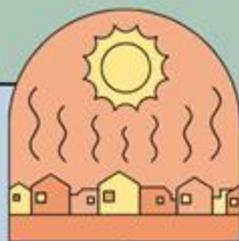


Impacts of Wildfire, Extreme Heat, and Flooding

Presented by San Joaquin Regional Climate
Collaborative (San Joaquin RCC)



Agenda



5:30 PM

Welcome and Icebreaker

5:40 PM

SJRCC Introduction

5:55 PM

Wildfire Smoke and Extreme Heat

6:15 PM

Emergency Preparedness Activity

6:25 PM

Break

6:30 PM

Flooding

6:45 PM

Flooding Activity

6:55 PM

Survey and Closing

Icebreaker

Please share your name, pronouns, where you're from, and one word to describe how 2025 is going for you so far.



UNIVERSITY OF THE
PACIFIC

Center for Business
and Policy Research



**PUBLIC HEALTH
ADVOCATES**



**GRID
ALTERNATIVES**
North Valley



Catholic Charities
of the Diocese of Stockton
Help for Today...Hope for Tomorrow

**Environmental
Justice Program**

San Joaquin Regional Climate Collaborative (San Joaquin RCC)

SJRCC envisions a region where all communities live in healthy places filled with equity and economic opportunity and are ready to meet the challenges posed by climate change.

Wildfire and Extreme Heat



What is Listos California?



Corral Fire



San Joaquin County-
Southwest of Tracy



14,168 Acres



Actively burned for 5 days



Corral Fire

Aero Fire



Calaveras County



5,284.8 Acres



8 days active burning

Aero Fire



Wildfire
Smoke
How Does it
Affect Us?

Air Quality
Know How to
Check Air
Quality
Conditions

Be Prepared for Wildfires

- Sign up alerts
- Learn what your evacuation zone
- Plan rides to get to safety
- Prepare for long power outages
- Keep devices and backup batteries charged. Have a battery-powered radio for emergency updates
- Have a Go Bag packed
- Make a plan



WIREFLESS
EMERGENCY
ALERTS

During a Wildfire



Stay alert and informed



Even if a fire seems a safe distance away, consider leaving early



Stay indoors as much as possible



Extreme Heat

Extreme Heat



July 2023: Highs rose to 105 to near 110 degrees in the hottest locations



The city of Stockton recorded 41 days of temperatures that topped 100 degrees in 2024, melting the previous record of 40 days set in 2022



The extreme heat in 2024 caused challenges for agricultural producers



The extreme heat in California

Before Extreme Heat

Check air conditioner is working

Learn where cooling place's locations

Heat waves can be dangerous

Pets and livestock can get sick from heat too

Prepare to watch for increased panting or difficulty breathing, and increased heart rate

Stay in cool indoors



During Extreme Heat



Extreme heat makes air quality worse



Stay in air-conditioned buildings as much as possible



Check on free or discounted rides during heat waves to help you get to places where you can stay cool



Seek medical care immediately



Help keep the power on for everyone by using less of it



Check in on a friend, neighbor, or coworker and have someone do the same for you.

Sign up for Alert!

