## Panel 2: Planning & Permitting







**CAMERON CARR** 

**Bay Planning Coalition MODERATOR** 

## Panel 2: Planning & Permitting



## Alexander Gordon

#### Assistant Officer of Emergency, Security, & Safety Division

Valley Water





# Valley Water

Clean Water • Healthy Environment • Flood Protection

Valley Water PPT Template Version Release v.3



### **Emergency Preparedness and Response** Presented by: Alexander Gordon, Assistant Officer for Emergency, Safety and Security Division





- Emergency Planning
- Training and Exercise
- 2023 Winter Storms Response and Recovery





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### **Emergency Planning**

#### Emergency Operations Plan

• Core plan for agency

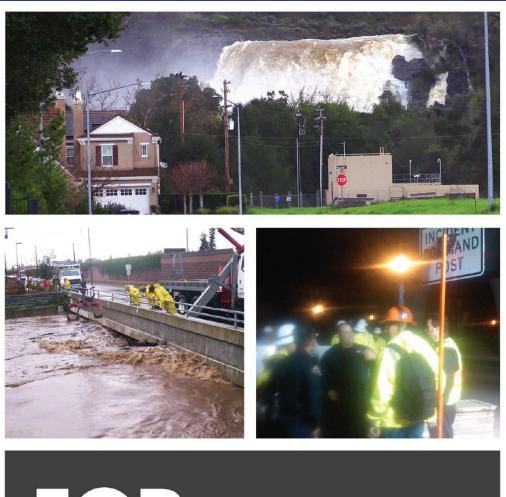
#### Local Hazard Mitigation Plan

- Partner with Santa Clara County
- Reducing risk and impact

#### • Emergency Action Plans (EAPs)

- Creeks and reservoirs
- Location and scenario specific
- Developed with municipal jurisdictions





EOP EMERGENCY OPERATIONS PLAN

SANTA CLARA VALLEY WATER DISTRICT



### **Emergency Action Plans**

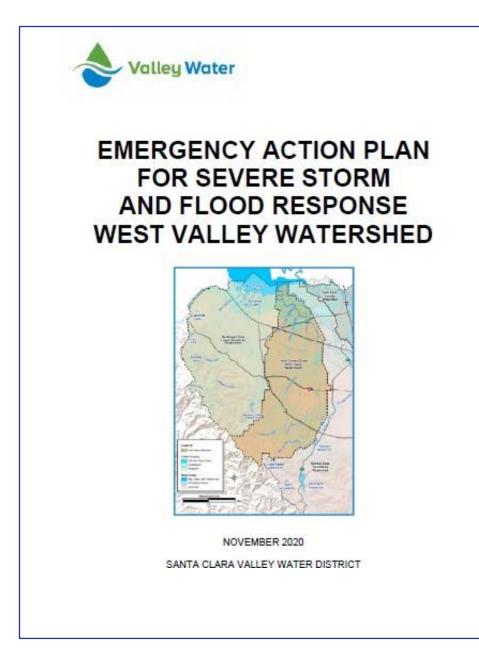
#### Flood/Stream EAP

- Developed in collaboration with appropriate cities
- Joint EAP with San Jose
- Project F2 Safe Clean Water

#### Dam EAPs

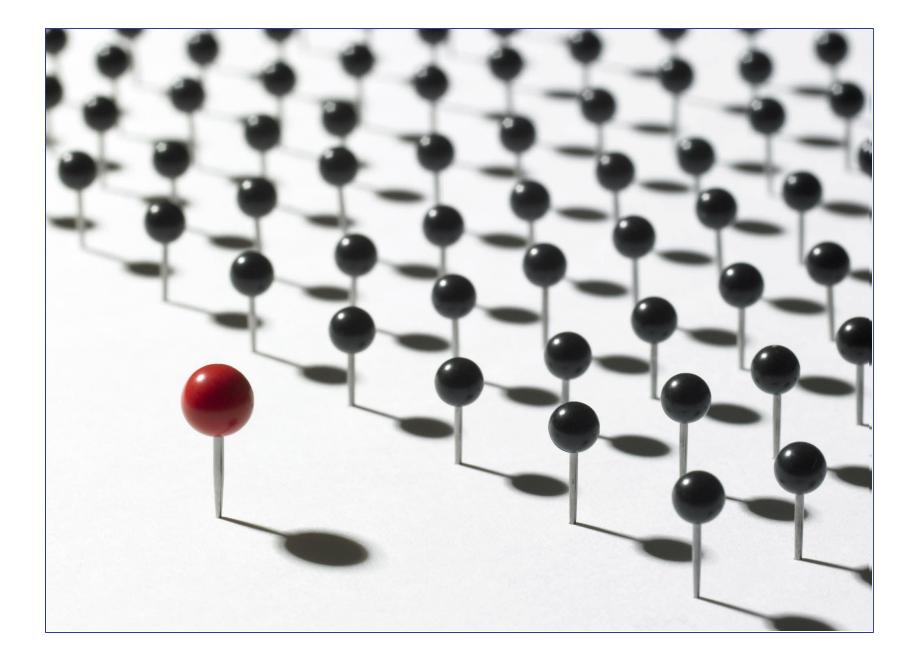
- Downstream Agencies
- Floodplain, inundation maps
- Anderson Dam and FERC





#### https://www.valleywater.org/flooding-safety/flood-emergency-action-plans

### **Emergency Training and Exercise**





• Leadership Dire

• EOC Staff Trai

۷a

• EAP Exercises

 After Action Rep Plans

### Winter Storms - 2023

- National Weather Service V.W. potential flooding projections
- Internal comm. via Teams
- Coordination w/cities & county
  - Teams and Zoom
- PIO and Social Media
- Evacuation is city/county authority









#### West Little Llagas Crk at Llagas Rd, Morgan Hill

### Winter Storms - 2023

- Emergency Repairs
- Sandbags
- Debris removal
- EOC Documentation
- FEMA Cost Recovery





#### Fysa – Uvas Creek at 101

## QUESTIONS





TREAS.



