



Sierra Resource Conservation District



S I E R R A
R E S O U R C E
C O N S E R V A T I O N
D I S T R I C T

Mission and Values

The mission and function of the SIERRA RESOURCE CONSERVATION DISTRICT is to take available technical, financial, and educational resources, whatever their source, and focus or coordinate them at the local level, to meet the present and future natural resource needs of the local land user

Stewardship

Responsibility

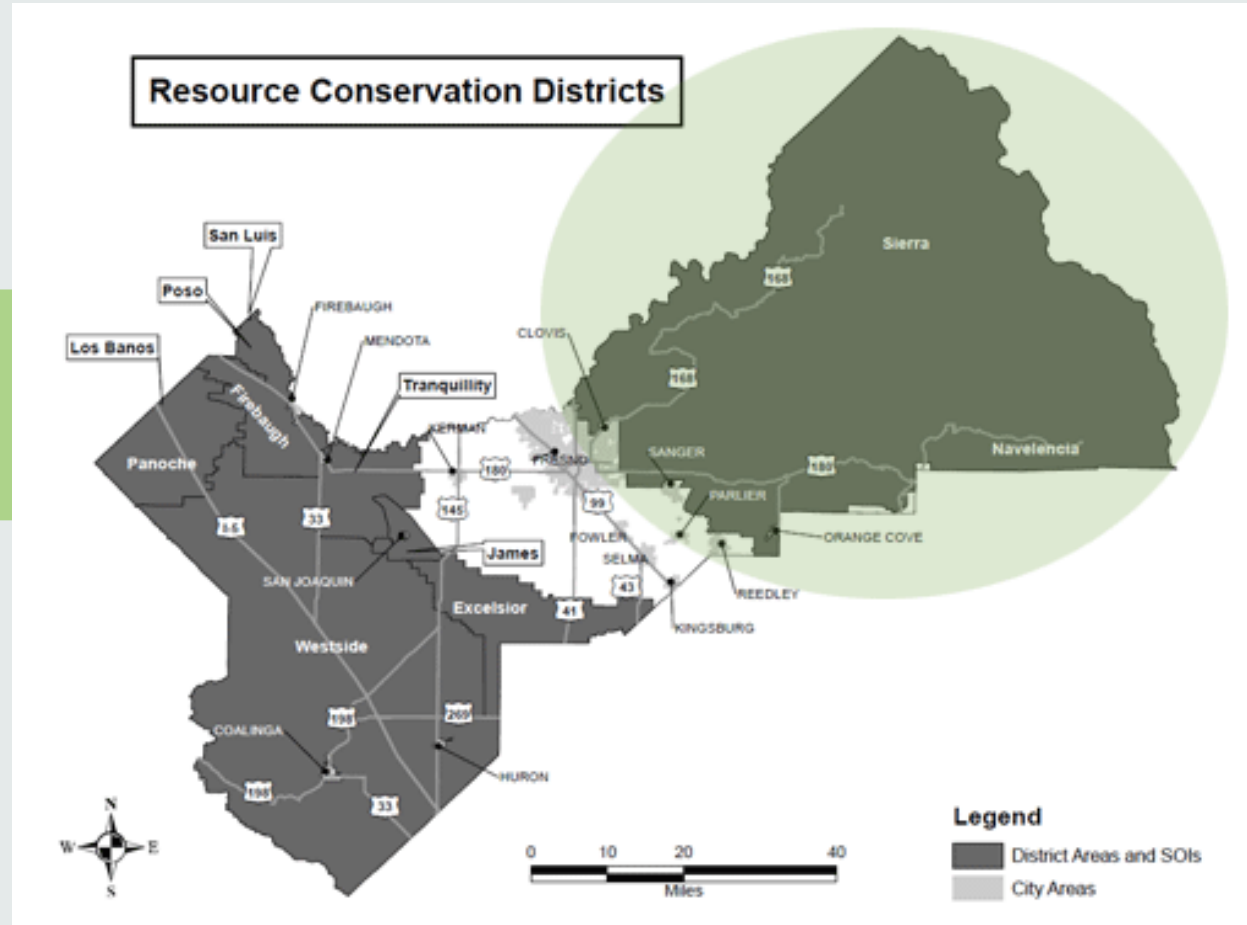
Innovation

Sierra RCD Founded 1957: State Agency, non-taxing, non-regulatory, Special District

1930

1957

RCDs were first founded after the Dust Bowl in the 1930s to bring federal and state funding and technical assistance to farmers and ranchers so that they could voluntarily conserve water, soil, and wildlife habitat on their land with the help of a local and neutral partner.



