



# Arroyo Grande Creek Levee Community Meeting

DECEMBER 11, 2023



# AGENDA

- ▶ Opening Remarks
- ▶ Current Condition of the AG Levee & Concerns
- ▶ Action Levels for the AG Levee
- ▶ Public Notifications & Evacuation Order Process
- ▶ Resident Preparedness
- ▶ Q & A



# Opening Remarks

Jimmy Paulding  
Supervisor-District 4



# Here Today

Department	Representatives
Board of Supervisors	<b>Jimmy Paulding</b> Supervisor District 4
Public Works	<b>Courtney Howard</b> Water Resources Division Manager
Office of Emergency Services	<b>Scotty Jalbert</b> Director
Sheriff's Office	<b>Kevin Norris</b> Sergeant - South Station
Five Cities Fire Authority	<b>Steve Lieberman</b> Fire Chief
CAL FIRE	<b>John Owens</b> Fire Chief
Public Works	<b>Shelly Cone</b> Public Information Specialist

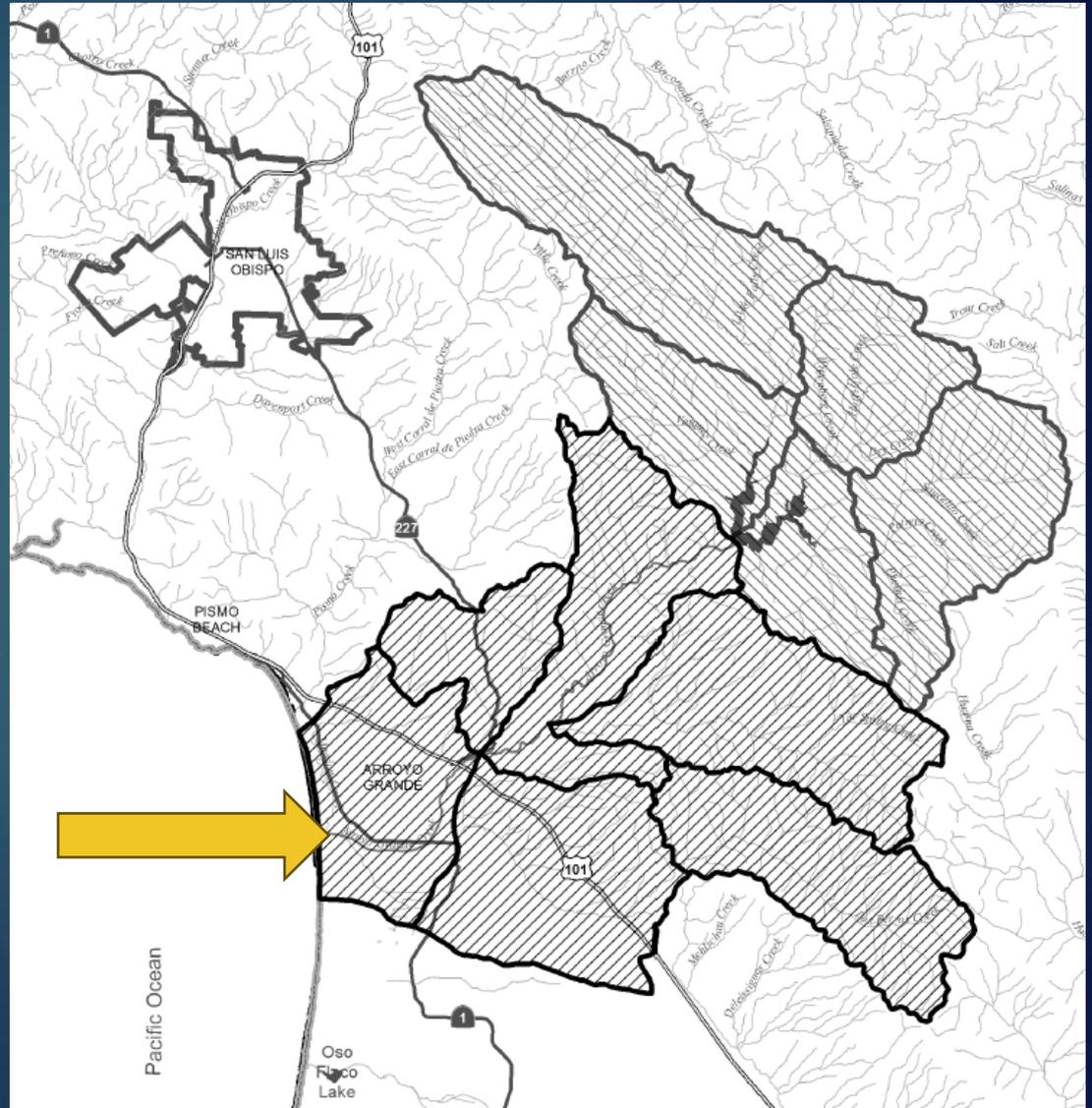
# Current Condition of the AG Creek Levee



