

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) = $10^{(7.5 M_s - 3.0)}$
Contours represent the number of equivalent $M_s=4.0$ earthquakes
(N_4) per 823 km² (0.25° latitude X 0.33° longitude).
Contour interval: $10^{-3}, 10^{-1}, 10^0, 10^1, 10^2$ equivalent magnitude (M_s) = 4
earthquakes per 823 km².
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 = 823 km²) 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. Geological 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°