Our Natural Resources-Conservation

LAND

Agricultural Land Cover = ~ 45%

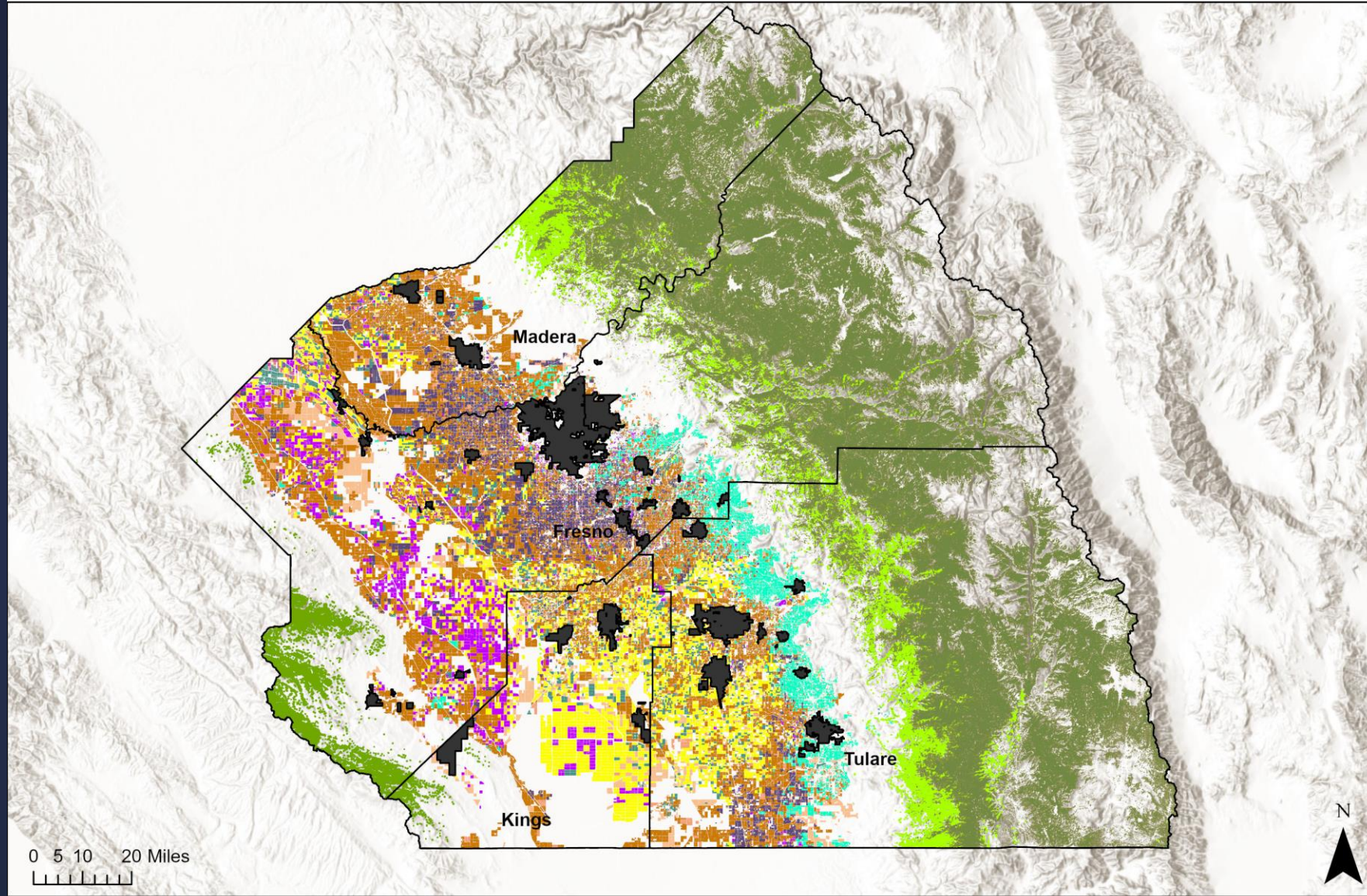
Forested Land Cover = ~ 23%

Urban Areas = ~ 3% (234,800 acres)

Other 29% variable includes surface water and privately-owned lands (inactive or use unknown)

AIR

WATER



Urban Areas

Crop Type

C | CITRUS AND SUBTROPICAL

D | DECIDUOUS FRUITS AND NUTS

F | FIELD CROPS

G | GRAIN AND HAY CROP

P | PASTURE

R | RICE

T | TRUCK NURSERY AND BERRY CROPS

V | VINEYARD

YP | YOUNG PERENNIAL

Forest Land Type

Deciduous

Evergreen

Mixed

Total Acreage from 2019:

Agriculture = 2,514,000
 Urban = 234,800
 Forested = 2,150,000

2023 SRCD Growth and Programs



Organization: 15 staff
Funding: ~\$12 million
Projects: 27



Programs

Clean Air, Clean Water, Healthy Forests, Productive and Regenerative Agriculture and Rangelands

