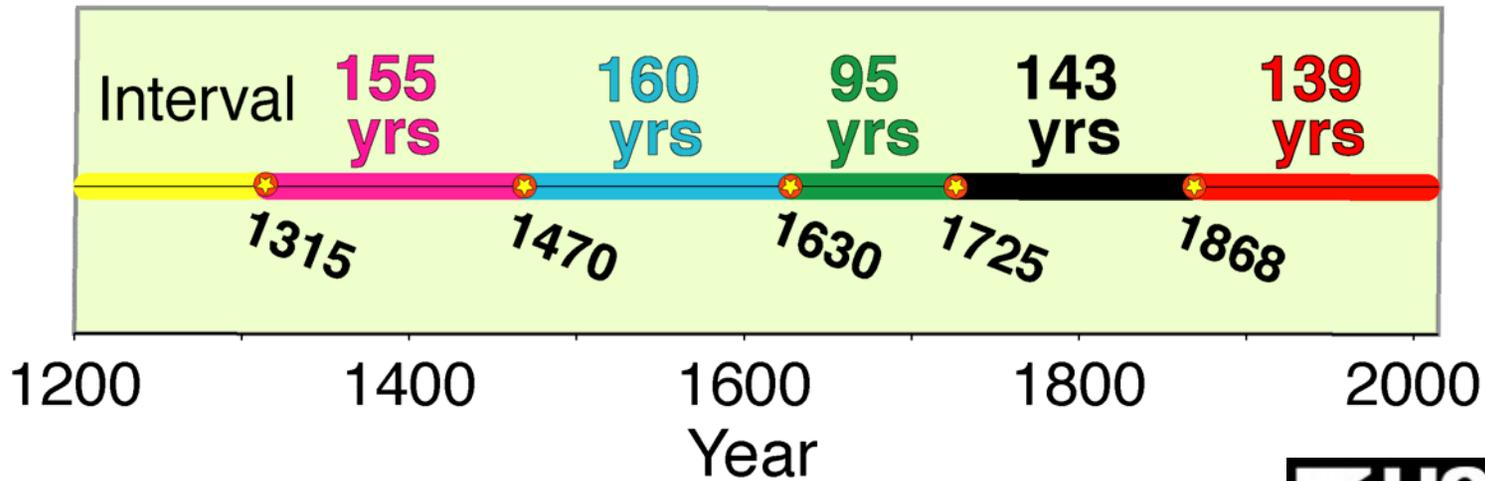


**90 days and counting  
after a repeat of the  
1868 earthquake...**

***JEANNE PERKINS***

***Mock Public Hearing Presentation***

# The Last Five Hayward Fault Earthquakes Have Been 140 Years Apart on Average



**Yet People Still Seemed Surprised  
When the San Leandro Earthquake  
Struck the East Bay 90 Days Ago!**

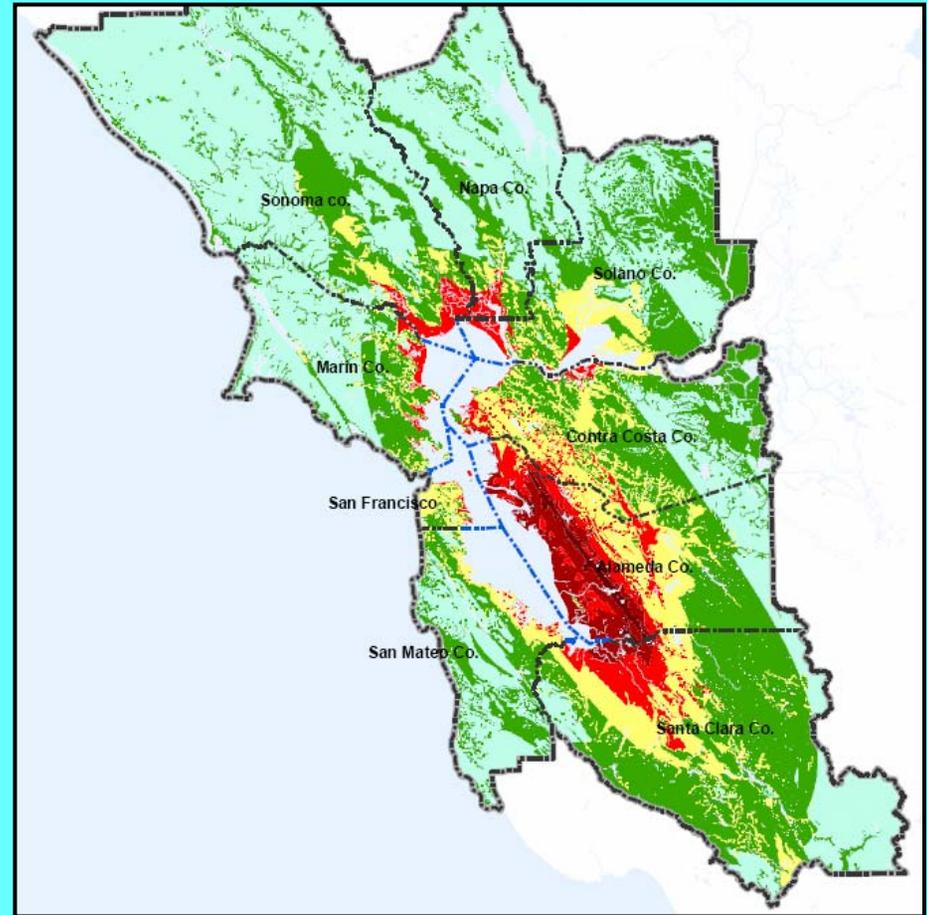