# Valley Water

Clean Water • Healthy Environment • Flood Protection

### 2023 SPRING SUMMIT Emergency Preparedness & Response

**Review Review R** 

## Panel 2: Planning & Permitting



## Steven Ritchie

San Francisco Public Utilities Commission (SFPUC)

#### Assistant General Manager of Water Enterprises





### SFPUC Water System Emergency Response **Preparation and Planning**

Steven R. Ritchie Assistant General Manager, Water May 24, 2023



#### **Regional Water System Schematic**

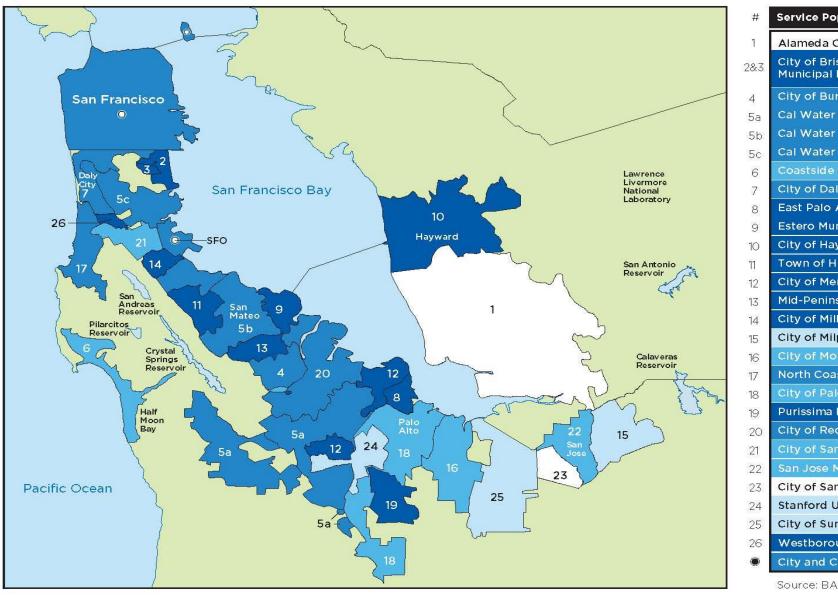




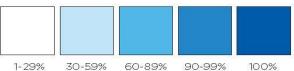
#### **Our Customers**

#### Bay Area Reliance on Hetch Hetchy Regional Water System

The Hetch Hetchy Regional Water System supplies high-quality drinking water to over 2.7 million residents and businesses throughout the San Francisco Bay Area. Of the 26 wholesale customers, 21 rely on the Regional System for more than 60% of their drinking water supply.



Percentage of Hetch Hetchy Regional Water System to total water supply



ppulation	MGD purchased from SFPUC	% of total supply
County Water District - 356,160	7.78	21%
isbane / Guadalupe Valley Improvement District - 4,587	0.66	100%
rlingame - 31,109	3.42	91.9%
Service Co. / Bear Gulch		
Service Co. / Mid-Peninsula 262,140	27.79	97.1%
Service Co. / SSF		
County Water District - 16,811	1.12	62.6%
ly City - 109,139	5.86	93.9%
Alto - 26,181	1.56	100%
nicipal Improvement District - 37,861	4.04	100%
yward - 160,500	13.98	100%
lillsborough - 10,869	2.31	100%
nlo Park - 17,648	2.84	100%
sula Water District - 26,924	2.50	100%
lbrae - 23,168	1.95	100%
pitas - 74,865	5.30	56.4%
ountain View - 79,492	7.21	83.4%
st County Water District - 40,000	2.29	97.9%
lo Alto - 67,709	9.43	87.2%
Hills Water District - 6,150	1.58	100%
dwood City - 87,023	8.08	92.9%
n Bruno - 44,409	2.49	88.3%
Municipal Water System, North - 16,032	4.27	82.9%
nta Clara - 129,604	3.02	15.5%
Jniversity - 32,578	1.43	56.7%
nnyvale - 155,567	9.01	53.4%
ugh Water District - 12,703	0.78	100%
County of San Francisco - 897,806	62.7	96.8%

