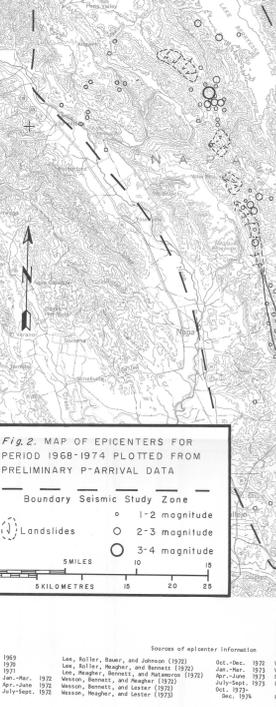
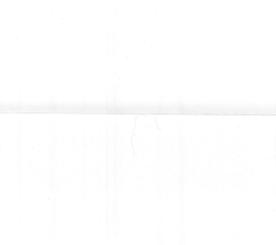




SYMBOLS
This report summarizes a study of the Green Valley fault and documents new evidence of recent activity...
THE GREEN VALLEY FAULT
The Green Valley fault extends at least 20 miles from Benbow in Solano County to Woodend in Napa County...
Geologic Setting
The Green Valley fault is a normal fault...
Location of Fault Features
The fault is located chiefly through the study of three sets of aerial photographs...
Surface Features Along the Green Valley Fault
Although produced in different and complex ways, the features common to recently active faults are...
ACTIVITY OF THE FAULT
The degree of hazard posed by a fault depends in part upon the activity of the fault...
Types of Movement of the Fault
Evidence of horizontal movement...
Possible Seismic Hazards by Recent Movement of the Green Valley Fault
Although the Green Valley fault is about 2,000 feet (600 m) long...
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Baker, R. F., 1963, *Map of Township 4 N., Range 3 W., West, Mount Diablo meridian...*
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BASE FROM U.S. GEOLOGICAL SURVEY 1:24,000 MT. GEORGE QUADRANGLE, 1951
CONTOUR INTERVAL 20 FEET (OTHER THAN NEAR TOWN)
Fig. 1. BLOCK DIAGRAM SHOWING PHYSIOGRAPHIC FEATURES PRODUCED ALONG RECENTLY ACTIVE FAULTS
A. Linear valley
B. Bench
C. Closed depression
D. Scarp
E. Vegetation lineation
F. Spring
G. Landslide
H. Offset stream
I. Flooded alluvium
J. Shutter ridge
K. Road
L. Saddle
M. Sag pond
N. Linear ridge
O. Trough or trench

BASE FROM U.S. GEOLOGICAL SURVEY 1:24,000 BENICIA, CORDELLA, PORT CHICAGO, 1950; FAIRFIELD SOUTH, 1949

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BASE FROM U.S. GEOLOGICAL SURVEY 1:24,000 BENICIA, CORDELLA, PORT CHICAGO, 1950; FAIRFIELD SOUTH, 1949

MAP SHOWING RECENTLY ACTIVE BREAKS ALONG THE GREEN VALLEY FAULT, NAPA AND SOLANO COUNTIES, CALIFORNIA

By
Virgil A. Frizzell, Jr. and Robert D. Brown, Jr.
1976