1. Forestry and Watershed
2. Agriculture and Rangeland
3. Biomass Utilization

Forestry and Watershed

Funding 2021-2023 USFS, DWR, CALFIRE

122% Average Rate of Growth

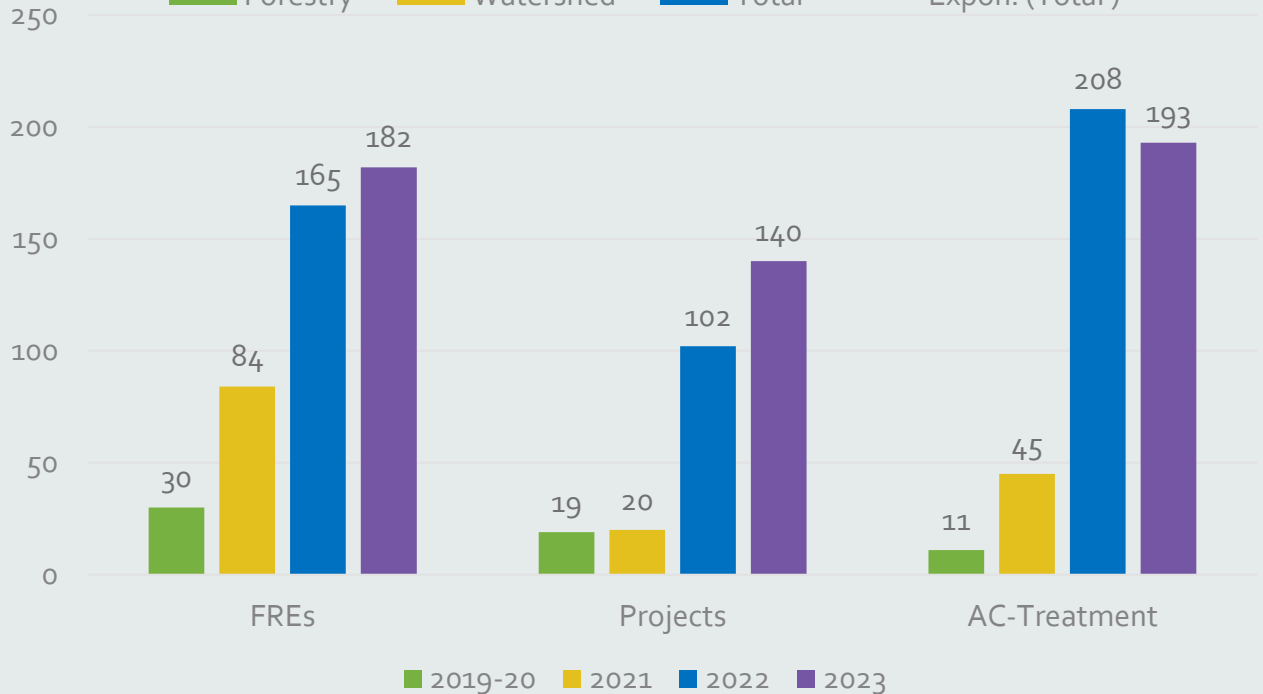
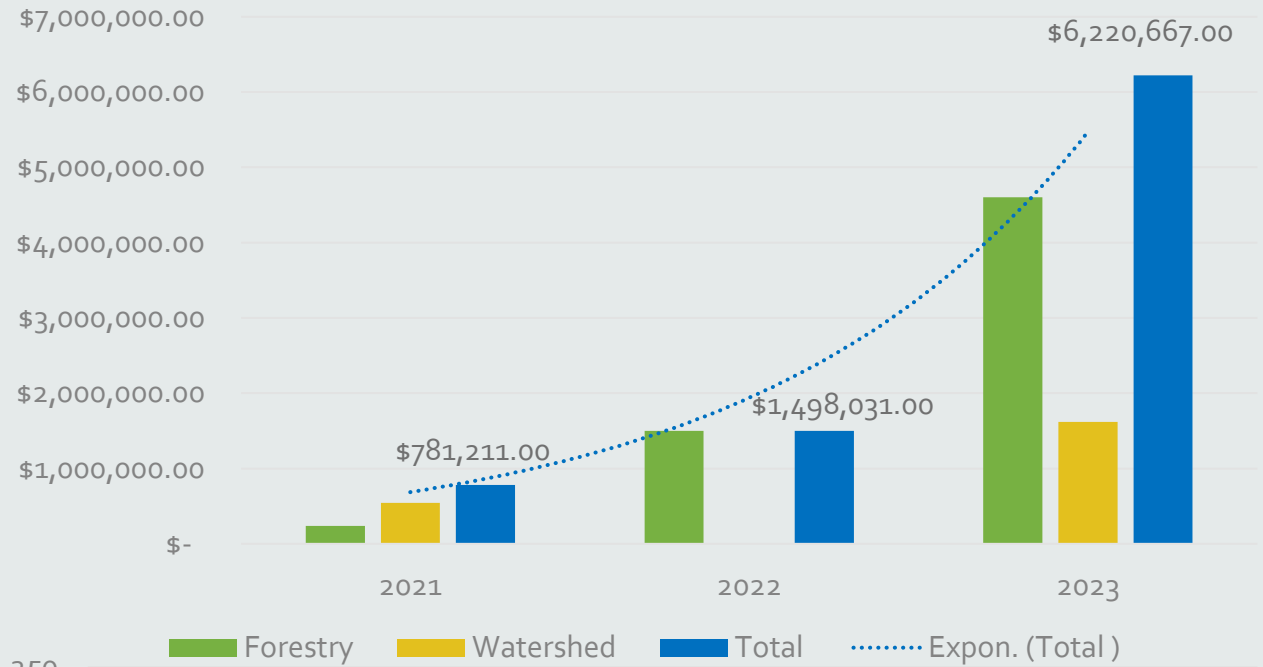
KPI Growth 2020-2023

