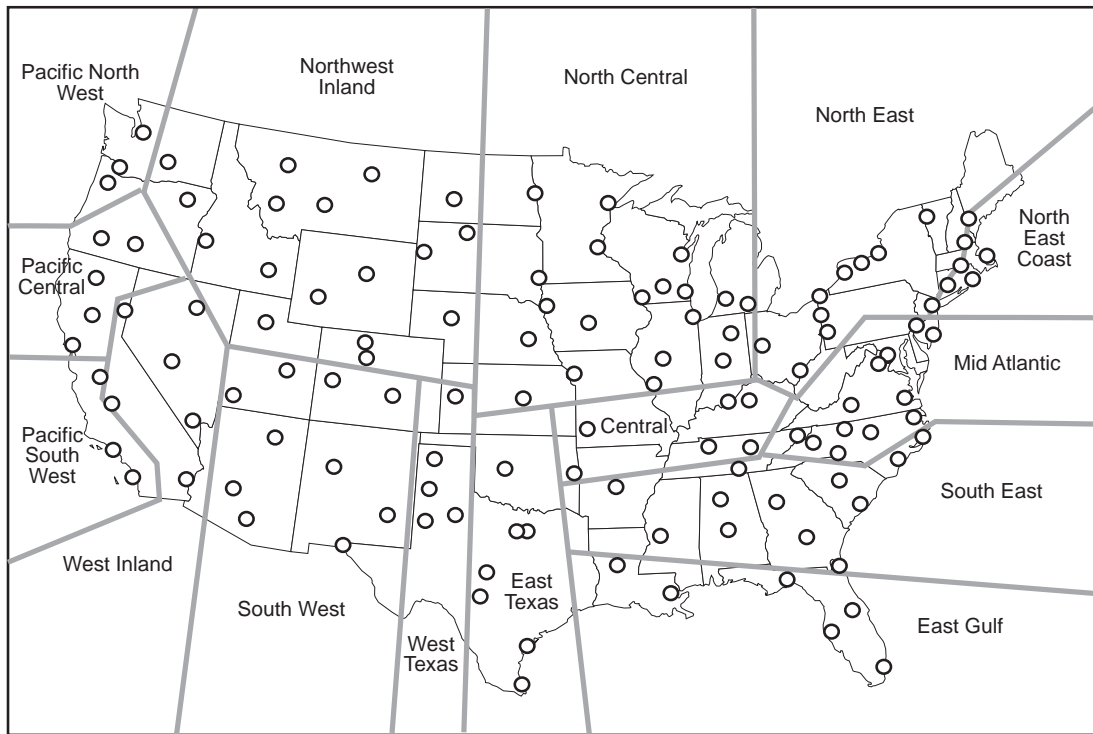

APPENDIX U

RAIN ZONES OF THE UNITED STATES

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Figure U-1

Rain Zones of the United States



461B-14

Table U-1

Typical Values of Annual Storm Event Statistics for Rain Zones

| Rain Zone | Annual Statistics | | | | Independent Storm Event Statistics | | | | | | | |
|--------------------|-------------------|------|--------|------|------------------------------------|------|-----------|------|--------|------|-------|------|
| | No. of Storms | | Precip | | Duration | | Intensity | | Volume | | DELTA | |
| | Avg | COV | Avg | COV | Avg | COV | Avg | COV | Avg | COV | Avg | COV |
| | | | (in) | | (hrs) | | (in/hr) | | (in) | | (hr) | |
| North East | 70 | 0.13 | 34.6 | 0.18 | 11.2 | 0.81 | 0.067 | 1.23 | 0.5 | 0.95 | 126 | 0.94 |
| North East-Coastal | 63 | 0.12 | 41.4 | 0.21 | 11.7 | 0.77 | 0.071 | 1.05 | 0.6 | 1.03 | 140 | 0.87 |
| Midatlantic | 62 | 0.13 | 39.5 | 0.18 | 10.1 | 0.84 | 0.082 | 1.20 | 0.6 | 1.01 | 143 | 0.97 |
| Central | 66 | 0.14 | 41.9 | 0.19 | 9.2 | 0.85 | 0.097 | 1.09 | 0.6 | 1.00 | 133 | 0.99 |
| North Central | 55 | 0.16 | 29.8 | 0.22 | 9.5 | 0.83 | 0.067 | 1.20 | 0.5 | 1.01 | 167 | 1.17 |
| Southeast | 65 | 0.15 | 49.0 | 0.20 | 8.7 | 0.92 | 0.122 | 1.09 | 0.7 | 1.10 | 136 | 1.03 |
| East Gulf | 68 | 0.17 | 53.7 | 0.23 | 6.4 | 1.05 | 0.176 | 1.03 | 0.8 | 1.19 | 130 | 1.25 |
| East Texas | 41 | 0.22 | 31.2 | 0.29 | 8.0 | 0.97 | 0.137 | 1.08 | 0.7 | 1.16 | 213 | 1.26 |
| West Texas | 30 | 0.27 | 17.3 | 0.33 | 7.4 | 0.98 | 0.121 | 1.13 | 0.5 | 1.07 | 302 | 1.53 |
| Southwest | 20 | 0.30 | 7.4 | 0.37 | 7.6 | 0.88 | 0.079 | 1.16 | 0.3 | 0.88 | 473 | 1.46 |
| West Inland | 14 | 0.38 | 4.9 | 0.43 | 9.4 | 0.75 | 0.055 | 1.06 | 0.3 | 0.87 | 766 | 1.54 |
| Pacific South | 19 | 0.36 | 10.2 | 0.42 | 11.6 | 0.76 | 0.054 | 0.76 | 0.5 | 0.96 | 476 | 2.09 |
| Northwest Inland | 31 | 0.23 | 11.5 | 0.29 | 10.4 | 0.82 | 0.057 | 1.20 | 0.3 | 0.83 | 304 | 1.43 |
| Pacific Central | 32 | 0.25 | 18.4 | 0.33 | 13.7 | 0.80 | 0.048 | 0.85 | 0.5 | 1.05 | 265 | 2.00 |
| Pacific Northwest | 71 | 0.15 | 56.7 | 0.19 | 15.9 | 0.80 | 0.035 | 0.73 | 0.5 | 1.09 | 123 | 1.50 |

COV - Coefficient of Variation - Standard Deviation / Mean

DELTA - Interval between storm midpoints

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