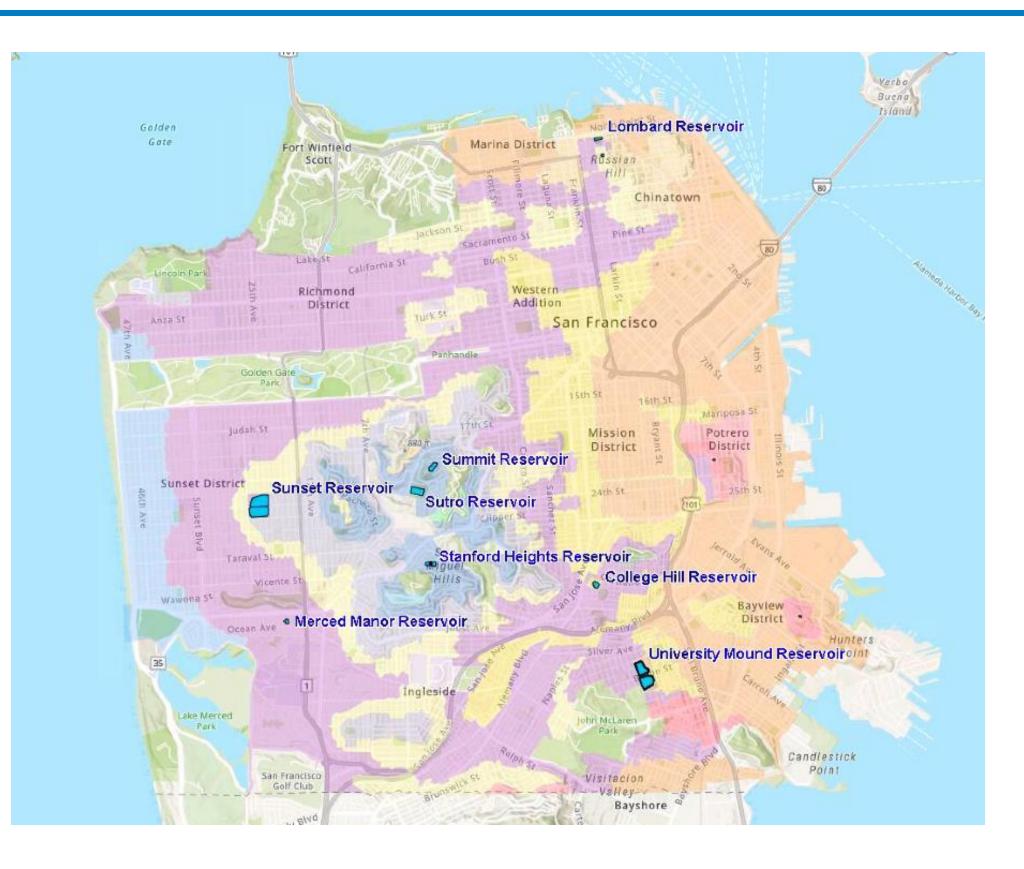
Source: BAWSCA FY 2018-19 Annual Survey





#### **City Distribution Division – Major Reservoirs and Distribution Zones**

- 1,260 miles of distribution mains
- 180,000 service connections
- 16 reservoirs and tanks





- Earthquakes (Loma Prieta 1989)
- Wildfires (Rim Fire 2013)
- Power outages (Public Safety Power Shutoffs 2019)
- Winter storms (Atmospheric Rivers 2023)
- Unexpected pipeline failures (Stern Grove 2021, etc.)
- Droughts (2014-16 and 2020-22)

29



#### **Planning and Peparedness**

- Working with SFDEM and parallel entities in other counties (San Mateo, Santa Clara, Alameda, Tuolumne)
- Emergency backup generators
- Emergency contracting authority
- Wildfire Response Plans (shutoffs)
- Redundancy wherever possible
- Planning with Wholesale Customers
- Learn from experience

