

UCCE Central Sierra

El Dorado Impact Report 2022-2023

Presented by
JoLynn Miller

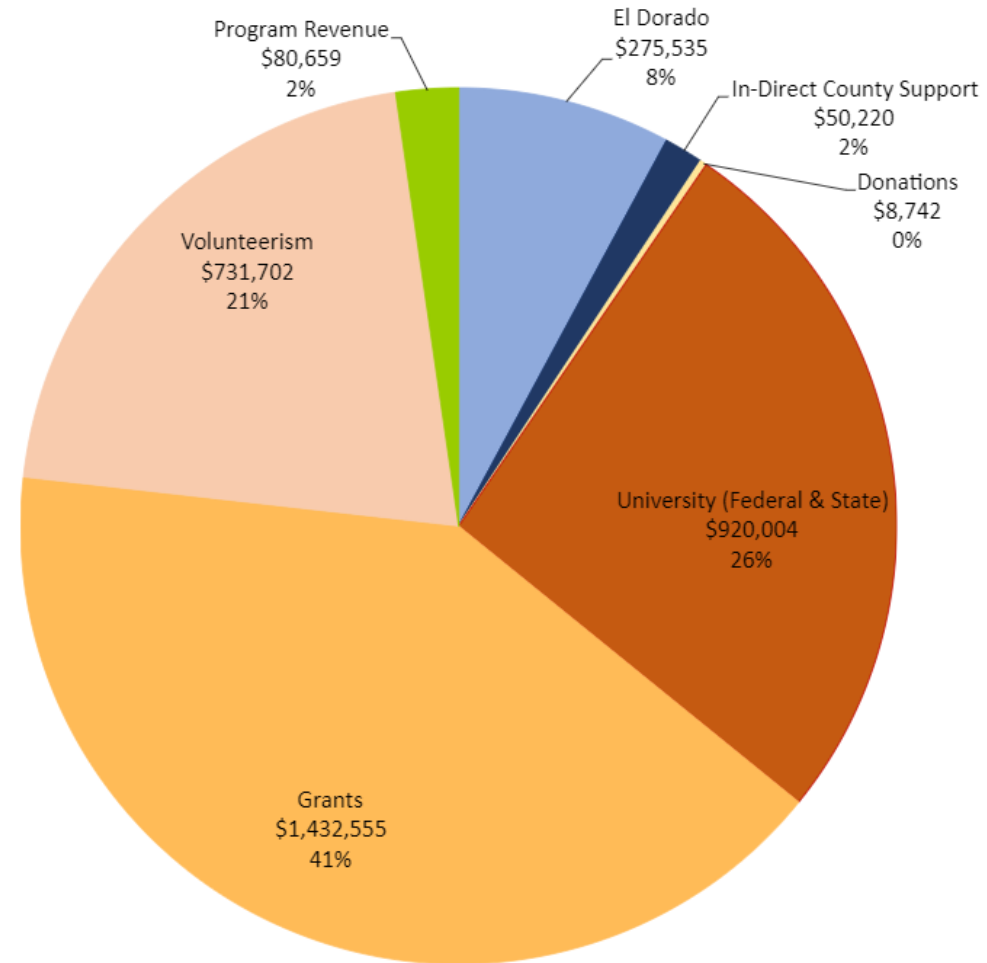
8/15/2023



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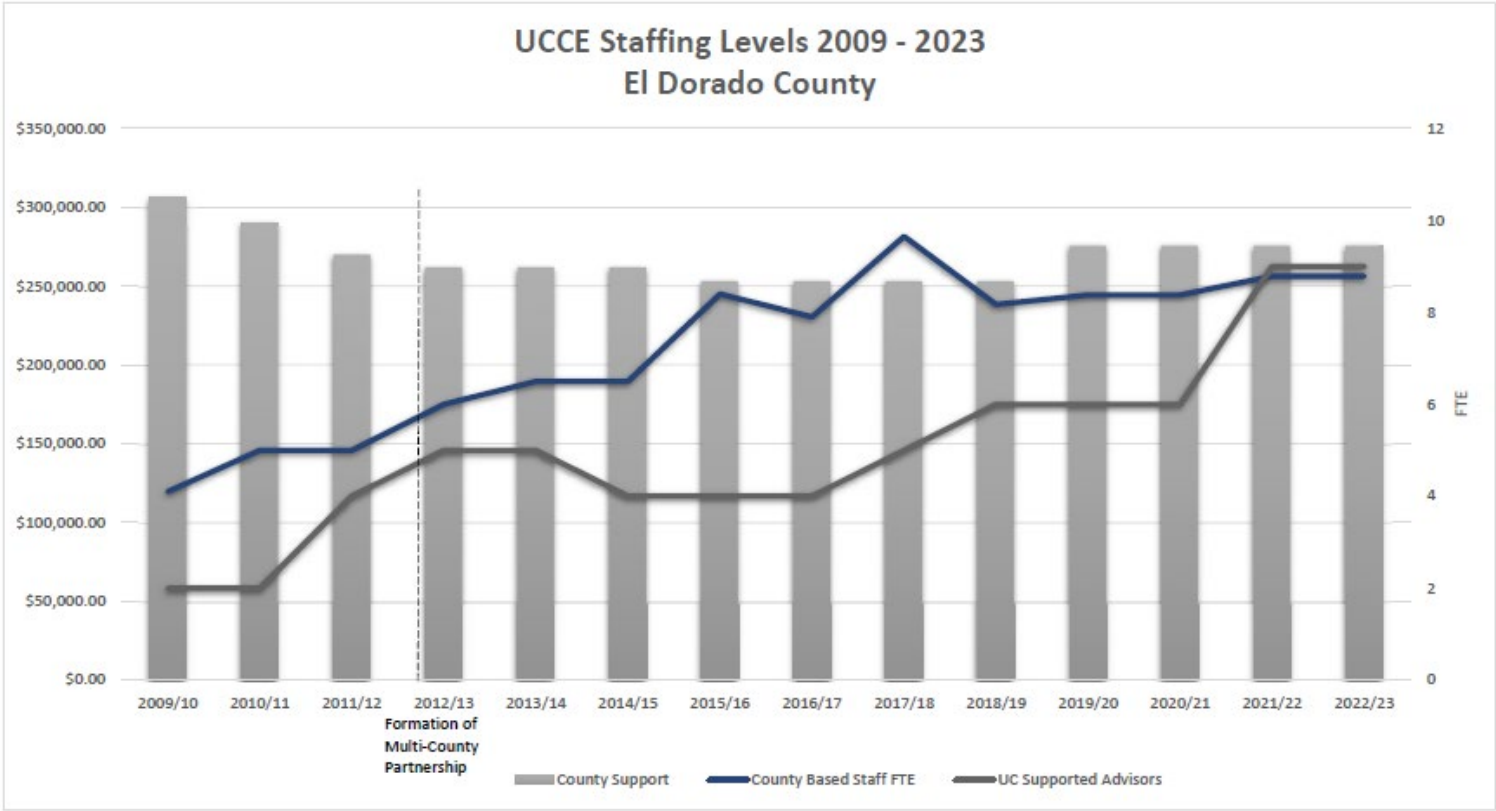
Cooperative Extension

2022-2023 Fiscal Breakdown (draft)



■ Cooperative Extension

2022-2023 Budget vs. Staffing



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Current Programs

4-H*

Master Gardeners*

Master Food Preservers*

UC Cal Fresh Healthy Living

Ag and Natural Resources-Scott Oneto

Livestock and Natural Resources-Flavie Audoin

Forestry and Natural Resources-Susie Kocher

Woody Biomass and Forest Products-Cindy Chen

Local Food Systems-Hardeep Singh

4-H Youth Development-JoLynn Miller

Under Recruitment

Integrated Pest Management

Community Nutrition and Health

Under development

Indigenous Disaster Resilience



Impact of El Dorado 4-H: Transforming Our Community

442 Youth Enrolled | 242 Participants *served by:* 74 volunteers

In **8** Community Clubs | **91** Projects | **1** After-School Club | **1** In-School Club | **1** Summer Camp

