



Disaster Council
Local Hazard Mitigation Plan Meeting #4



City of Merced
July 13, 2012



Meeting Outline

1. **Past/Future Actions**
2. **Plan Goals**
3. **Capability Assessment**
4. **Preliminary Survey Results**
5. **Draft Mitigation Actions**



1. Past/Future Actions



Risk Assessment -- A Necessity of All Planning

Risk Assessment

Identify Hazards
&
Assess Vulnerability
to these Hazards

Emergency Operations Plan

to effectively & collectively
respond to events
to reduce loss
of life and property
(BCREPC)

Hazard Mitigation Plan

to effectively & collectively
develop a strategy & methods
to reduce ***the risk*** of loss
of life and property
(PDM Planning - CCC)




Plan Development Process

1. Where are the hazards?
2. What are the risks?
3. What is being done?
4. Where are the gaps?
5. What actions can be taken?
6. What are our priorities?
7. How can we implement?

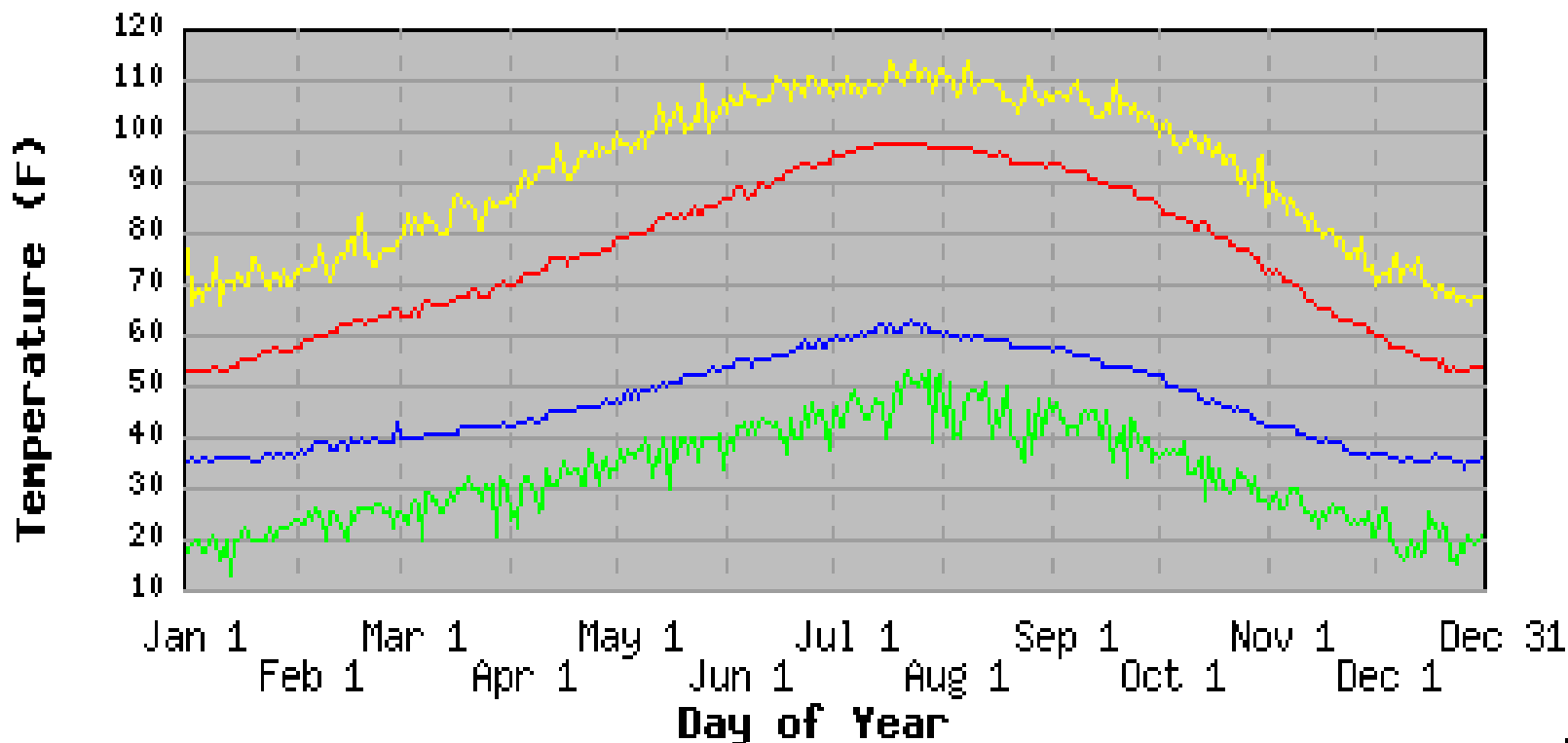
Killer Heat

The California Climate Adaptation Strategy (CAS), citing a California Energy Commission study, states that “over the past 15 years, heat waves have claimed more lives in California than all other declared disaster events combined.”²³



