



**WATER  
AGENCY**

# 2022-23 Storm Response & Road to Recovery

DR-4683 December 27, 2022 to January 31, 2023

DR-4699 February 21, 2023 to July 10, 2023

Alameda Creek Watershed Forum

May 2025

# Part 1. Overview



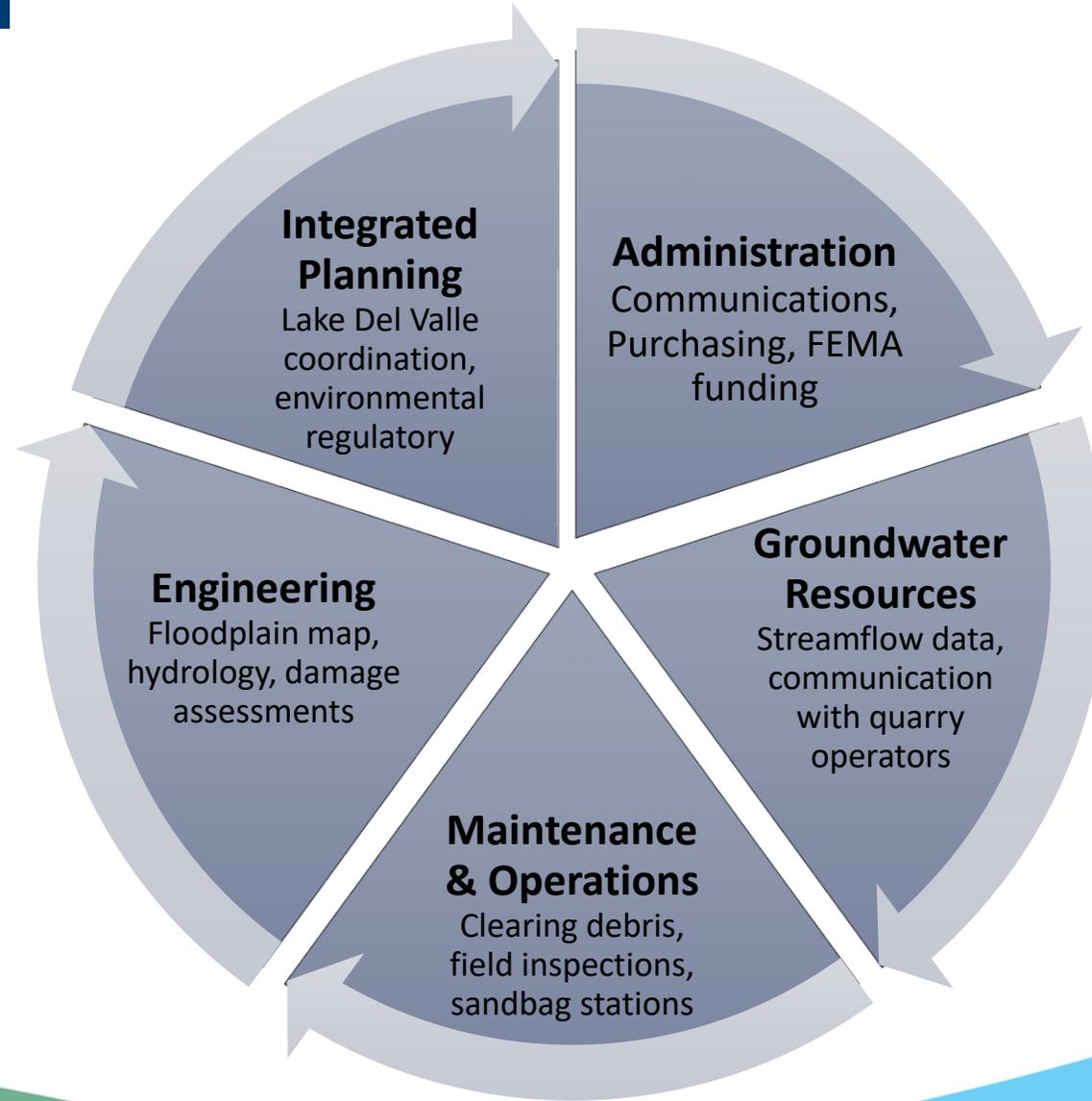
# 2022-23 Storm Response

- ✓ Intense storm activity between December 31, 2022 and mid-March 2023
- ✓ The New Year's Eve storm resulted in record-setting flows in local creeks and channels (high sustained flows)
- ✓ DWR releases from Lake Del Valle beginning January 1, 2023
- ✓ Zone 7 Declaration of Flood Emergency on both February 1, 2023 and April 19, 2023
- ✓ Focus was on emergency response first; damages assessed in detail as feasible
- ✓ Nearly 200 damages in all, plus miles of debris



