## Introduction to Livestock Ponds in Alameda And Contra Costa Counties

2022 Central Coast Rangeland Coalition Fall 2022 Workshop

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### Ponds in Alameda County and Contra Costa Counties History

- Majority built between 1950s-1970s for livestock water
- Most designed and funded by NRCS (Soil Conservation Service)

#### Stock Ponds Put Arid Livermore Hills To Good Use

Information Specialist to big lakes, helps in its way to Soll Conservation Service stave off floods in normal and What can ranchers do when high intensity runoff scasons. re's lots of good summer feed It's estimated that the 350 urs a lick of stock water? small dams in use in the county lifornia stockmen are find- store about 1,000 acre feet of ng the answer today in low-cost water or enough to cover a thoustorage ponds, handy to upland sand acres one foot deep. nd mountain meadow grazing. Ponds also provide ranchers surred on by their soil conserva- and the Alameda County Fire on district's technical assistance Patrol with water for controlling ogram, they've dug around 7,- grass fires. 00 water "holes" in high coun-And pond owners aren't overlooking the recreational values of any more ponds are needed their reservoirs. Fishing is good

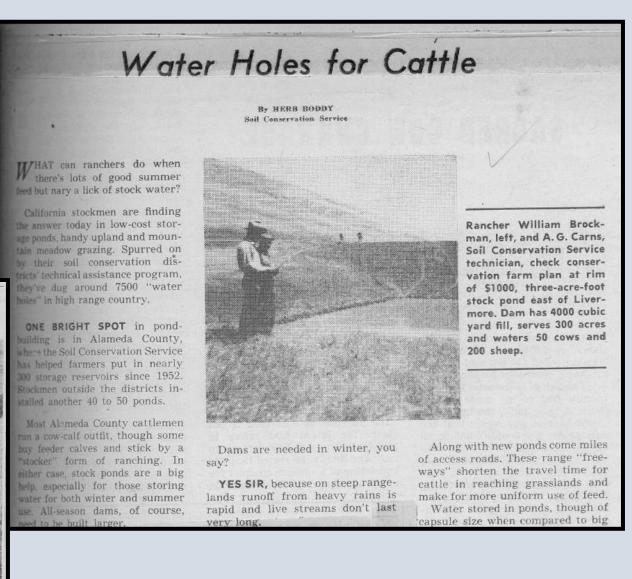
WITH GOVERNMENT HELP

face cattle can be turned losse a singe acreaces of little-grazed reasiands over the state. Be of the real bright spots in De of these ponds. HOW TO DO IT Let's say you want to build a

Figuiding is in Alameda First thing to do, says Carns, by where since 1952, the is to pick a suitable site for your Conservation Service has dam.

sevent farmers and ranchers put stochmen outside the districts stalled another 50 to 50 ponds. To get the facts about ponds, to looked up Art Carns, who own his Lucermore SCS office, as a beiper ranchers in the East ran and Western Alameda SCD's owk out many tough water roblemat.

Carns told us, "With livestock nater from wells and springs so norr, pands are the rancher's



### **Types of ponds**

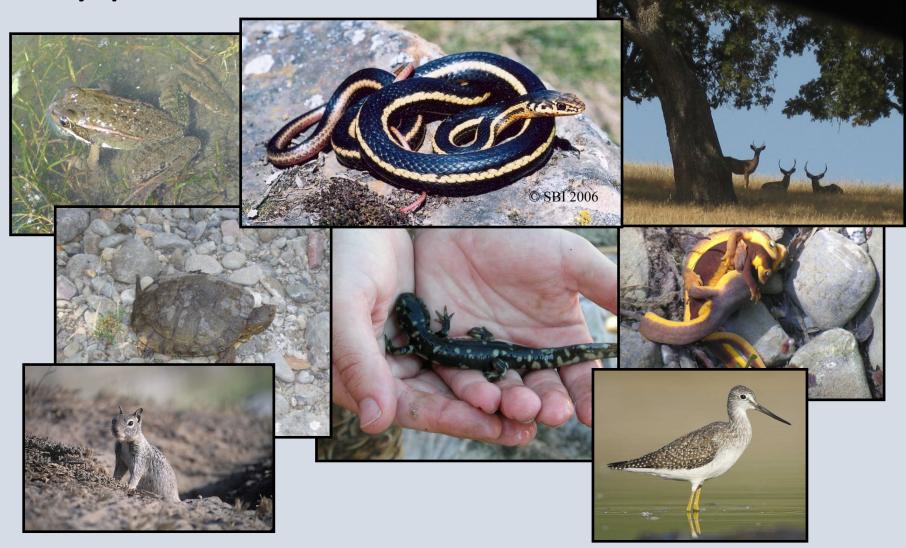




- Perennial
- Seasonal
- Emergent Vegetation
- Submergent Vegetation
- Springfed
- Rainfed
- Human-made
- Very Few "natural"