# Housing Losses

- **16,000** uninhabitable units in Loma Prieta
- **46,000** uninhabitable units in Northridge
- This earthquake = **93,000** uninhabitable units



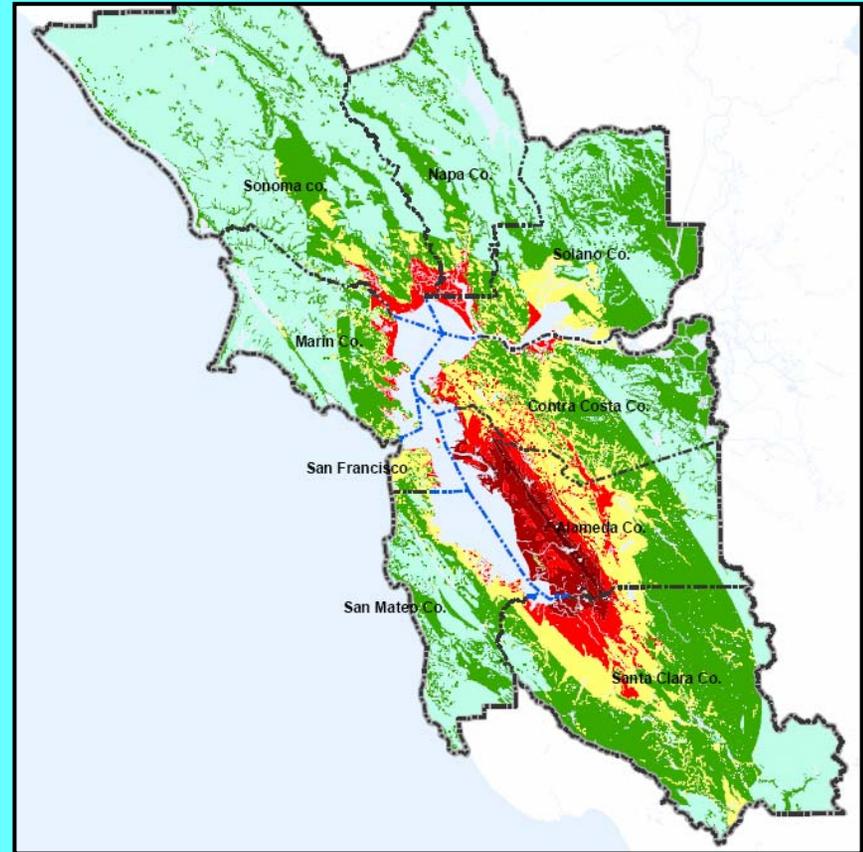
# What Happened - M 6.7 on Southern Hayward Fault

- **93,000**  
uninhabitable  
housing units
- **(300,000 – Katrina)**
- **220,000**  
people displaced
- **(1,700,000 – Katrina)**
- **70,000**  
people in shelters



