

Environmental Services Division Update

Subregional Technical Advisory Committee
November 7, 2024



OUR FUTURE IN EVERY DRÖP

Discussions

- Report of Waste Discharge
- Kelly Farm Mitigation Bank Update
- Trucked Waste Update



Report of Waste Discharge

- Culmination of a 4-year work plan
- Salt and Nutrient Management Plan
- Title 22 Engineering Report
- Mixing Zone Study
- Pathogen Special Study
- Engineering Evaluation of Recycled Water Ponds and Outfalls
- Local Limits Evaluation
- Sewer Use Ordinance Evaluation
- Disaster Preparedness Assessment
- Storage Pond Integrity Monitoring Program



OUR FUTURE IN EVERY DRÖP

Kelly Farm Mitigation Bank - Project Overview

- Develop ~100 acre CA tiger salamander (CTS) and wetland mitigation bank.
- CTS on site.
- Leased for hay production.
- Bank would cease irrigation and enhance and expand CTS and wetland habitat.



Estimated Cost of Establishing 100 Acre Bank

- | | |
|---|--------------------|
| • Studies, fees, permitting, and design | \$650,000 |
| • Construction | \$5,000,000 |
| • Interim monitoring and management | \$250,000 |
| • Endowment | <u>\$2,000,000</u> |
| • Total | \$7,900,000 |
-
- Current Cost to buy 100 acres of CTS credit - \$20,000,000
 - Potential Savings if bank developed (100 ac) - \$12,100,000



OUR FUTURE IN EVERY DRÖP

Current Status

- Biological surveys completed
- Bank Prospectus (Plan) accepted by resources agencies
- Draft Construction Plan (90%).
- Conservation Easement and Endowment for Easement Services



