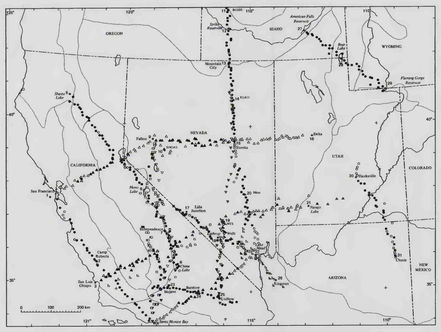

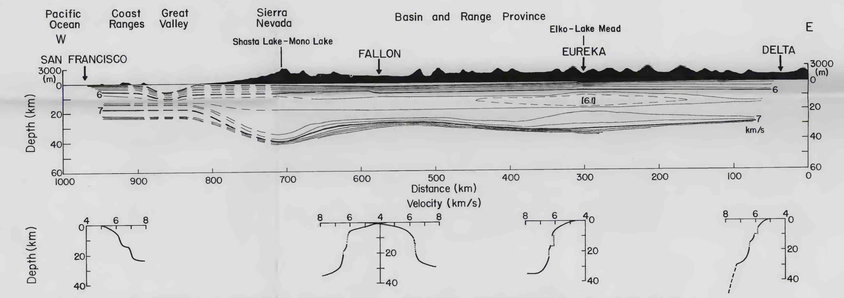

FIGURE 12.–Crustal cross section from San Francisco, Calif. (1), to Delta, Utah (16). Numbers behind the shotpoints refer to figures 1 and 2 (pl. 1) and table 1. Contour interval of lines of equal velocity in the crustal cross section (upper part) is 0.2 km/s. Velocity contours lower than 5 km/s were omitted. Dashed lines indicate uncertain results. Surface altitude versus depth is exaggerated 3:1, depth versus horizontal distance 2:1. At each shotpoint the depth z = 0 corresponds to the respective surface altitude above sea level. In the corresponding velocity-depth functions (lower part), the position of the velocity 4 km/s correlates with the position of the shotpoint in the crustal cross section. Increasing velocity is plotted to the left or right according to the direction of the profile (west or east).

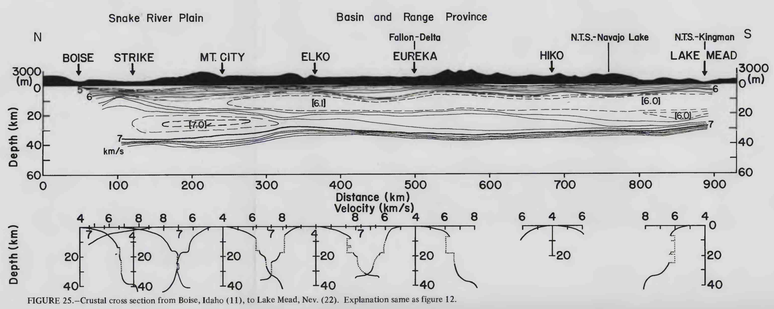

FIGURE 25.–Crustal cross section from Boise, Idaho (11), to Lake Mead, Nev. (22). Explanation same as figure 12.

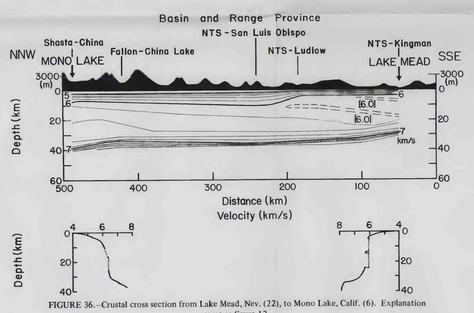

FIGURE 36.–Crustal cross section from Lake Mead, Nev. (22), to Mono Lake, Calif. (6). Explanation same as figure 12.

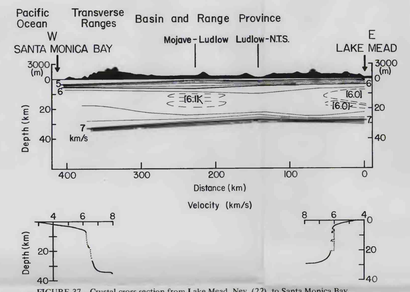

FIGURE 37.–Crustal cross section from Lake Mead, Nev. (22), to Santa Monica Bay, Calif. (4). Explanation same as figure 12.

