



EXPLANATION

- ★ Epicenter, September 12, 1966
- 4.0-4.4 ⊕ 4.5-4.9 ⊕ 5.0-5.4 ● 6.0-6.9
- Instrumental epicenters, 1934-1961
- No earthquake recorded within the 5.5-5.9 magnitude range during this time
- Mapped fault
- Dashed where approximately located; dotted where concealed

TRANSITORY EFFECTS OF TRUCKEE EARTHQUAKE

- 10 Sharp seismic motion
- Arrow indicates approximate direction; number indicates approximate duration (seconds)
- 30 Rolling seismic motion
- Arrow indicates approximate direction; number indicates approximate duration (seconds)
- Sb Sound heard previous to seismic shock

TEMPORARY AND PERMANENT EFFECTS OF TRUCKEE EARTHQUAKE

TERRAIN

- G Broken ground
- R Rockfall, including boulders as much as 10 feet in diameter
- Sa Artificial fill slumped and fissured
- Sn Natural slopes slumped and fissured
- WATER REGIMEN
- As Change in spring flow; discharge muddy
- Aw Water from wells became muddy
- S(?) Probable seiche

STRUCTURES

- Bc Bridge (concrete deck on concrete piers) abutment or deck cracked or spalled
- Bf Bridge, artificial fill failed by slumping at abutments
- D Dam (earthfill), face or crest fill slumped and fissured
- Dc Dam (concrete), minor cracks
- F Wood flume punctured by falling boulder
- H Highway (asphalt on engineered fill) fill slumped and fissured, commonly along contact of cut and fill locally disrupting pavement
- P Pipeline ruptured
- RR Railroad fill spread, settled, and fissured
- T Telephone cable damaged by slope failure

BUILDINGS

- C* Chimney toppled at roofline or damaged
- L* Loose objects displaced (chiefly shelf goods)
- W* Plaster fell from walls or ceilings
- Wc* Masonry wall or slab cracked
- Wf Concrete foundation rent and broken by pulling of sill anchor bolts
- Wg* Glass broken from windows
- Wp Masonry wall punctured by falling boulder
- Wr Building severely racked by swaying
- Ws Walls swayed, minor twisting or separation of beams and trusses

OBJECTS INSPECTED AND FOUND UNDAMAGED

- B Bridge (commonly of concrete construction)
- G Unconsolidated ground
- *Indicates locality based on authoritative oral or newspaper report-not investigated

Base from Army Map Service 1:250,000 series:
Chico, 1962; Reno, 1957

Effects mapped Sept. 14-16, 1966 by Reuben Kachadoorian
and R. F. Yerkes, U.S. Geological Survey.
1934-61 epicenter locations from Calif. Dept. of
Water Resources (1964).
Faults from J. L. Burnett and C. W. Jennings (1962)

MAP SHOWING LOCATION OF THE TRUCKEE, CALIFORNIA, EARTHQUAKE EFFECTS, INSTRUMENTAL EPICENTERS OF EARTHQUAKES OF MAGNITUDE 4.0 AND LARGER RECORDED BETWEEN 1934 AND 1961, AND MAJOR FAULTS IN THIS AREA