OUR FUTURE IN EVERY DRÖP



KELLY FARM MITIGATION BANK

City of Santa Rosa
Sonoma County, California

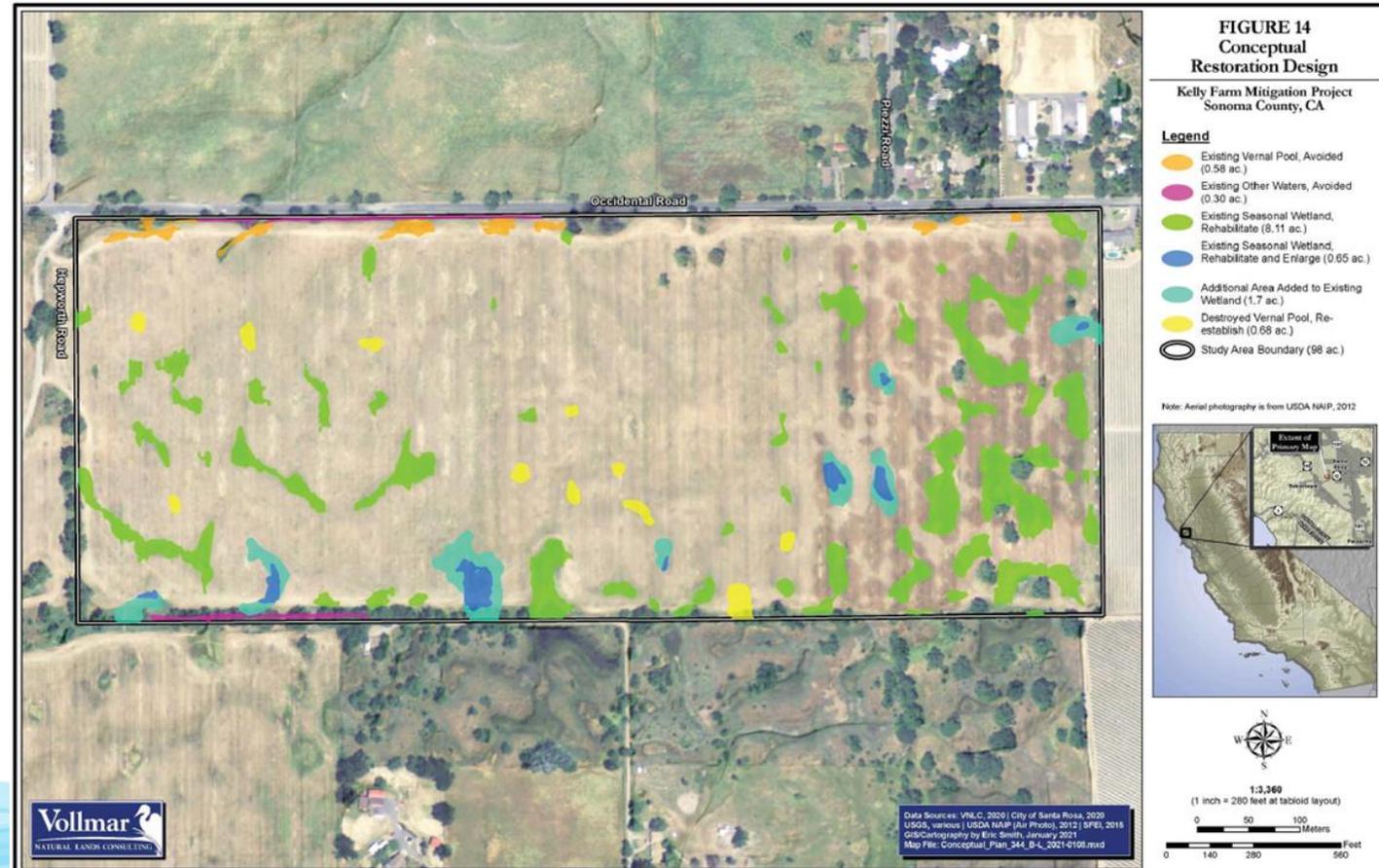


FIGURE 14
Conceptual
Restoration Design

Kelly Farm Mitigation Project
Sonoma County, CA

Legend

- Existing Vernal Pool, Avoided (0.58 ac.)
- Existing Other Waters, Avoided (0.30 ac.)
- Existing Seasonal Wetland, Rehabilitate (8.11 ac.)
- Existing Seasonal Wetland, Rehabilitate and Enlarge (0.65 ac.)
- Additional Area Added to Existing Wetland (1.7 ac.)
- Destroyed Vernal Pool, Re-establish (0.68 ac.)
- Study Area Boundary (98 ac.)

Note: Aerial photography is from USDA NAIP, 2012.



1:3,360
(1 inch = 200 feet at tabloid layout)



Next Steps

- Subordinate Open Space Conservation Easement to Mitigation Bank Easement
- Finalize construction details
- Where to place and how many wetlands to build
- Bid construction contract
- 5 years of monitoring



Review of Trucked Waste Program

- Revenue and tipping volumes
- Program changes



Waste Types Accepted

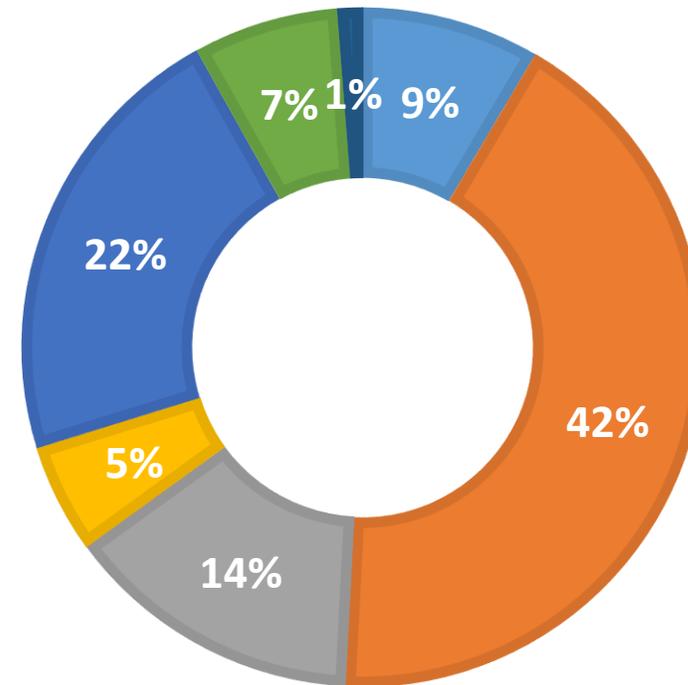
- **Septic Receiving -**
 - Portable Toilets/Chemical Toilets*
 - Septic Tank Cleanouts*
- **High Strength Waste Station-**
 - Animal Processing Waste*
 - Beverage Processing Waste*
 - Fats, Oils, and Grease*
 - Food Processing Liquids*
- **Emergency Holding Basin-**
 - Equipment Rinsate*
 - Groundwater*
 - Landfill Leachate*



