DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN FILE REPORT 83-358
PLATE 3 OF 10

STRAIN RELEASE MAP
(Equivalent numbers of M_S=4.0 events/area)
1803–1977
Basin and Range Province*

N_4(equivalent number of M_S=4.0 events)= 10(.75 M_S-3.0)

Contours represent the number of equivalent M_S=4.0 earthquakes (N_4) per 823 km^2(0.25° latitude X 0.33° longitude).

Contour interval: 10^{-3},10^{-1},10^{0},10^{1},10^{2} equivalent magnitude (Ms)=4 earthquakes per 823 km^2

Areas over which energy is summed are approximate and taken to be 0.25° latitude X 0.33° longitude (27.74 km.X 29.67 km.=823km.^{2}) at 37° latitude

Contour lines

Basin and Range Province Boundary

Nevada Test Site

*As defined by Fenneman., Nevin M.,1946, Physical Divisions of the United States, U.S.Geolgical Survey Map,1:7.0 million

0 50 100 150 200 MILES
0 100 200 300 KILOMETERS

Albers Equal Area Projection
with standard parallels at 29.5° and 45.5°

This map is preliminary and has not been reviewed for conformity with U. S. Geological Survey editorial standards.