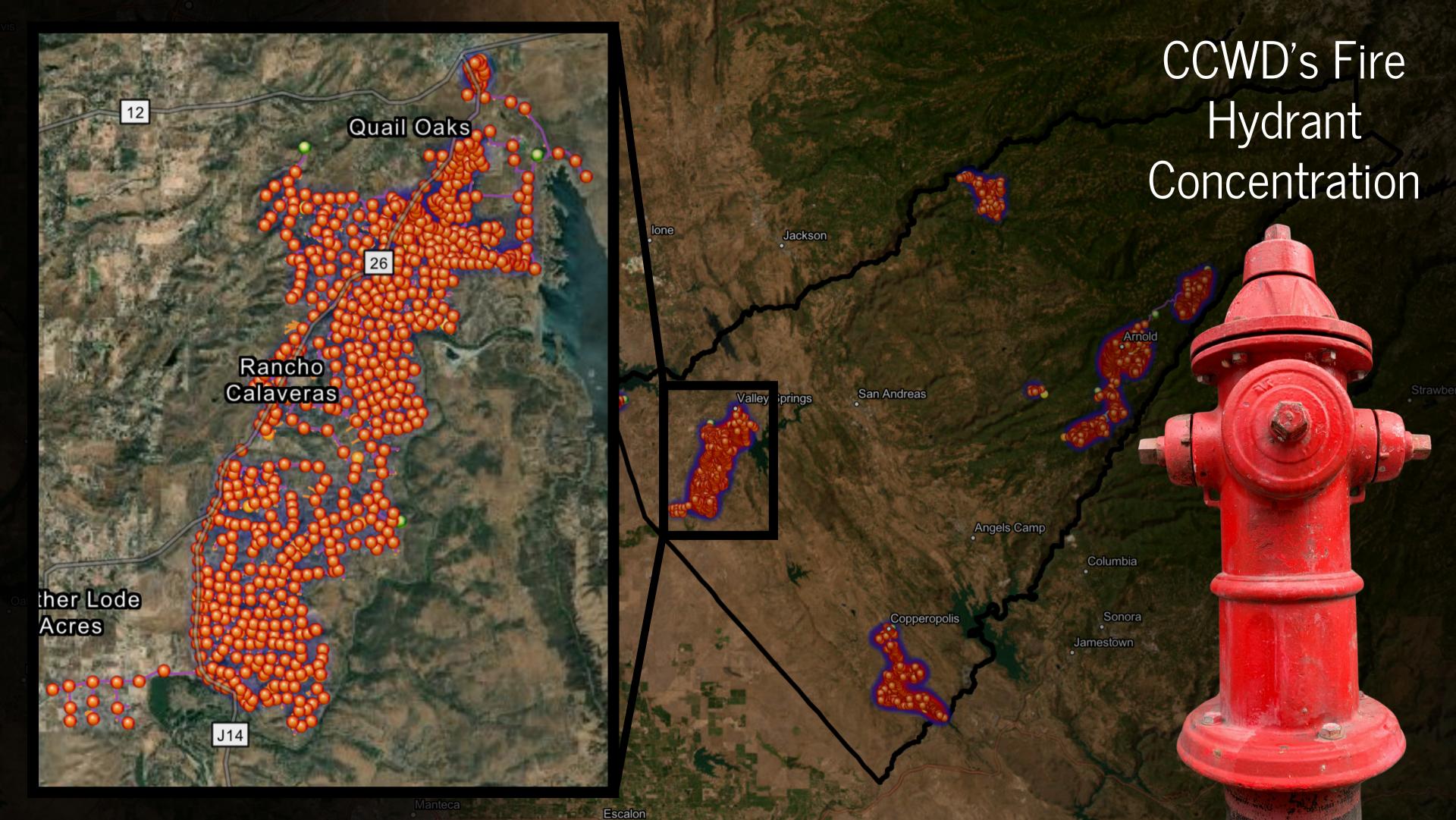
## SB 1088 aims to:

Upgrade and upsize waterlines.

Install additional fire hydrants.

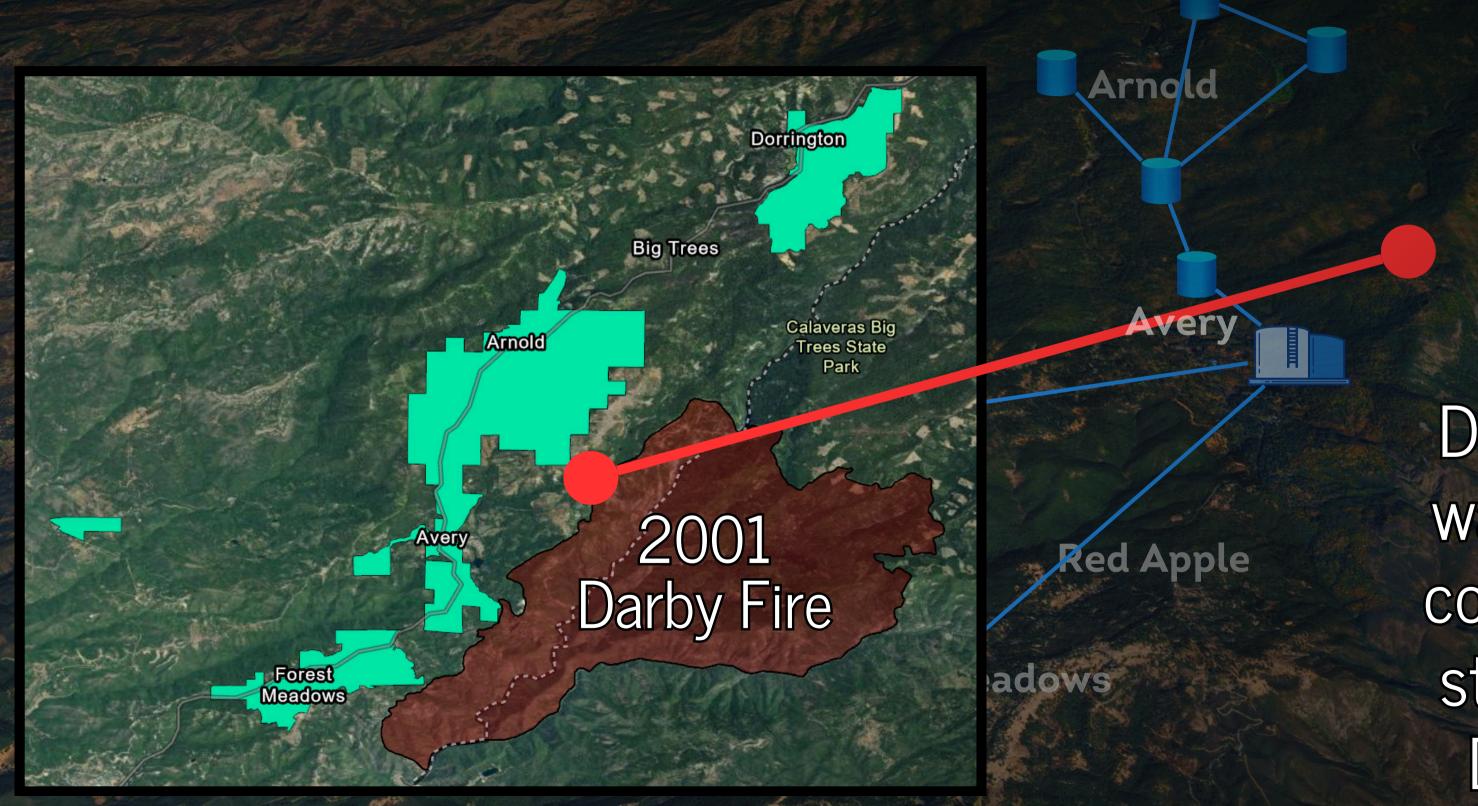
 Enhance water system delivery and distribution capacity to ensure adequate fire flow.