Fire Risk Evaluations

Projects

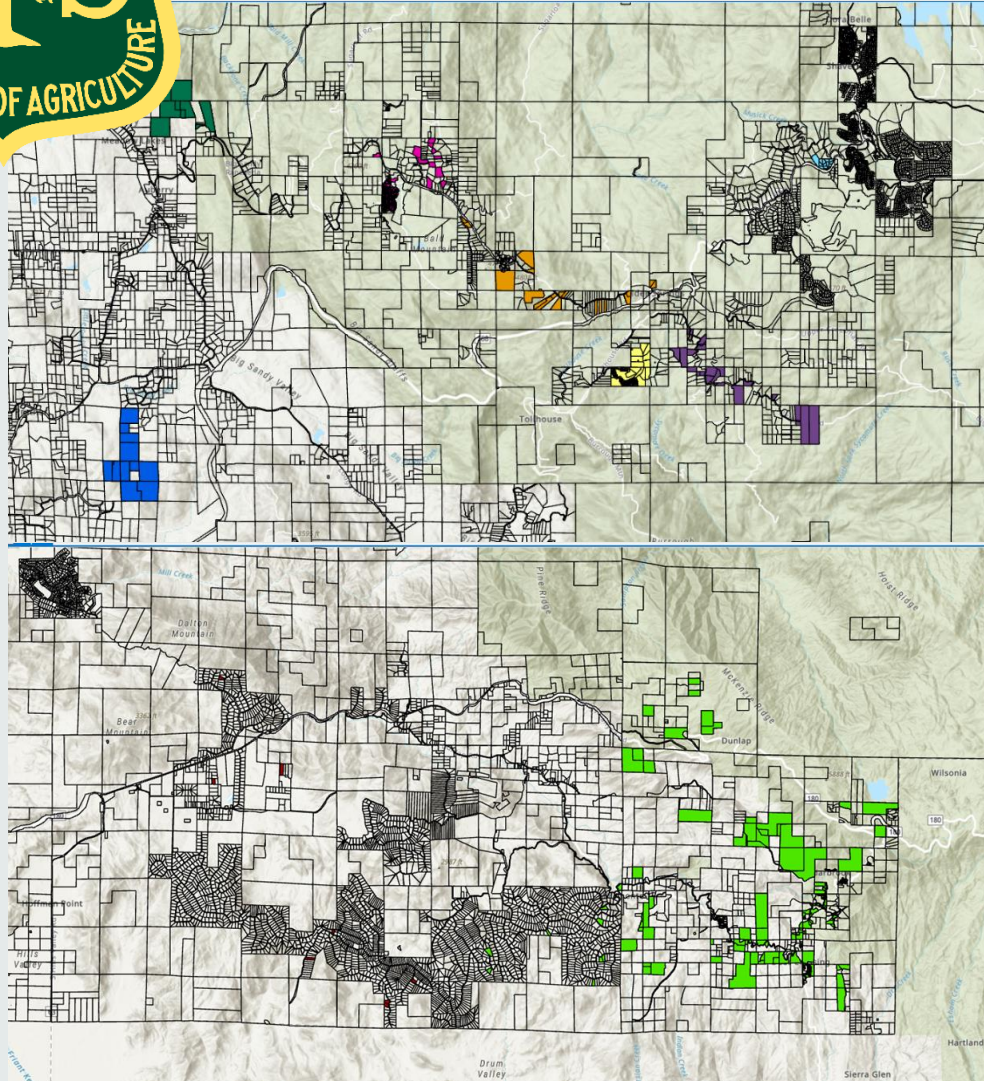
Treatment Acres

200% Average Increase of KPI





CWDG: Saving the Sierra's: 9 Firewise Communities of Eastern Fresno County \$4.6 million



HWY 168

- Whispering Springs
- Auberry
- Meadow Lakes
- Upper Pineridge
- Shaver Springs
- Peterson Road
- Crystal Creek