## Team Information Flow

- ✓ “Storm Watch 2023” team at Zone 7 – much information across many sections



# 2022-23 Storm Response

## Communications

- ✓ Web & Social
  - Website updates
  - Facebook, Nextdoor posts
- ✓ Emergency Operations / Briefings
  - DWR briefings
  - City and County emergency communication systems
- ✓ City staff
- ✓ Public inquiries (web, calls)



### PLACE SANDBAGS CORRECTLY

Sandbagging is not as simple as throwing up a barricade! Flood Ready Freddy is here to show you how to properly stack sandbags and keep flood waters outside the home, where they belong. Follow along with Flood Ready Freddy on our video and [handout](#) on how to properly stack your sandbags!



Are you flood ready? Here are some additional things you can do to prepare and stay safe:

- Pack an emergency preparedness kit
- Adopt your neighborhood storm drain and keep it clear of debris
- Stay off all trails due to potential mudslides and overflowing creeks
- Avoid travel if possible, but keep your vehicle fueled or charged in preparation for evacuations or power outages
- Keep your cell phone charged and check flashlight batteries
- Sign up for emergency alerts at [www.acalert.org](http://www.acalert.org)
- Follow our Facebook page at [www.facebook.com/Zone7Water](http://www.facebook.com/Zone7Water) for updates

Zone 7 Water Agency  
4d · 🌐

Be prepared! More stormy weather is on the way. Zone 7 has sand and bags available to fill at our two sandbag locations and will be maintaining and restocking throughout the day. For locations visit [www.zone7water.com/sandbags](http://www.zone7water.com/sandbags)



Zone 7 Water Agency  
2d · 🌐

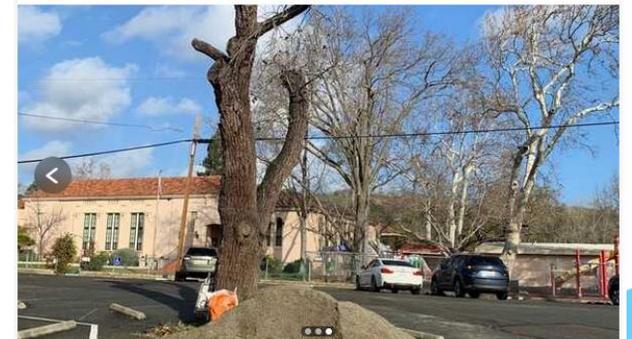
A great training opportunity but also a good reminder to stay away from arroyos and swift moving water so our hard working first responders and emergency crews don't have to put these rescue skills to use.



Sycamore Grove Park - Livermore Area Recreation and Park District  
2d · 🌐

🌊 Park remains closed 🌊 But the creek is being put to good use! LPFD conducted swift water rescue training today at Sycamore Grove Park. We will continue to post up... See more

Alameda County  
Communication Specialist Alexandra Bradley · Just now



Zone 7 Sandbag Filling Stations. We're all enjoying a little break in the storms, but more wet and windy weather is on the way. If you need sandbags, we have sand and bags available at our three stations each in Pleasanton, Livermore and Sunol. For location information visit [www.zone7water.com/sandbags](http://www.zone7water.com/sandbags)  
See more...



How to Find, Fill & Use Sandbags - Zone 7 Water Agency  
[zone7water.com](http://zone7water.com)