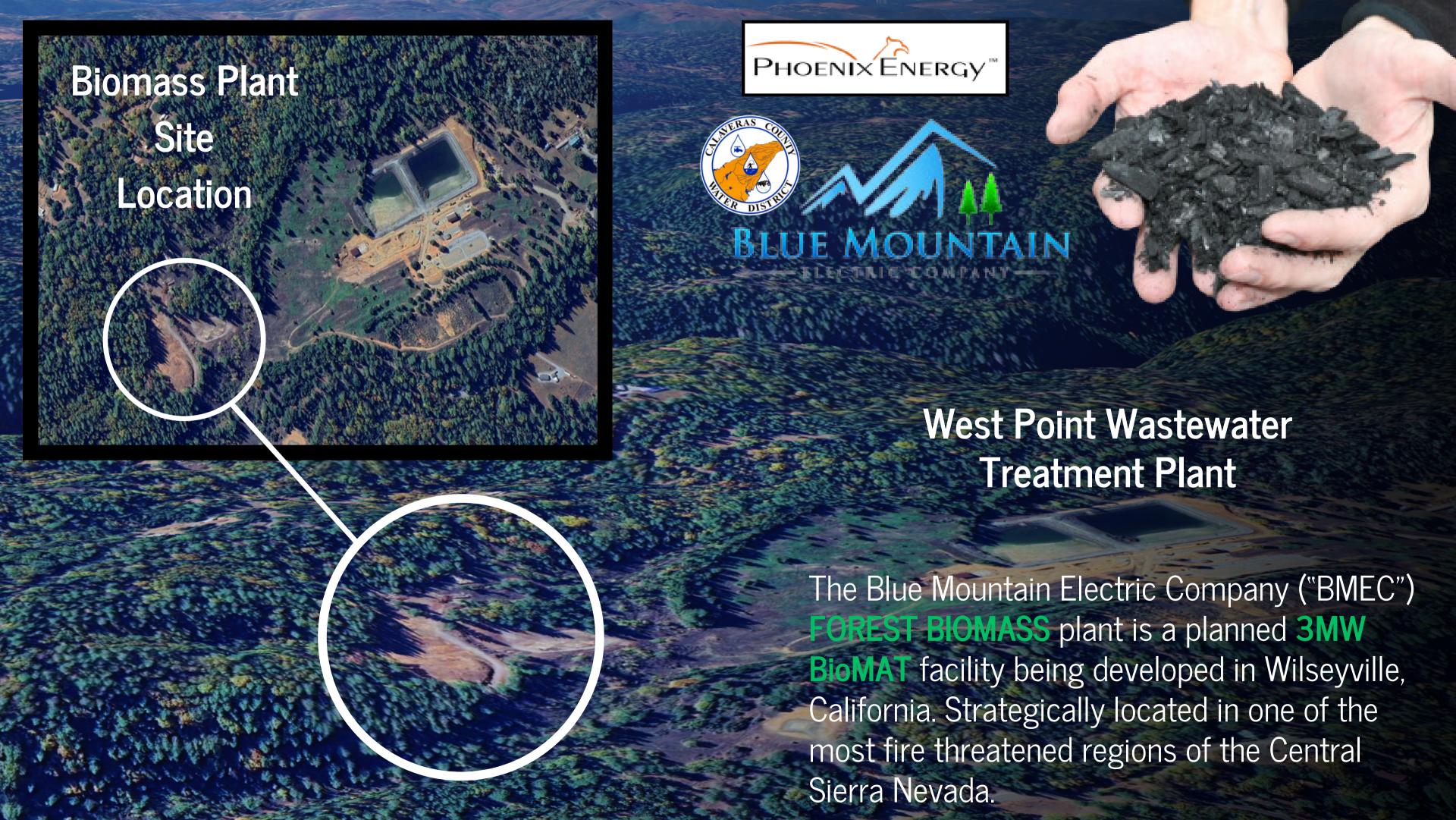




## Douds Fuelbreak Project 145 Acres



Douds Ridge was a critical component in stopping the Darby Fire

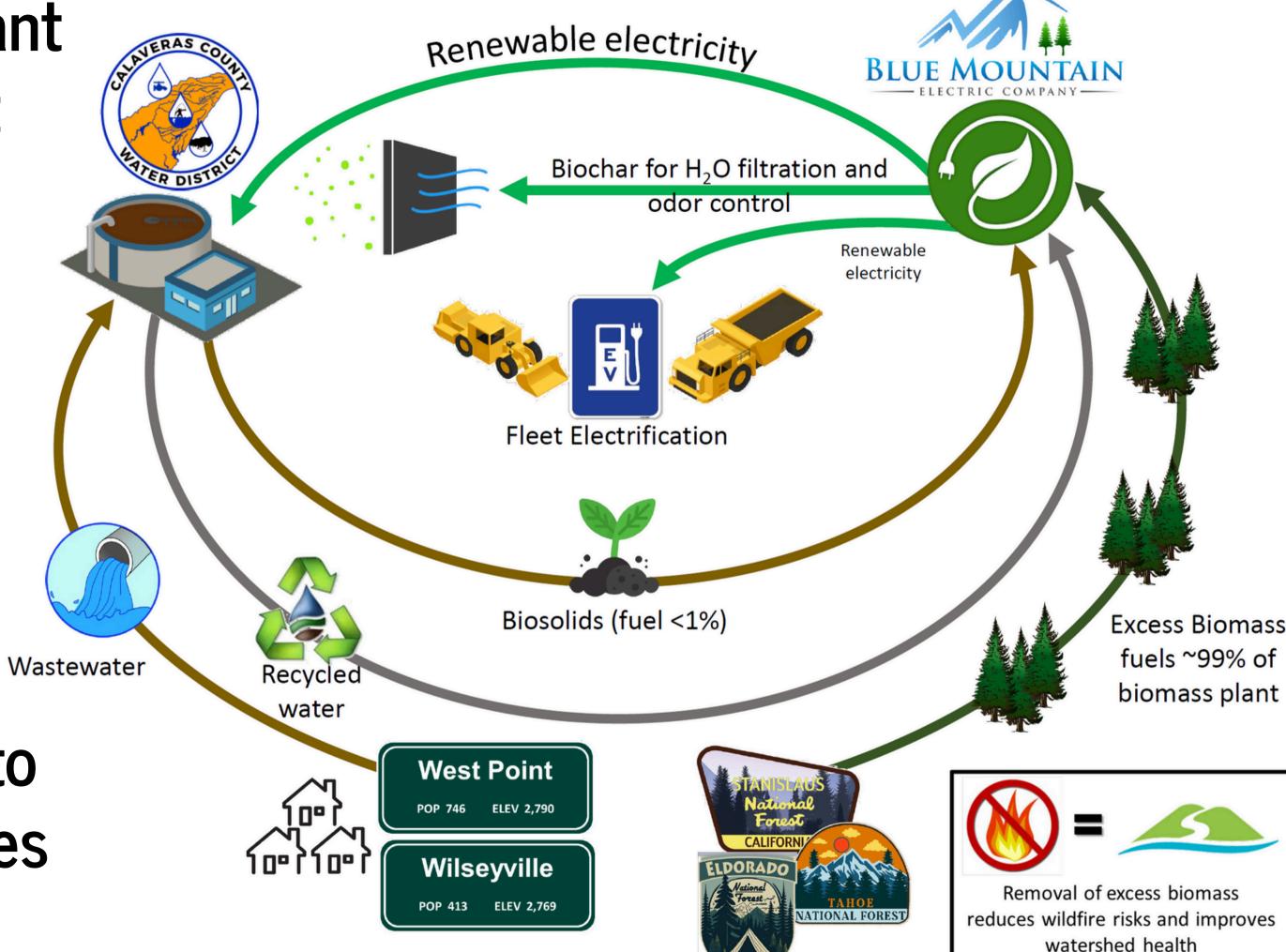


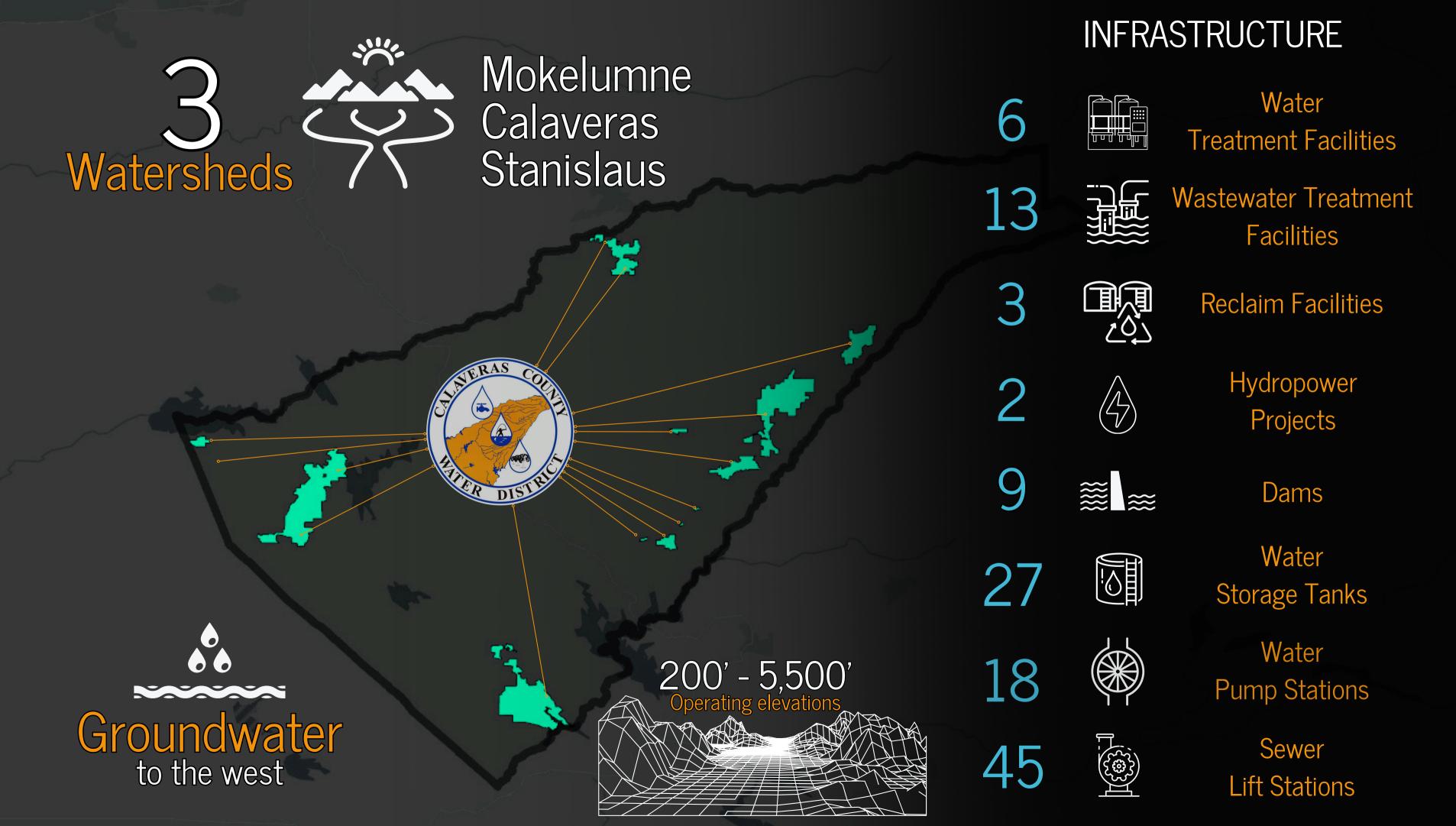


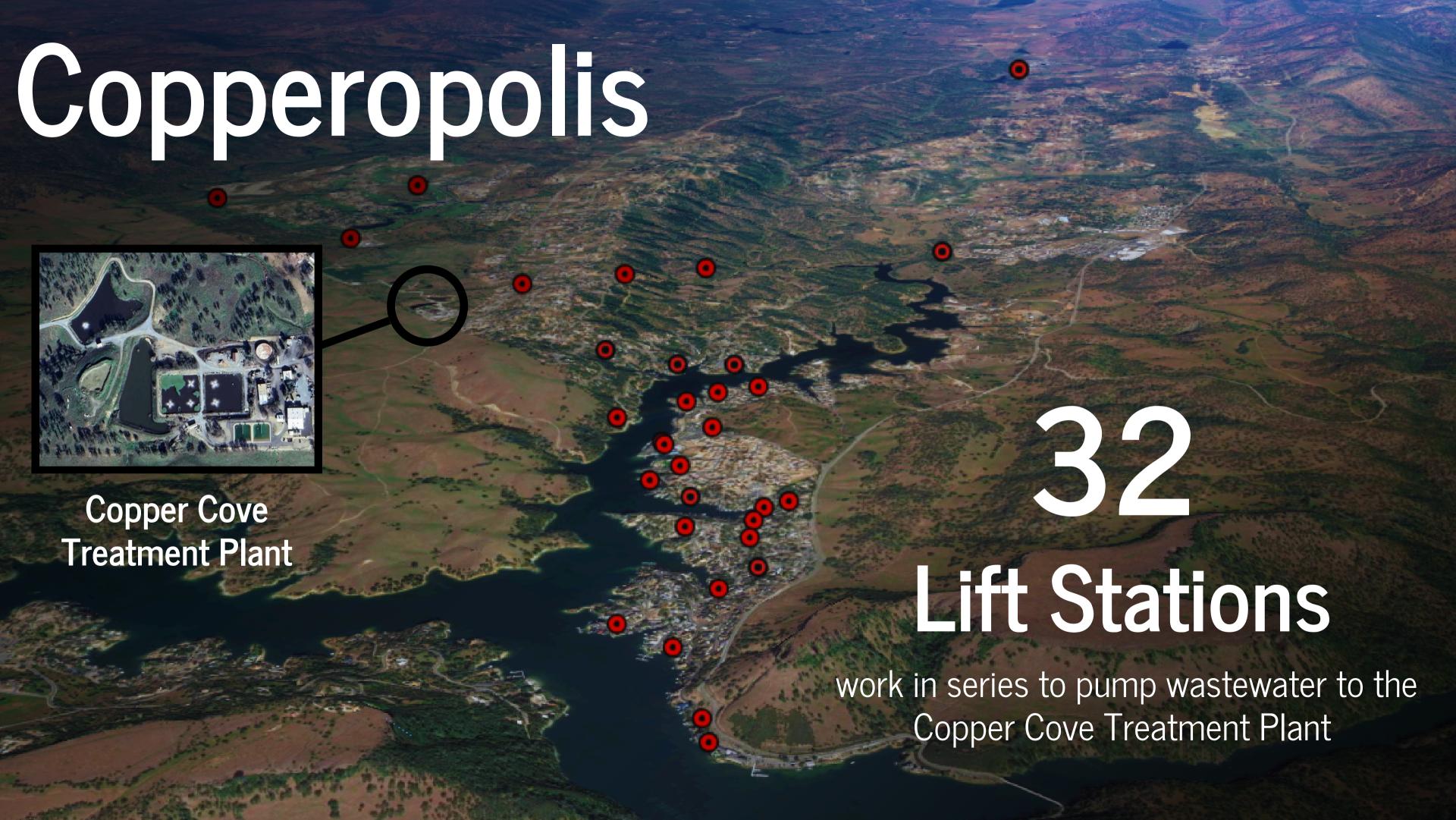