MERCED MUNICIPAL ARPT, CALIFORNIA (045532)

Period of Record : 6/ 1/1899 to 9/30/2010



— Extreme Max — Ave Max — Ave Min — Extreme Min

Western
Regional
Climate
Center



Hazard Threat Levels


Moderately-High Hazard

- *Hazardous Materials*
- *Flooding*

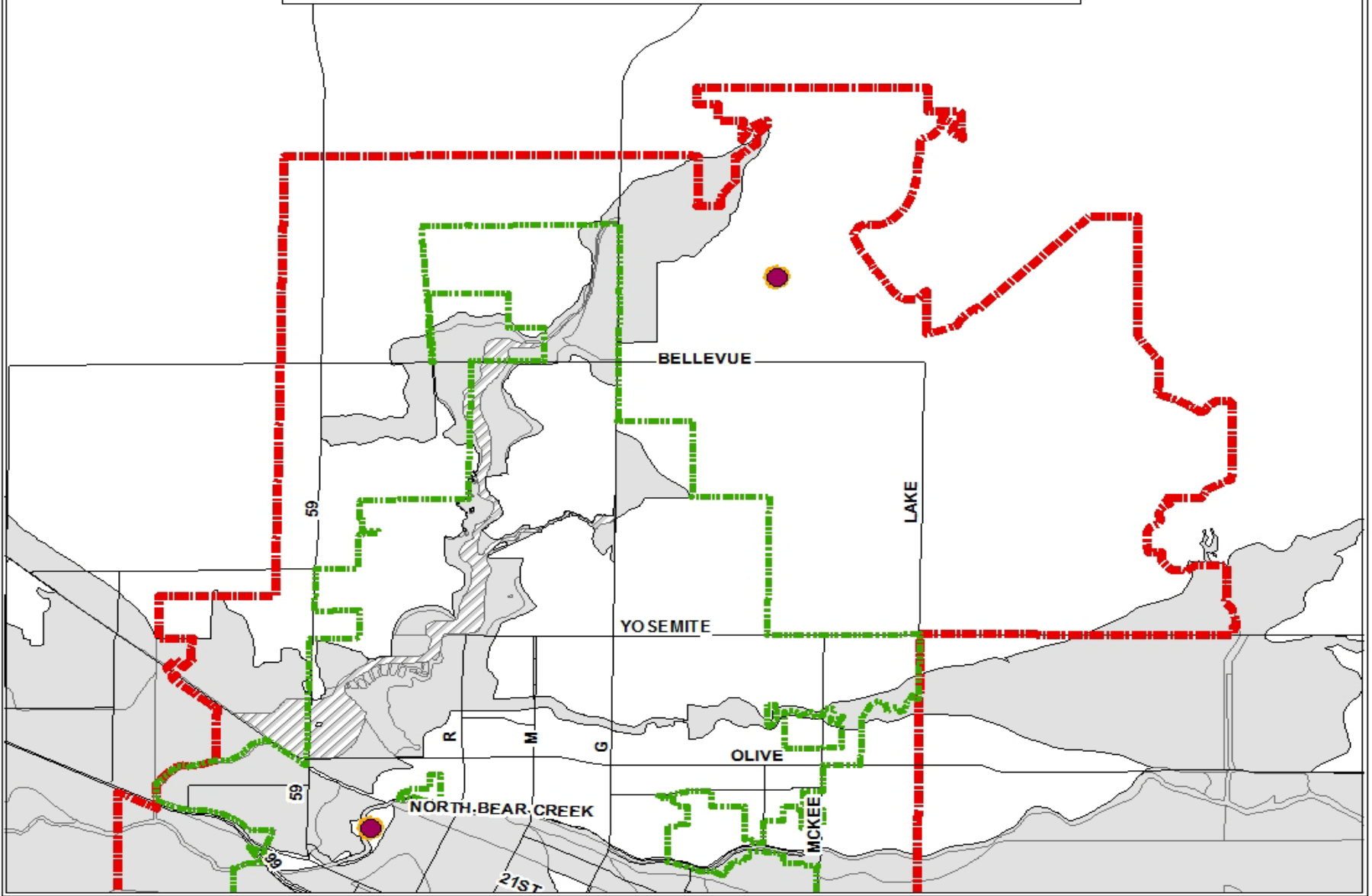
Moderate Hazard

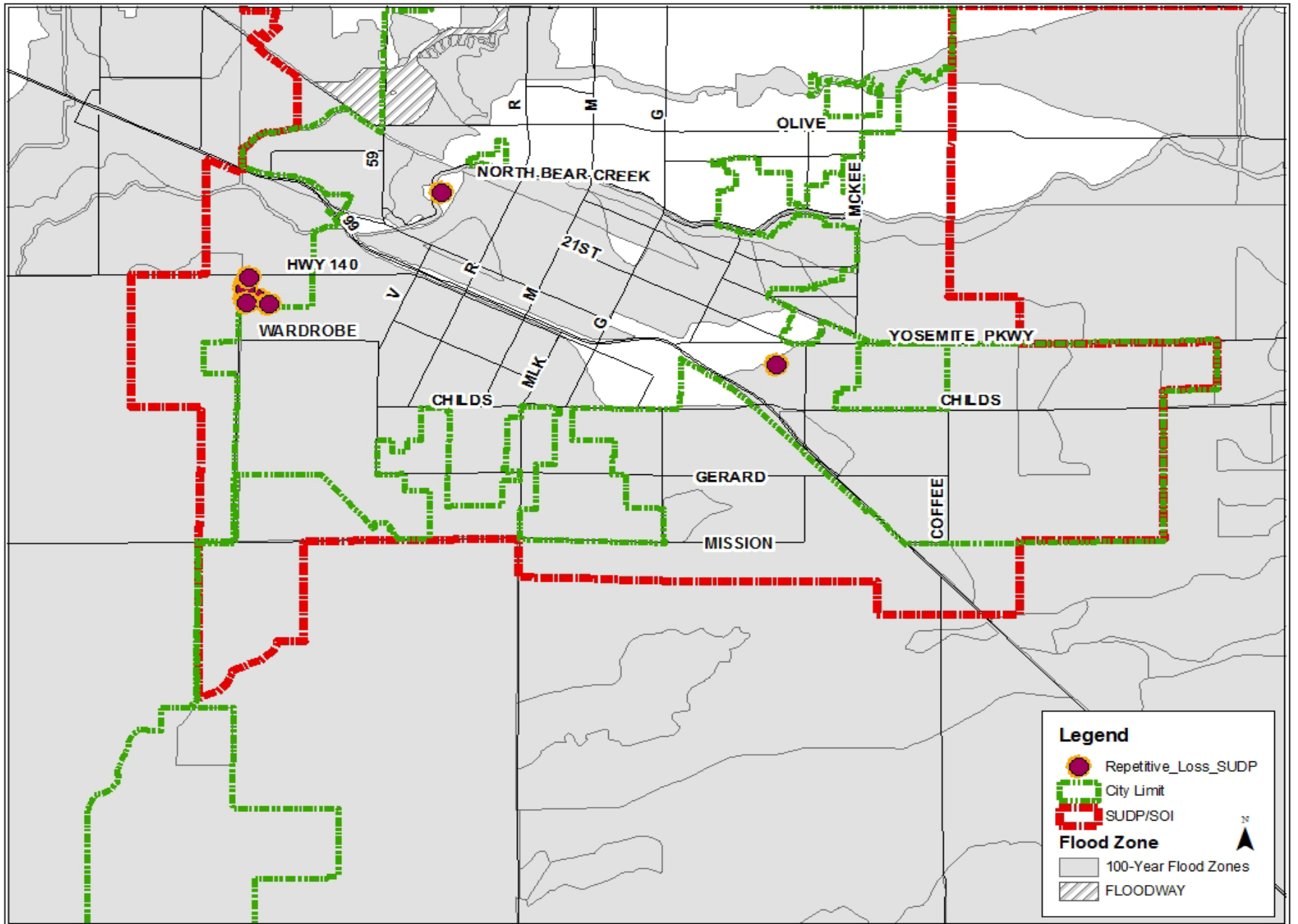
- *Fire*
- *Extreme Temperatures*
- *Fog*
- *Storm-Related Hazards*
- *Dam Failure*