- Partnering with the Boys and Girls Club of Lake Tahoe, we empowered 25 teen teachers, igniting their passion for learning.
- Similarly, our SNAC clubs engagement brought together 35 enthusiastic young individuals, fostering a sense of community and shared purpose.
- Summer Camp was a resounding success, bringing together 120 campers, guided by 31 junior counselors and supported by 22 adult volunteers.

The feedback from our young participants captures the essence of their experience: "Don't be embarrassed or scared to do something you love," said one, while another exclaimed, "Meeting new people is amazing!" Such transformative experiences have become the hallmark of our program.

Master Gardeners West Slope

145 volunteers | 43 classes | 9,785 Participants | 20,455 Social Media Engagements

- Expanded varieties of edible plants in their garden
- Increased knowledge on removing or not introducing invasive plants
- Increased knowledge on selecting plants for size, sun needs, water needs, and maintenance levels

"We come twice a year; in the fall and spring to learn about ecosystems. It allows them to have an experience that they might not otherwise have."

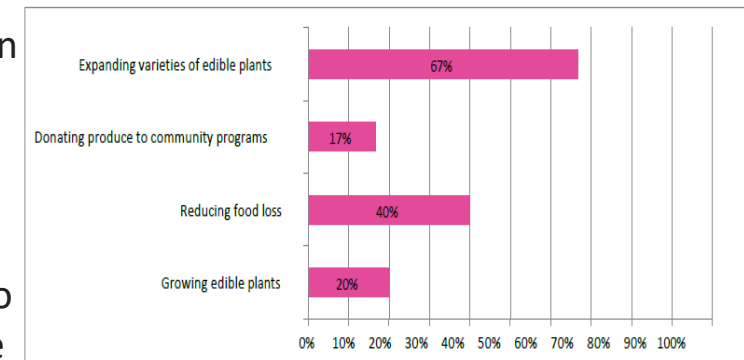
– Tiffany Presgrave, Indian Creek Elementary School teacher speaking about hand-on field trips to Sherwood Demonstration Garden

"The class on Fire Resiliency has been a tremendous benefit to our community - more than 100 people who live in our Fire Safe Council territory have attended the class in the past two years and I know many of them have used what they learned to make changes in their own houses and landscapes. I have personally attended three times and have learned something new every time!"

- Tamara Johnston Chair, Georgetown Divide Fire Safe Council



Participants report after vegetable class



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Master Gardeners Tahoe

26 Volunteers

24 Grow Your Mini-Classes | 688 Class Participants

20 Farmers Market and Event Booths | 887 contacts

1,185 School Garden/Science Expo students

Master Gardeners volunteered at a recent Children's Forest Field Trip. It was covered in the local South Lake Tahoe newspaper (<https://www.tahodailytribune.com/news/tahoe-elementary-students-enjoy-field-trip-to-tallac-historic-site/>)

Quote from newspaper article: Local Master Gardener David Long instructed the students take up clipboards, pencils and paper and led them on a plant walk where he described Washoe uses for incense cedar, snowplant, wild strawberry and many other common plants of the Tahoe Basin. The children took copious notes and did their best to draw the plants for future identification. Tahoe's budding young botanists loved this lesson.