The plant will utilize advanced gasification technology to convert forest waste into clean, hydrogen-rich syngas. Annually, the plant will process around 26,000 tons of logs and chips, reducing the risk of catastrophic wildfire, and improve regional air quality through the reduction of open forest burning.

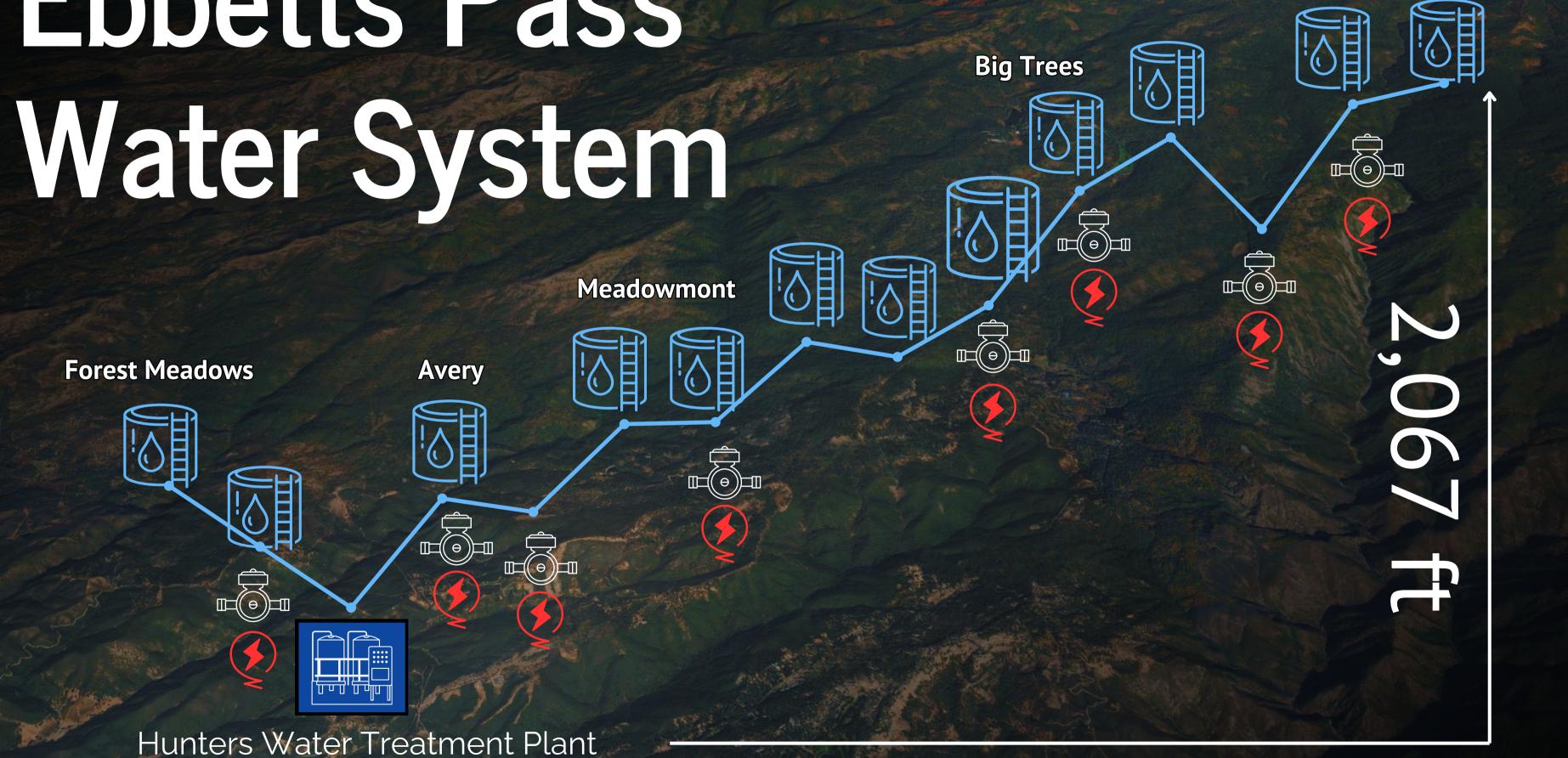
The biomass plant will also convert biosolids from CCWD wastewater facilities into electricity, eliminating the need to truck these biosolids to a landfill 90 miles away.





