

# Earthquake Report: 1971.02.09

## M 6.7 Sylmar (& USGS Seismicity 1918-2018 M ≥ 4.5)

USGS Quaternary Fault and Fold Database

- Historic
- Holocene / Latest Pleistocene
- Late Quaternary
- Mid-Late Quaternary
- Quaternary

USGS

Magnitude

Depth (km)

- 0 - 33
- 33 - 70
- 70 - 150
- 150 - 300
- 300 - 500
- 500 - 800

USGS Google Earth

Plate Boundaries

- Divergent
- Transform
- Convergent
- Other

Plate Motion

Normal Fault

Thrust Fault

Strike-Slip Fault

| INTENSITY | I        | II-III   | IV      | V           | VI     | VII         | VIII           | IX      | X+         |
|-----------|----------|----------|---------|-------------|--------|-------------|----------------|---------|------------|
| Shaking   | Not felt | Weak     | Light   | Moderate    | Strong | Very Strong | Severe         | Violent | Extreme    |
| Damage    | None     | None     | None    | Very slight | Light  | Moderate    | Moderate/heavy | Heavy   | Very heavy |
| Peak Acc  | <0.17    | 0.17-1.4 | 1.4-3.9 | 3.9-9.2     | 9.2-18 | 18-34       | 34-65          | 65-124  | >124       |
| Peak Vel  | <0.1     | 0.1-1.1  | 1.1-3.4 | 3.4-8.1     | 8.1-16 | 16-31       | 31-60          | 60-116  | >116       |

Peak Acc = Peak ground acceleration (g), Peak Vel = Peak ground velocity (cm/s)

