

	<i>Page</i>
Figure 5.71	Boundaries between PMP methods and zones – GTSMR135
Figure 5.72	Seventy-two-hour 50-year rainfall intensities over central NSW coast. Isopleths in mm/hour.....136
Figure 5.73	Convergence component of 72-hour 50-year rainfall intensities over central NSW coast. Isopleths are in mm/hour.137
Figure 5.74	Extreme monthly 24-hour persisting dew-point temperature for Brisbane and the standard extreme persisting dew-point temperatures for the GSAM seasons138
Figure 5.75	Extreme monthly 24-hour persisting dew-point temperatures for Broome and the standard extreme persisting dew-point temperatures for the GTSMR seasons139
Figure 5.76	The distribution of amplitude factors defining the degree of mechanism decay expected over the GTSMR zone139
Figure 5.77	An example of the enveloping process for a set of storms (A–F) defined by depth-area curves of their convergence component.....140
Figure 5.78	Enveloping process to define PMP depth across a range of durations for a specific catchment area143
Figure 5.79	Example of a GSAM design spatial distribution.....143
Figure 5.80	Twenty-four-hour point PMP in China (mm; Wang J., 2002)146
Figure 6.1	Comparison (Miller, 1981) of observed and estimated precipitable water for Merida, Mexico for layer from surface to 500 hPa; observed values computer from radiosonde observations using data by 500-hPa layers; estimated values determined using surface dewpoint at time of radiosonde observations and assuming a saturated pseudo-adiabatic lapse rate.....151
Figure 6.2	Comparison (Miller, 1981) of maximum semi-monthly precipitable water computer from radiosonde observations and that estimates from the surface dewpoint at the time of observation for Merida, Mexico; the period of record is January 1946 to December 1947 and October 1957 and December 1972151
Figure 6.3	Extreme events related to tropical storms (Schwarz, 1972)153
Figure 6.4	Rain intensification for ground slopes (Schwarz, 1963).....155
Figure 6.5	Adjustment of non-orographic PMP for elevation and slope, Hawaiian Islands (Schwarz, 1963)156
Figure 6.6	Variation of index PMP with basin size and duration, Hawaiian Islands (Schwarz, 1963)156
Figure 6.7	Mekong River basin and sub-basins (United States Weather Bureau, 1970)157
Figure 6.8	Generalized topography of Mekong River basin; dots show location of precipitation stations (United States Weather Bureau, 1970).....158
Figure 6.9	Mean May–September (south-west monsoon season) precipitation (mm; United States Weather Bureau, 1970).....159
Figure 6.10	Depth–area–duration curves of PMP on Viet Nam coast (United States Weather Bureau, 1970)160
Figure 6.11	Adjustment (percentage) of coastal typhoon rainfall for distance inland (United States Weather Bureau, 1970)161
Figure 6.12	Latitude adjustment of typhoon rainfall as percentage of values at 15° N (United States Weather Bureau, 1970)161
Figure 6.13	Barrier adjustment of typhoon rainfall (percentage decrease; United States Weather Bureau, 1970)162
Figure 6.14	Adjustment of typhoon rainfall (United States Weather Bureau, 1970) for basin topography (percentage increase or decrease relative to low-elevation south-west monsoon rainfall over flat terrain)163
Figure 6.15	Total adjustment (percentage) of coastal typhoon rainfall (combined adjustments of Figure 6.11 to 6.14; United States Weather Bureau, 1970).....164
Figure 6.16	PMP (mm) for 24 hours over 5 000 km ² (United States Weather Bureau, 1970)165
Figure 6.17	Depth–area–duration values of PMP in per cent of 24-hour 5 000 km ² PMP (United States Weather Bureau, 1970)165
Figure 6.18	PMP (solid lines) and key depth–area curves typical of major tropical storms (United States Weather Bureau, 1970)166
Figure 6.19	Isohyetal values for maximum 6-hour increment of PMP storm as percentage of average rainfall for area enclosed (United States Weather Bureau, 1970)166