Master Food Preservers

39 Volunteers

19 classes | 779 participants

Outreach Events: 3,687 contacts

Social Media reach: 30,264 impressions

94.4% of participants who submitted evaluations said they would return for additional classes

Quotes about what they learned:

- you must follow the recipe to safely can
- although she didn't like using bleach for sanitizing she learned the importance of it.
- they felt brave enough to start using their pressure canner
- will focus more on sanitation
- Watch time that food is left out after cooking



UC Cal Fresh Healthy Living

Program Participants: 1,206

Community members receiving newsletters, hand-outs, and more: 5,540

Number of volunteers: 12

Number of classes taught: 284

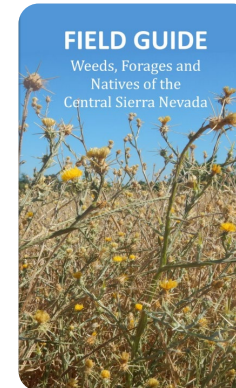
"I enjoy the cooking lessons, they have taught me new things, and also been able to try new things that my parents at times can't afford." -Stephanie, 5th grade youth member from the Teens as Teachers program

Tasting Event with 1st grade students at Sierra House Elementary School on 3/17/2023. Students sampled dried apricots. Each 1st grade class at Sierra House Elementary received a total of 4 tastings as part of this lesson series.

- 14.8% (8/54) of students had tried a dried apricot before.
- 96.3% (52/54) of students tried a dried apricot during this event.
- 96.3% (52/54) of students said they would eat dried apricots again.
- 96.3% (52/54) of students said they would ask for dried apricots at home.
- For 81.5% (44/54) of our students, this was the first time they'd tried a dried apricot.

Ag and Natural Resources

- **Evaluation of new biological control agent for yellow starthistle**
Second release in North America was in El Dorado County
- **Weed Control workshops with 287 EDC participants including general public, land managers, agency personnel, seasonal field staff.**
“I just want to THANK YOU for sharing your knowledge how to irradiate yellow starthistle. As far as we can tell, 90% of these weeds were completely gone and did not grow this summer. Again, we want to thank you for your knowledge and expertise”
- **2nd Edition Field Guide-Weeds, Forages, and Natives of the Central Sierra**
*10,000 copies printed
“What a great, useable weed ID book. I got a copy at the farm bureau dinner. Concise, complete and easy to use, all ranchers should keep in their glove compartments. Can’t believe UC is giving them for free. Keep up the good work.”



Ag and Natural Resources continued

- **Remote Sensing for Annual Forage Production**

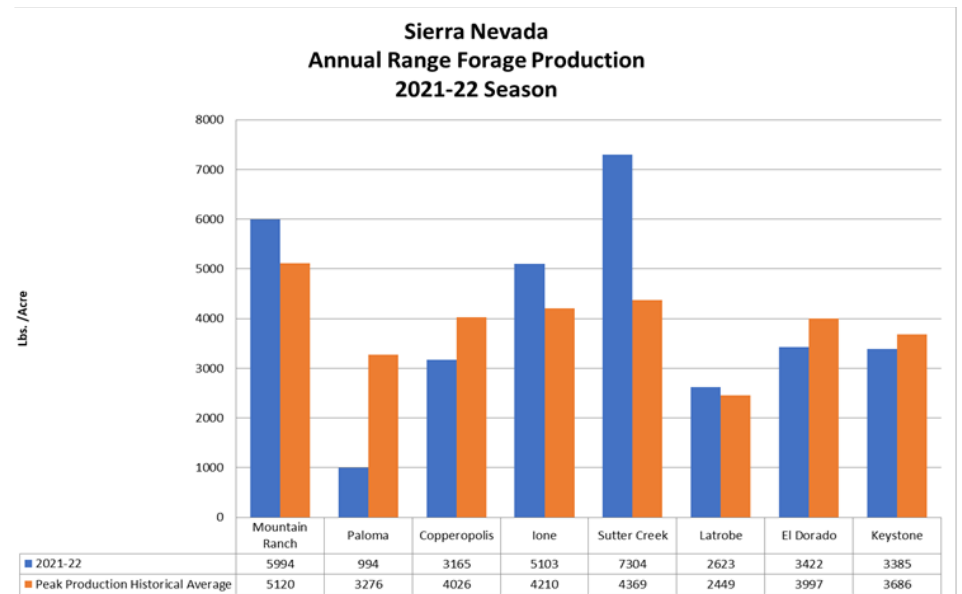
Using advances in satellite-based remote sensing technologies to provide near real-time forage production data on annual rangelands.

