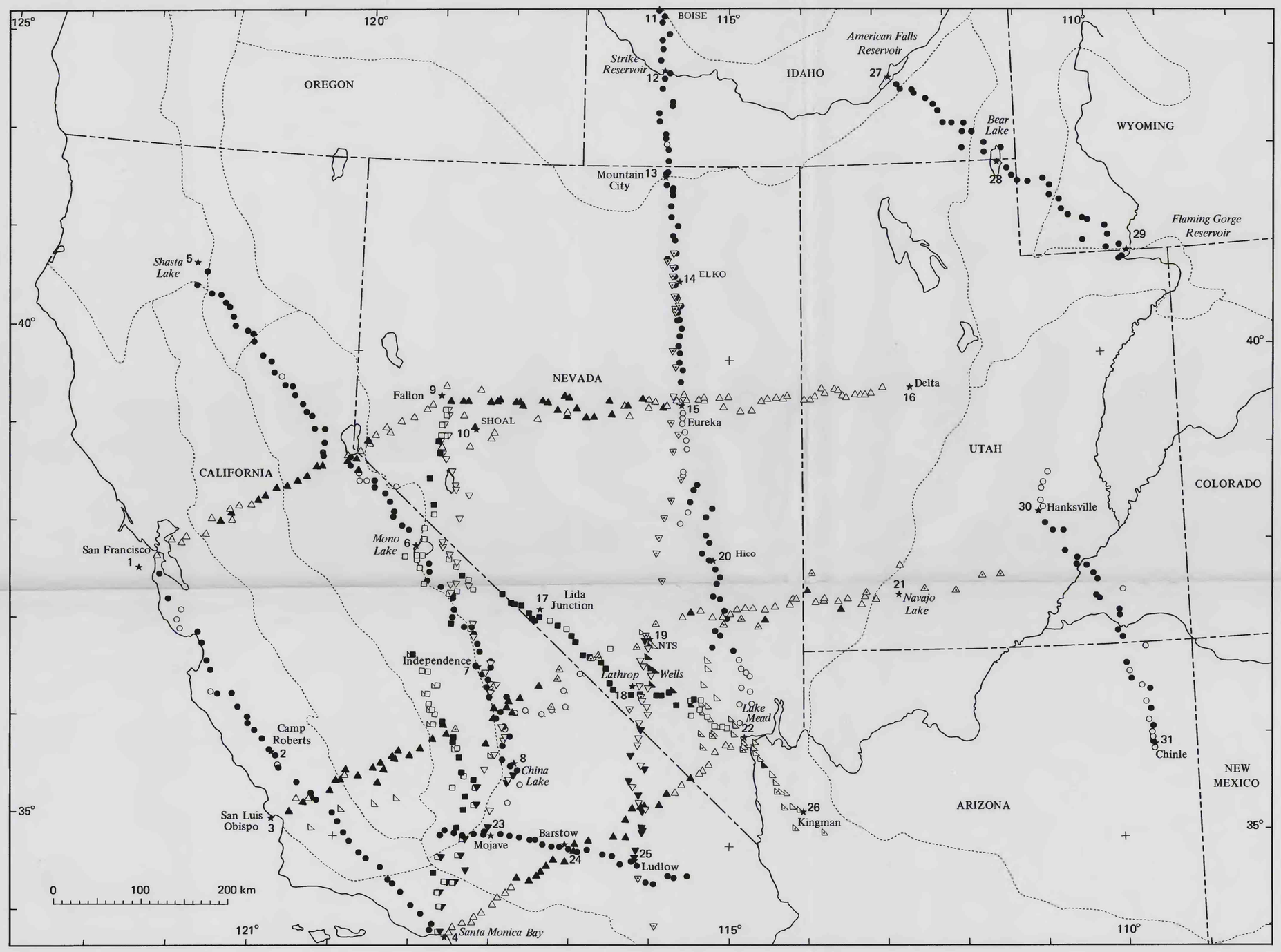


EXPLANATION

20 ★ Shotpoints (see table 1):

Recording units along the following lines:

- ● ○ American Falls-Flaming Gorge, Hanksville-Chinle, Boise-Lake Mead, Shasta Lake-China Lake, San Francisco-Santa Monica Bay, Mojave-Ludlow;
- ▲ △ Santa Monica Bay-Lake Mead, San Luis Obispo-NTS-Colorado, San Francisco-Fallon-Delta;
- ▼ ▽ Eureka-NTS-Ludlow, Fallon-China Lake-Santa Monica Bay;
- ■ □ Fallon-MonoLake-Santa Monica Bay, Mono Lake-Lake Mead;
- ◺ NTS-Kingman, China Lake-NW, China Lake-W;
- ○ Mono Lake: fan at 220 km distance