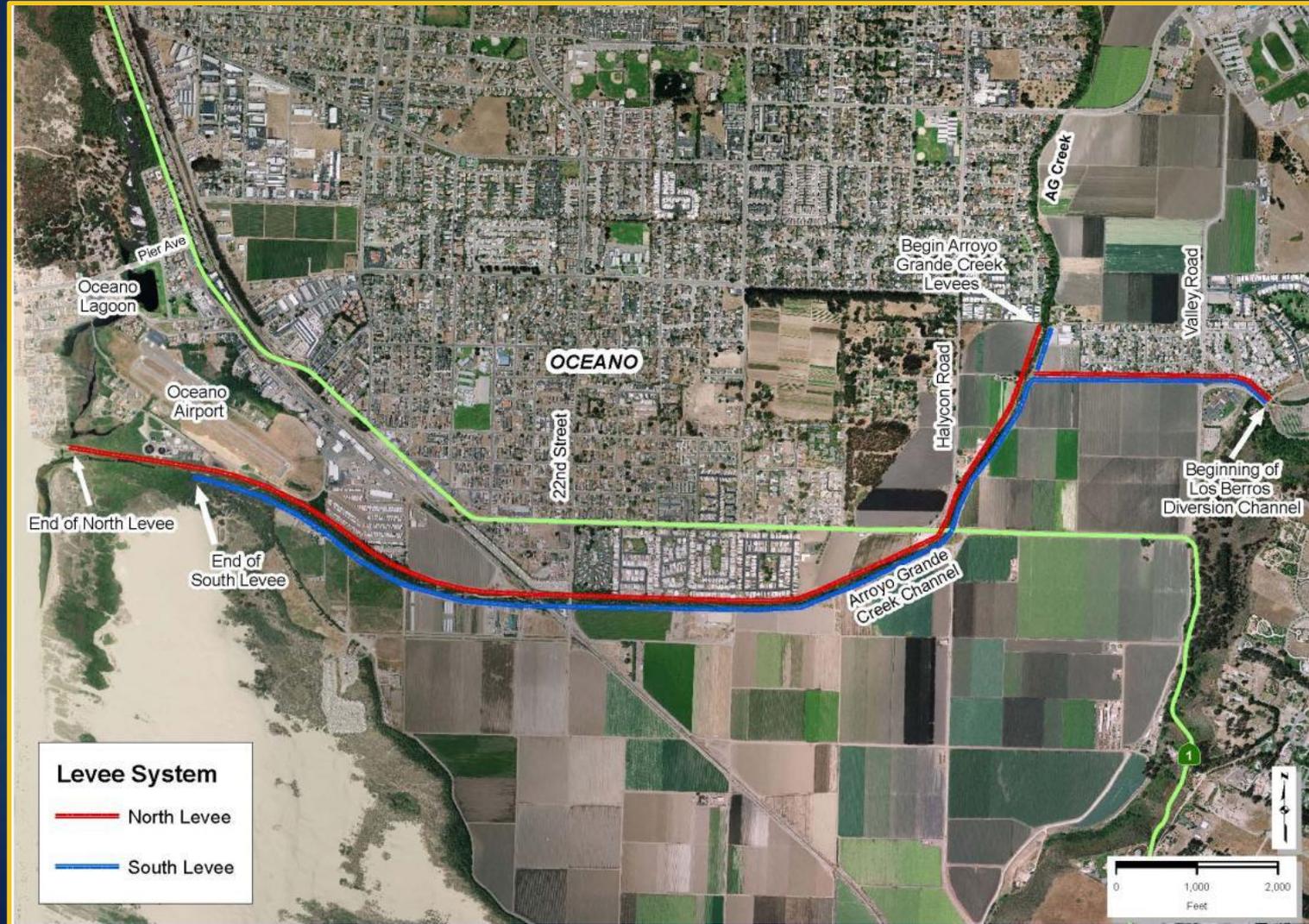
Public Works

# AG Creek Watershed

Levee System  
Location



# AG Creek Levees



# Severe Storms Impact

Downed Trees



Storm Debris and Sediment Build-Up

# Severe Storms Impact



Outside Erosion

Overtopping



# Severe Storms Impact



Inside Scouring

Through-Seepage



# Severe Storms Impact



South Levee Breach

January 2023

# Levee Breach Impact



South Levee Breach  
January 2023