HWY 180

- Squaw Valley
- Pinehurst-Miramonte



FIREWISE USA®

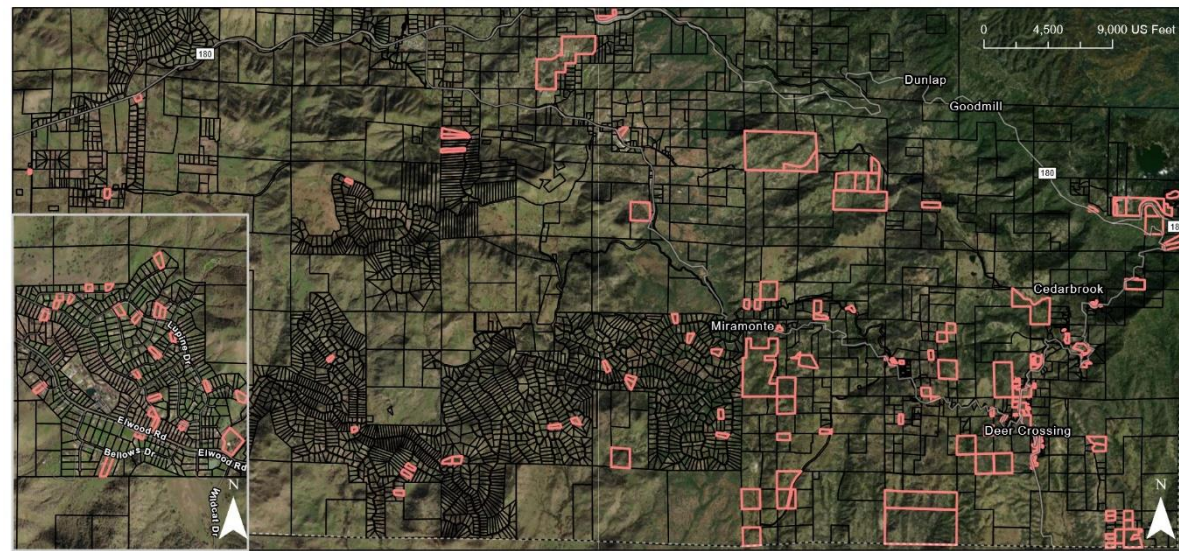
Residents reducing wildfire risks

Eastern Fresno County

14 upcoming Firewise Communities

Pinehurst-Miramonte and Courtright Village as 1st and 2nd Firewise Communities of Fresno County!

400 acres treated in 2022 and 2023



CFSC Kings-Sequoia Gateway Grant Map

	Total FREs	Total Acreage
Squaw_Valley_Pinehurst	180	2,786.8
Wonder_Valley_Comm	28	49.5
Eastern_Fresno_County_		

Projects Completed in Program			
Total Acreage	Treatment Acreage	Tons (28lbs / Cubic Ft.)	Carbon Emission Sequestered
842	110	2,320	7,656,911





Creek Fire Recovery

American Red Cross

Red Cross Project:

*Largest Award for Wildfire \$475,728
Rebuilding Grants, Unmet Needs, and Hazard
Tree Removal. 30 homes rebuilt*

Community Workdays:

*From 2020- 2022, 703 volunteers were engaged in
20 Community Workdays to benefit 65 property
owners in Creek Fire Recovery*

Reforestation:

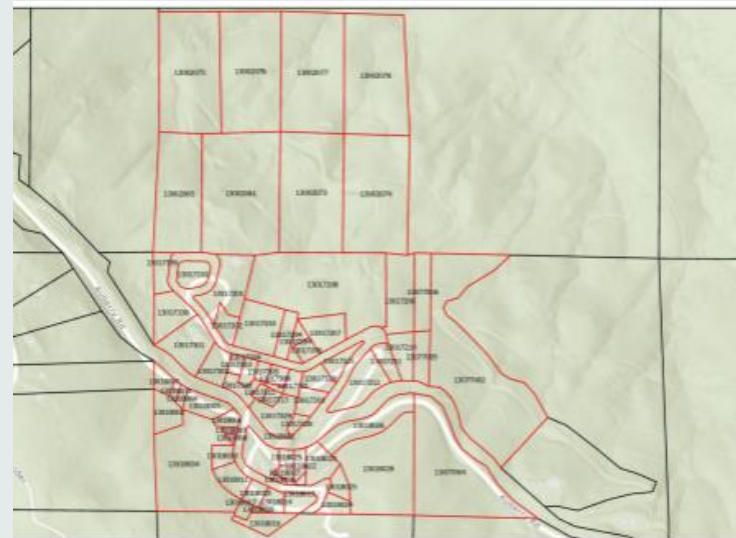
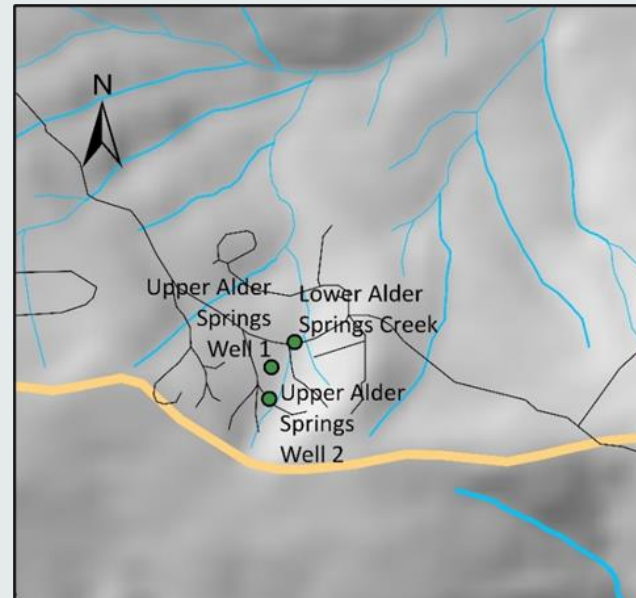
*Arbor Day Foundation supported 150 acres
reforested. Amount to double in 2024*





Community Water Systems

- Community Water Testing
- Water System and Watershed Restoration
- Water System Enhancements-SCADA



Alder Springs Community Map

Map Contributors: Fresno County Dept. PWP, California State Parks, © OpenStreetMap, HERE, Garmin, SafeGraph, GeoTechnologies, Inc; METI/NASA, USGS, Bureau of Land Management, EPA, NPS, US Census Bureau, USDA, Sources: Esri, Airbus DS, USGS, NGA, NASA, CGAR, NAD 1983, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the community

