

Table 1.10 Future Climate IDF Curves for Daniels Harbour (8401400) – 2011-2040
Time Horizon

Minimum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	3.7	5.6	6.7	7.8	8.1	9.1	10.1
10-min	5.6	7.8	9.2	10.4	10.8	12.0	13.2
15-min	6.7	9.1	10.6	12.0	12.4	13.8	15.1
30-min	8.9	12.0	14.0	15.8	16.3	18.1	19.8
1-hr	13.0	17.2	19.9	22.3	23.1	25.5	27.8
2-hr	18.6	23.1	26.0	28.6	29.4	31.9	34.4
6-hr	30.0	37.5	42.4	46.9	48.3	52.6	57.0
12-hr	40.9	50.1	55.9	61.3	63.0	68.3	73.5
24-hr	54.0	68.5	77.6	86.0	88.6	96.9	105.0
Median Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	4.9	7.3	8.9	10.4	10.9	12.3	13.7
10-min	7.0	9.9	11.8	13.6	14.2	15.8	17.5
15-min	8.2	11.4	13.5	15.5	16.1	17.9	19.7
30-min	10.8	15.0	17.8	20.3	21.1	23.5	25.9
1-hr	15.7	21.3	25.0	28.5	29.5	32.8	36.0
2-hr	21.3	27.5	31.5	35.2	36.3	39.8	43.2
6-hr	32.9	42.8	49.1	55.2	57.1	63.1	68.8
12-hr	44.8	57.4	65.5	73.2	75.7	83.0	90.3
24-hr	60.3	80.0	92.7	104.8	108.6	120.0	131.3
Maximum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	6.4	9.6	11.8	13.9	14.6	16.6	18.6
10-min	8.7	12.7	15.3	17.8	18.6	21.0	23.5
15-min	10.1	14.4	17.3	20.0	20.9	23.5	26.2
30-min	13.4	19.0	22.7	26.2	27.4	30.9	34.3
1-hr	19.1	26.7	31.7	36.5	38.0	42.8	47.4
2-hr	25.1	33.2	38.6	43.7	45.4	50.4	55.4
6-hr	37.0	50.0	58.6	66.9	69.5	77.6	85.6
12-hr	50.4	67.4	78.7	89.5	93.0	103.6	114.1
24-hr	69.3	96.0	113.6	130.5	135.9	152.4	168.8

Table 1.11 Future Climate IDF Curves for Daniels Harbour (8401400) – 2041-2070
Time Horizon

Minimum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	4.1	6.1	7.4	8.6	9.0	10.2	11.4
10-min	6.1	8.4	10.0	11.4	11.9	13.4	14.8
15-min	7.3	9.8	11.5	13.1	13.6	15.2	16.8
30-min	9.6	12.9	15.1	17.2	17.9	20.0	22.0
1-hr	14.0	18.5	21.5	24.3	25.2	28.0	30.8
2-hr	19.6	24.4	27.6	30.7	31.7	34.7	37.6
6-hr	31.1	39.0	44.3	49.3	50.9	55.8	60.7
12-hr	42.3	52.2	58.7	64.9	66.9	73.0	79.0
24-hr	56.4	71.7	81.9	91.7	94.8	104.3	113.8
Median Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	5.7	8.3	9.9	11.5	12.1	13.6	15.0
10-min	7.9	11.0	13.0	15.0	15.6	17.4	19.2
15-min	9.3	12.7	14.9	16.9	17.6	19.6	21.5
30-min	12.2	16.7	19.5	22.2	23.1	25.7	28.2
1-hr	17.5	23.5	27.4	31.1	32.3	35.8	39.2
2-hr	23.4	29.8	34.0	37.9	39.2	42.9	46.6
6-hr	35.2	45.8	52.7	59.3	61.4	67.8	74.2
12-hr	47.9	61.6	70.4	78.8	81.5	89.7	97.9
24-hr	65.4	86.6	100.3	113.5	117.7	130.5	143.3
Maximum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	8.4	11.8	14.0	15.8	16.6	19.2	21.7
10-min	11.2	15.3	17.9	20.1	21.1	24.3	27.4
15-min	12.8	17.3	20.2	22.5	23.6	27.1	30.5
30-min	16.9	22.7	26.5	29.5	31.0	35.5	40.0
1-hr	23.8	31.7	36.8	41.0	42.9	49.0	55.1
2-hr	30.1	38.6	44.0	48.5	50.6	57.1	63.6
6-hr	42.3	57.5	67.5	77.1	80.2	89.6	98.9
12-hr	57.7	77.7	90.9	103.6	107.6	120.0	132.3
24-hr	81.1	112.1	132.7	152.4	158.6	177.9	197.0

Table 1.12 Future Climate IDF Curves for Daniels Harbour (8401400) – 2071-2100
Time Horizon

Minimum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	5.0	7.3	8.8	10.2	10.7	12.0	13.4
10-min	7.1	9.9	11.6	13.4	13.9	15.6	17.2
15-min	8.4	11.4	13.3	15.2	15.8	17.6	19.4
30-min	11.1	15.0	17.5	19.9	20.7	23.1	25.5
1-hr	16.0	21.3	24.7	28.0	29.0	32.2	35.4
2-hr	21.8	27.4	31.1	34.6	35.7	39.2	42.6
6-hr	33.5	42.9	49.0	54.9	56.7	62.5	68.2
12-hr	45.6	57.4	65.1	72.5	74.8	82.0	89.2
24-hr	61.7	80.0	92.0	103.5	107.1	118.4	129.5
Median Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	5.9	8.8	10.9	12.7	13.4	15.3	17.2
10-min	8.2	11.7	14.1	16.4	17.1	19.5	21.8
15-min	9.6	13.4	16.0	18.5	19.3	21.9	24.4
30-min	12.7	17.6	21.1	24.3	25.4	28.7	32.0
1-hr	18.1	24.7	29.5	33.8	35.3	39.8	44.2
2-hr	24.1	31.2	36.2	40.9	42.4	47.2	52.0
6-hr	35.9	47.4	55.2	62.9	65.4	72.7	80.0
12-hr	49.0	63.8	74.0	84.1	87.2	96.7	106.1
24-hr	67.0	90.2	106.2	122.0	126.8	141.6	156.5
Maximum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	8.6	11.3	13.4	15.8	16.6	18.9	21.1
10-min	11.4	14.6	17.2	20.1	21.0	23.7	26.5
15-min	13.0	16.6	19.4	22.5	23.5	26.5	29.5
30-min	17.1	21.7	25.5	29.5	30.8	34.7	38.7
1-hr	24.2	30.4	35.6	41.4	43.3	49.0	54.6
2-hr	30.5	37.2	42.8	49.0	51.0	57.1	63.1
6-hr	42.7	56.2	65.2	73.9	76.7	85.9	95.4
12-hr	58.2	75.8	87.5	99.0	102.7	115.1	127.6
24-hr	82.0	109.2	127.3	145.1	151.1	170.7	190.2