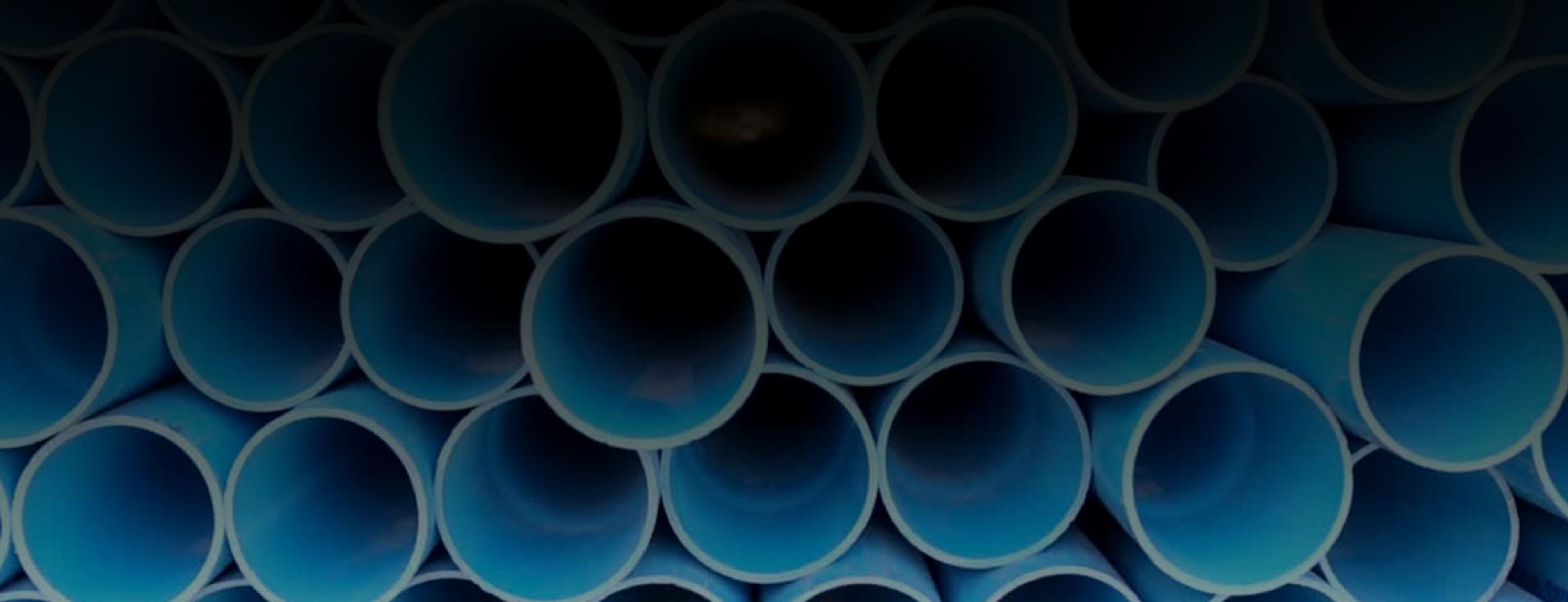


## Ebbetts Pass



Camp Connell

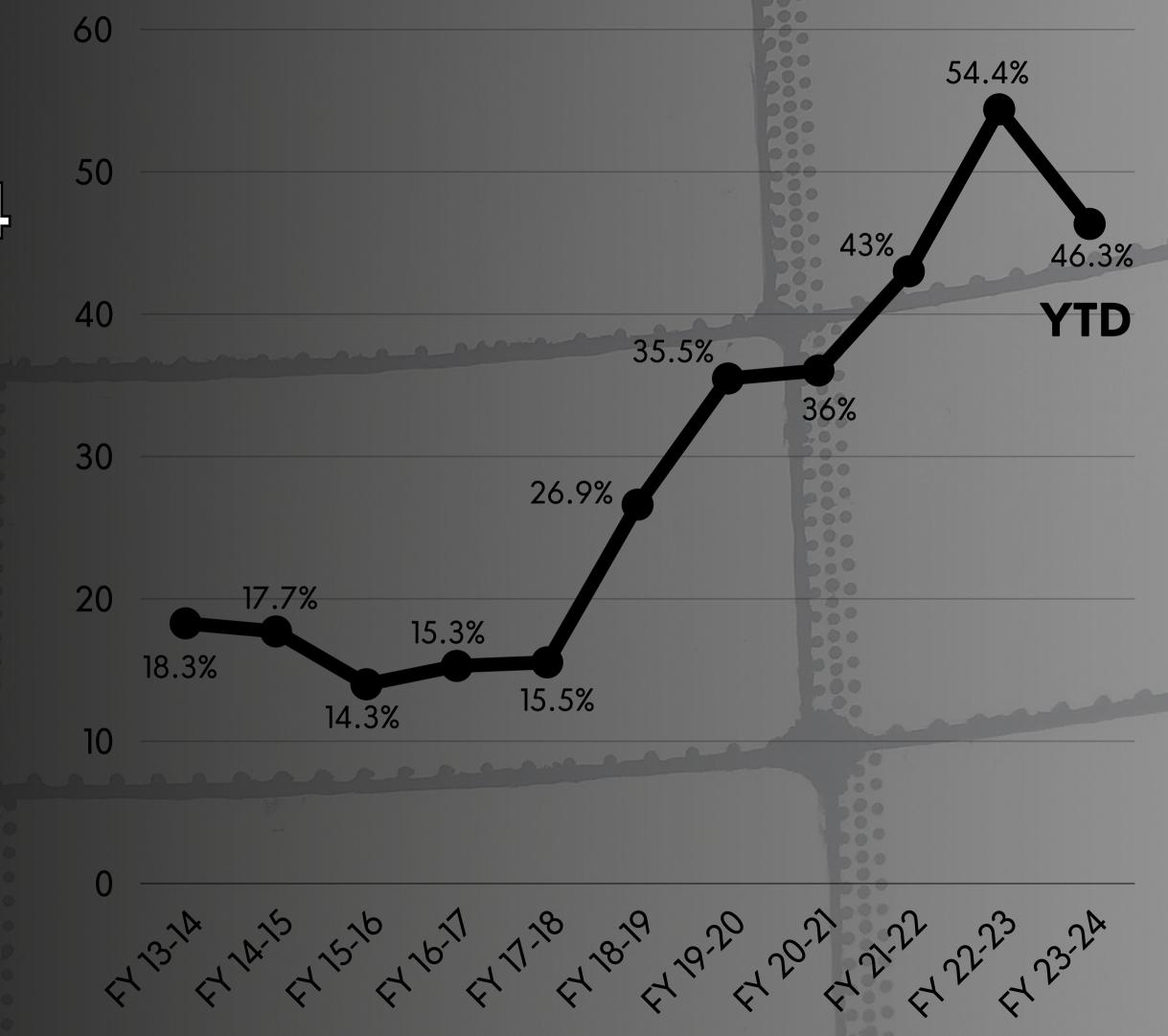
## Water & Wastewater Infrastructure Investments