Moderately-Low Hazard

- *Earthquake*
 - *Tornadoes*
 - *Drought*
- 

Repetitive Loss Properties Within the City's SUDP





Council and Public Input




2. Plan Goals





Basis for Goals

- Required Element of the Hazard Plan
 - Consistent with Existing Community/State Goals
 - Risk Assessment
 - Capability Assessment
- 



Recommended Goals (Attach B)

Goal 1: Provide protection for people's lives from hazards.

Goal 2: Minimize or reduce damage to property.

Goal 3: Minimize disruption of essential services, facilities, and infrastructure.

Goal 4: Maintain, enhance, and restore the natural environment's capacity to deal with the impacts of disasters.

Goal 5: Promote hazard mitigation as an integrated policy.

Goal 6: Increase public awareness.



Council and Public Input

(Vote)



3. Capability Assessment



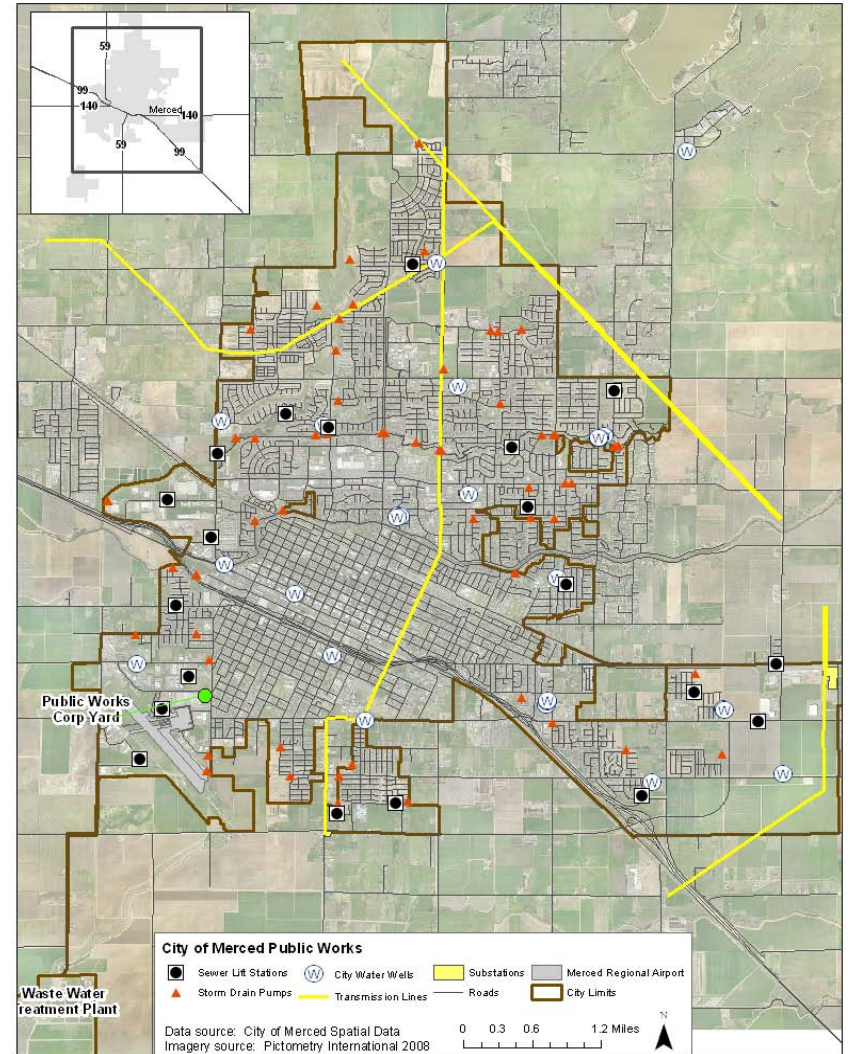
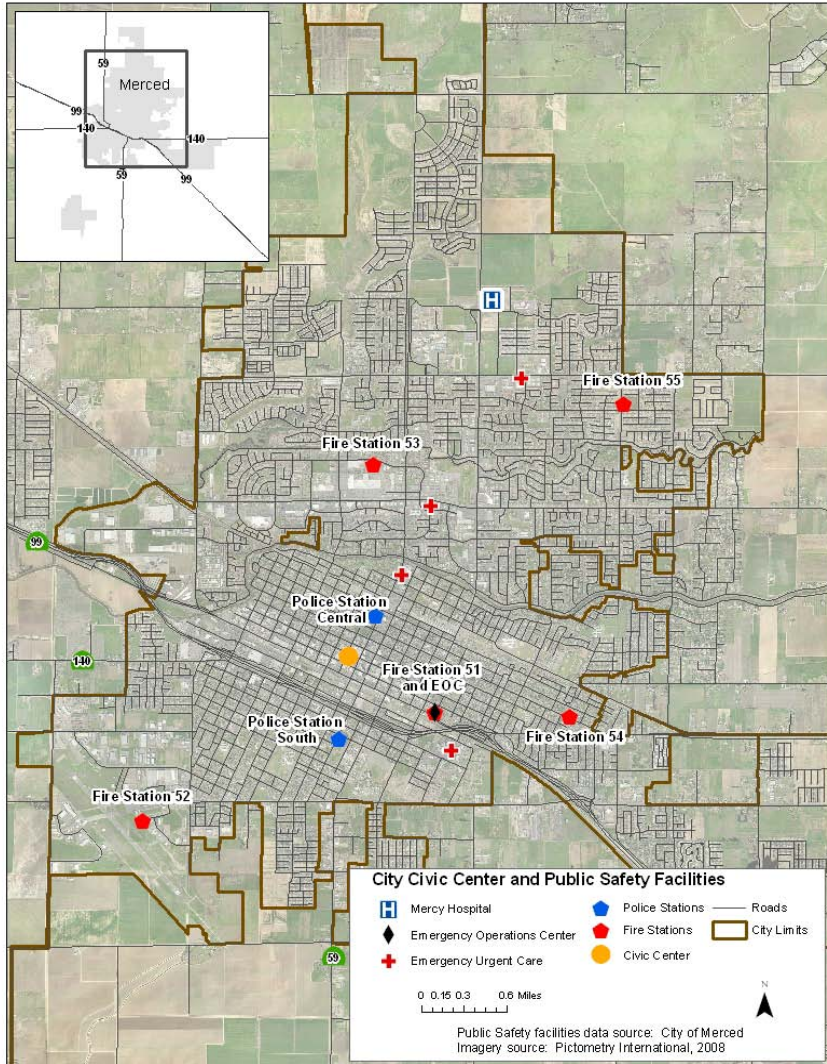