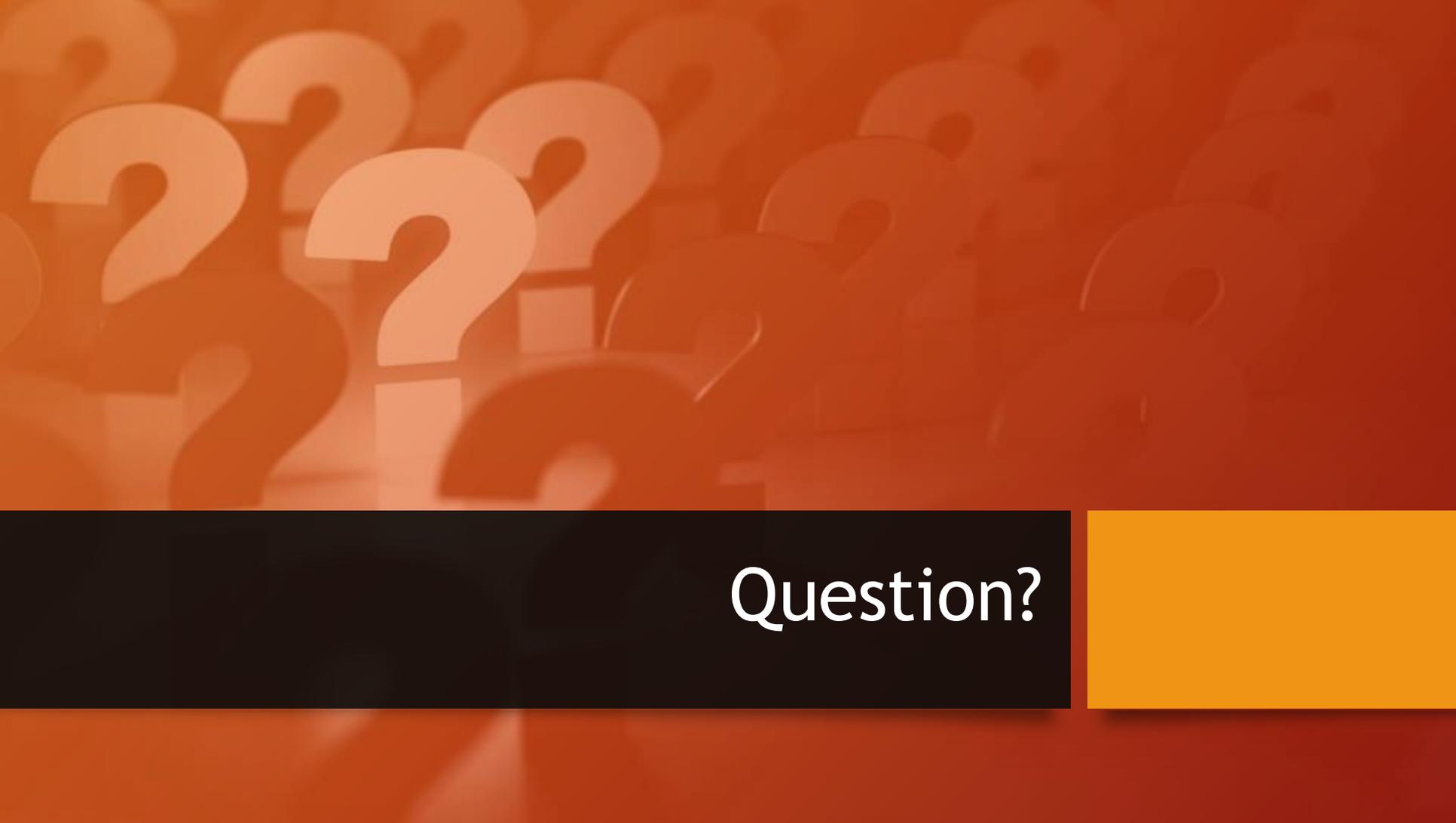


Scan the QR
Code to sign up
for local Alerts



We can help you
sign up for
alerts

SJReady
Office of Emergency Services
www.sjready.org

The background of the slide is a solid orange color with a pattern of semi-transparent, light-colored question marks scattered across it. A horizontal bar is positioned at the bottom of the slide, divided into a black section on the left and a yellow section on the right.

Question?

Contact Us

Celeste Rodriguez

Listos CA-Program Coordinator

Catholic Charities of Stockton

crodriguez@ccstockton.org

Follow Us!

CalOES.ca.gov

State guides, alerts, and resources

ListosCalifornia.org

Disaster readiness, response, and recovery

Emergency Preparedness Activity

In your breakout room, discuss this scenario for the next 5 minutes:

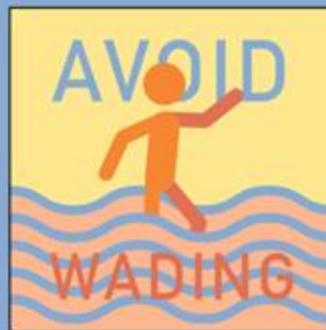
It's mid-summer, and your city is expected to experience a record-breaking heatwave with temperatures exceeding 100°F (38°C) for several days. At the same time, a wildfire burning hundreds of miles away is pushing thick smoke into your area, making the air quality hazardous. Your local electricity provider has also warned of rolling blackouts.

1. **What are some items you should pack in your emergency kit to prepare?**
2. **What immediate actions do you take to stay safe indoors?**
3. **If you must go outside, what precautions do you take?**

Pick someone from your group to share out what was discussed.



Impacts of Flooding



Floods

Floods are dangerous natural disasters that can cause extensive damage to property and life.