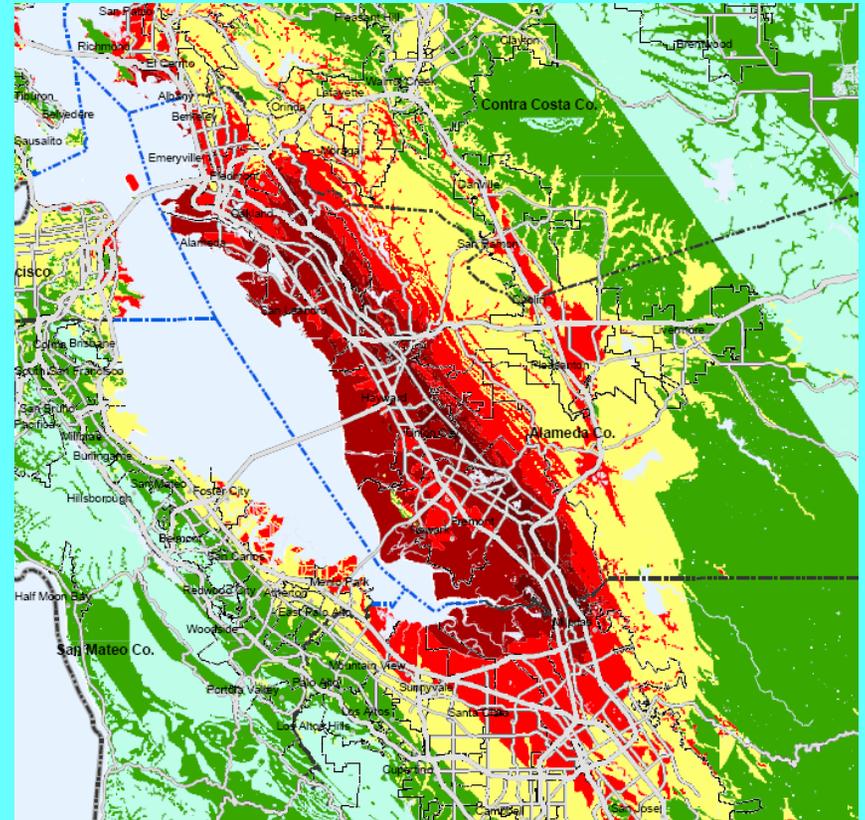
# Uninhabitable Housing Units - M 6.7 on Southern Hayward by County

- **64,450 Alameda**
- **1,760 Contra Costa**
- **1,030 Marin**
- **13,970 San Francisco**
- **11,890 Santa Clara**



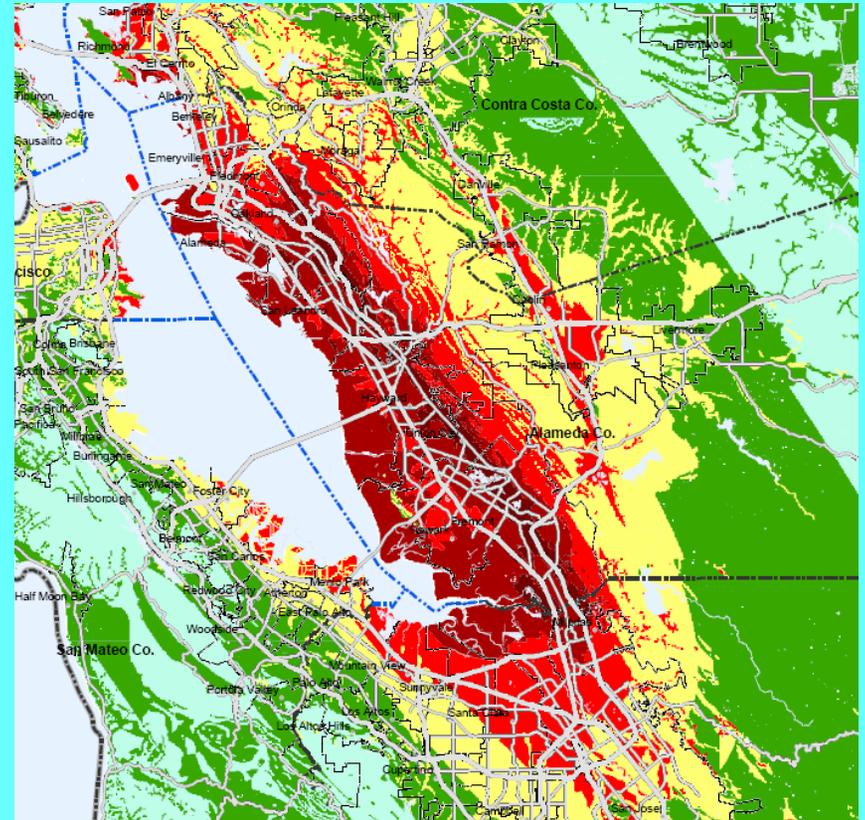
# Uninhabitable Housing Units - M 6.7 on Southern Hayward in NW Alameda Co.