Construction Costs Operating Budget \$25,000,000 FY 13/14 - FY 23/24 **YTD** \$20,000,000 Construction \$15,000,000 Costs \$10,000,000 VS. Operating \$5,000,000 Budget 43.14 42.15 45.16 45.17 47.18 48.19 49.20 42.21 42.22 43.24

## FY 13/14 - FY 23/24

Construction Costs Percentage Budget



FY 13/14 - FY 23/24
Totals YTD

Construction Expenditures

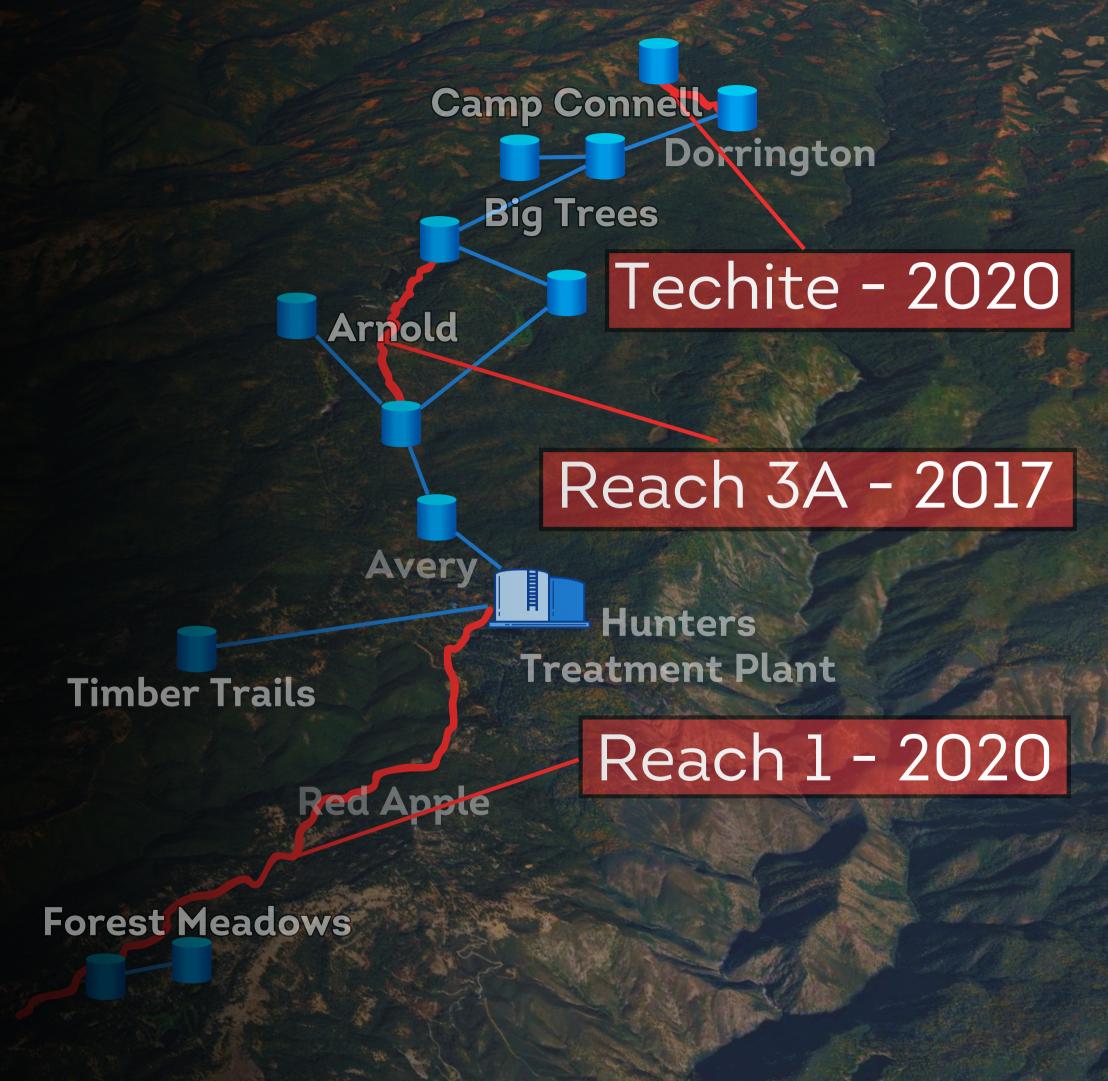
\$61,258,051

32% Operating Budget



Replaced Ten Miles of Water Main with 10 & 12 inch Ductile Iron Pipe.