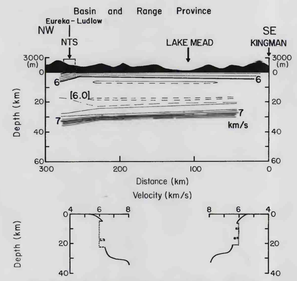

FIGURE 38.–Crustal cross section from Nevada Test Site (19) to Kingman, Ariz. (26). Explanation same as figure 12.

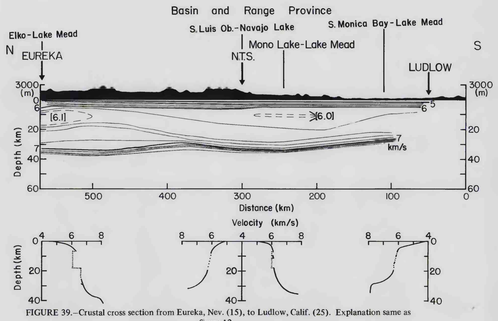

FIGURE 39.–Crustal cross section from Eureka, Nev. (15), to Ludlow, Calif. (25). Explanation same as figure 12.

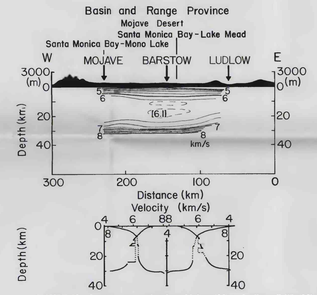

FIGURE 40.–Crustal cross section from Mojave (23) to Ludlow, Calif. (25). Explanation same as figure 12.

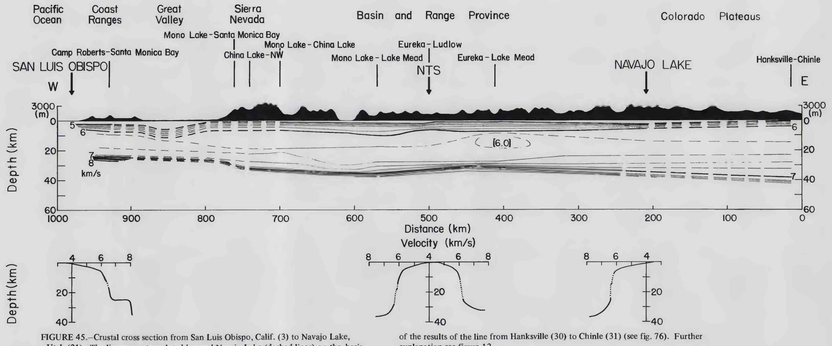

FIGURE 45.–Crustal cross section from San Luis Obispo, Calif. (3) to Navajo Lake, Utah (21). The line was extrapolated beyond Navajo Lake (dashed lines) on the basis of the results of the line from Hanksville (30) to Chinle (31) (see fig. 76). Further explanation see figure 12.

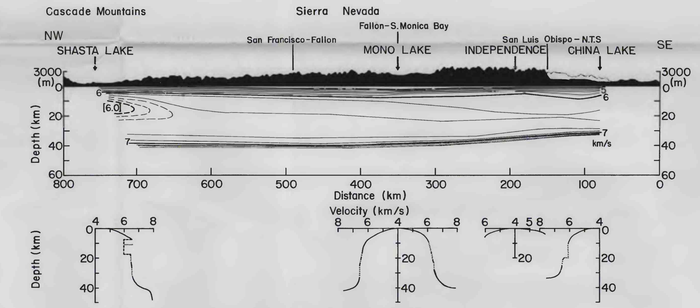

FIGURE 50.–Crustal cross section from Shasta Lake (5) to China Lake, Calif. (8). Explanation same as figure 12.