- **5,590 Alameda**
- **470 Albany**
- **4,530 Berkeley**
- **1,090 Emeryville**
- **27,600 Oakland**
- **60 Piedmont**
- **42 % of problem**



# Uninhabitable Housing Units - M 6.7 on Southern Hayward to South

- **4,170 San Leandro**
  - **7,680 Hayward**
  - **1,080 Union City**
  - **6,760 Fremont**
  - **400 Newark**
  - **1,020 Milpitas**
  - **5,680 San Jose**
- 29 % of “problem”**

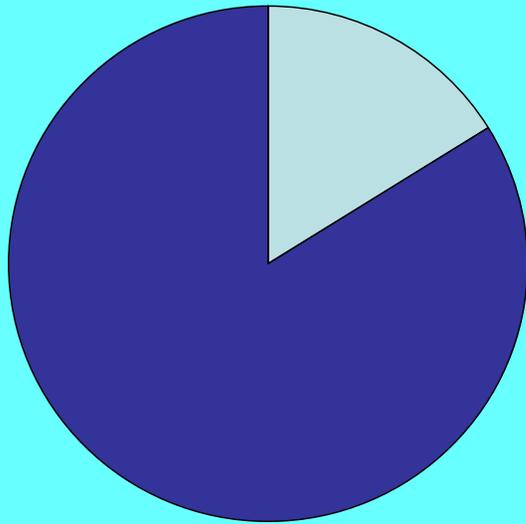


# Housing Problems Vary by Type

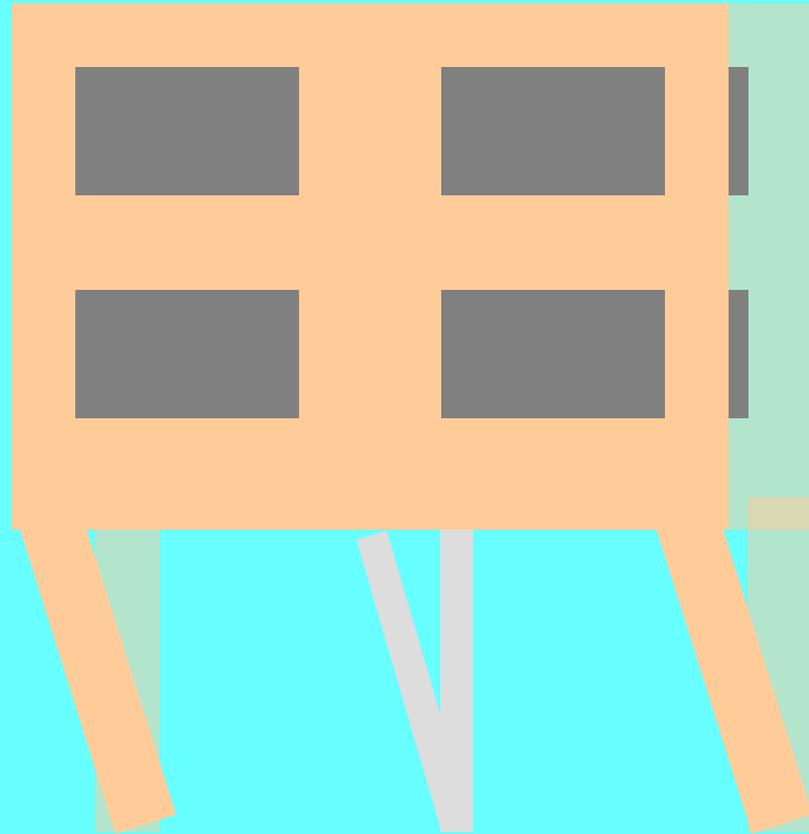
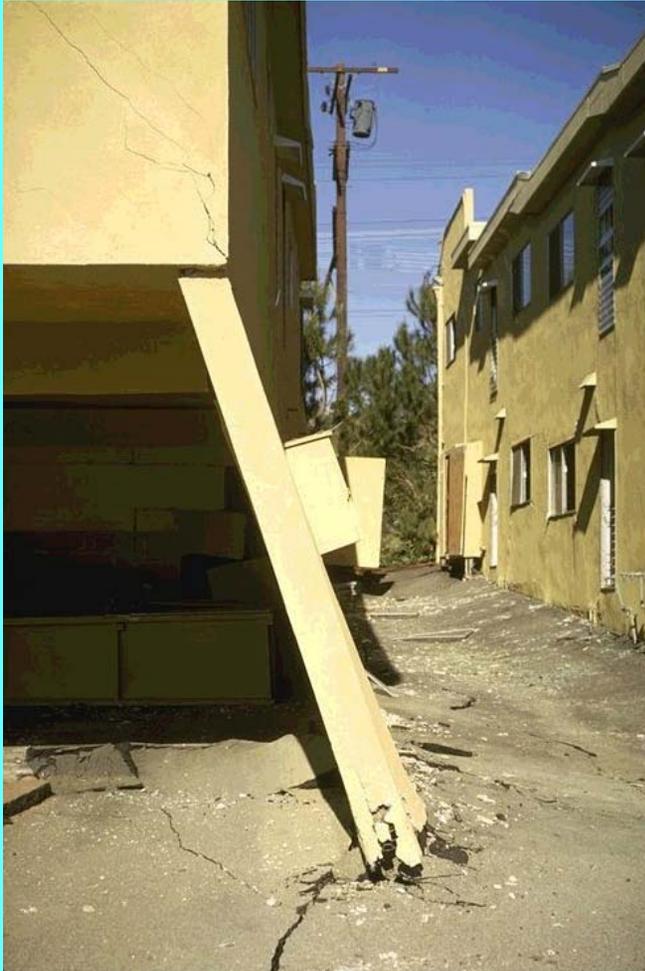


