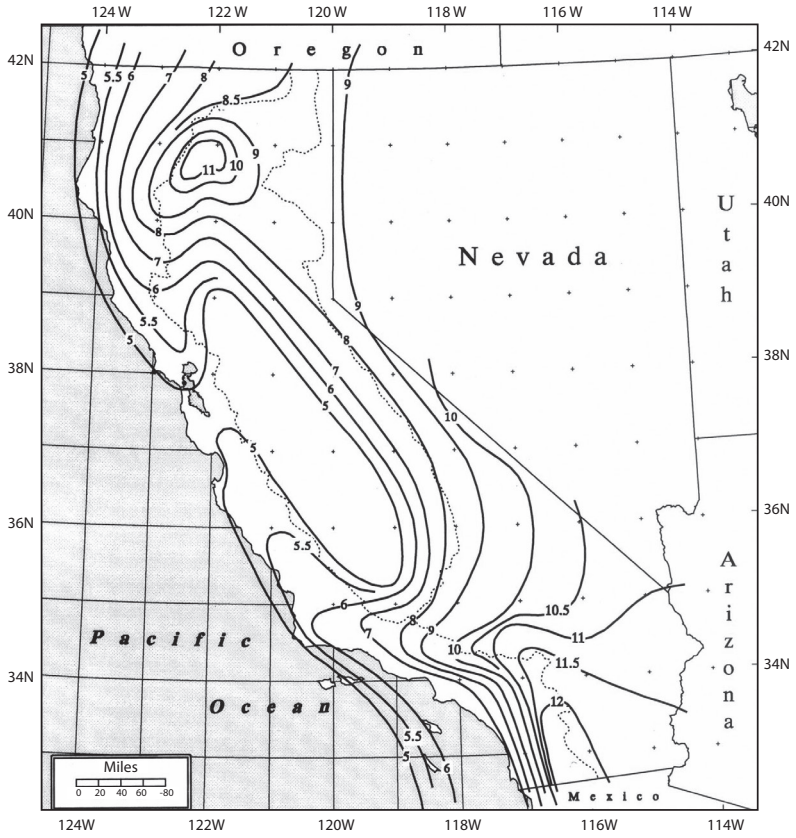

Figure 5.52. Isoline map of PMP for California for local storms with 1-hour duration and storm area of 2.6 km^2

map of the watershed correction types for California. Values in the figure are the ratios of 6-hour PMP to 1-hour PMP. As for specific operations, the correction type of the watershed is first identified from Figure 5.55, and then the coefficients of correction for durations of 1 hour to 6 hours for corresponding types of watershed are obtained from Figure 5.54.

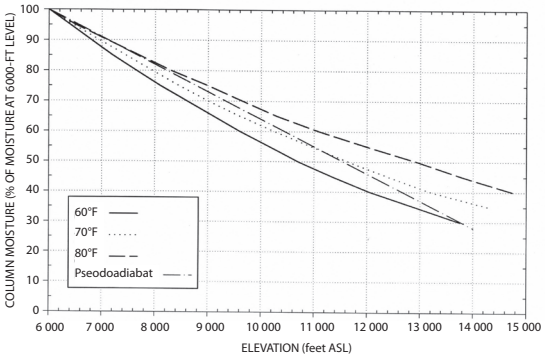

Figure 5.53. Corrected percentage of moisture content in air columns for different watershed elevations

It can be seen from Figure 5.54 that the Wash watershed requires C-type correction. The coefficients of correction for different durations for the C type are found in Figure 5.54. These are multiplied by PMP with correction to the mean watershed elevation in (b) (there is no correction as per (b) in this example, so the results in (a) are employed directly) to obtain PMP for each duration for a storm area of 2.6 km^2 for the Wash watershed (see Table 5.18).

(d) Correction for watershed area size is performed using figures available for the coefficients of area reduction (area size < 1 295 km^2) for corrections of types A, B, C and D. Figure 5.56 presents the coefficients of area reduction corresponding to corrections of type C.

The coefficient of area reduction for a storm area of 432 km^2 converted from 2.6 km^2 is obtained from Figure 5.56 (in fact, the coefficient is unrelated to the watershed area size and is related only to the ratio of 6-hour PMP to 1-hour PMP). The PMP for the corresponding duration in (c) is multiplied by the coefficient to get the PMP with correction for watershed area size (see Table 5.19).