Local Capabilities

What is being done? Where are the Gaps?

- Emergency Service Providers and Services
 - Administrative and Technical Mitigation Capabilities
 - Fiscal Mitigation Capabilities
 - Key Legal and Regulatory Capabilities
 - Critical Facilities
- 

Critical Facilities





Existing Mitigation

- Flooding
 - Floodplain Ordinance
 - Fire
 - Weed Control Program
 - Extreme Heat
 - Cooling Center
 - Earthquake
 - Construction Standards
 - Drought
 - Mandatory Water Conservation
- 



Gaps


Flooding

Though the City experiences generally low-impact flood events, larger historical events could negatively affect the City, cutting off local and regional lifelines and services.

Flood Damage occurs repeatedly near Highway 140 and Thornton Road, at the confluence of Bear Creek and Black Rascal Creek.

Earthquake

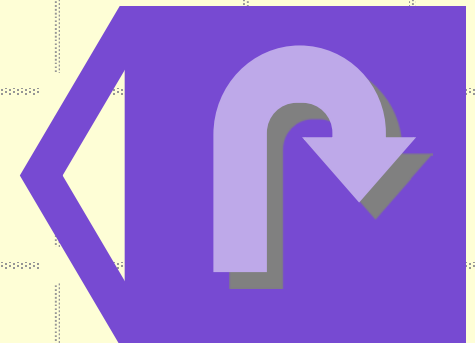
Earthquakes in Merced are generally low magnitude and very infrequent, but central Merced structures are highly vulnerable to such an event.