# Repairs During Storms



# Mitigation Accomplishments

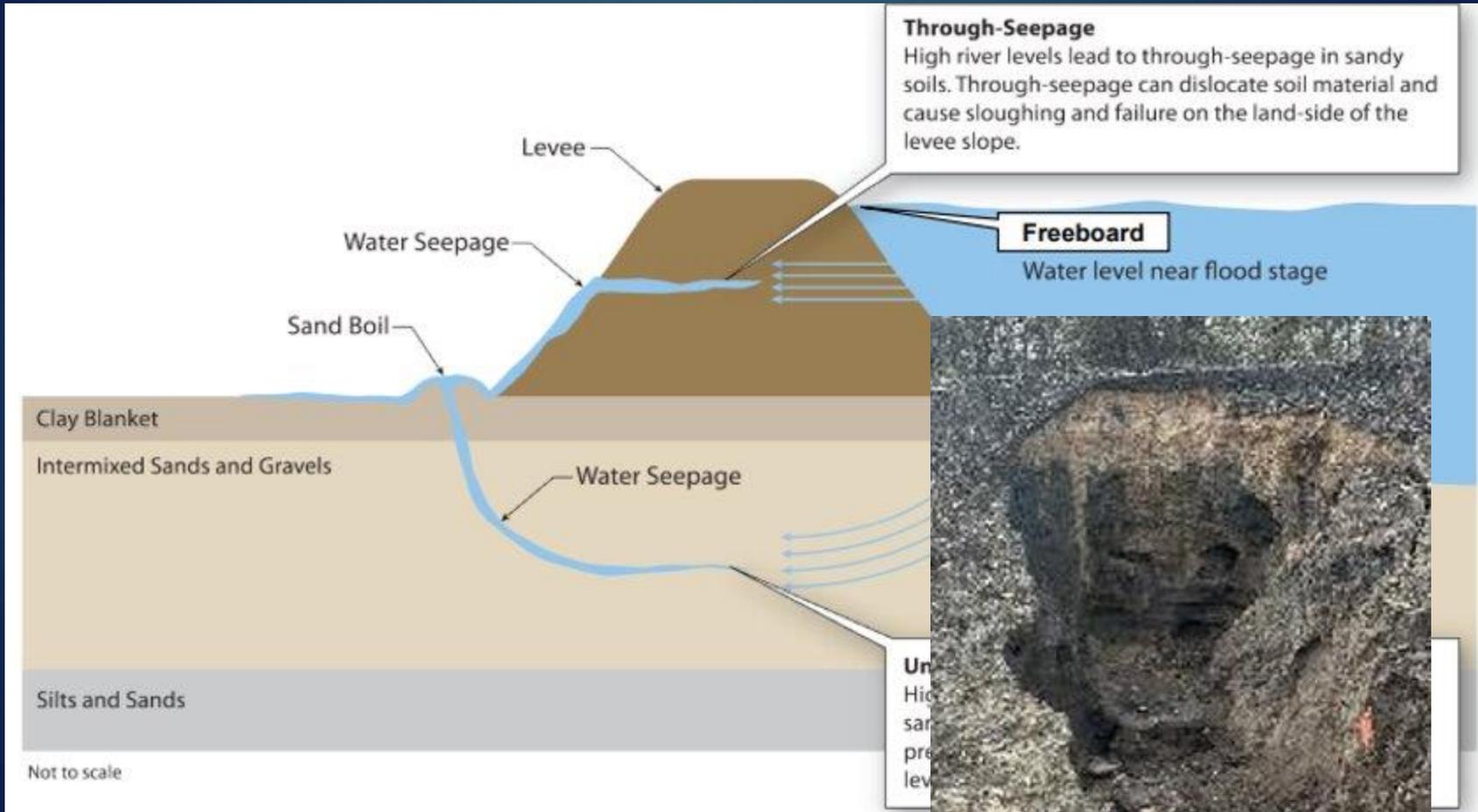


Restoration to 2020  
Design Capacity

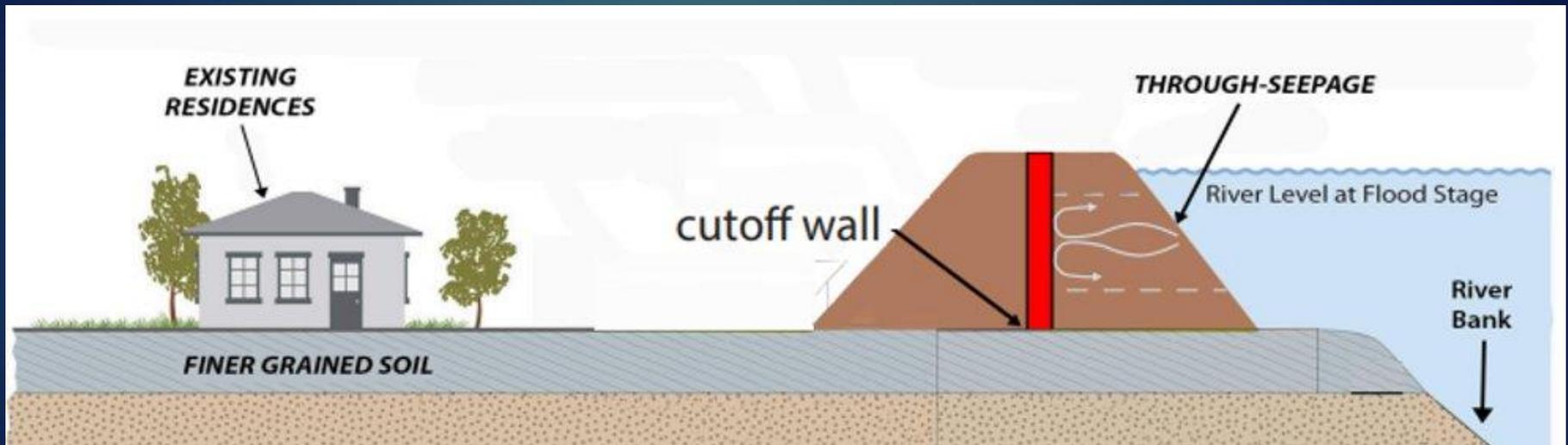


Outer Slope Repair

# Current Mitigation Effort: Through - Seepage



# Current Mitigation Effort: Through - Seepage



# Temporary Protection On North Levee

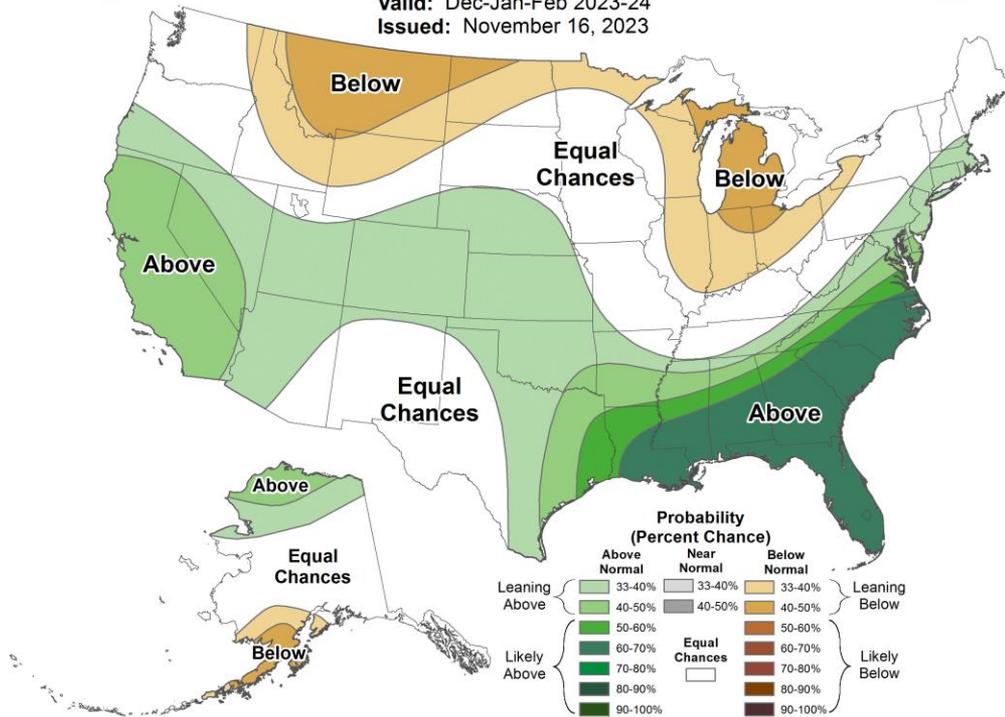




# Seasonal Precipitation Outlook



Valid: Dec-Jan-Feb 2023-24  
Issued: November 16, 2023



Too many variables to predict risk:

Let's be prepared!

