

Table 1.49 Future Climate IDF Curves for Mary's Harbour A (8502591) – 2011-2040
Time Horizon

Minimum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	2.7	3.7	4.2	4.6	4.8	5.3	5.7
10-min	3.8	4.8	5.3	5.8	6.0	6.5	7.0
15-min	4.5	5.7	6.3	6.8	7.0	7.6	8.2
30-min	6.5	7.9	8.6	9.3	9.5	10.2	10.8
1-hr	9.1	10.7	11.5	12.2	12.5	13.2	13.9
2-hr	13.4	16.2	17.7	19.1	19.6	21.0	22.3
6-hr	23.7	29.5	32.7	35.8	36.7	39.7	42.7
12-hr	32.7	42.6	48.0	53.1	54.7	59.7	64.7
24-hr	39.9	51.9	58.2	64.3	66.3	72.3	78.2
Median Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	3.2	4.3	5.1	5.8	6.0	6.8	7.5
10-min	4.3	5.5	6.3	7.1	7.4	8.2	8.9
15-min	5.1	6.4	7.4	8.3	8.6	9.4	10.3
30-min	7.2	8.8	9.9	10.9	11.3	12.3	13.3
1-hr	9.9	11.7	12.9	14.1	14.5	15.6	16.7
2-hr	14.8	18.1	20.3	22.4	23.1	25.2	27.2
6-hr	26.4	33.2	37.7	42.2	43.6	48.1	52.2
12-hr	37.3	49.0	56.8	64.5	67.0	74.6	81.7
24-hr	45.7	60.0	69.5	78.9	81.9	91.2	99.9
Maximum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	3.9	5.2	6.2	7.0	7.3	8.2	9.0
10-min	5.0	6.5	7.5	8.4	8.7	9.7	10.6
15-min	5.9	7.6	8.7	9.8	10.1	11.1	12.2
30-min	8.2	10.1	11.5	12.7	13.1	14.3	15.6
1-hr	10.9	13.1	14.6	16.0	16.5	17.8	19.2
2-hr	16.7	20.7	23.4	25.9	26.7	29.2	31.7
6-hr	30.1	38.5	44.0	49.3	50.9	56.1	61.2
12-hr	43.8	58.2	67.8	76.9	79.9	88.8	97.7
24-hr	53.8	71.5	83.3	94.5	98.1	109.1	120.1

Table 1.50 Future Climate IDF Curves for Mary's Harbour A (8502591) – 2041-2070
Time Horizon

Minimum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	3.1	3.7	4.1	4.5	4.6	5.0	5.3
10-min	4.2	4.8	5.2	5.7	5.8	6.2	6.6
15-min	5.0	5.7	6.2	6.6	6.8	7.2	7.7
30-min	7.1	7.9	8.5	9.0	9.2	9.7	10.3
1-hr	9.7	10.7	11.3	11.9	12.1	12.8	13.4
2-hr	14.5	16.3	17.5	18.6	19.0	20.1	21.3
6-hr	25.7	29.7	32.4	34.9	35.7	38.2	40.6
12-hr	36.3	42.9	47.4	51.6	52.9	57.1	61.2
24-hr	44.4	52.2	57.3	62.3	63.9	68.7	73.5
Median Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	3.5	4.8	5.6	6.4	6.6	7.4	8.1
10-min	4.6	6.0	6.9	7.7	8.0	8.8	9.5
15-min	5.5	7.0	8.0	9.0	9.3	10.2	11.0
30-min	7.7	9.5	10.6	11.8	12.1	13.2	14.2
1-hr	10.4	12.4	13.7	15.0	15.4	16.5	17.6
2-hr	15.7	19.4	21.7	24.1	24.8	26.9	28.9
6-hr	28.3	35.9	40.7	45.5	47.1	51.5	55.9
12-hr	40.6	53.8	62.0	70.4	73.1	80.7	88.3
24-hr	49.7	65.9	76.0	86.3	89.6	98.9	108.2
Maximum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	4.4	6.0	7.0	8.0	8.4	9.3	10.2
10-min	5.6	7.3	8.4	9.5	9.9	10.9	11.8
15-min	6.6	8.5	9.7	11.0	11.3	12.5	13.6
30-min	8.9	11.2	12.7	14.1	14.6	16.0	17.2
1-hr	11.8	14.3	16.0	17.6	18.1	19.7	21.1
2-hr	18.2	22.8	25.9	28.8	29.7	32.5	35.1
6-hr	33.1	42.7	49.0	55.1	57.0	62.9	68.8
12-hr	49.1	65.6	76.6	87.1	90.5	100.8	111.0
24-hr	60.3	80.7	94.3	107.3	111.4	124.1	136.7

**Table 1.51 Future Climate IDF Curves for Mary's Harbour A (8502591) – 2071-2100
Time Horizon**

Minimum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	3.1	3.9	4.4	4.9	5.0	5.5	5.9
10-min	4.2	5.0	5.6	6.1	6.2	6.7	7.2
15-min	5.0	5.9	6.5	7.1	7.3	7.9	8.3
30-min	7.1	8.2	8.9	9.6	9.8	10.5	11.1
1-hr	9.8	11.0	11.8	12.6	12.8	13.5	14.2
2-hr	14.6	16.8	18.3	19.7	20.2	21.5	22.7
6-hr	26.0	30.8	33.9	37.0	37.9	40.9	43.6
12-hr	36.7	44.8	50.1	55.3	56.9	61.9	66.7
24-hr	45.0	54.6	61.0	67.1	69.0	75.0	80.6
Median Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	3.7	4.9	5.6	6.3	6.5	7.2	7.9
10-min	4.9	6.1	6.9	7.6	7.8	8.6	9.4
15-min	5.7	7.1	8.0	8.8	9.1	9.9	10.8
30-min	8.0	9.6	10.6	11.6	11.9	12.9	13.9
1-hr	10.7	12.5	13.7	14.8	15.1	16.3	17.4
2-hr	16.3	19.6	21.7	23.7	24.3	26.4	28.5
6-hr	29.4	36.2	40.7	45.0	46.3	50.4	54.7
12-hr	42.6	54.7	62.7	69.7	72.0	79.1	86.6
24-hr	52.2	66.6	76.0	85.1	87.8	96.4	105.4
Maximum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	4.4	6.3	7.6	8.9	9.3	10.5	11.7
10-min	5.6	7.7	9.1	10.4	10.9	12.2	13.5
15-min	6.6	8.9	10.5	12.0	12.5	14.0	15.4
30-min	8.9	11.7	13.6	15.3	15.9	17.7	19.4
1-hr	11.8	14.8	16.9	18.9	19.6	21.5	23.5
2-hr	18.2	23.8	27.6	31.2	32.4	35.9	39.5
6-hr	33.2	44.6	52.4	59.9	62.2	69.5	76.8
12-hr	49.1	68.9	82.5	95.4	99.5	112.2	124.8
24-hr	60.3	84.9	101.6	117.7	122.8	138.5	154.1