Council and Public Input

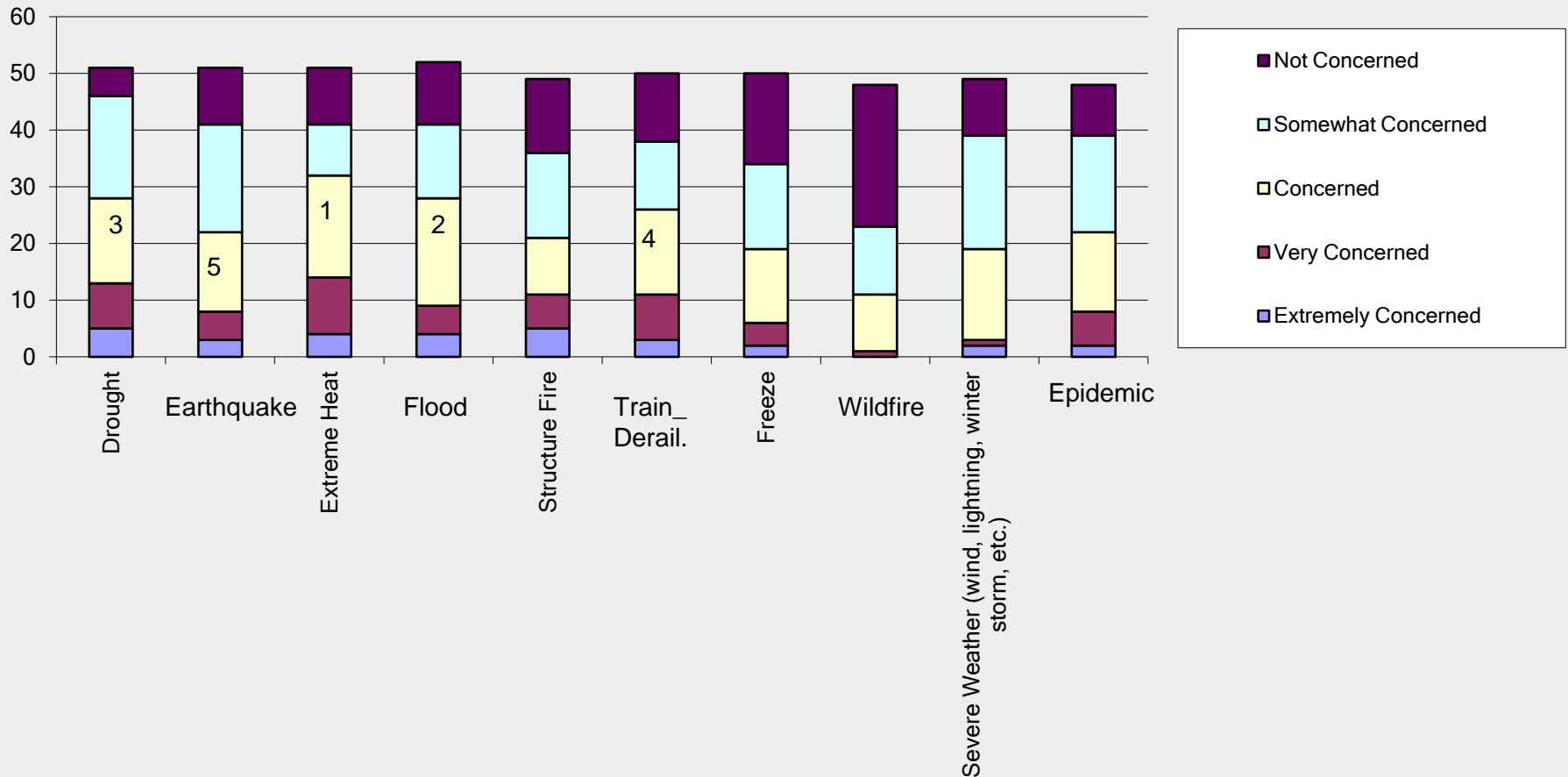


4. Preliminary Survey Results



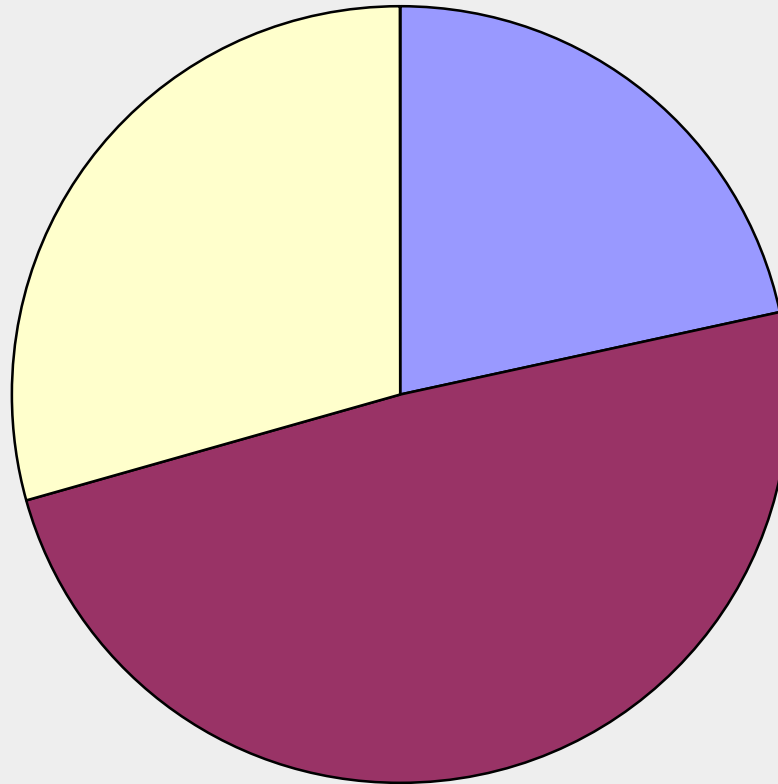
Question 2