# Action Levels



Public Works

# Trigger for Activation



National Weather Service (NWS) forecasts heavy rainfall of:

- > 0.2 inches per hour
- > 2 inches within a 24-hour period

# Public Works Action Levels

## ▶ **Pre-Storm**

- ▶ Levee conditions check, staff assignments for full storm
- ▶ Begin coordination with emergency leaders

## ▶ **Full-Storm**

- ▶ Open Levee Operations Center/staff patrols on site
- ▶ Confirm and communicate conditions to emergency leaders

## ▶ **Post-Storm**

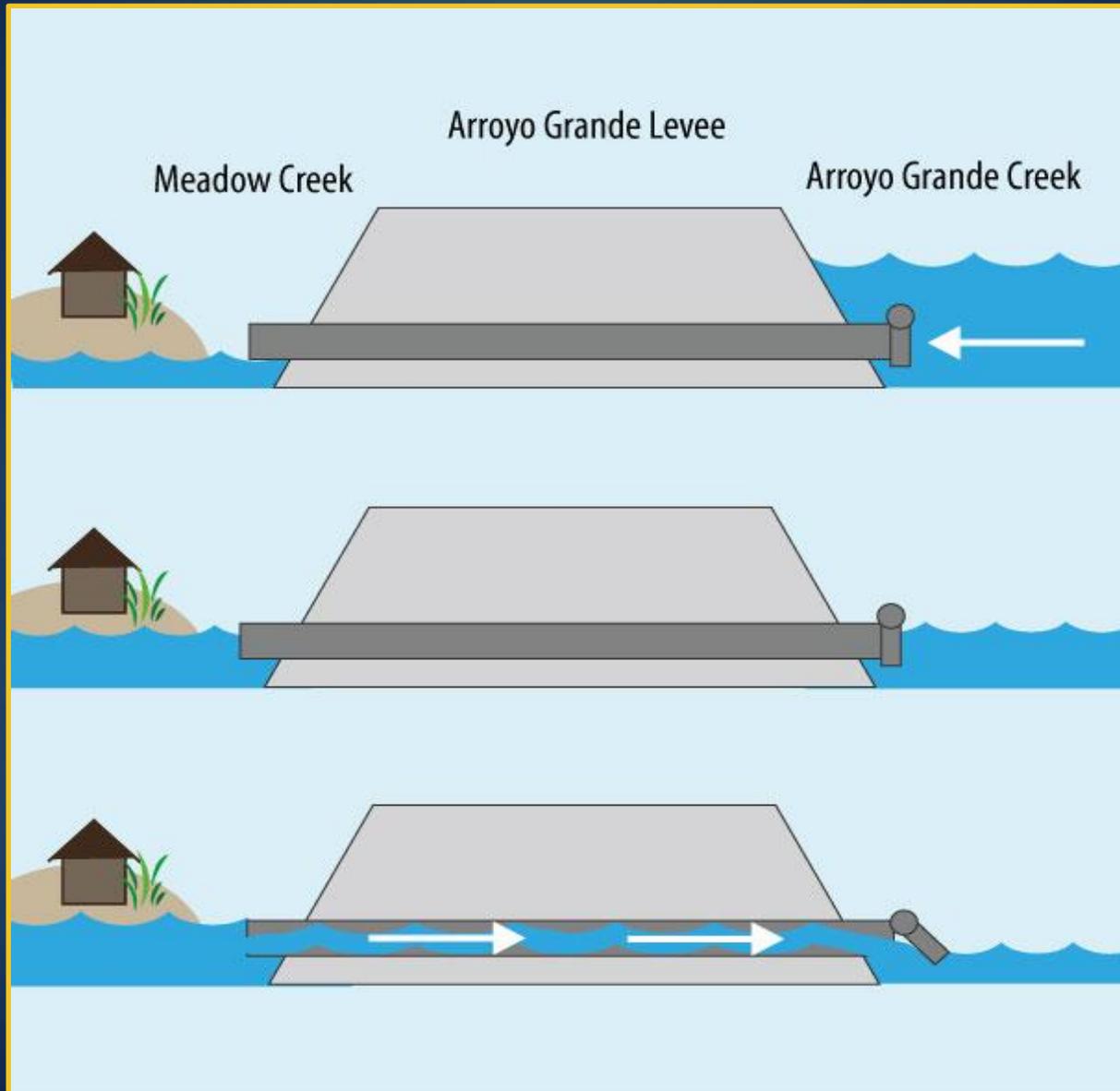
- ▶ Confirm flow at 22<sup>nd</sup> St Bridge will decrease/close Levee Operations Center
- ▶ Conduct post-storm inspections and address repair needs

# Full Storm Key Flood Risks

- ▶ Overtopping of South Levee
- ▶ North Levee Vulnerability
- ▶ Flooding around the coastal lagoons



# Importance of Flap Gates



# Patrols and Conditions Monitoring

- ▶ Notifying emergency leaders about conditions that can lead to damage
- ▶ Repair contractor on standby to use if safe
- ▶ Verify stream gage levels
- ▶ Estimate timing of creek level peaks (based on experience in 2023)

# Online Real-Time Data and Field Data



<https://wr.slocountywater.org/>

# Decision Guide

- ▶ Debris, sedimentation, erosion, Lopez spill rate, storm forecast are all considerations
- ▶ **Evacuation Warning Likely:**
  - ▶ Creek level moving through 27 feet at 22nd Street Bridge **and** raining/more rain on the way
  - ▶ May be sooner if there were previous storms/other issues
- ▶ **Evacuation Order Likely:**
  - ▶ South Levee: Creek moving through 29.5 feet at 22nd Street Bridge **and** rain continuing/increasing Lopez spill rate
  - ▶ North Levee: Creek level moving through 30.5 feet at 22nd Street Bridge **and** rain continuing/increasing Lopez spill rate
  - ▶ Lagoon Area: Gauge at 10 feet and rising/continuing storm

