

THE SAN BERNARDINO COUNTY
FIRE DEPARTMENT'S
COMMUNITY PREPAREDNESS
PRESENTATION

“THE FIRST 120+ HOURS”



Samples of World Wide Disasters

- Terrorist Attacks
- Chemical Releases
- Conflagrations
- Tornadoes
- Flooding
- Hurricanes
- Nuclear Releases

- Tsunami's
- **EARTHQUAKES**

KATRINA, USA

CALIFORNIA FIRES, USA

NORTHRIDGE QUAKE, USA

THREE MILE ISLAND, USA

CHERNOBYL, RUSSIA

BHOPAL, INDIA

MEXICO CITY QUAKE, MEXICO

Lessons of KATRINA



Katrina hitting Mississippi

Aftermath of Katrina



KATRINA

- Were the people hit by KATRINA prepared for a disaster of such magnitude?
- Were local governments prepared?
- Were state governments prepared?
- Was FEMA prepared?

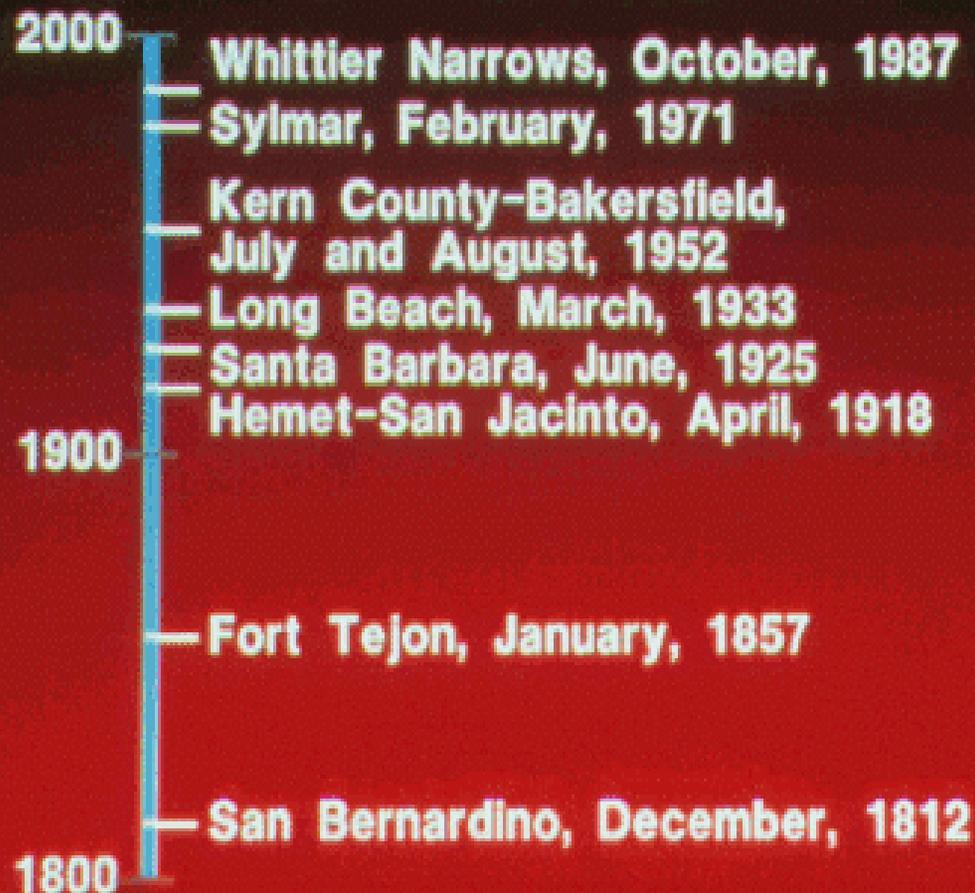
Would you be PREPARED?

ARE ALL OF US PREPARED?

IS CALIFORNIA DUE?

A HUNDERED YEAR
HISTORY OF QUAKES IN
CALIFORNIA SHOWS THAT
THE STATE IS MOST
DEFINITELY
EARTHQUAKE PRONE

SIGNIFICANT EARTHQUAKES IN THE GREATER LOS ANGELES REGION 1800 TO THE PRESENT



Date	Magnitude	Location
Sept. 28, 2004	6.0	Parkfield, CA
Dec. 22, 2003	6.5	San Simeon, CA
Dec. 20, 2000	4.6, 4.3	Burney, CA
Sept. 3, 2000	5.2	Youngville, CA
Jan. 10 + 18, 2000	4.3, 4.2	Cloverdale, CA
Oct. 16, 1999	7.1	Hector Mine, CA