## 2023 SPRING SUMMIT

Emergency Preparedness & Response

**Review Review R** 

## Panel 2: Planning & Permitting



## Sheryl Sablan

### Acting District 4 Division Chief

Caltrans





## ENVIRONMENTALAND EMERGENCY RESPONSE

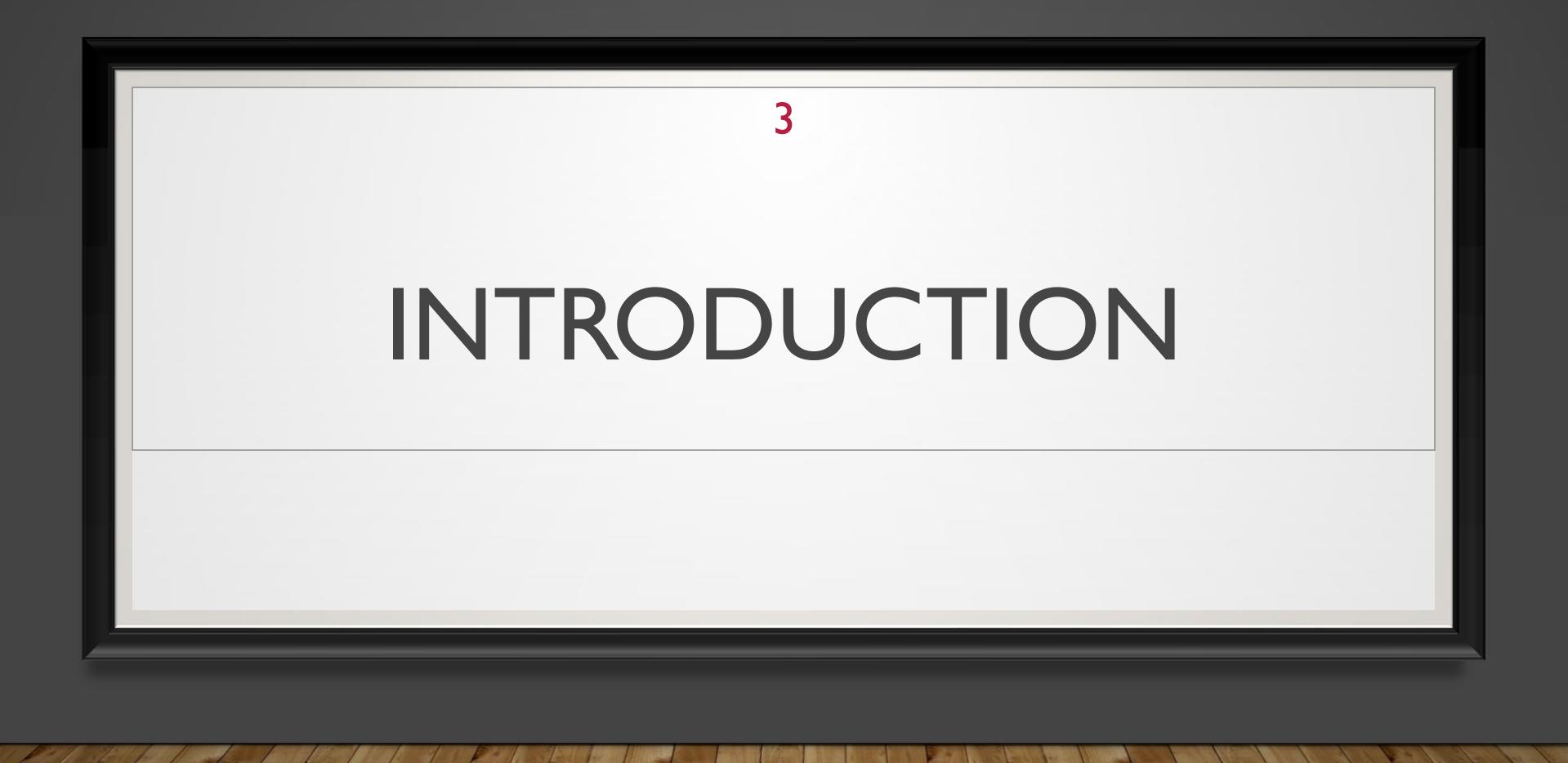
MAY 24,2023

#### WHAT IWILL COVER

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Introduction	Environmental Regulations	Risk Management	