# Public Notifications & Evacuation Orders



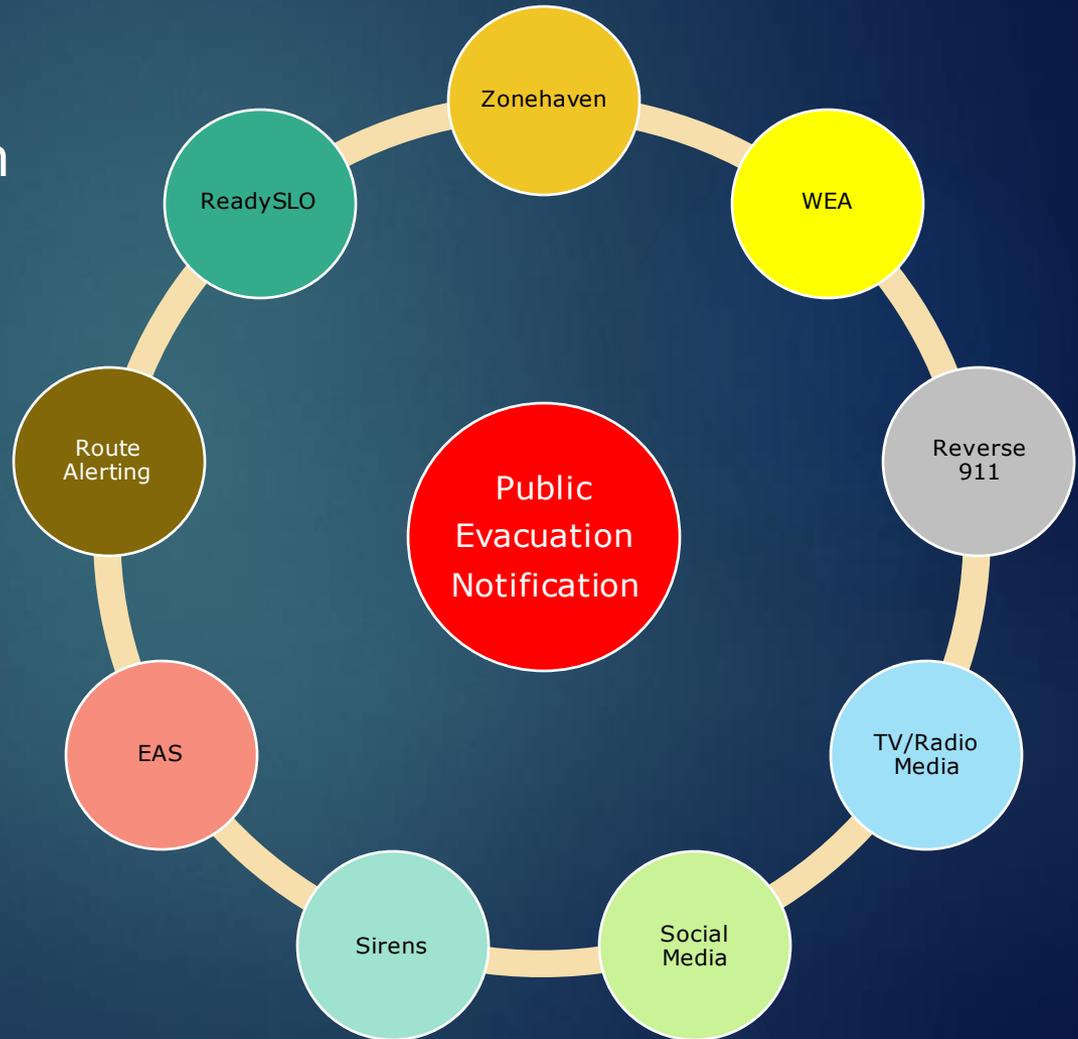
# Terminology

- ▶ An **Evacuation Warning** is issued to alert community members in a defined area of a potential threat to life and property from an emergency incident. Be prepared to evacuate.
- ▶ An **Evacuation Order** is issued to move community members out of a defined area due to an immediate threat to life and property from an emergency incident. Evacuate now.
- ▶ **Shelter In Place** is issued to direct community members to stay inside their current location if a situation does not allow for evacuation.