How concerned are you about the following natural hazards in the City of Merced?



Question 7

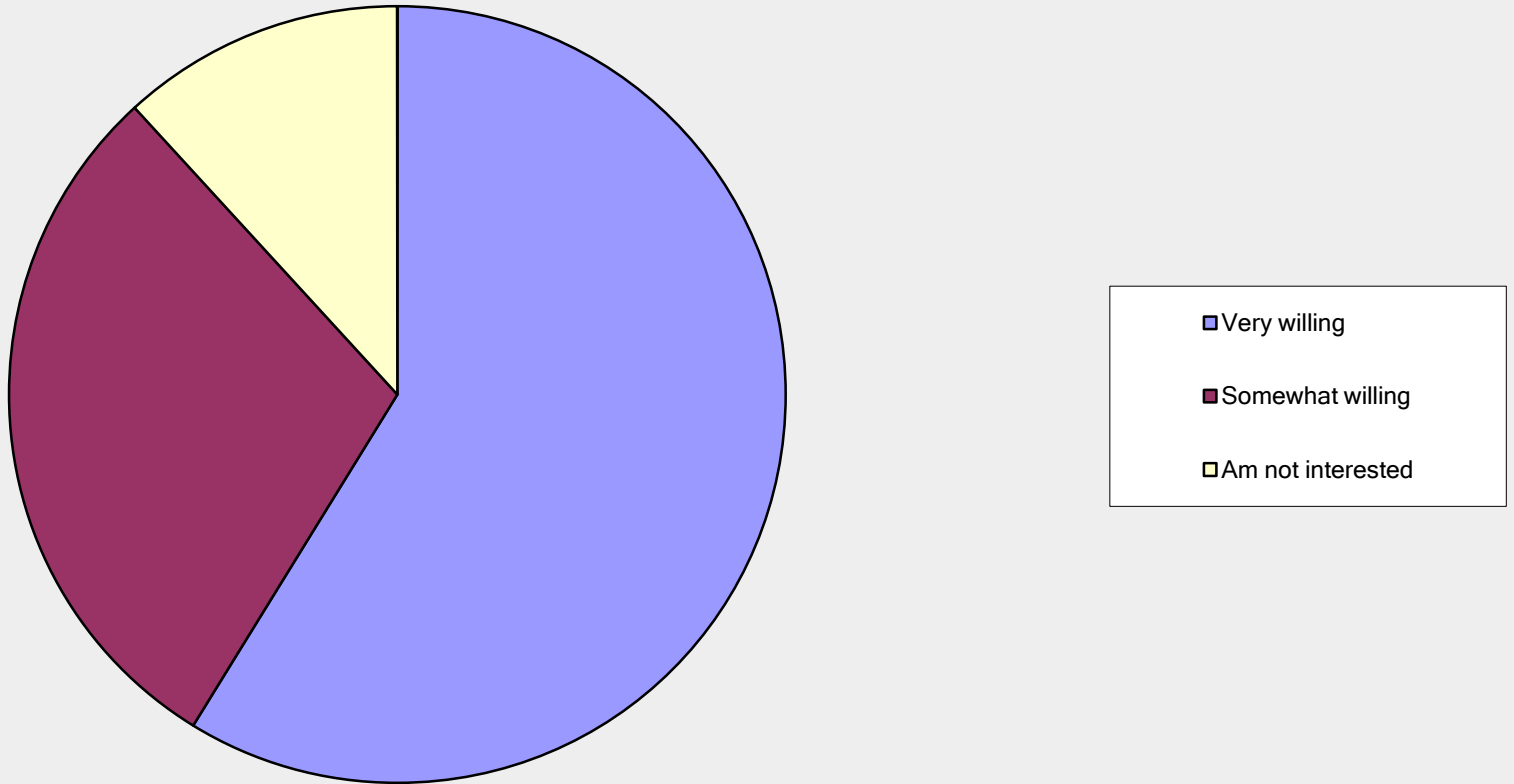
Is your property located in a FEMA designated flood plain?