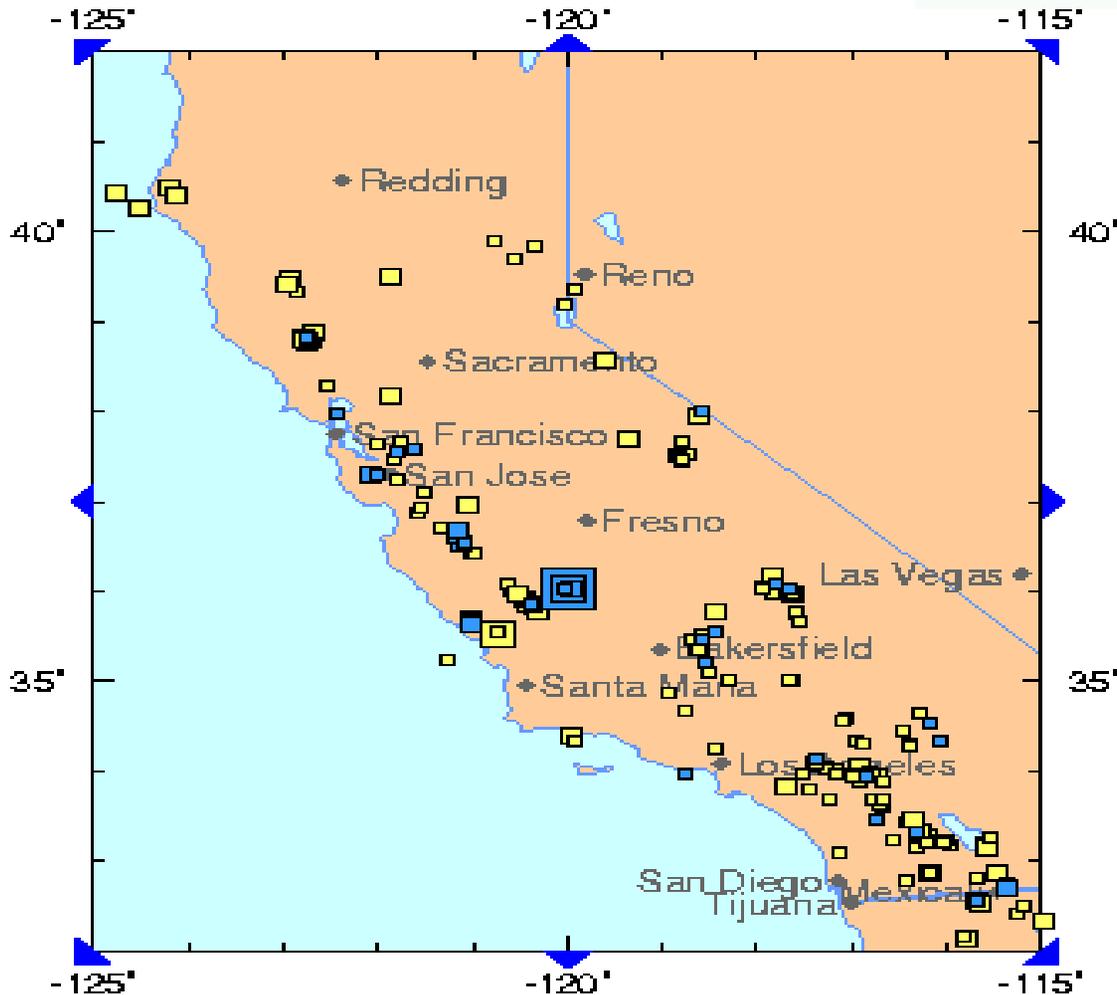
Date	Magnitude	Location
Aug. 17, 1999	5.0	Bolinas, CA
<u>Jan. 17, 1994</u>	<u>6.9</u>	<u>Northridge, CA</u>
<u>June 28, 1992</u>	<u>7.3</u>	<u>Landers, CA</u>
June 28, 1991	5.8	Sierra Madre, CA
<u>Oct. 17, 1989</u>	<u>6.9</u>	<u>Loma Prieta, CA</u> <u>(San Francisco Area)</u>
Oct. 1, 1987	5.9	Whittier Narrows, CA

Date	Magnitude	Location
May 2, 1983	6.7	Coalinga, CA
Feb. 9, 1971	6.6	San Fernando, CA
March 22, 1957	5.3	San Francisco, CA
July 21, 1952	7.5	Kern County, CA
March 10, 1933	6.4	Long Beach, CA
<u>April 18, 1906</u>	<u>7.9</u>	<u>San Francisco, CA</u>

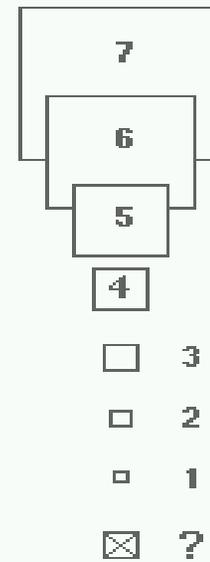
USGS Earthquake Map of January 29, 2005

Sat Jan 29 1:00:02 UTC 2005

253 earthquakes on this map



magnitudes



- last hour
- last day
- last week



Our Risk Factors

- An 8.0 or greater earthquake has been predicted for the San Andreas fault line.
- The quake which caused the 30 foot Tsunami in Asia was magnitude 9.0.

What will be the Fire Department Response Capabilities after an 8.0 or greater quake?