- **Annual Rangeland Forage Production Study**

In its 28th year, this data is used in part by the USDA Farm Service Agency as part of the Livestock Forage Disaster Program.



Models are developed from numerous exclosures across the state



Livestock and Natural Resources

- Coordinating with the Agriculture department on the development of the Ag Pass
- Keeping Animals Safe (Biosecurity) Workshop- 34 participants
- Presentation at the Ag Dinner Roundtable
- Numerous meetings with EDC Farm Bureau & Amador-El Dorado-Sacramento Cattlemen's Association
- Several dozen ranch visits
- Awarded a \$300K USDA NRCS grant to examine virtual fence technology.
- Finalizing a \$400K USDA Climate Smart Commodities grant with the American Lamb Board – Project will examine carbon sequestration associated with prescribed sheep grazing on four different sites throughout the country – one of which will be in El Dorado County.



Forestry and Natural Resources

- **El Dorado/Amador Prescribed Burn Association (PBA)**
 - Formed 8/2021 through meetings and workshops held by Forestry Advisor Susie Kocher for El Dorado and Amador Counties residents interested in learning to use prescribed fire.
 - Steering committee formed 11/ 2021
 - Broadcast burns held on residents' property 1/2022 in Pilot Hill (invasive blackberries), May 2022 in Placerville (fuels reduction), 2/2023 in Pilot Hill (fuels reduction), twice in 5/2023 in Georgetown (fuels reduction)
 - Rx 101 workshop for 30 people with American River Conservancy in 3/23
- **Forest Stewardship Education Initiative**
- 9 week-long workshop series on forest management planning began in 1/2020.
 - 17 participants in from El Dorado county in reporting year
"I got a lot from this field day. It was very informative to tour Rx burn units and compare them to untreated areas."
- **Post Fire Forest Resilience Workshop Series**
 - 7 week-long workshop series on post fire forest restoration in Fall 2022 focused on Caldor Fire
 - 60 participants overall, 10 from El Dorado county



Number of all participants (2020 – 2022) expressing some to expert level of knowledge on topics before and after the workshop



Woody Biomass and Forest Products

- Presentation to EDC Ag Round Up Dinner
- Monthly meetings with El Dorado County's SOFAR workgroup that helps the county's facility owners, non-profits, and schools apply for grants and move projects forward. Helping push forward the effort to develop a wood products campus in El Dorado County.
- Helped Black Oak Mine Unified School District with its workforce development program grant application. Connecting Folsom Lake College's Dean of Instruction, Math, Science, and Engineering with the school district to develop and expand the work training program of the school district. Letter of support for the BOMUSD's appropriation application. Continuing effort is in progress.
- Conversations with US Forest Service folks located at the El Dorado Forest to discuss how the county can take advantage of the wood products market, as well as challenges facilities are facing.
- Working with SOFAR workgroup and other UCCE advisors in exploring potential market and research funding for biochar

Local Food Systems

- Presentation to El Dorado Wine grape grower's association on 10/19/2022 on frost protection practices and shared results from a cover crop study. This was attended by 17 people.
- 11 farm calls on insect pest management and information on planting new crops.
- Hosted a table on emerging issues in agriculture on 10/1/2022 for Fall into Gardening Day at Sherwood Demonstration Garden, Placerville.

The broader and longer-term impact of this work would be on economic prosperity in the El Dorado County by promoting sustainable agricultural practices to increase the efficiency of crop production, further resulting in improved individual and household financial stability.

Thank you

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