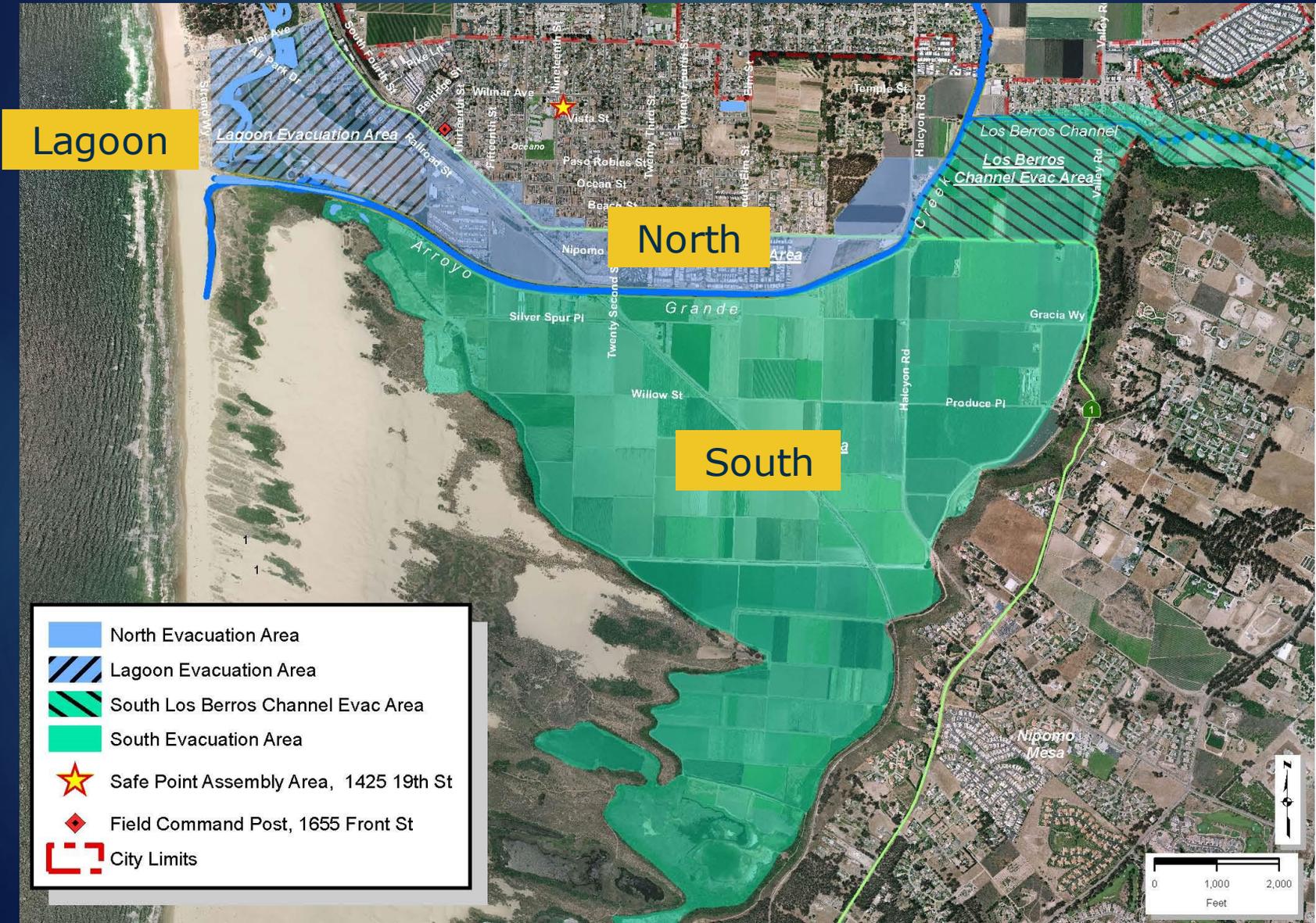
# How we will notify you

Reverse 911 is a opt in service!

Go to: [ReadySLO.org](https://ReadySLO.org)



# Flood Evacuation Areas

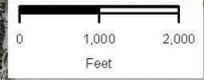


Lagoon

North

South

-  North Evacuation Area
-  Lagoon Evacuation Area
-  South Los Berros Channel Evac Area
-  South Evacuation Area
-  Safe Point Assembly Area, 1425 19th St
-  Field Command Post, 1655 Front St
-  City Limits



# Evacuation Information

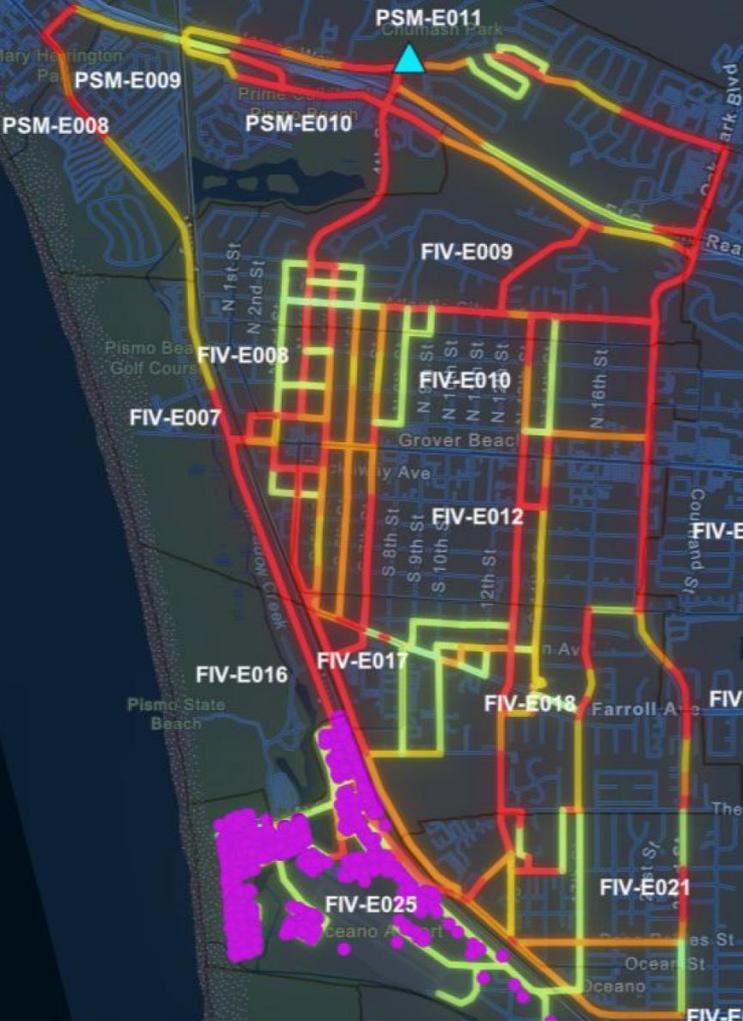
- ▶ Evacuations Zones:
  - ▶ South of the Levee (SLC-E315)
  - ▶ North of the Levee (FIV-E024)
  - ▶ Lagoon (FIV-E025)
- ▶ May have Evacuation Warnings and Orders at the same time