full symbol: recorded from the shotpoints at both sides

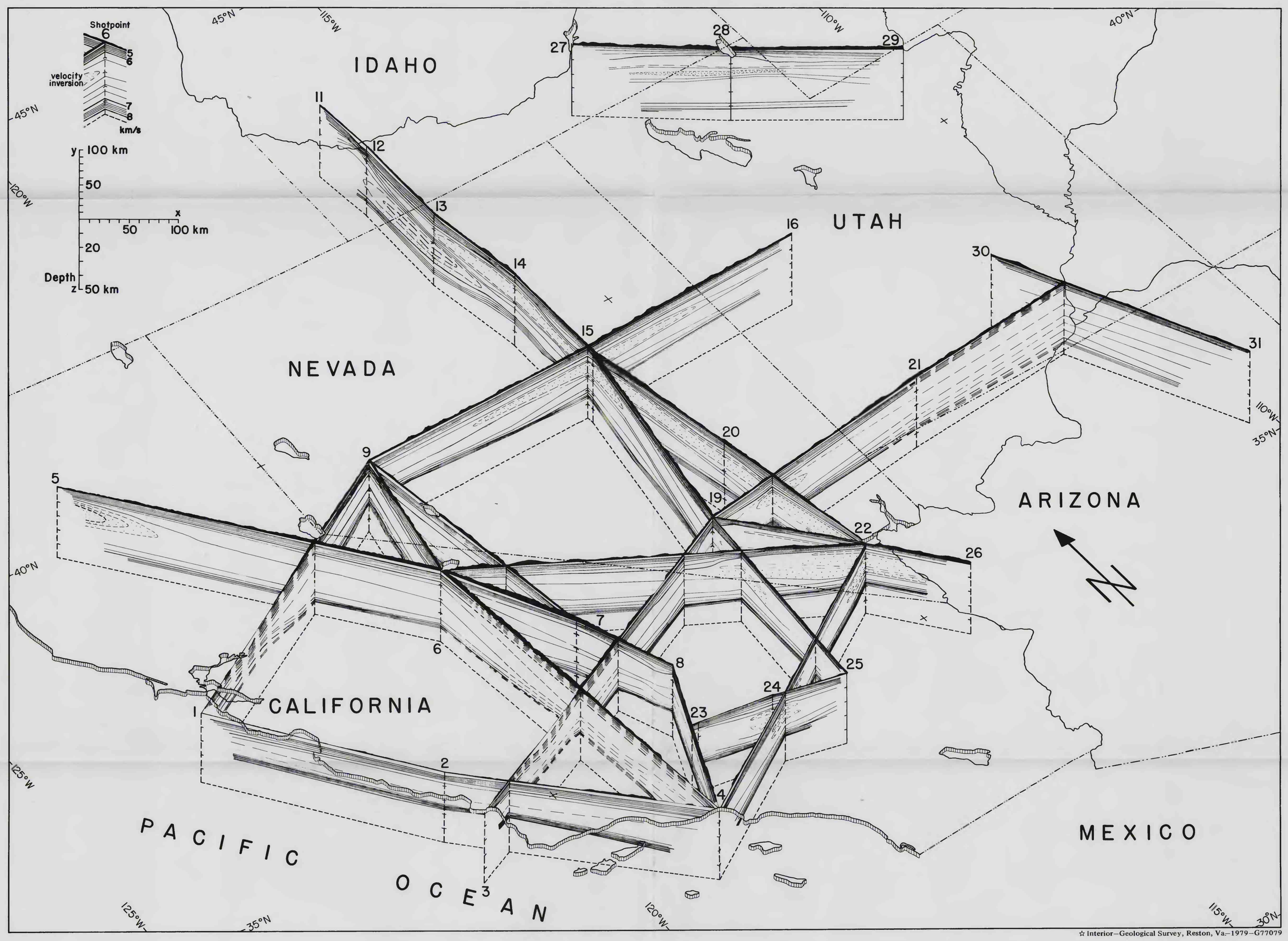
open symbol: recorded from one shotpoint only

(△ ▽ ◺ recorded from NTS only)

— — — State boundaries

..... approximate boundary of the physical divisions after Fenneman and Johnson (1946) (see fig. 1).....

FIGURE 2.– Location of shotpoints and recording units on the reinterpreted profiles.



☆ Interior—Geological Survey, Reston, Va.—1979—G77079

The diagram is viewed from an angle of 45° from the Pacific Ocean toward the northeast, approximately parallel to the line from Los Angeles to Salt Lake City. The depth z is exaggerated 2:1 versus the horizontal direction y (SW to NE). The scale of the surface altitude above sea level corresponds to the scale of the depth z. The cross sections are drawn along the lines shown in figures 12, 25, 36–40, 45, 50, 62–63, 68, 76, and 81.

The contour interval of the lines of equal velocity is 0.2 km/s. Velocity lines less than 5 km/s are not shown. Dashed lines indicate uncertain results. The depth scales under the shotpoints are divided into 10 km intervals. The shotpoints are numbered according to figure 1 and table 1.

FIGURE 87.– Fence diagram showing the crustal structure under California and Nevada and adjacent areas from seismic–refraction measurements.

LOCATION OF SHOTPOINTS AND RECORDING UNITS, AND FENCE DIAGRAM SHOWING CRUSTAL STRUCTURE UNDER CALIFORNIA AND NEVADA AND ADJACENT AREAS