Emergency Environmental Permitting Benefits	Environmental Monitoring and Reporting	Why We Monitor	F





### ENVIRONMENTAL REGULATIONS





## EMERGENCY ENVIRONMENTAL PERMITTING

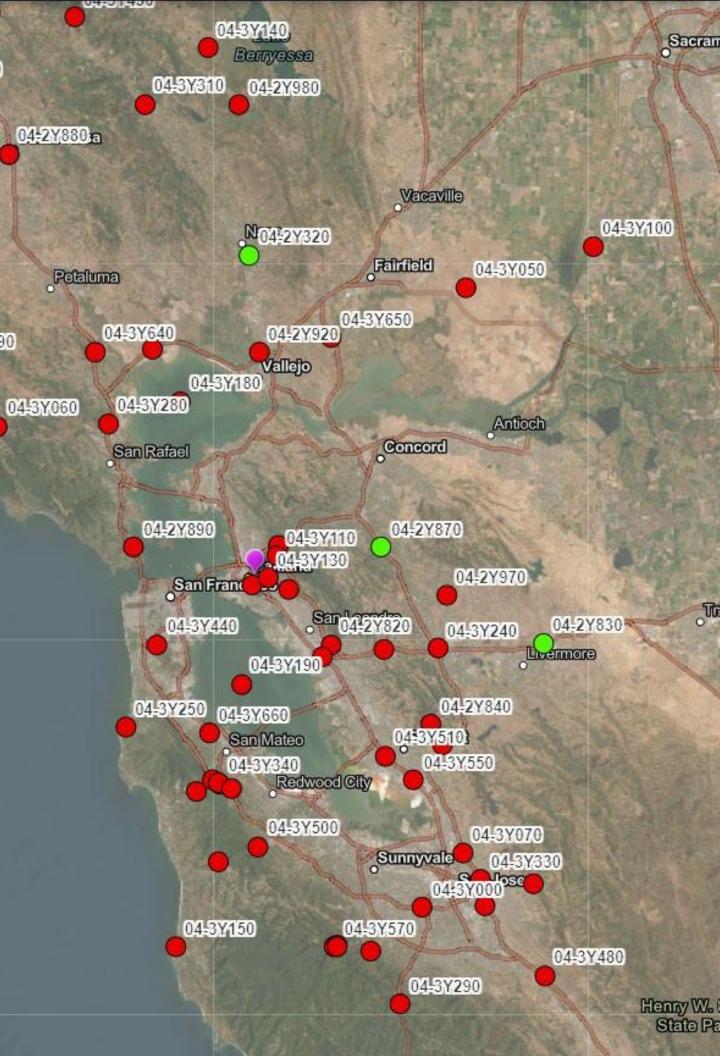
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### STORM DAMAGE GIS MAP

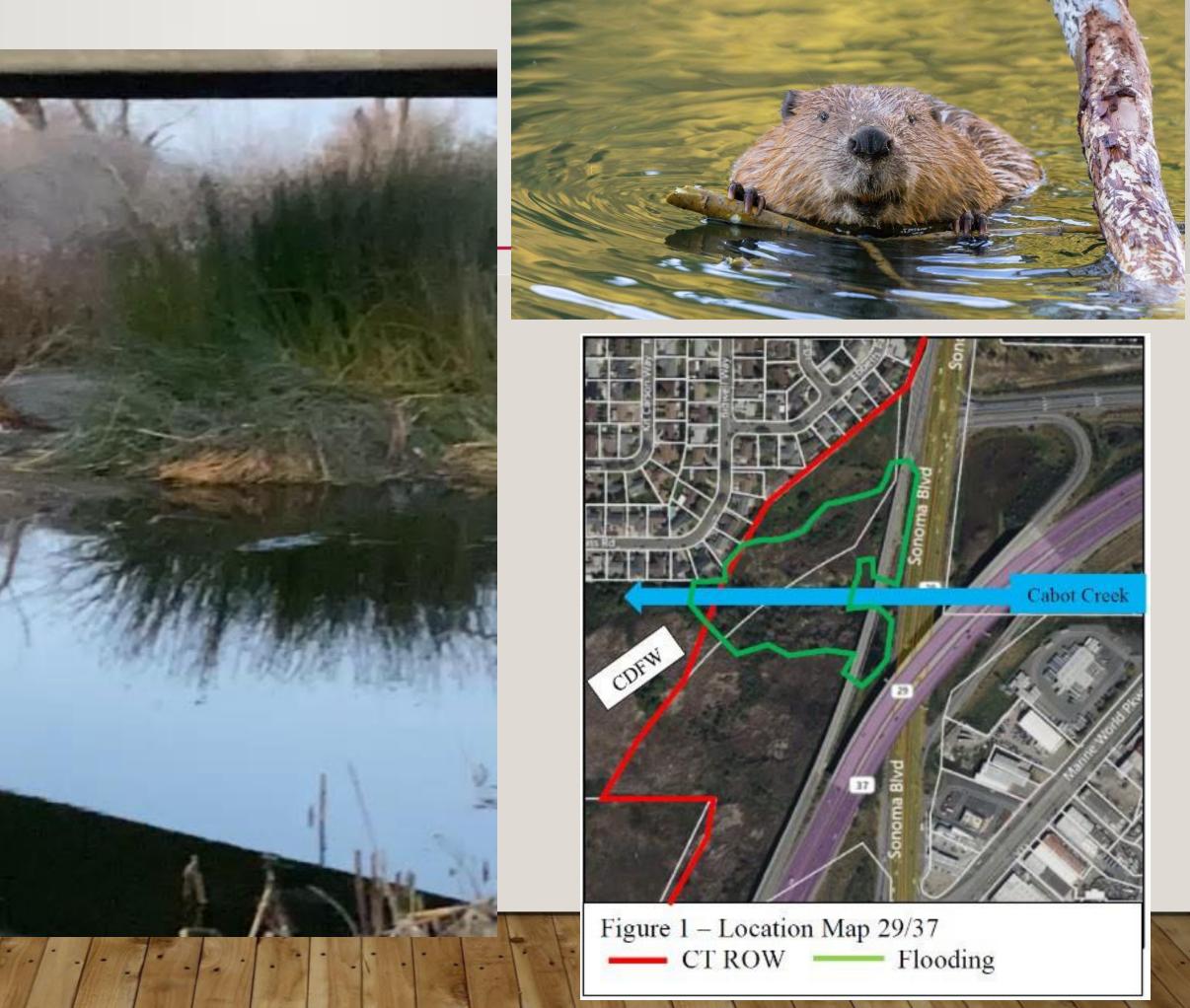
04-3Y530 04-2Y990 04-3Y020 04-3Y020 04-3Y020 04-2Y930 04-2Y930 04-2Y930 04-2Y930 04-3Y230 04-3Y24 04-3Y24 04-3Y24 04-3Y24 04-3Y24 04-3Y24 04-3Y24 0