Posted to Subscribers of Alameda County in 1 area

# Part 2. Storm Response – Inspections & Debris Removal

# 2022-23 Storm Response

## Sandbag Stations

- ✓ North Canyons Building
- ✓ Parkside Building
- ✓ Sunol Glen Elementary

Estimated 6K sandbags provided to the public



## Inspections

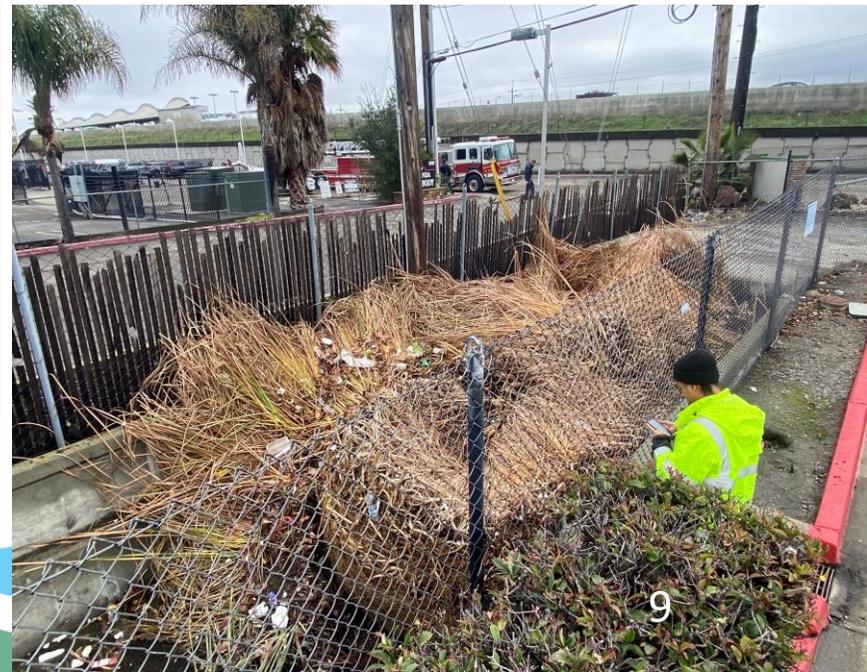
- ✓ Daily inspections, as conditions allow for access
  - ✓ Maintenance roads
  - ✓ Outfalls
  - ✓ Culverts
  - ✓ Bed & Banks
  - ✓ & More



# 2022-23 Storm Response

## Debris Removal

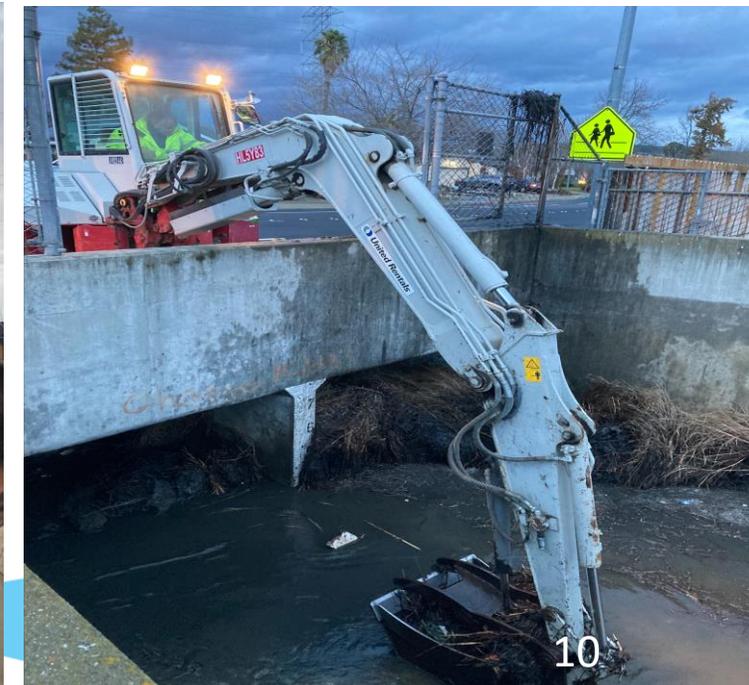
- ✓ Dublin, Line G-5  
*105 cubic yards removed*



# 2022-23 Storm Response

## Debris Removal

- ✓ Livermore, Altamont Creek  
*45 cubic yards removed*



# 2022-23 Storm Response

## Debris Removal

- ✓ 4+ miles of channel access roads covered with sediment / damaged due to sustained high flows



# 2022-23 Storm Response

## Debris Removal

- ✓ Downed trees
  - Channels
  - Maintenance roads/trails
  - Some locations were not immediately accessible



## Debris Removal

Cost estimate

Debris Removal 1.8 Million



# Part 3. Storm Response – Bank Damages, FEMA / USACE

## Bank Failures

- ✓ Hardest hit in the historic marsh area
- ✓ Some banks contain infrastructure like water or sewer mains
- ✓ Many of our access roads double as public trails
- ✓ Some channels offer groundwater recharge (water supply)