Causes:

- Precipitation (rain, snow)
- Storm surges
- Failure of water control structure, such as a levee

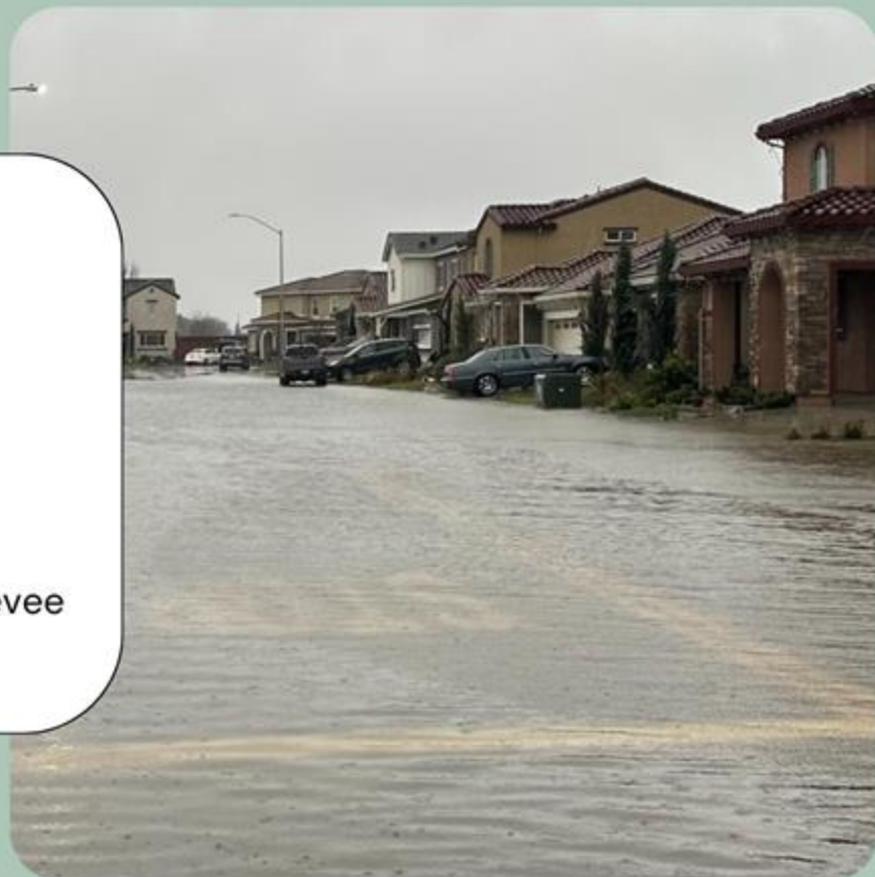


image source: [City of Lodi](#)

Impacts of Flooding



Environmental Impacts:

- Damage to infrastructure and homes
- Contamination of floodwater with chemicals and sewage

Health and Safety Impacts:

- Drowning, physical injuries (such as cuts, lacerations, infections)
- Electrocution from downed power lines or cables
- Risk of waterborne and other infectious diseases for people and animals

image source: [Kristi Gross/Fox 40](#)