# Multifamily vs. Single-Family

84% of the problem  
in the Hayward  
Nightmare



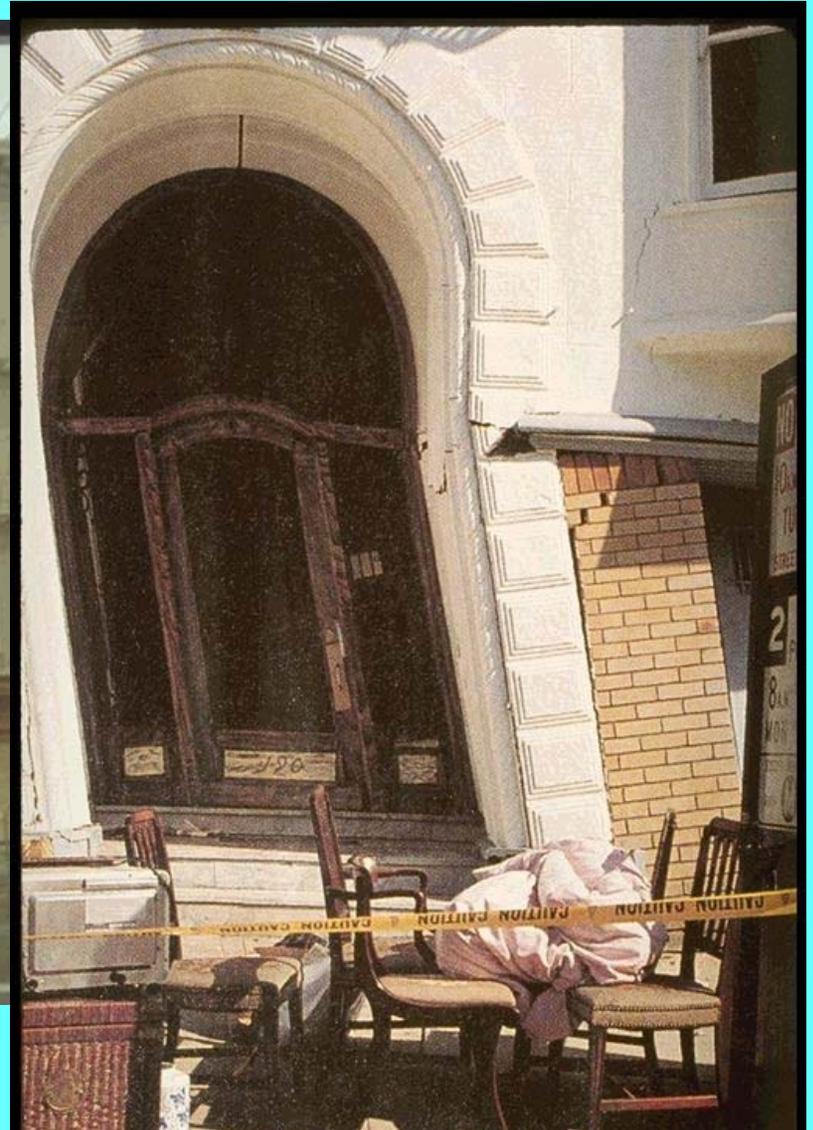
# Sideways in Soft-Story Buildings