### **An Incidental Benefit**

## Livestock ponds built for cattle now provide important habitat for many species







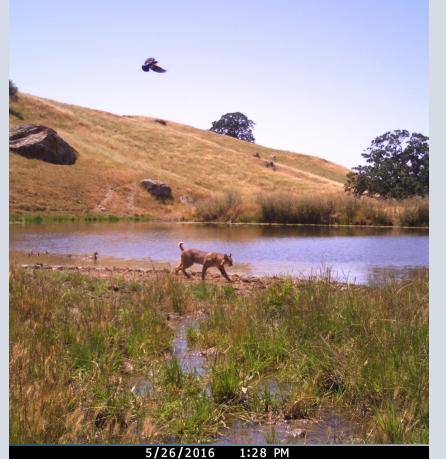


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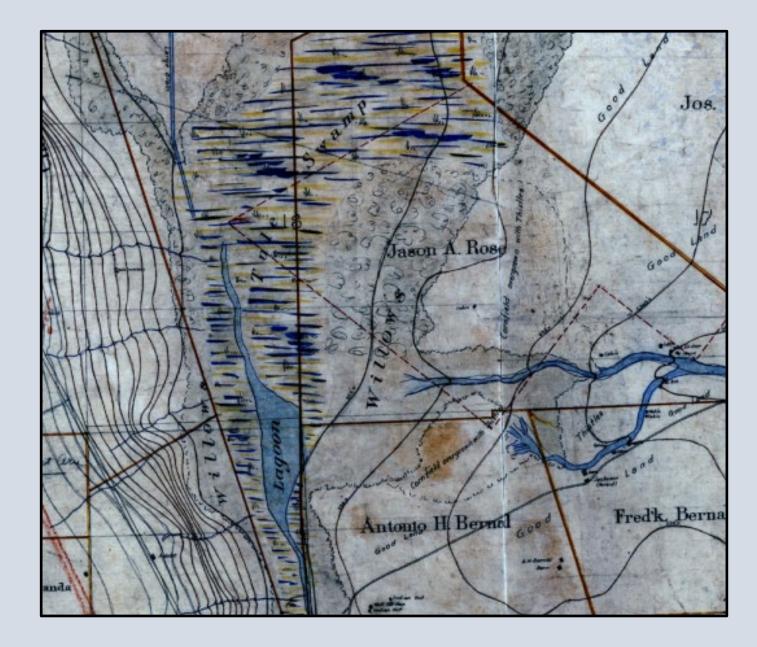






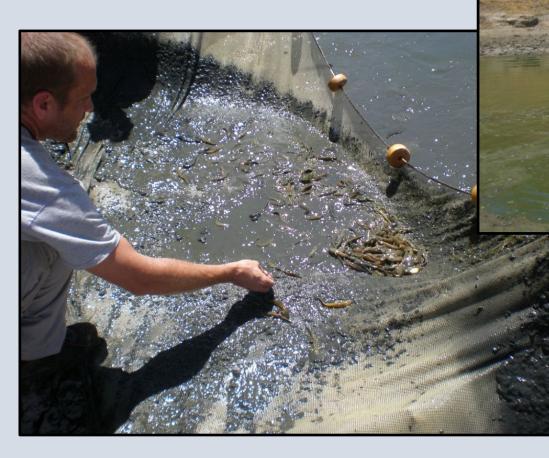
### **Replacement Habitat**

- Historical habitat
  - Slow-moving creeks
  - Wetlands
- More habitat now because of livestock ponds?



### Livestock Use Today

- Species Compatibility
- Critical during drought
- Grazing distribution
- Back up for livestock water systems





### **Ponds Today**





### What We Are Doing

- Working collaboratively with ranchers and partners
- Utilizing learned information to inform project-related decision making
- Funding
- Regulatory coordination
- Engineering to ensure longevity



# **Brief Overview of Process**

Site assessment and feasibility at request of client



Funding sources secured, permitting, & design

Implementation (August 31-October 31)

Optional Monitoring Contact Info: Jackie Charbonneau jackie.Charbonneau@usda.gov (925) 453-3864