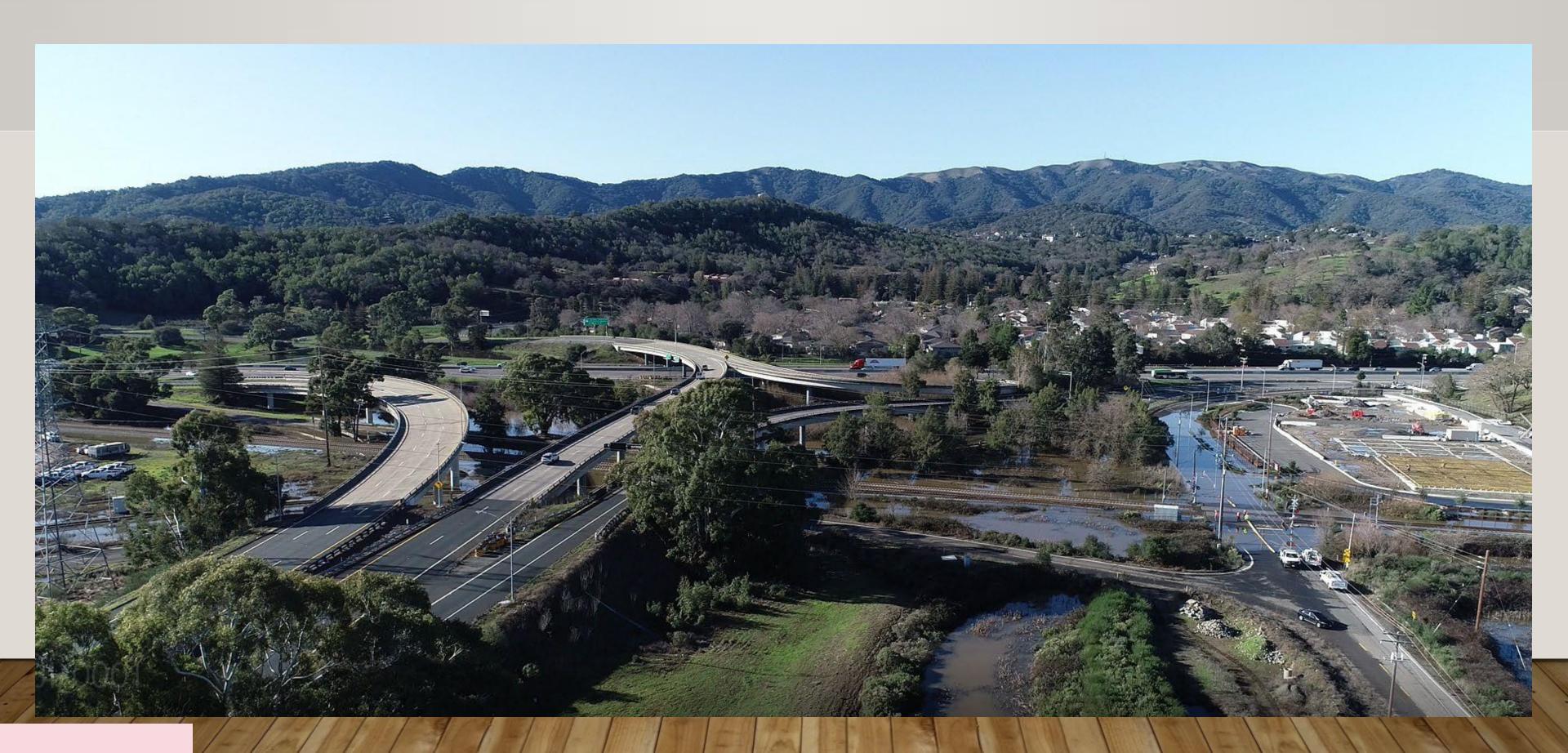
#### Hwy 37/29 – Beaver Dam

#### Causing flooding into resident properties

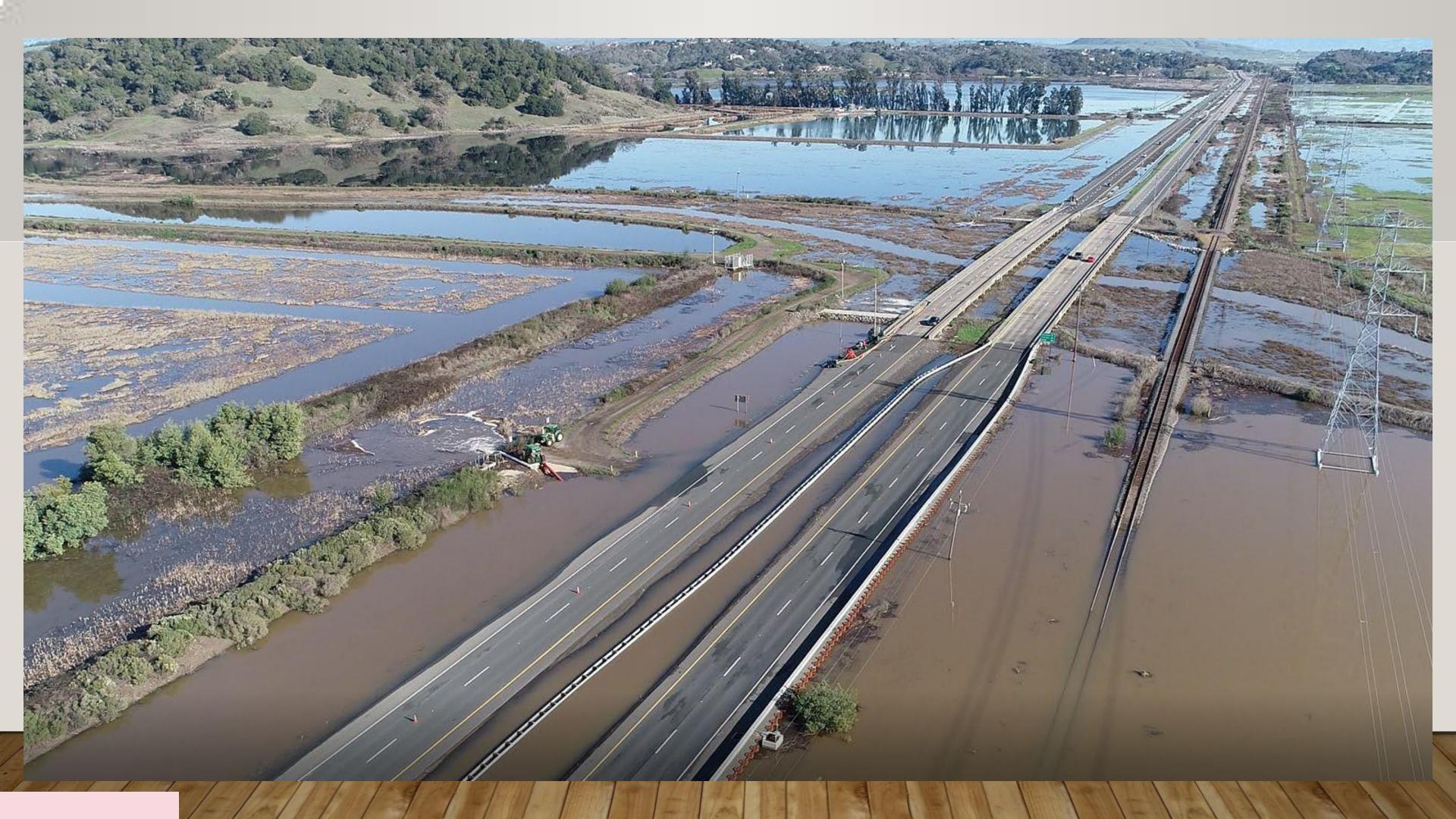