# Side Sway: 1971



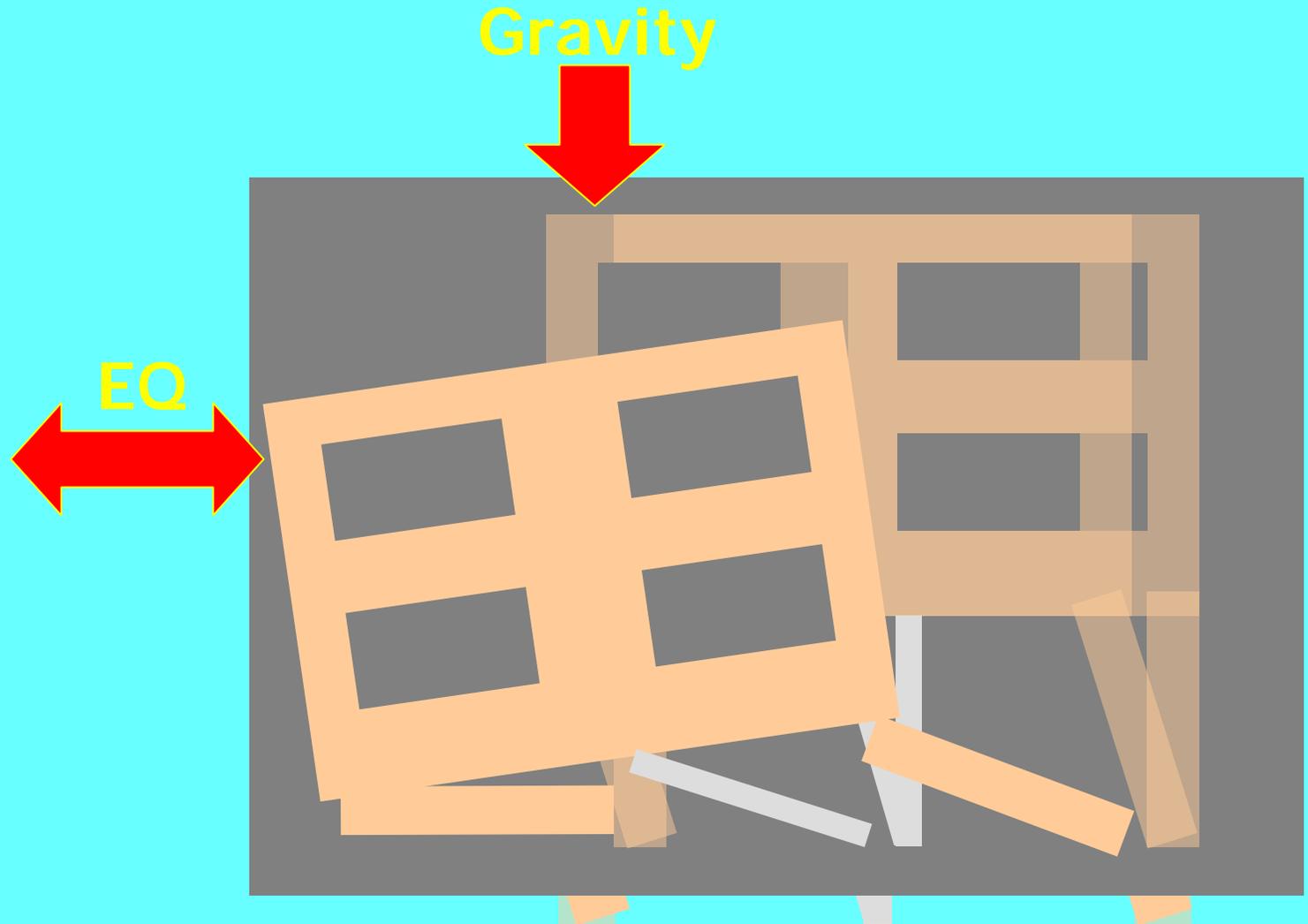
# Side Sway: 1989



# Side Sway: 1994



# Collapse in Soft-Story Buildings



# Collapse: 