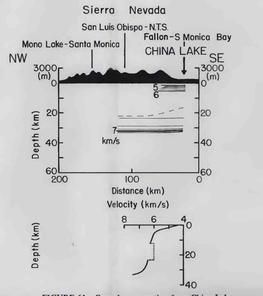

FIGURE 61.–Crustal cross section from China Lake, Calif. (8), toward northwest. Explanation same as figure 12.

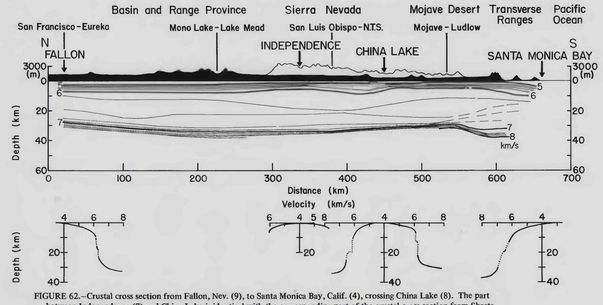

FIGURE 62.–Crustal cross section from Fallon, Nev. (9), to Santa Monica Bay, Calif. (4), crossing China Lake (8). The part between Independence (7) and China Lake is identical with the corresponding part of the crustal cross section from Shasta Lake (5) to China Lake (fig. 50). Further explanations on figure 12.

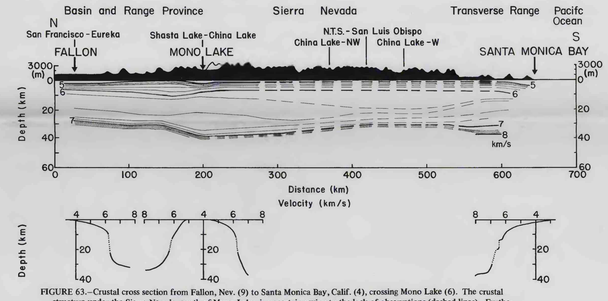

FIGURE 63.–Crustal cross section from Fallon, Nev. (9) to Santa Monica Bay, Calif. (4), crossing Mono Lake (6). The crustal structure under the Sierra Nevada, south of Mono Lake, is uncertain owing to the lack of observations (dashed lines). Further explanations in figure 12.

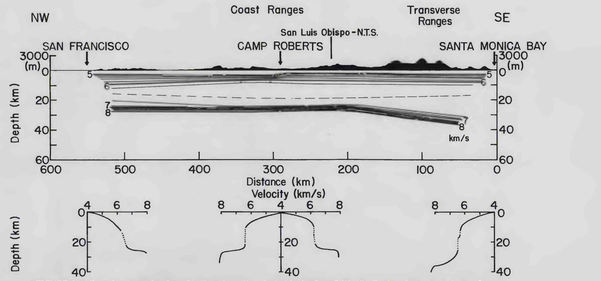

FIGURE 68.–Crustal cross section from San Francisco (1) to Santa Monica Bay, Calif. (4). Explanation same as figure 12.

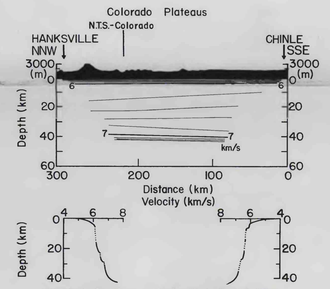

FIGURE 76.–Crustal cross section from Hanksville, Utah (30) to Chinle, Ariz. (31). Explanation same as figure 12.

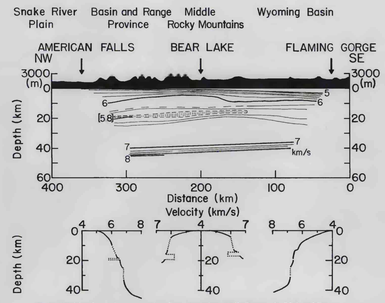

FIGURE 81.–Crustal cross section from American Falls Reservoir, Idaho (27), to Flaming Gorge Reservoir, Utah (29). Short dotted lines between 15 and 20 km depth between the velocity lines 6.4 and 6.6 km/s indicate the approximate boundaries of a low-velocity zone (shaded) in which the velocity decreases to 5.8 km/s. Further explanations see figure 12.

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CRUSTAL CROSS SECTIONS