**Know Your Zone!**



# Evacuation Orders and Closures





# Lagoon FIV-E025

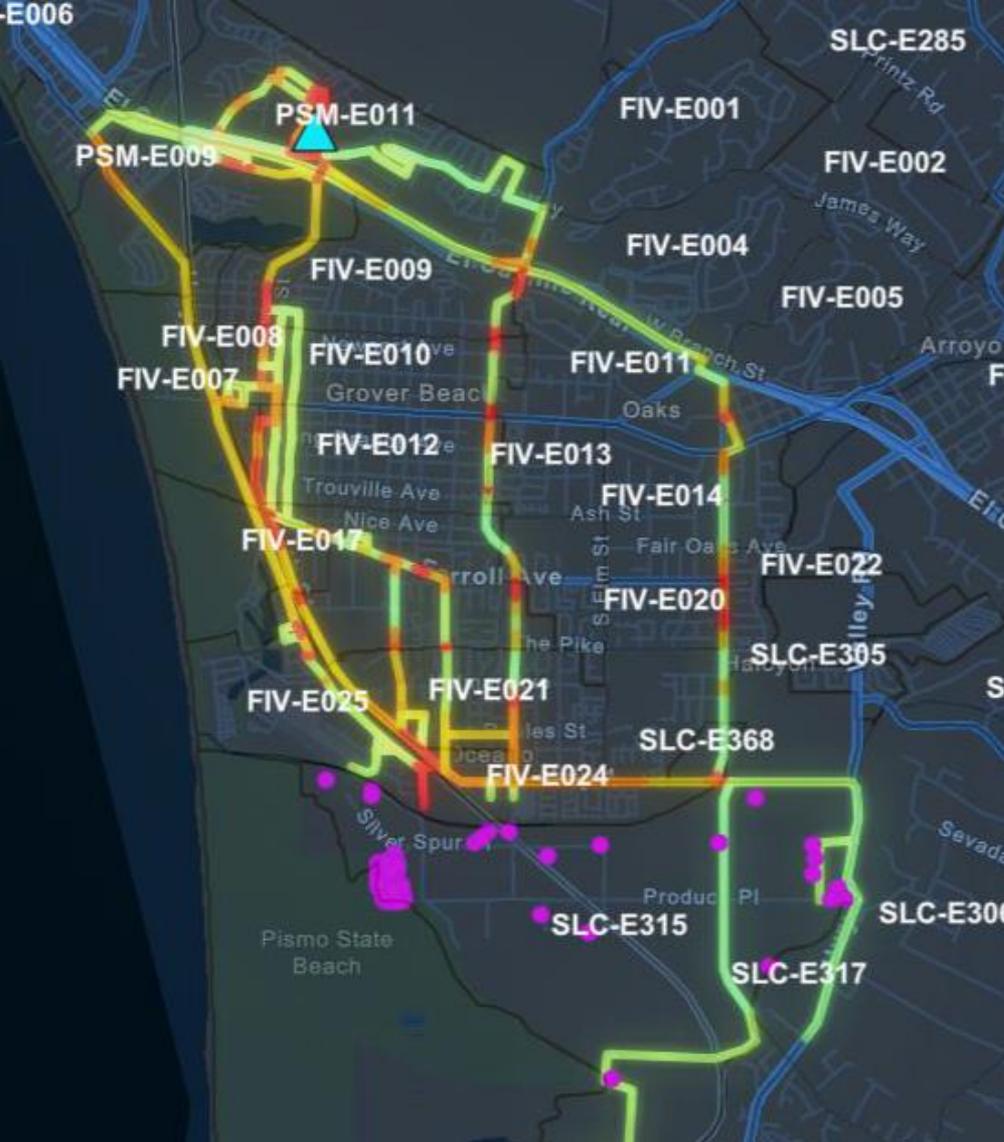
The worst-case scenario for a single vehicle evacuating under these conditions is **0H 38M**.

Average vehicle evacuation may take **0H 24M**.

This estimate could vary by as much as **0H 7M**. Long travel times are projected.

**1284 passenger cars** and **321 heavy vehicles** evacuated from 642 addresses.

This is **90% of all vehicles** within the selected evacuation region departing over 15 minutes.



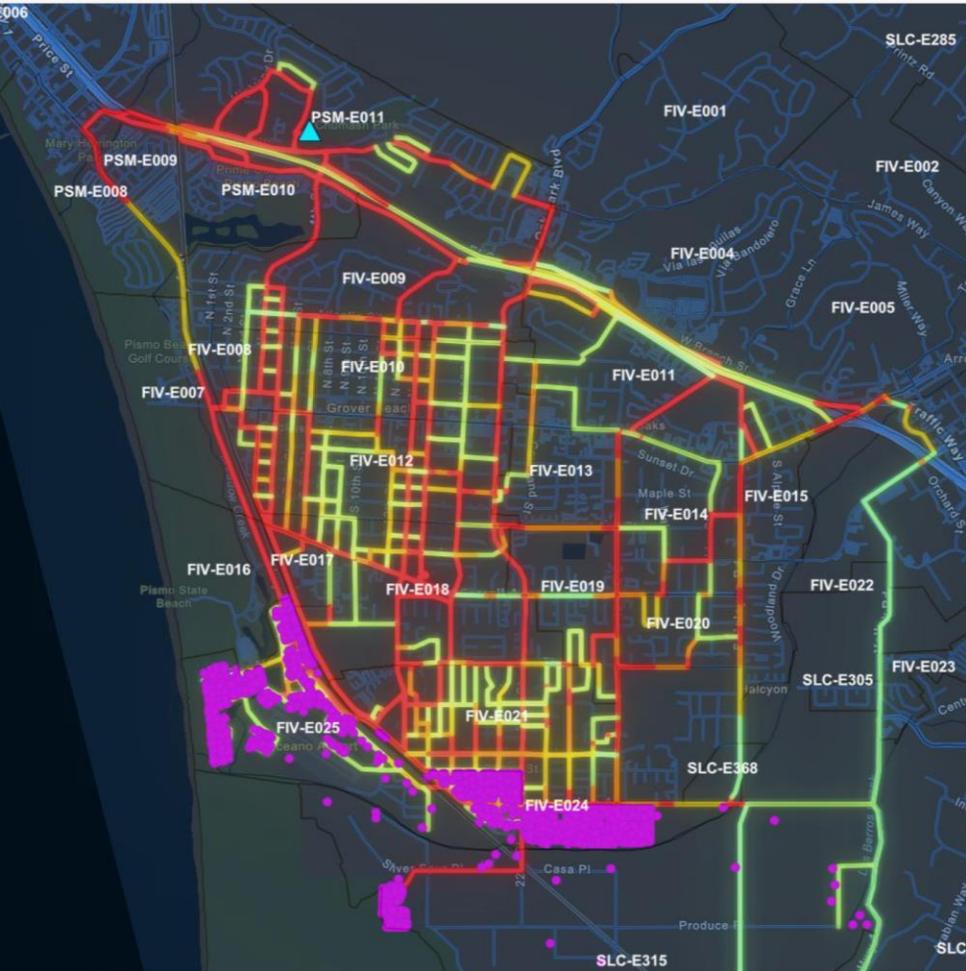
## South SLC-E315

The worst-case scenario for a single vehicle evacuating under these conditions is **0H 18M**.

