

M 7.0, 2024 Offshore Cape Mendocino, California Earthquake

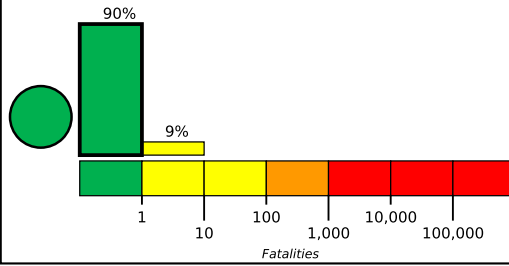
Hazus-PAGER Version 1

Origin Time: 2024-12-05 18:44:16 UTC (Thu 10:44:16 local)
Location: 40.2988° N 125.3768° W Depth: 10.0 km

FOR TSUNAMI INFORMATION, SEE: tsunami.gov

Created: 2 hours, 25 minutes after earthquake

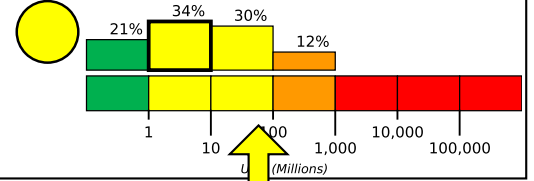
PAGER Estimated Fatalities



Yellow alert for economic losses. Some damage is possible and the impact should be relatively localized. Estimated economic losses are less than 1% of GDP of the United States. Past events with this alert level have required a local or regional level response.

Green alert for shaking-related fatalities. There is a low likelihood of casualties.

PAGER Est Economic Losses



Hazus Building Tagging Estimates

| INSPECTED | |
|-------------|-----------|
| Occupancy | # of tags |
| Residential | 1k |
| Commercial | 136 |
| Industrial | 42 |
| Education | 1 |
| Agriculture | 8 |
| Government | 3 |

| RESTRICTED USE | |
|----------------|-----------|
| Occupancy | # of tags |
| Residential | 1 |
| Commercial | 0 |
| Industrial | 0 |
| Education | 0 |
| Agriculture | 0 |
| Government | 0 |

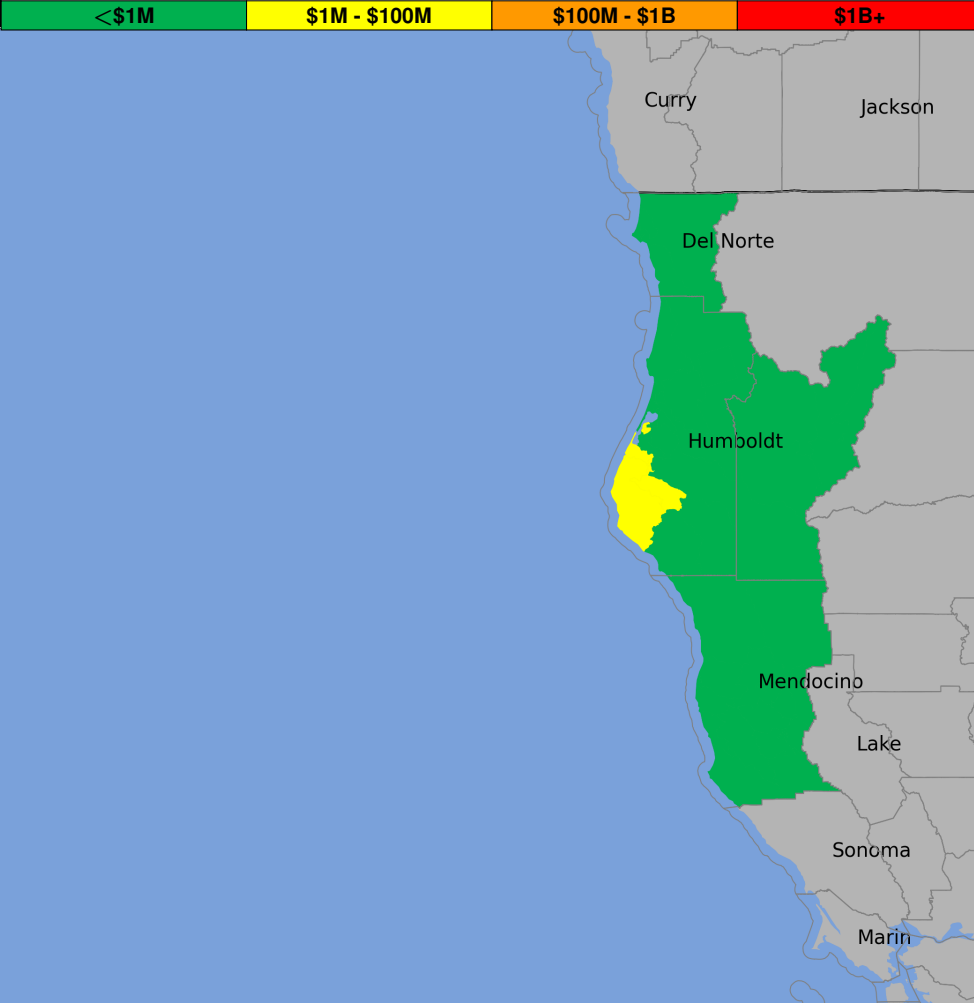
| UNSAFE | |
|-------------|-----------|
| Occupancy | # of tags |
| Residential | 0 |
| Commercial | 0 |
| Industrial | 0 |
| Education | 0 |
| Agriculture | 0 |
| Government | 0 |

Hazus Estimate

Direct Economic Losses by County

| County | State | Total (\$M) |
|---------------------------|-------|-------------|
| Humboldt | CA | 64 |
| Mendocino | CA | 0 |
| Del Norte | CA | 0 |
| Trinity | CA | 0 |
| Total (4 counties) | | 64 |

Estimated Direct Economic Loss by Census Tract



Non-Fatal Injuries by County

| County | State | Population | Total NFI |
|---------------------------|-------|-------------|-----------|
| Humboldt | CA | 136k | 1 |
| Mendocino | CA | 92k | 0 |
| Del Norte | CA | 28k | 0 |
| Trinity | CA | 16k | 0 |
| Total (4 counties) | | 272k | 1 |

Shelter Needs by County

| County | State | Total Households | | Total Displaced People |
|---------------------------|-------|------------------|----------|------------------------|
| | | holds | holds | |
| Humboldt | CA | 56k | 1 | 1 |
| Mendocino | CA | 36k | 0 | 0 |
| Del Norte | CA | 10k | 0 | 0 |
| Trinity | CA | 6k | 0 | 0 |
| Total (4 counties) | | 109k | 1 | 1 |

Earthquake Debris

| Category | Tons (millions) |
|-----------------------------|-----------------|
| Brick / Wood | 0.003 |
| Reinforced Concrete / Steel | 0.002 |
| Total | 0.005 |

Truck Loads (@25 tons/truck) 195