Trucked Waste Program

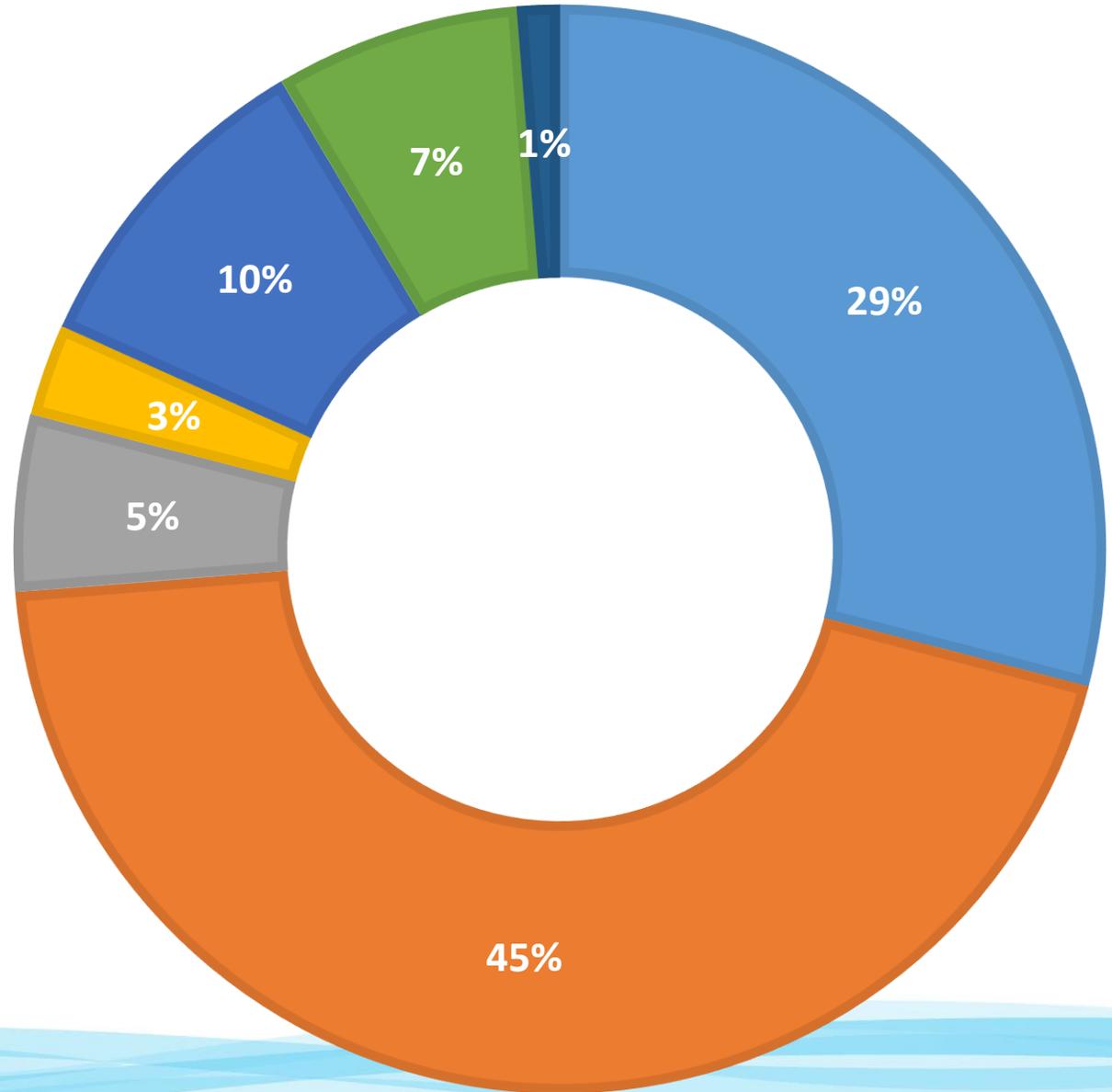
PERCENT VOLUME

- Septic
- Medium Strength
- Mecham_Leachate*
- Low_Strength_Waste
- Leachate*
- HSW -Receive Station
- Gray_Water



PERCENT REVENUE

- Septic
- Medium Strength
- Mecham_Leachate*
- Low_Strength_Waste
- Leachate*
- HSW -Receive Station
- Gray_Water



Waste Type	Volume	Revenue
Septic	9,592,985	\$1,247,088
Medium Strength	47,937,670	\$1,917,507
Mecham_Leachate*	16,076,800	\$225,075
Low_Strength_Waste	5,889,860	\$117,797
Leachate*	24,581,980	\$417,894
HSW	7,803,380	\$312,135
Gray_Water	1,348,840	\$53,954
Total	113,231,515	\$4,291,450



OUR FUTURE IN EVERY DRÖP

Trucked Waste Coordinator

- Job Description is being finalized by HR
- Report to Environmental Compliance Supervisor
- Position was added in FY24/25 budget; could be re-classified through Mid-Year Budget Revise
- Will develop programs to increase monitoring and evaluation of trucks
- Support the program to be right-sized for our operational capacities
- Work closely with operations and maintenance staff to identify issues and develop solutions



OUR FUTURE IN EVERY DRÖP

Questions



OUR FUTURE IN EVERY DRÖP