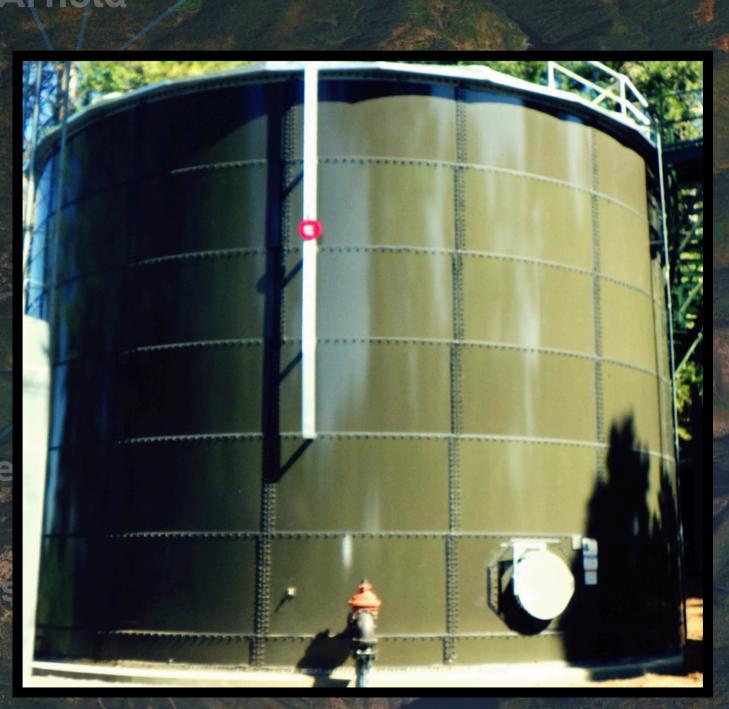




Replaced 8 Redwood Tanks with 7 Glass-Lined Steel Tanks.







Dorrington











White Pines Lake, sourced from San Antonio Creek, provides water for





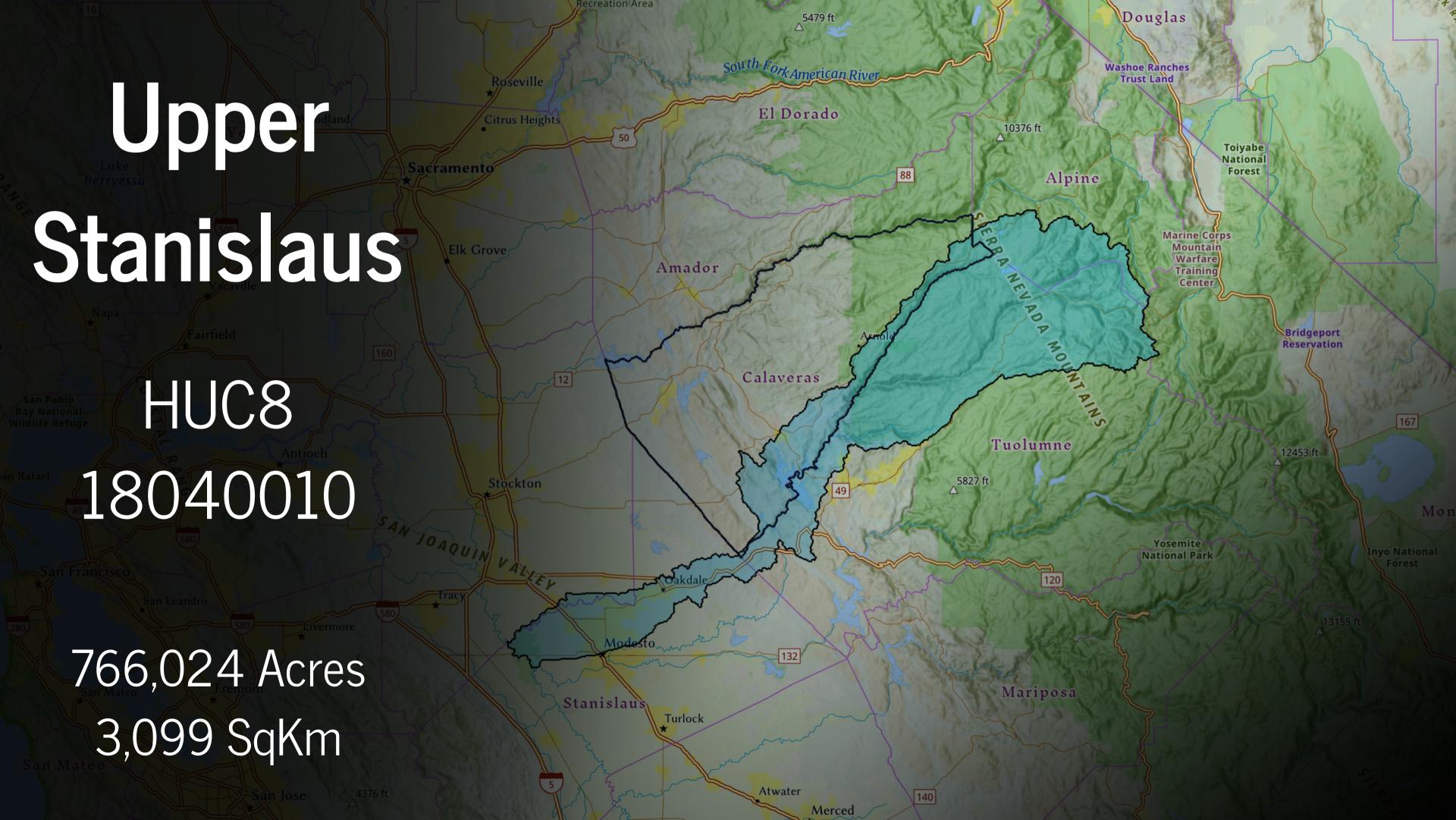
Sheep Ranch.