1989

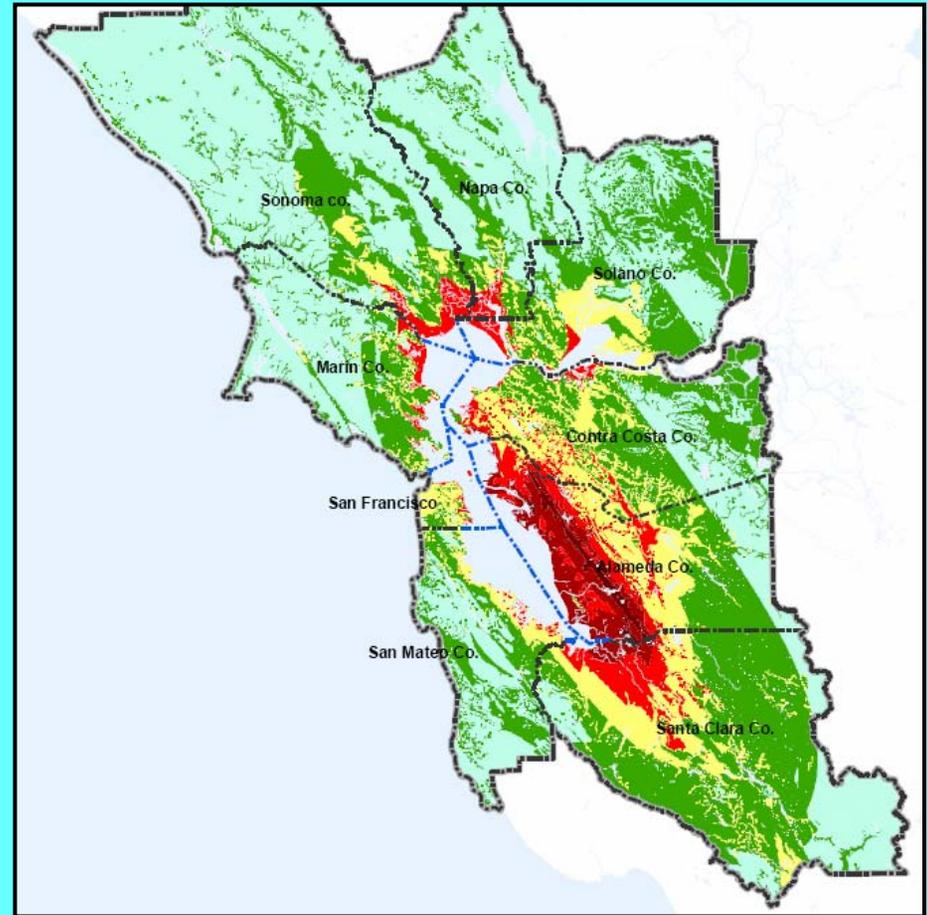


# Collapse: 1994



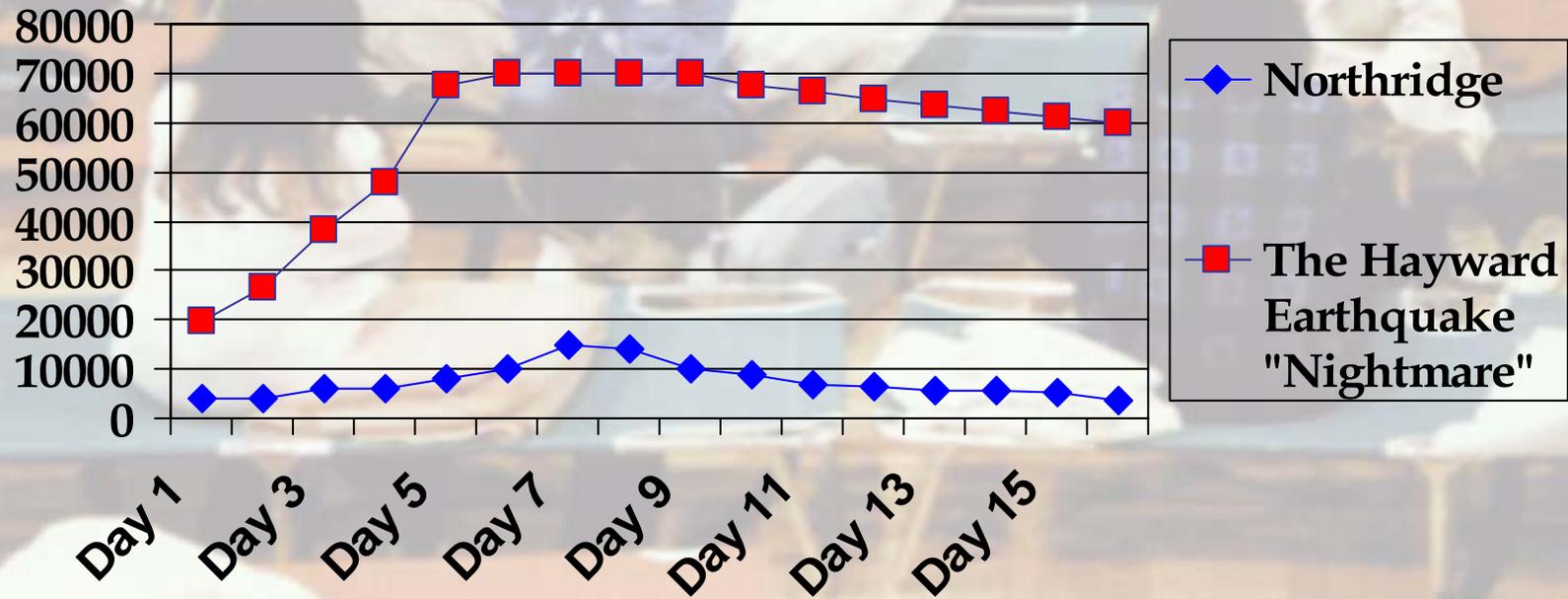
# What Happened - M 6.7 on Southern Hayward Fault