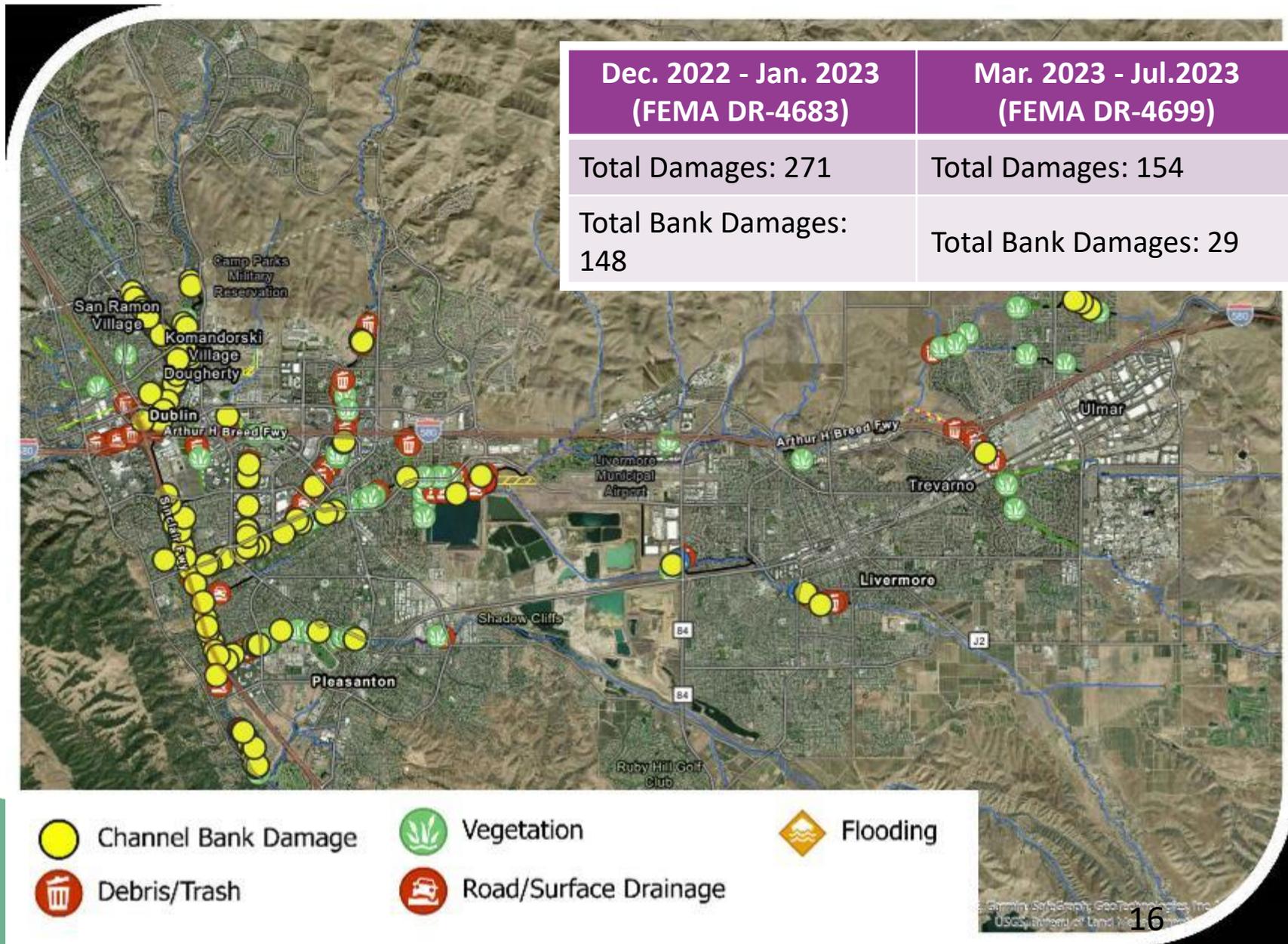
# 2022-23 Storm Response

## Damage Assessment – Bank Repairs

### Cost Estimate (Construction):

FEMA DR-4683 - \$40M

FEMA DR-4699 - \$15M



# Part 4. Road to Recovery

## Recovery Outcomes

- ✓ Significant debris removal across the service area (vegetation in channels, silts on roads)
- ✓ Agreement with USACE to repair 48 sites under the PL 84-99 program
- ✓ Design and permitting underway for 50 high priority sites for Zone 7 to lead
- ✓ Improved regional communications –
  - Re-instatement of the *Arroyo de la Laguna Collaborative*
  - “STREAMS” meetings with local city staff
- ✓ DWR “Flood Fight” training including staff from Zone 7 and local cities

## State and Federal Aid

Zone 7 requested assistance from state and federal agencies (Cal OES, DWR, FEMA and USACE) to provide flood fighting relief, federal funding, and engineering services to reduce the risk of damages to our flood conveyance channels in the future.

