



EXPLANATION

★ Epicenter, September 12, 1966

○ 4.0-4.4 ○ 4.5-4.9 ○ 5.0-5.4 ○ 6.0-6.9

Instrumental epicenters, 1934-61
No earthquake recorded within the 5.5-5.9 magnitude range during this time

..... Mapped fault

Dashed where approximately located; dotted where concealed

TRANSIORY 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

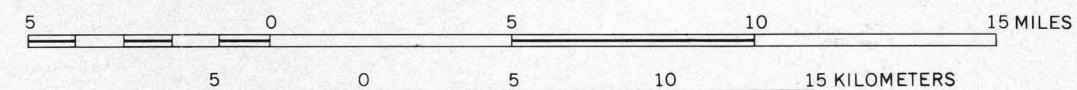
B Bridge (commonly of concrete construction)

G Unconsolidated ground

*Indicates locality based on authoritative oral or newspaper report-not investigated

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

SCALE 1:250 000



TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION, 1967

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).