2022

Spatial Reference Name: NAD 1983 StatePlane California IV FIPS 5003 PCS: NAD 1983 State



Agriculture and Rangeland

- Technical Support and Funding for Farmers, Producers, Ranchers in Soil Health, Water Management
 - San Joaquin Valley Land and Water Conservation Collaborative Resource Conservation Partnership Program (SJVLWCC RCPP) 2021-2026
 - California's Underserved and Small Producers. African American Farmers, Asian Business Institute, Punjabi American Growers, Women in Farming.
 - Drought Relief Grants
- Agriculture Planning
 - Carbon Farm Planning
 - Conservation Ag Planning





Applicability Detail of Rank Assessment: RCPP_CoverCrop_Compost_On-Farm_230264 (512435)

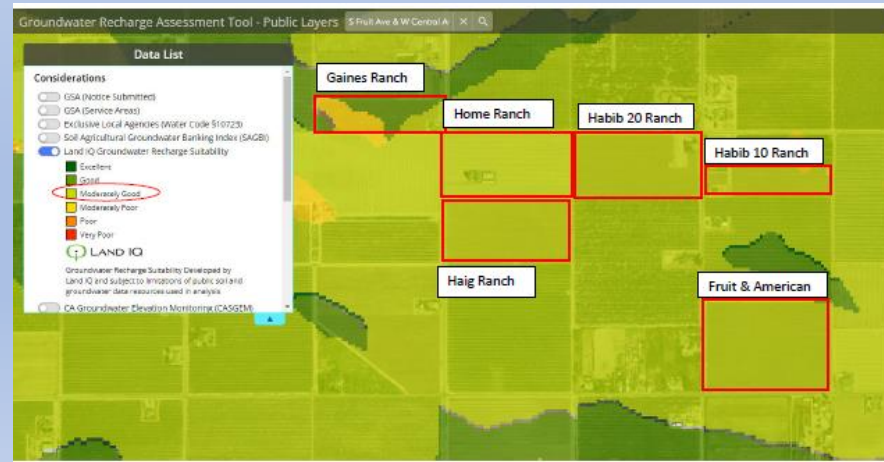
Assessment Date: 03/31/2023	Assessment Status: Ranked	Client Name: MATOIAN BROS LLC
Case Name: Matoian_Bros_LLC-motoianbros	Planner Name: Mikhael Kazzi	State: CA
Schedule Status: Active	Applicable Ranking Pools: 1	Service Center: FRESNO SERVICE CENTER
Schedule Name: RCPP_CoverCrop_Compost_230264	Submitted Applications: 1	County: Fresno