### Marin 37 PM II at Novato Creek

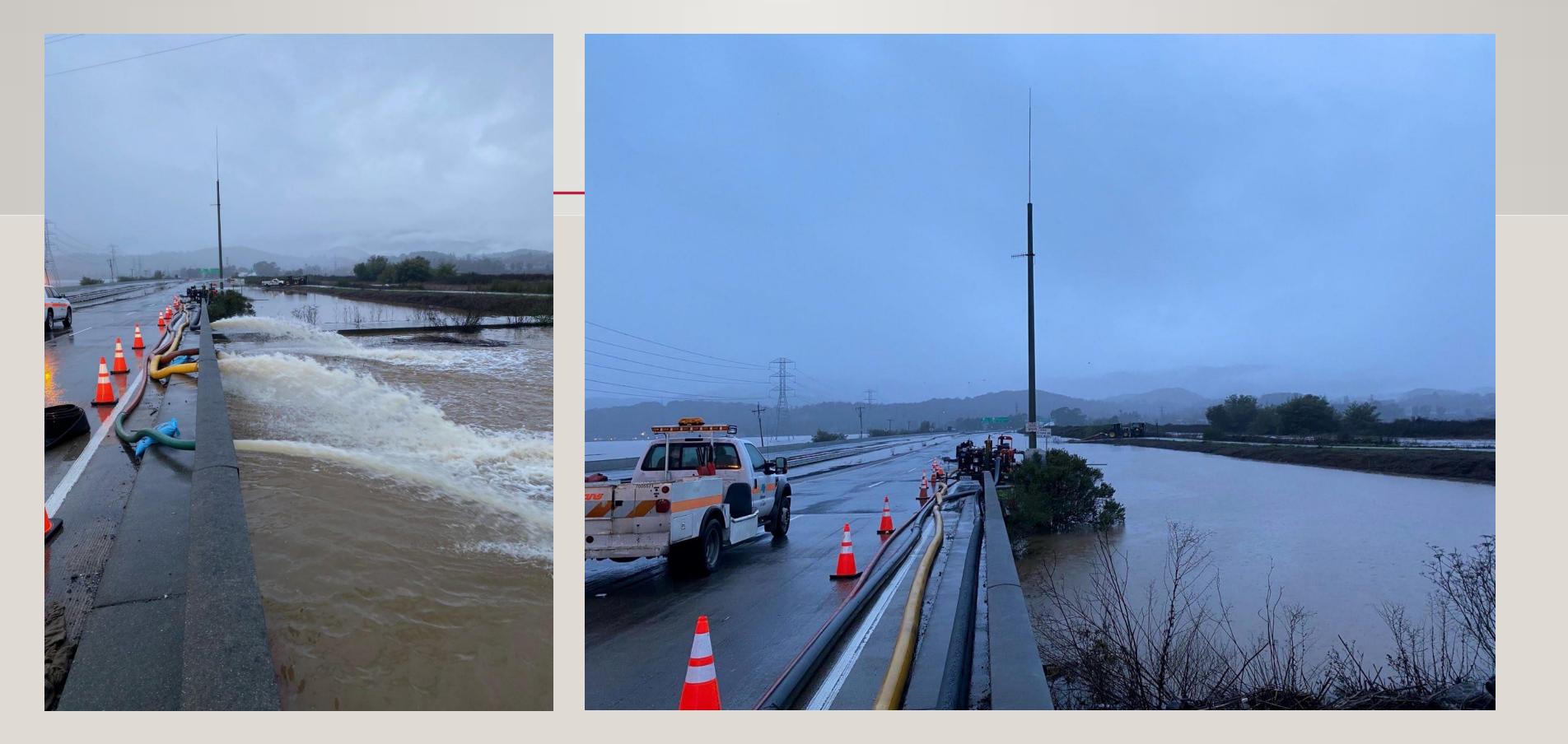
• Reported flooding the roadway on January 14









