



06 - Rainfall Intensity Charts for Perth

Rainfall Intensity (mm/h) for Perth

DURATION	Average Storm Recurrence Interval (years)							
	1	2	5	10	20	50	100	500
5m	59.35	78.17	102.62	119.02	142.65	177.59	207.44	290.89
6	55.19	72.60	95.01	110.00	131.62	163.54	190.77	266.70
7	51.74	67.99	88.74	102.57	122.56	152.02	177.10	246.93
8	48.82	64.08	83.44	96.31	114.92	142.32	165.62	230.37
9	46.30	60.72	78.88	90.92	108.37	134.01	155.79	216.21
10	44.09	57.77	74.90	86.23	102.66	126.78	147.25	203.94
11	42.13	55.16	71.38	82.08	97.63	120.42	139.74	193.17
12	40.38	52.83	68.24	78.39	93.15	114.76	133.07	183.63
13	38.81	50.73	65.42	75.08	89.13	109.70	127.10	175.09
14	37.38	48.83	62.87	72.08	85.50	105.13	121.71	167.41
15	36.07	47.10	60.55	69.36	82.21	100.97	116.82	160.45
16	34.88	45.51	58.42	66.87	79.19	97.18	112.37	154.11
17	33.77	44.04	56.47	64.58	76.43	93.71	108.28	148.31
18	32.75	42.69	54.66	62.46	73.87	90.50	104.52	142.97
20	30.93	40.26	51.43	58.69	69.32	84.79	97.81	133.48
25	27.27	35.43	45.02	51.21	60.32	73.53	84.62	114.87
30	24.52	31.80	40.22	45.63	53.62	65.17	74.85	101.16
35	22.36	28.95	36.47	41.28	48.41	58.70	67.29	90.59
40	20.61	26.64	33.45	37.79	44.23	53.51	61.25	82.18
45	19.15	24.73	30.96	34.90	40.79	49.25	56.29	75.30
50	17.93	23.11	28.86	32.48	37.90	45.68	52.15	69.56
55	16.87	21.73	27.06	30.42	35.44	42.65	48.63	64.70
60	15.96	20.53	25.51	28.63	33.32	40.03	45.60	60.53
75	13.85	17.80	22.06	24.72	28.73	34.47	39.21	51.92
90	12.32	15.82	19.56	21.89	25.42	30.45	34.60	45.73
2.0h	10.21	13.09	16.14	18.03	20.89	24.97	28.34	37.32
3.0	7.82	10.00	12.27	13.67	15.80	18.82	21.32	27.94
4.0	6.46	8.25	10.09	11.22	12.94	15.39	17.40	22.73
5.0	5.57	7.11	8.67	9.62	11.09	13.16	14.87	19.37
6.0	4.94	6.30	7.66	8.49	9.78	11.59	13.07	17.00
8.0	4.09	5.20	6.31	6.98	8.02	9.48	10.68	13.84
10.0	3.53	4.49	5.43	5.99	6.87	8.12	9.13	11.80
12.0	3.13	3.98	4.80	5.29	6.06	7.15	8.04	10.36
14.0	2.83	3.60	4.36	4.82	5.53	6.54	7.36	9.52
16.0	2.59	3.30	4.01	4.44	5.11	6.05	6.82	8.85
18.0	2.40	3.06	3.72	4.13	4.76	5.64	6.37	8.29
20.0	2.24	2.86	3.49	3.87	4.46	5.30	5.99	7.82
22.0	2.10	2.68	3.28	3.65	4.21	5.01	5.67	7.41
24.0	1.98	2.53	3.11	3.46	4.00	4.76	5.39	7.06
36.0	1.50	1.93	2.39	2.67	3.10	3.72	4.23	5.59
48.0	1.22	1.57	1.96	2.21	2.57	3.10	3.53	4.71
60.0	1.03	1.33	1.67	1.89	2.21	2.67	3.05	4.09
72.0	0.89	1.16	1.46	1.65	1.94	2.35	2.69	3.62

Note: Caution should be applied to intensities with an ARI>100 years, due to the possible shortness of rainfall records. Refer to Section 2.6 Volume 1 of AR&R, 1997 for more information.