



Location

**Label:** Not provided

**Latitude:** -33.8774 [Nearest grid cell: 33.8875 (S)]

**Longitude:** 151.093 [Nearest grid cell: 151.0875 (E)]

Very Frequent Design Rainfall Depth (mm)

Issued: 08 April 2024

Rainfall depth for Durations, Exceedance per Year (EY), and Annual Exceedance Probabilities (AEP).  
[FAQ for New ARR probability terminology](#)

	Exceedance per Year (EY)							
Duration	12EY	6EY	4EY	3EY	2EY	1EY	0.5EY#	0.2EY*
1 min	0.999	1.13	1.37	1.55	1.80	2.28	2.79	3.31
2 min	1.77	2.00	2.39	2.67	3.07	3.77	4.55	5.25
3 min	2.41	2.73	3.29	3.68	4.25	5.23	6.34	7.35
4 min	2.96	3.36	4.07	4.58	5.30	6.56	7.98	9.33
5 min	3.43	3.91	4.76	5.37	6.23	7.75	9.46	11.1
10 min	5.15	5.91	7.28	8.27	9.70	12.2	15.1	18.0
15 min	6.29	7.25	8.96	10.2	12.0	15.3	18.8	22.5
20 min	7.16	8.26	10.2	11.7	13.7	17.5	21.5	25.7
25 min	7.86	9.07	11.2	12.8	15.1	19.3	23.7	28.3
30 min	8.46	9.76	12.1	13.8	16.3	20.8	25.5	30.3
45 min	9.86	11.4	14.1	16.1	19.0	24.3	29.7	35.0
1 hour	10.9	12.6	15.6	17.8	21.0	27.0	32.8	38.5
1.5 hour	12.6	14.5	18.0	20.5	24.2	31.0	37.6	43.9
2 hour	13.9	16.0	19.8	22.6	26.8	34.3	41.6	48.4
3 hour	16.0	18.5	22.9	26.2	31.0	39.8	48.1	56.2
4.5 hour	18.4	21.3	26.5	30.4	36.0	46.4	56.3	66.2
6 hour	20.4	23.7	29.5	33.9	40.3	52.0	63.4	75.2
9 hour	23.6	27.5	34.5	39.7	47.4	61.5	75.5	91.0
12 hour	26.1	30.5	38.5	44.5	53.3	69.5	85.8	105
18 hour	30.0	35.3	45.0	52.1	62.8	82.5	103	128
24 hour	33.0	39.1	50.0	58.1	70.3	92.8	117	148
30 hour	35.4	42.0	54.0	63.0	76.4	101	128	164
36 hour	37.3	44.5	57.4	67.1	81.6	109	138	177
48 hour	40.3	48.3	62.7	73.6	89.8	120	153	199
72 hour	44.0	53.2	69.8	82.3	101	136	174	227
96 hour	45.9	55.9	74.1	87.7	108	146	187	244
120 hour	46.9	57.6	76.9	91.4	113	153	195	254

144 hour	47.4	58.4	78.8	93.9	116	158	201	259
168 hour	47.5	58.9	80.1	95.8	119	162	205	263

Note:  
# The 0.5 EY design rainfall corresponds to the 2 year Average Recurrence Interval (ARI) IFD **not** the 50% AEP IFD.  
\* The 0.2 EY design rainfall corresponds to the 5 year Average Recurrence Interval (ARI) IFD **not** the 20% AEP IFD.

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