

	<i>Page</i>
5.3.2.5	Adjustment for moisture and latitudinal gradient94
5.3.2.6	Six-hour 2.6 km ² PMP index map.....94
5.3.2.7	Time distribution of rainfall95
5.3.2.8	PMP for specific basins96
5.3.3	PMP for drainages from 259 km ² to 7 770 km ² in the Tennessee River basin96
5.3.3.1	Derivation of non-orographic PMP.....96
5.3.3.2	Terrain and orographic influences on PMP97
5.3.3.3	Terrain stimulation adjustment.....98
5.3.3.4	Adjustment for PMP at interface (259 km ²)99
5.3.3.5	Areal and time distribution.....100
5.3.3.6	PMP for specific basins100
5.3.4	PMP estimates for the United States between the Continental Divide and the 103rd meridian.....102
5.3.4.1	Storm separation method103
5.3.4.2	Orographic factor <i>T/C</i>104
5.3.4.3	Storm intensity factor <i>M</i>105
5.3.4.4	Computation of PMP105
5.3.4.5	Depth–area relations106
5.3.5	PMP estimates for the Colorado River and Great Basin drainages of the south-western United States107
5.3.5.1	Orographic precipitation index107
5.3.5.2	Variation with basin size108
5.3.5.3	Durational variation109
5.3.5.4	Combination of orographic and convergence PMP109
5.3.6	PMP estimate for drainage above Dewey Dam, Johns Creek, Kentucky110
5.3.6.1	Orographic factor <i>T/C</i>110
5.3.6.2	Storm intensity factor <i>M</i>111
5.3.6.3	Computation of PMP for Johns Creek basin.....111
5.3.7	Generalized estimation of PMP for local storms in the Pacific North-west region of the United States111
5.3.7.1	Brief introduction.....111
5.3.7.2	Moisture maximization112
5.3.7.3	Elevation adjustment and horizontal transposition adjustment112
5.3.7.4	PMP precipitation depth–duration relation.....112
5.3.7.5	PMP precipitation depth–area relation113
5.3.7.6	One-hour 2.6 km ² PMP map of the North-west region.....113
5.3.7.7	Estimating procedure of local storm PMP for specific basin114
5.3.7.8	Example of local-storm PMP estimation115
5.3.8	PMP estimation in California, United States116
5.3.8.1	Profile116
5.3.8.2	Procedure and example computation of estimating PMP with the general storm method117
5.3.8.3	Procedure and example computation of estimating PMP with the local storm method.....120
5.3.9	Topographic adjustment.....125
5.4	ESTIMATION OF PMP FOR SHORT DURATIONS AND SMALL AREAS IN AUSTRALIA126
5.4.1	Introduction126
5.4.2	Comparison of record storms in Australia and the United States126
5.4.3	Use of GSDM depth–area–duration data.....127
5.4.3.1	Geographic variation127
5.4.3.2	Distribution of PMP in time.....127
5.4.3.3	Distribution of PMP in space128
5.4.3.4	Seasonal variation131
5.4.4	Steps to calculate short-duration small-area PMP131
5.5	ESTIMATION OF PMP FOR LONGER-DURATION STORMS IN AUSTRALIA132
5.5.1	Introduction132
5.5.2	Establishment of the storm database.....132