Last Modified By: Mikhael Kazzi **Last Modified Date:** 03/31/2023

Layering practices = higher ranking

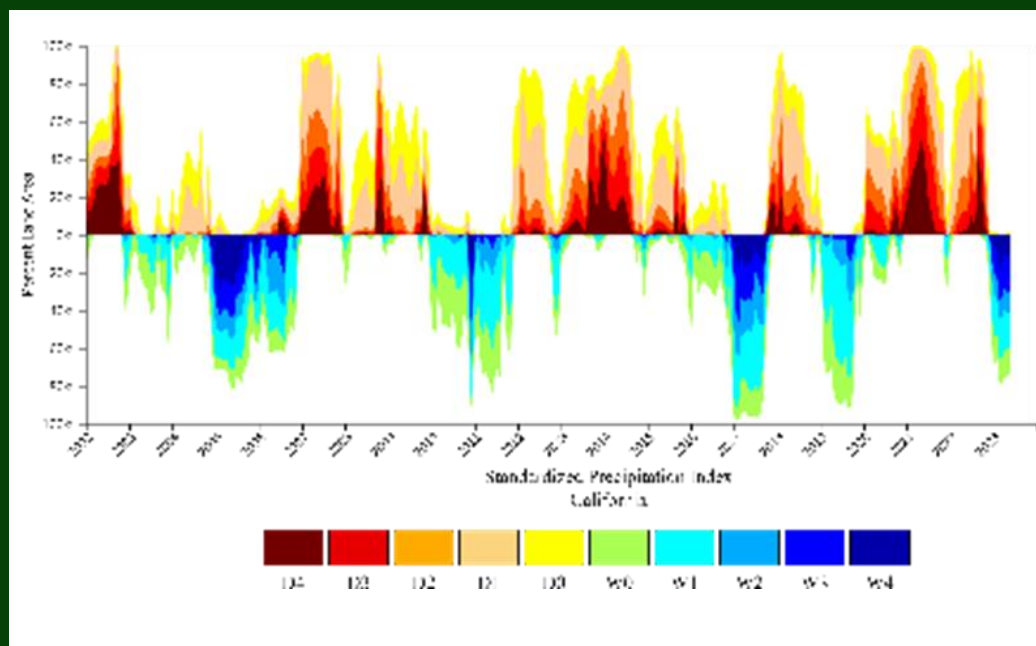
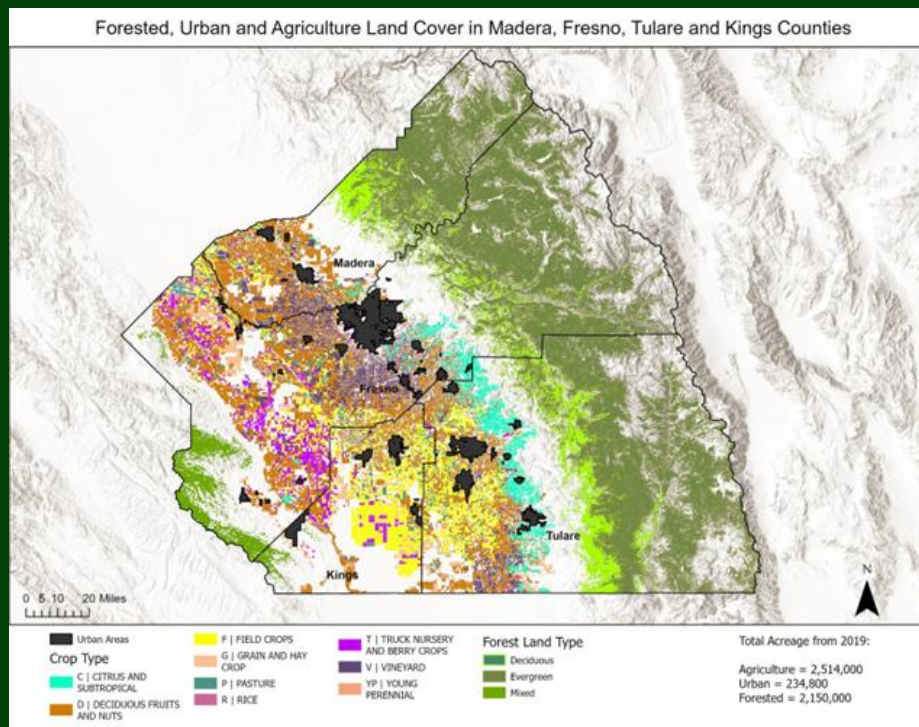
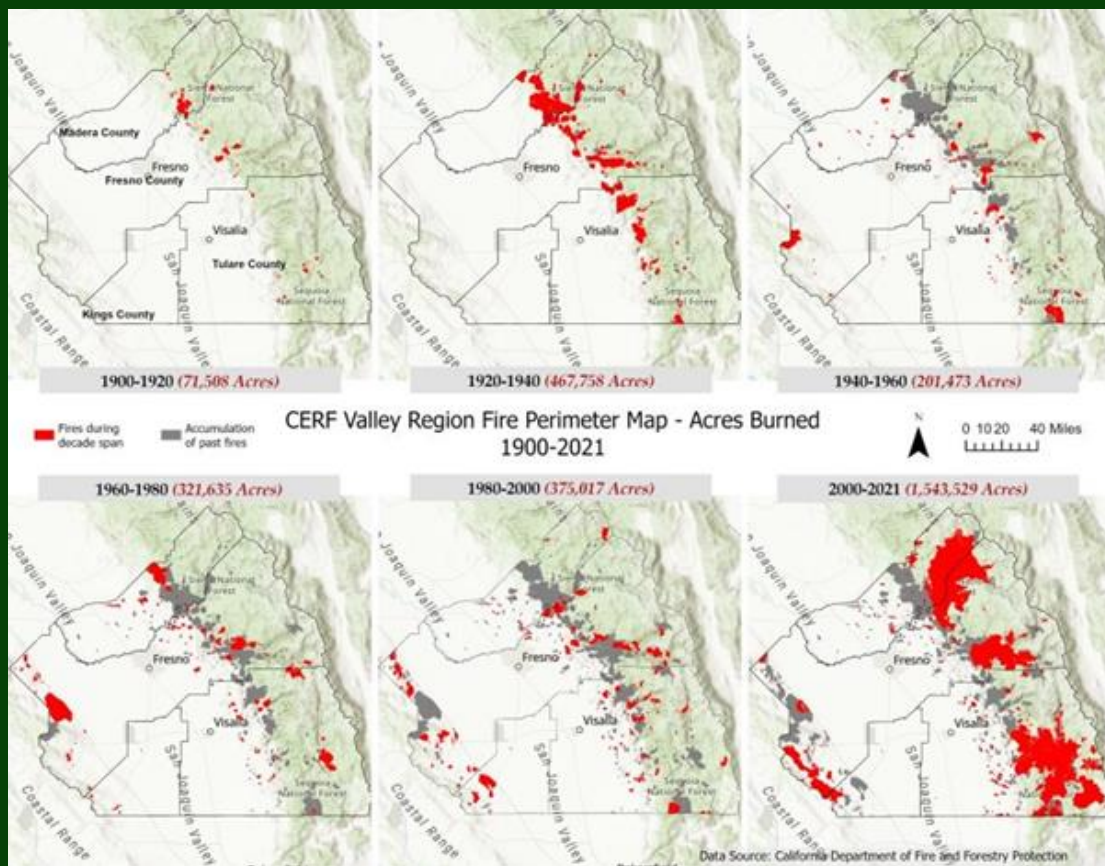
Pool Name	Pool Status	Program	Number of Applicable Land Units	Total Land Units	Summary Total Ranking Score	Application Date	Application Number	Estimated Cost	Submitted Date	Ranking Status	Actions
386 LMR Producer /2023 v3	Active	RCPP18	8	8	111.231	02/03/2023	919104230264	\$127,841.00	03/31/2023	Submitted	