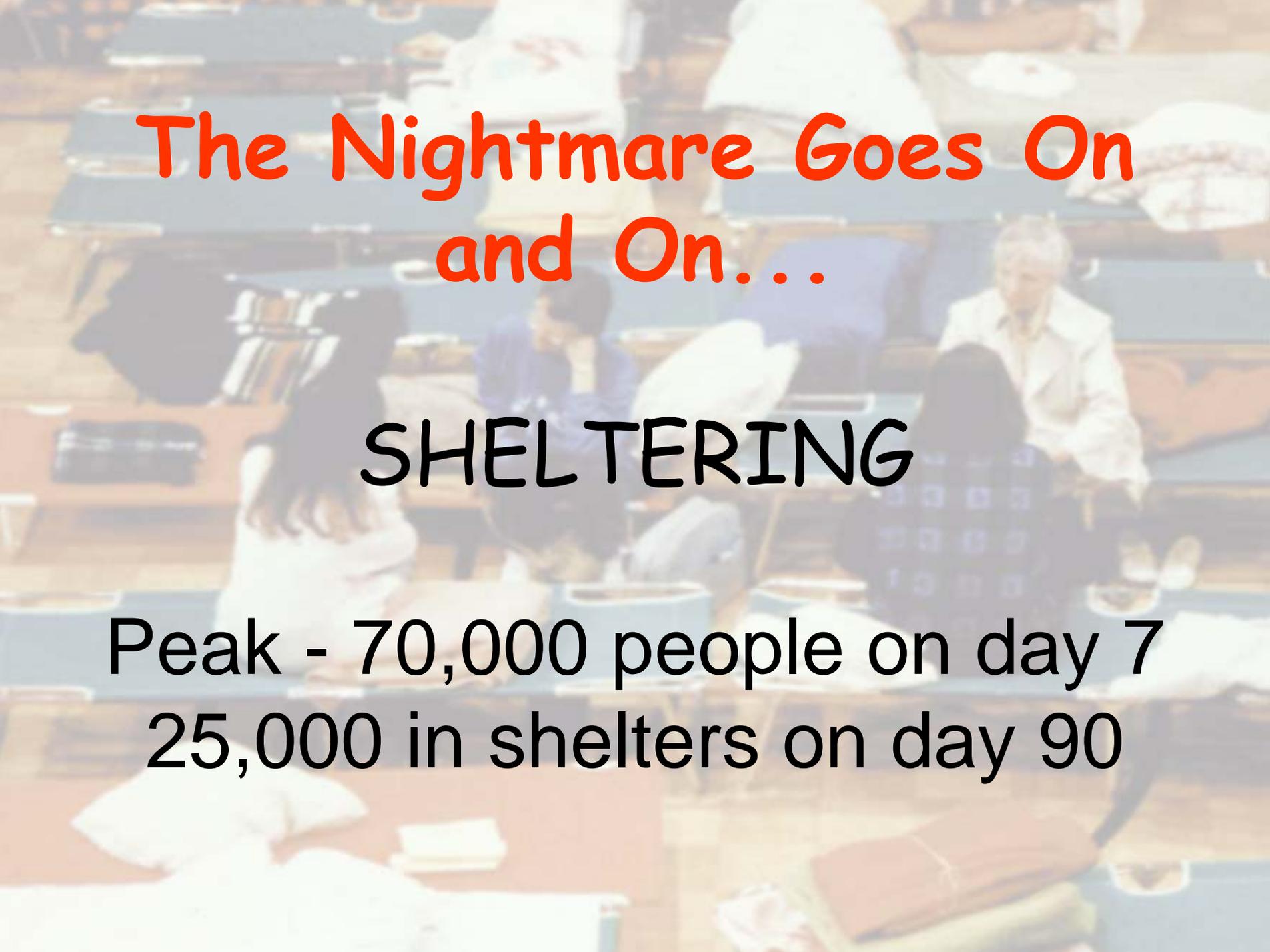
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people in shelters



# The Nightmare Goes On and On...

## Peak Shelter Population





# The Nightmare Goes On and On...

## SHELTERING

Peak - 70,000 people on day 7  
25,000 in shelters on day 90

# The Nightmare Goes On and On...

## DOLLAR LOSSES

Residential Losses =  
\$ 90 Billion

Losses Covered by Earthquake  
Insurance = \$ 4.4 Billion