Average vehicle evacuation may take **0H 14M**. The typical vehicle forecast could vary by as much as **0H 2M**. **Moderate travel times are projected.**

**340 passenger cars** and **85 heavy vehicles** evacuated from 236 addresses.

This is **90% of all vehicles** within the selected evacuation region departing over 15 minutes.



North, South, & Lagoon  
FIV-E024  
FIV-E025  
SLC-E315

The worst-case scenario for a single vehicle evacuating under these conditions is **2H 4M**.

Average vehicle evacuation may take **1H 19M**.

This estimate could vary by as much as **0H 28M**. Long travel times are projected.

**3214 passenger cars** and **803 heavy vehicles** evacuated from 1607 addresses.

This is **90% of all vehicles** within the selected evacuation region departing over 15 minutes.

# Security



- ▶ Locking your doors, windows, vehicles, out buildings
- ▶ Cameras on-line/batteries charged
  - ▶ Call dispatch **805-781-4550**
- ▶ Indoor & Outdoor Lighting
- ▶ Ensure address can be seen
- ▶ Patrols will occur
- ▶ Rep at the evacuation point



# Preparations & Actions



# Preparing your home

- ▶ Take pictures of your home and contents
- ▶ Find out if you have flood insurance
- ▶ Place valuables off the ground
- ▶ Have emergency supplies
- ▶ Secure documents



# Being prepared to evacuate

- ▶ Create a family emergency plan including destination
- ▶ Identify an evacuation route **and alternatives**
- ▶ Know how you will communicate in an emergency
- ▶ Keep identification, insurance cards, and contact phone numbers in a “Grab and Go” bag.
- ▶ Charge cell phones and make sure your vehicle is ready to go (fuel)

# Being prepared to evacuate

**Be**

- Be alert to changing weather conditions

**Keep**

- Keep cell phone on

**Have**

- Have a Go Bag ready

# Evacuating



- ▶ Secure your home
- ▶ Bring domestic animals & supplies
- ▶ Bring your Go Bag
- ▶ Drive safely out of the area
- ▶ The Oceano Community Center (1425 19th St, Oceano) is a Safe Point / Temporary Evacuation Point - across from Oceano Elementary School
- ▶ Monitor [ReadySLO.org](https://www.ready.slo.org) for updates

# Duration

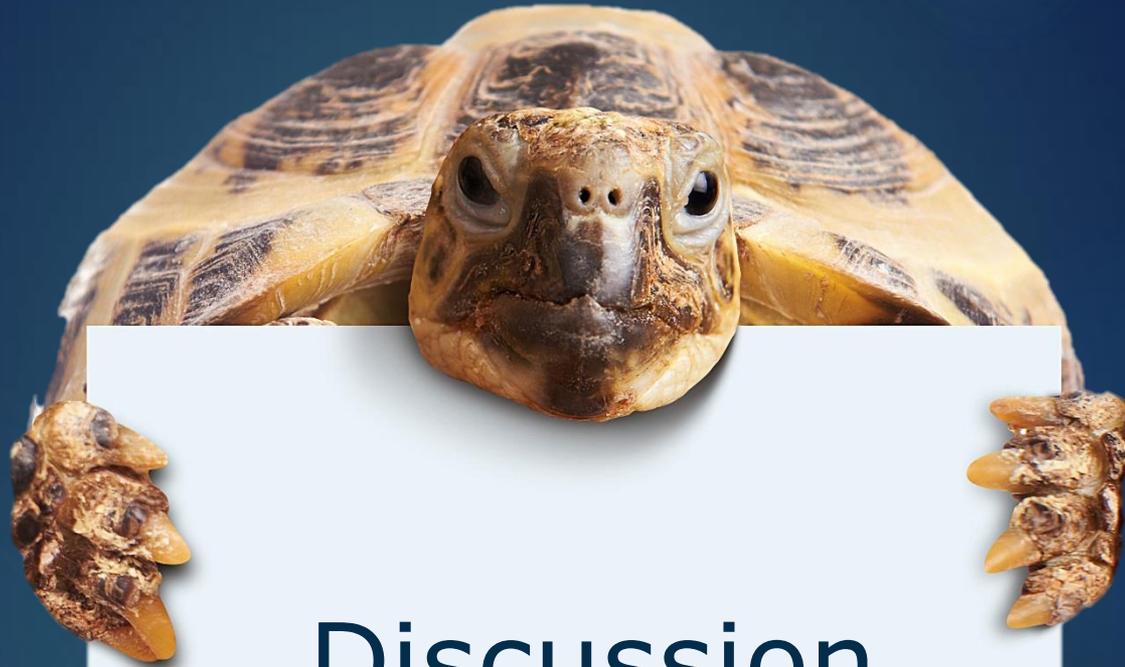
- ▶ We will get you back into your home as soon as it is safe to do so.
- ▶ Shelters may be established if needed
- ▶ If you have questions or need assistance, call **805-543-2444** (activated during emergencies)



# Repopulation



- ▶ You will be notified that the Evacuation Order has been lifted
- ▶ Law enforcement will open the closed areas
- ▶ Use caution when driving back into the area
- ▶ Inspect your home for any safety concerns



Discussion  
&  
Questions?