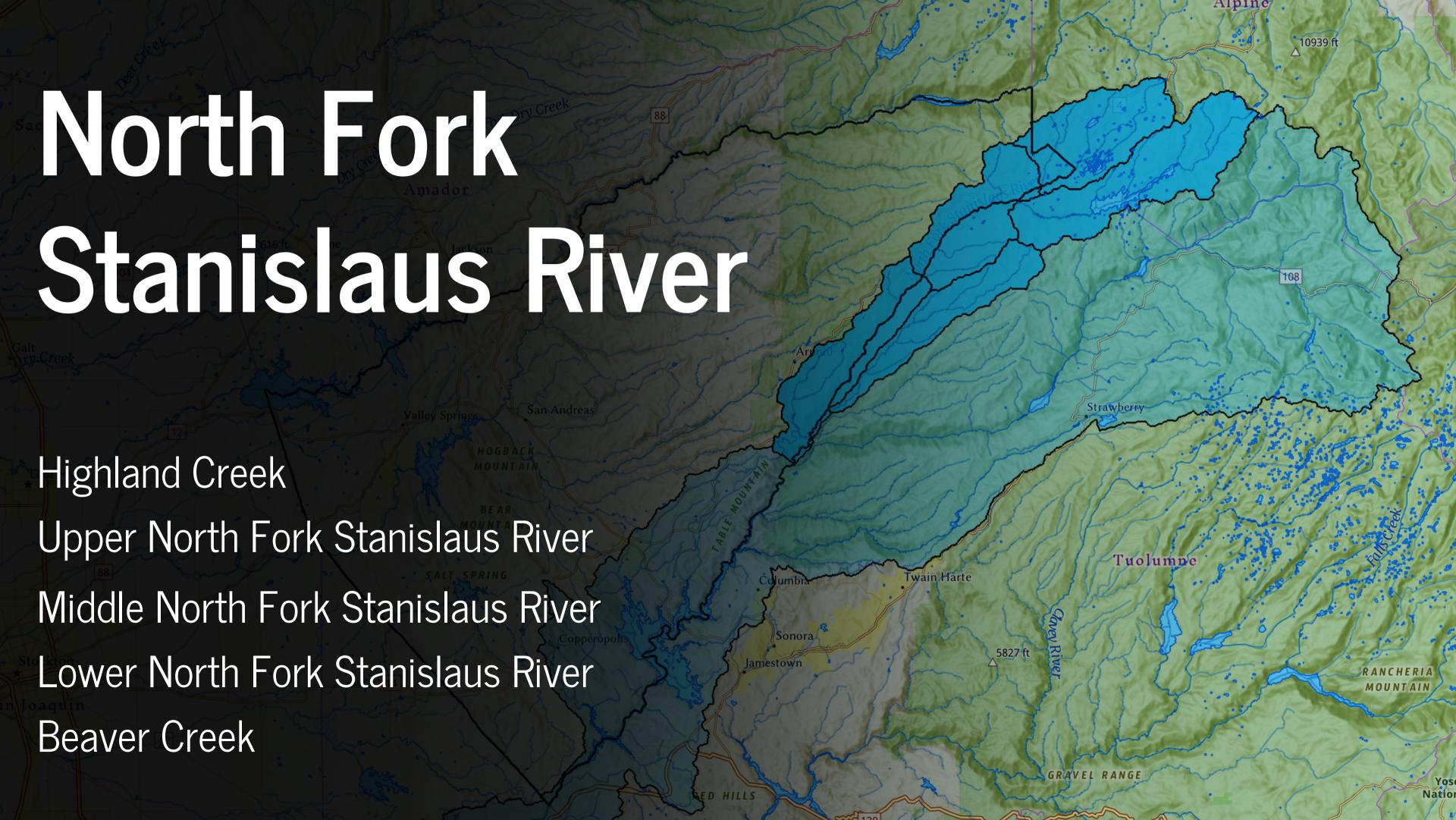


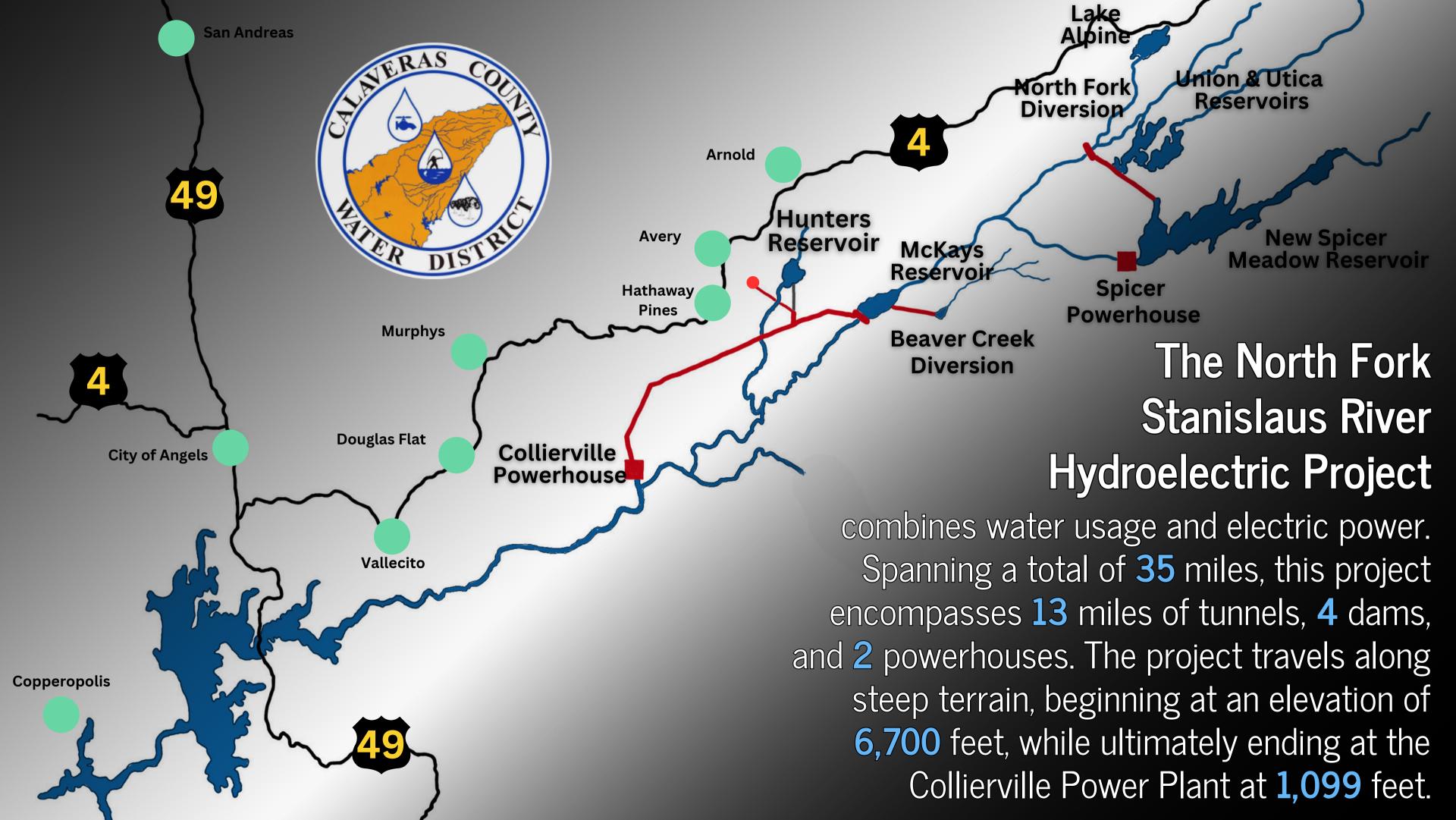














Construction 1985-1989