As of April 2025:

- ✓ USACE will repair 48 sites under the PL 84-99 program
- ✓ Received FEMA and Cal OES funding for Zone 7's emergency response and completed repairs (e.g., debris, road repairs)
- ✓ Continuing to work with FEMA to secure funding on the remaining bank repairs (requires resolution of PL 84-99 program).



# FEMA



**US Army Corps  
of Engineers®**



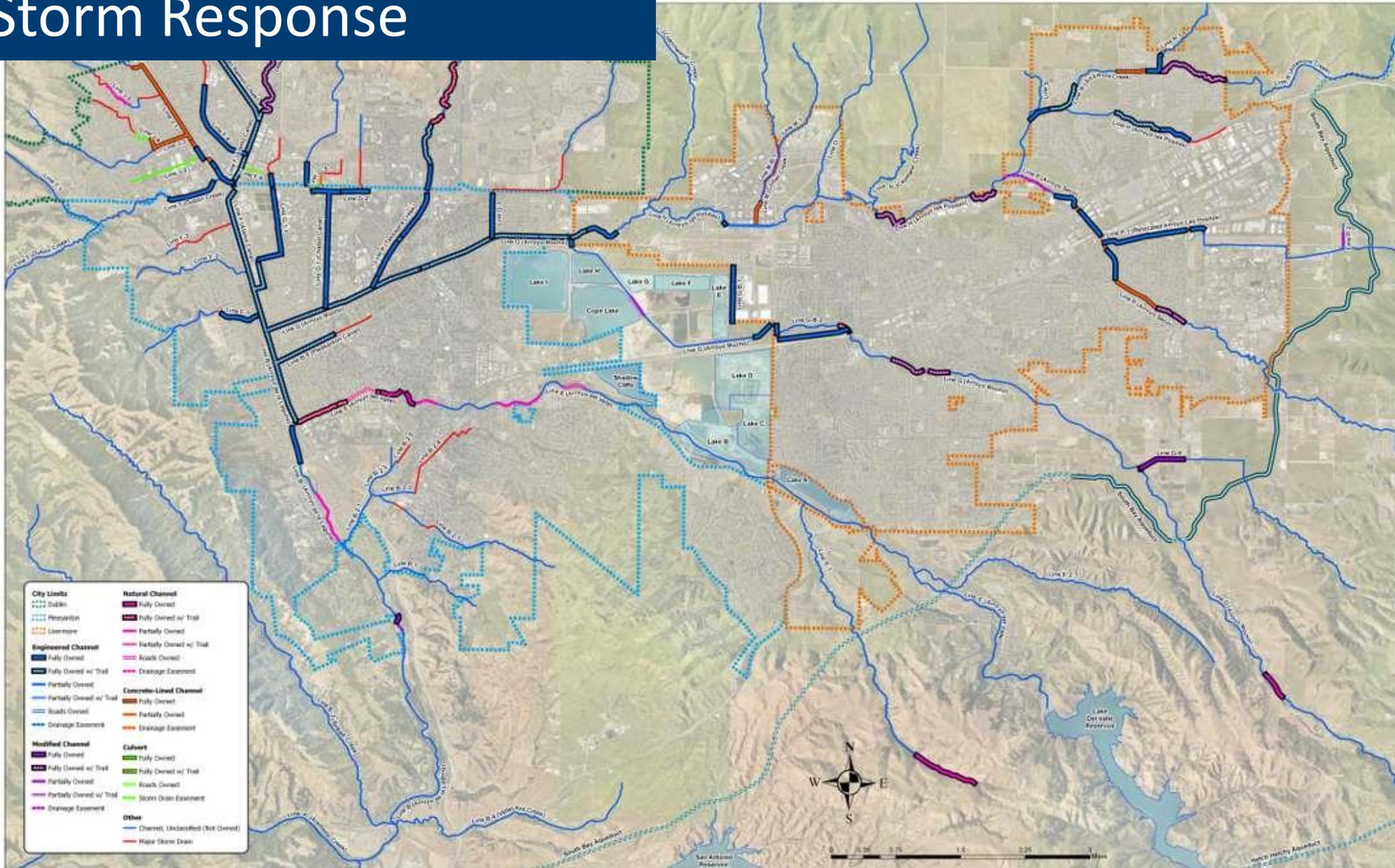
# 2022-23 Storm Response

Questions?



High Water Flow Measurements

# Storm Response



Reference -  
Zone 7  
Flood  
Protection  
Facilities  
Base Map