■ Yes ■ No □ Not sure

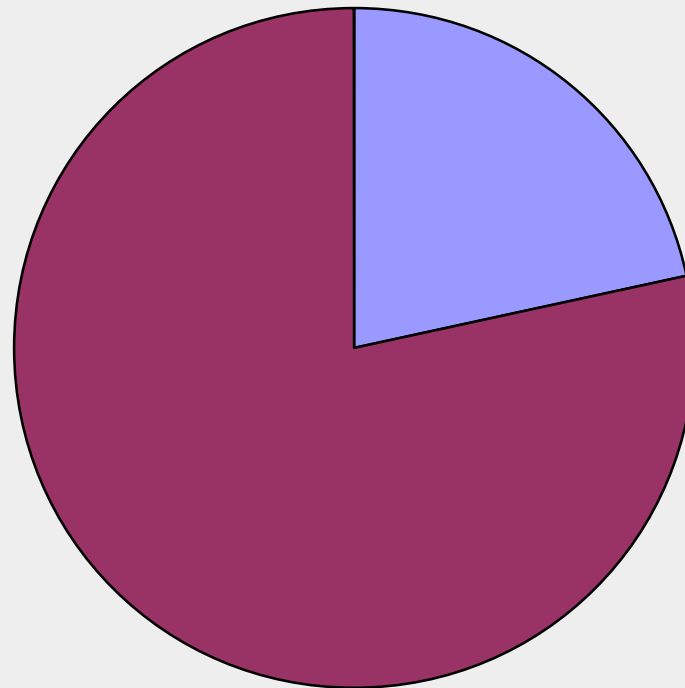
Question 14

How willing would you be to volunteer during a disaster event?



Question 18

Would you like to be contacted by the City of Merced Fire Department about emergency preparedness volunteer opportunities?



■ Yes ■ No



Outreach

- Posted on City Website
 - Newspaper Articles
 - Prior Disaster Council Meetings
 - City Employees Newsletter
 - City Connection Article (utility bills)
 - **Only 51 Responders**
 - E-mail Blast to City Commissions and Committees
 - E-mail Blast to 50 Project Stakeholders
 - 93 Neighborhood Watch Block Captains
 - Other Ideas?
- 

Council and Public Input



5. Draft Mitigation Actions





Mitigation Categories

Prevention: planning, zoning, building codes, capital improvement projects, open space, and floodway preservation, and storm water management safeguards.

Property Protection: elevation, retrofits, relocation, and flood-proofing.

Public Education: outreach, disclosure information for real estate transactions, information brochures along with public mailings and educational programs.

Resource Protection: Cleaning of creeks, debris removal, management of City trees, restorative plantings, and dedicating creek-side open space to the City.

Structural Projects: cleaning of creeks, cooling centers, projects to modify FEMA maps.

Emergency Services: Response times, special training classes, standby power for critical facilities, and emergency personnel communications.





Relative Importance to Community

- Emergency Services 81%
 - Public Education 73%
 - Prevention 67%
 - Resource Protection 48%
 - Property Protection 46%
- 



Assignment

- Numeric Ranking
 - Your Comments
 - Suggested New Actions
- 



Returning Information

By July 31, 2012, return the assignment to

Bill King via:

- Interoffice Mail
 - Email as pdf
 - Drop Off or Postal Service
- 

Council and Public Input