(1 of 1) **BULK EDIT STATUS**



Climate Level Impacts

Drought
Wildfire
Water Quality
Overdraft

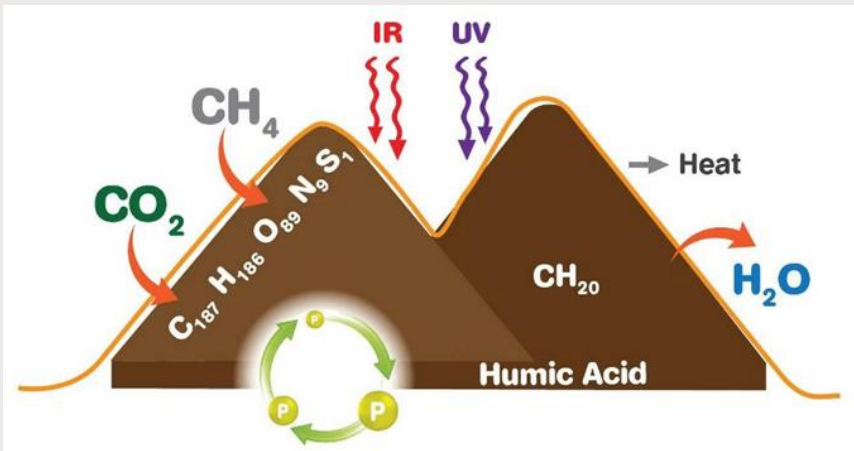


Biomass Utilization

Enlist the marketplace with biotech and reach sustainability with a bioeconomy

Clean Energy Production

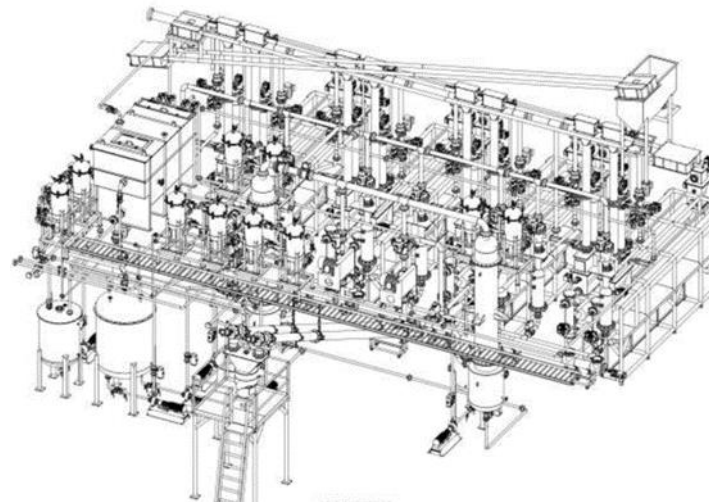
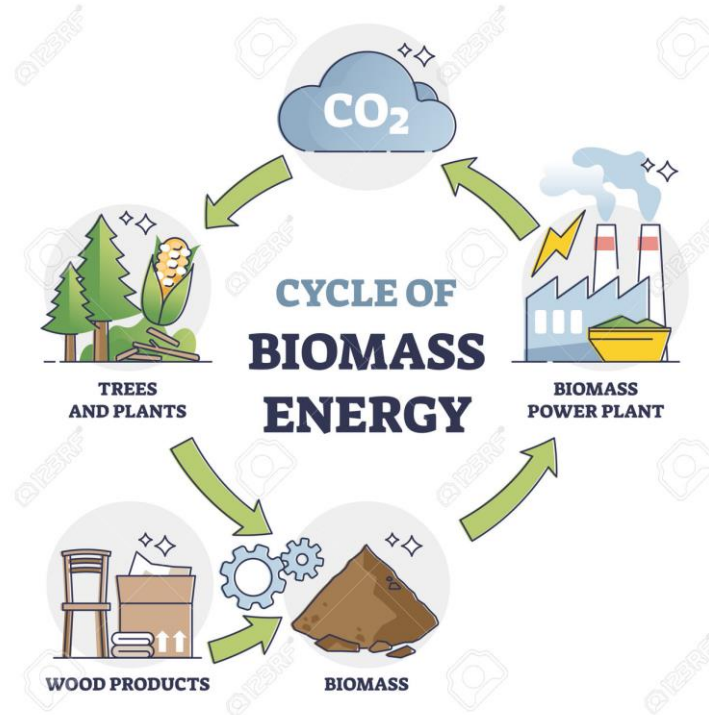
Renewable Diesel, Sustainable Aviation Fuel, Hydrogen, Graphene, Wood Vinegar and Biochar



VRM HumiSoil Technology

Carbon Sequestration

Creates Water - bacterial photosynthesis





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Thank You!