Studies conducted after the Loma Prieta quake have suggested that the **incapacity rate of Emergency Responders** after such a high magnitude quake can reach **UP TO 50%**.

What will available Emergency Response Personnel be committed to?



THE PRIMARY DUTIES OF FIRE PERSONNEL DURING THE FIRST 120 HOURS WILL BE TO:

- **PERFORM MAJOR LIFE THREAT RESCUES**
- **EXTINGUISH MAJOR FIRES**
- **MITIGATE HAZARDOUS MATERIALS INCIDENTS**

Current San Bernardino County Fire Department Specialized Capabilities



•2-Fully equipped Hazardous Materials Response Unit staffed with qualified Hazardous Materials specialists and technicians.

•3 fully equipped Urban Search And Rescue Unit (Heavy Rescue Classified) staffed with qualified USAR technicians.

The County Fire Chief's Association's **INCIDENT MANAGEMENT TEAM**

The County Fire Chiefs Association has formed an Incident Management Team made up of managers from most all fire departments within San Bernardino county.

This team is made up of highly trained, experienced and qualified personnel in the area of Emergency Incident Management.

This team can be deployed by a request made through the County Communications Center or by any of the Fire Chiefs within the cities of the county.

WILL THERE BE HELP COMING FROM OTHER AREAS?

- There is a State as well as a National Mutual Aid System in place which are activated during major emergencies.
- Support will start pouring in from unaffected areas in the state and nation.
- **Time Delays** in support services will be due to time needed for Mobilization and Access

MOBILIZATION TIME?

- Time involved in finding and dispatching emergency equipment/ personnel.
- Travel time for their arrival from outlying areas.



ACCESS TIME?

Access refers to the possibility of road damages, bridge collapses, etc., which can cause delays in travel time to the affected area(s).



WHAT THEN, IS THE *TIME*
CONCERN TO THE PUBLIC?

THE FIRST

120+ HOURS

For the First 120+ Hours

- Plan on sustaining yourself and your family.
- This is where **Emergency Preparedness** comes in.
- Plan ahead and conduct practice drills with your family.

CONSIDERATIONS FOR **“YOUR PLAN”**

- Assemble an **Emergency Preparedness Kit**
- Know how to **Shut Off** your **Utilities**
- Determine best **Escape Routes** from home and business
- Find Safe Spots around your home to **“Shelter in Place”**

Considerations for an Emergency Kit

- **Food Supplies**
- **Water (water heater)**
- **First Aid Kit**
- **Warm Clothing**
- **Family Pictures**
- **Cash**
- **Medications**
- **Fire Extinguisher**
- **Important Papers**
- **Maps of the area**
- **Matches**
- **Flashlight & Batteries**
- **Rope**
- **Rain Gear**
- **Small Tent**
- **Reading Glasses**
- **Personal Care Items**

**WHAT ABOUT
THE HOUSEHOLD
UTILITIES?**

WHAT YOU SHOULD KNOW!

1. Know how to shut off your Gas at the meter, in case of leaks.



Gas Shut Off Tool

2. Know how to shut off your Electricity, if required.

Common
Electrical
Panel



**3. Know how to shut
off your Water, in
case of leaks.**

Water Shut Off Tool



Escape Routes

- Draw up an “Escape Drills In The Home” plan.
- CONDUCT/ PRACTICE DRILLS to determine if anything has been overlooked.
 -
- **EVERYONE** in the household **NEEDS TO PARTICIPATE** for it to be successful.
It may SAVE YOUR LIFE.
- Be familiar with Escape Roads out of your particular geographical area.

SHELTERING IN PLACE

- Identify safe areas in and around your home and inform everyone in your household.
- Identify meeting places and make all family members aware of them.
- Remember that you should be prepared to **shelter in place** for a minimum of **120 hours**, if needed.

WHERE CAN YOU GET MORE INFORMATION?

- **NEIGHBORHOOD WATCH PROGRAMS.**
- **Federal Emergency Management Administration.**
- **AMERICAN RED CROSS** is an excellent source for information.
- County & State Office of Emergency Services
- **Community Emergency Response Teams Program**
- The San Bernardino County Fire Department

Neighborhood Watch Programs

- Get involved with your neighbors
- During a major disaster, you will need one another
- Don't wait for the disaster, **PLAN NOW**



Become a C.E.R.T. Volunteer

- Learn how you can help yourself, your family and your neighbors during those first 120 hours.
- Get equipped with your initial tool kit which is provided for you.

Community

Emergency

Response

Teams are vital in helping during the first 120 hrs. Contact your local Police Department or the County Office of Emergency Services for details on how to become a CERT member.

Don't Wait! **BE PREPARED!**

- Get started TODAY!
- Get your neighbors and friends involved!
- A disaster affects us all!

- **Become a part of the solution for the FIRST 120 HOURS.**
- Because once the disaster hits, (as seen with Katrina) there will be many problems to solve if we are not somewhat prepared to self-sustain for the first 120.....

THE SAN BERNARDINO COUNTY FIRE DEPARTMENT



Thanks You

For Your Time & Attention

This presentation was developed by
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