How to Protect Yourself Against Floods

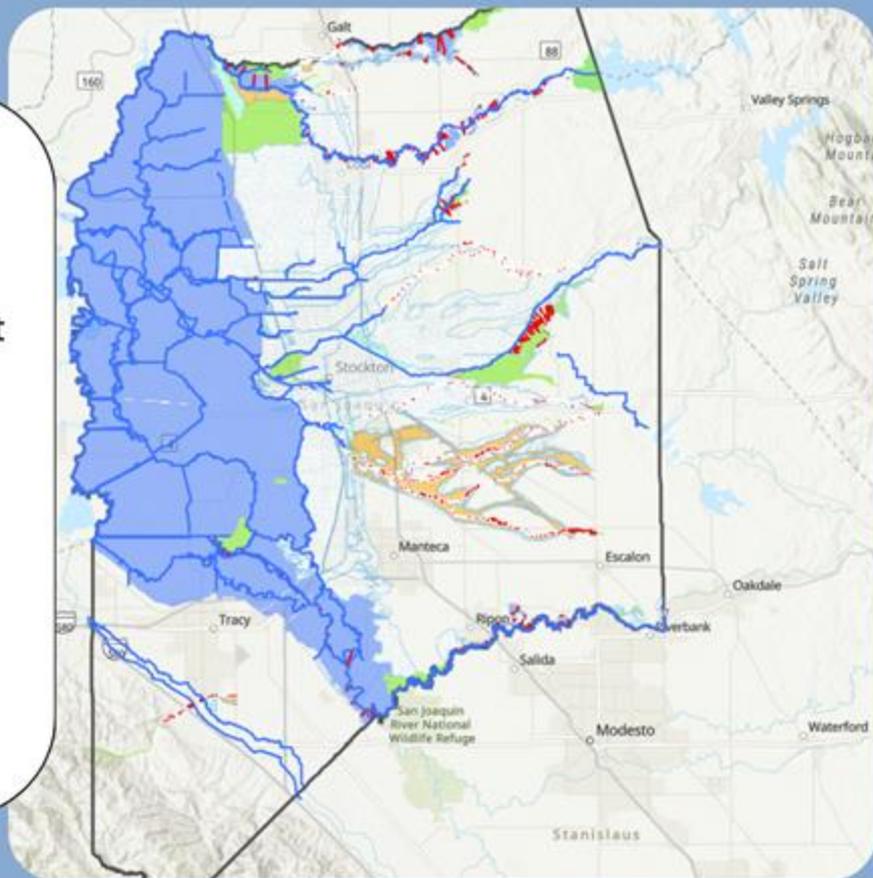


- Evacuate immediately, if told to evacuate.
- Listen to local alerting systems for current emergency information and instructions regarding flooding.
- Turn Around, Don't Drown!
- Have an emergency plan prepared.
 - visit the [Ready.gov](https://www.ready.gov) website for more info on how to prepare
- Find your evacuation route:
 - [SJ Evacuation Map](#)
- Find a shelter:
 - [Shelters in SJC](#)

How to Protect Yourself Against Floods

Know Your Risk

- It is important to know the risk of flooding specific to your city or county to determine how to protect yourself.
- Resources to help identify your flood risk:
 - [SJC interactive flood zone map](#)
 - CA Dept. of Water Resources:
 - The [web viewer](#) allows users to view a particular area and identify their potential flood hazards:



Flooding in Lodi



image source: Lodi News

- Local sources of water:
 - Mokelumne River and Lodi Lake
- FEMA suggests protecting your property against flood damage regardless of if you live on or near a flood prone area
 - Nearly 1/3 of NFIP flood insurance claims occur outside high flood risk areas."

source: <https://www.floodsmart.gov/>

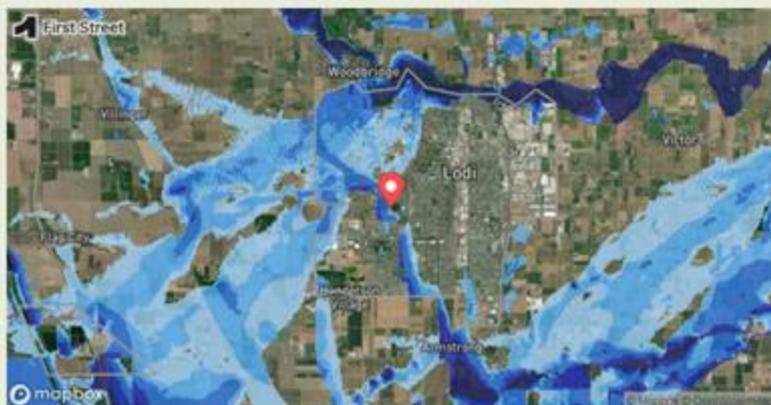
Flooding in Lodi

Flood Risk Overtime

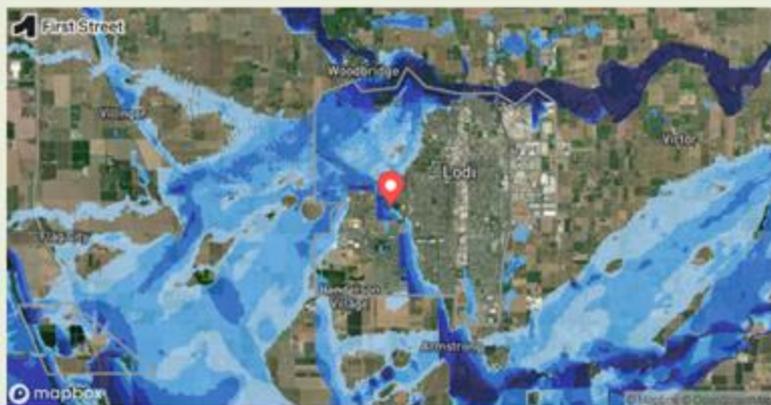
- In 2025, 2,039 properties are at risk of flooding in Lodi.
- In 30 years, this is estimated to increase to 3,797
 - That is an 86% increased risk of property damage due to flooding



image source: [Stockton Record](#)



Flood risk in Lodi 2025



Projected flood risk in Lodi 2055

Flooding Activity (Virtual)

Know Your Risk

Identify the risk of flooding in your area

- Explore one or both interactive flood risk maps.



SJC Interactive Flood Zone Map

- GIS map provided by SJC Public Works



CA DWR Map

Information on flood hazards

- provided to cities/counties in the SAC-SJ Valley watershed



Flooding Discussion (Virtual)

What did you find interesting about the maps?

Did you have any concerns or issues understanding the maps?

Survey



Please fill out the
post-workshop
survey! We have paper
surveys as well.

bit.ly/rccededusurvey4

Thank you!

For more information on San Joaquin RCC and our upcoming events:

- Sign up for our email updates at tinyurl.com/sjrccsignup
- Check out our webpage at sjcog.org/SJRCC