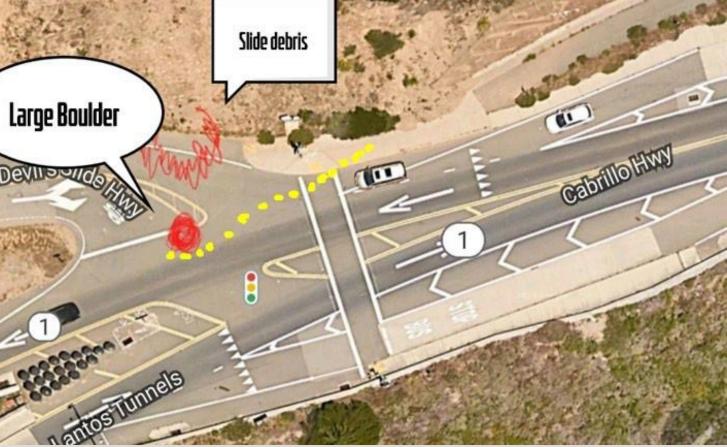






### SM – I - Devil's Slide Big Boulder

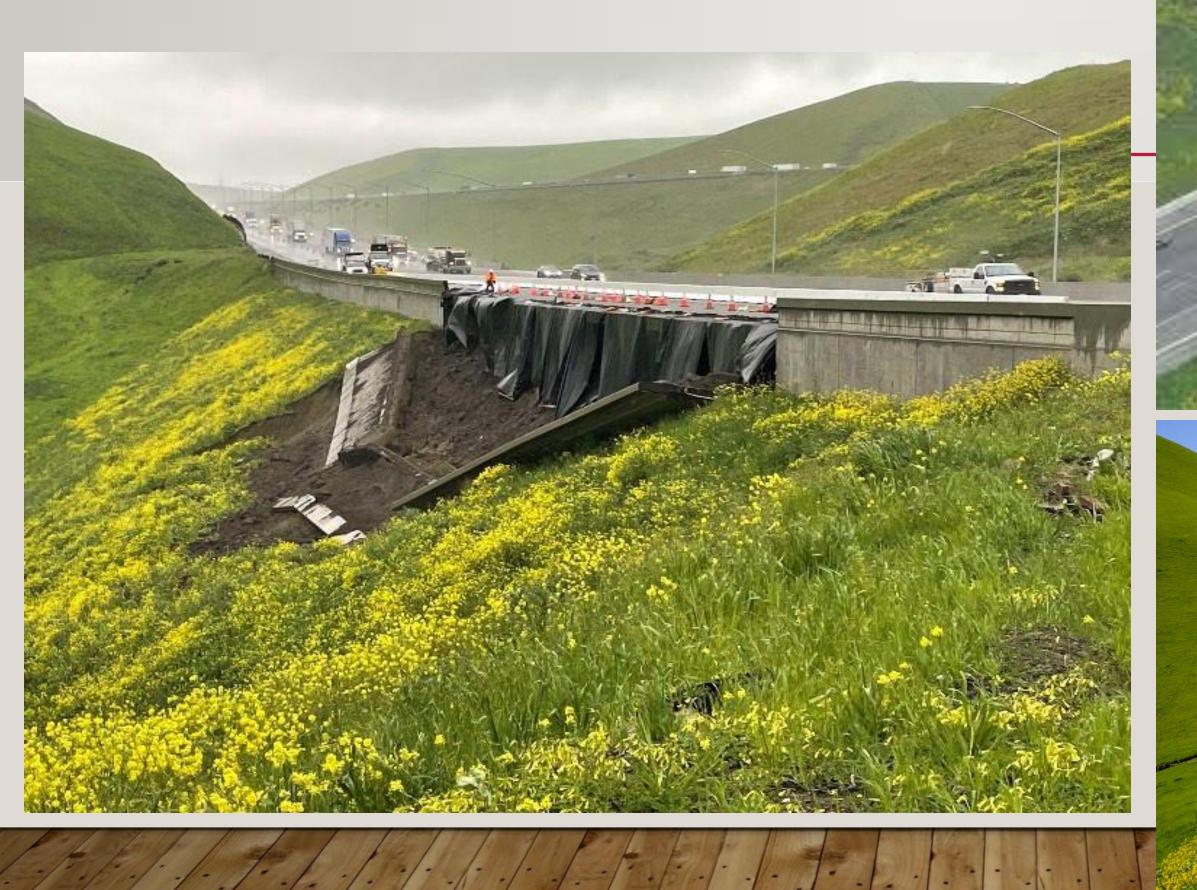






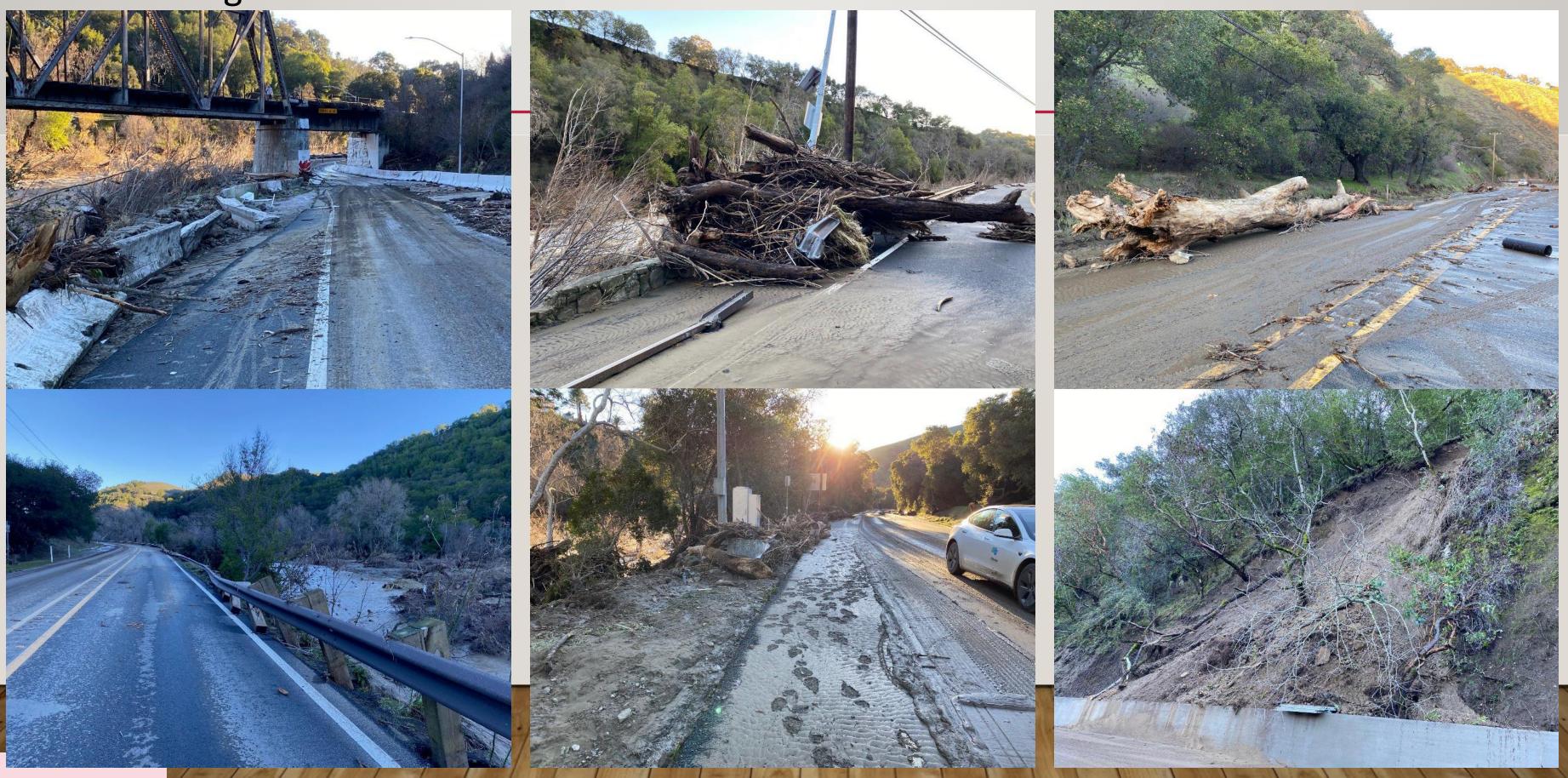


#### ALA 580 PM 20.8 – Altamont Pass





#### ALA 84 Mission Blvd to I-680 (Sunol) Flood Damage



### EMERGENCY ENVIRONMENTAL PERMITTING - BENEFITS

8



5/19/2023

### ENVIRONMENTAL MONITORING AND REPORTING

19



5/19/2023

### WHY WE MONITOR

- Environmental Compliance with Federal and State laws.
- Compliance with permit conditions.
- Confirmation that Avoidance and Minimization measures to protect resources are being implemented.



### ENVIRONMENTAL POLICIES AND LAWS

- CA Environmental Quality Act (CEQA)
- National Environmental Policy Act (NEPA)
- Species Act
- Clean Water Act (e.g. Section 401 and 404)
- Migratory Bird Treaty Act
- CA Coastal Act
- McAteer-Petris Act



### CONCLUSION

- Coordinate Early and Often
  - Avoidance of costly Mistakes
  - Ensuring Compliance with Regulations
  - Minimizing Negative Impacts

