

Table 1.31 Future Climate IDF Curves for St. John's A (8403506) – 2011-2040 Time Horizon

Minimum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	4.4	5.9	6.9	7.8	8.0	8.9	9.8
10-min	7.0	9.1	10.5	11.7	12.2	13.4	14.6
15-min	9.0	11.9	13.8	15.5	16.0	17.7	19.3
30-min	13.4	17.8	20.7	23.3	24.1	26.5	28.9
1-hr	19.5	26.0	30.2	34.0	35.2	38.8	42.3
2-hr	26.9	36.5	42.8	48.5	50.3	55.6	60.9
6-hr	45.7	60.5	70.1	79.0	81.8	90.1	98.3
12-hr	57.3	76.9	89.7	101.4	105.2	116.4	127.3
24-hr	68.3	88.7	102.1	114.4	118.3	130.0	141.4
Median Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	4.8	6.4	7.5	8.4	8.8	9.7	10.7
10-min	7.4	9.7	11.2	12.6	13.0	14.4	15.8
15-min	9.6	12.7	14.7	16.5	17.1	18.9	20.7
30-min	14.4	19.0	21.9	24.7	25.6	28.3	31.0
1-hr	20.9	27.7	31.9	35.9	37.2	41.2	45.1
2-hr	29.0	39.2	45.5	51.6	53.5	59.5	65.4
6-hr	48.8	64.3	74.1	83.4	86.3	95.5	104.5
12-hr	61.4	81.9	95.1	107.3	111.3	123.4	135.5
24-hr	72.5	94.1	107.8	120.7	124.8	137.5	150.2
Maximum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	5.3	7.3	8.7	10.0	10.5	11.7	13.0
10-min	8.1	11.0	12.9	14.7	15.3	17.1	18.8
15-min	10.5	14.3	16.8	19.2	20.0	22.3	24.6
30-min	15.7	21.3	25.0	28.6	29.7	33.2	36.6
1-hr	22.8	30.8	36.1	41.2	42.8	47.8	52.7
2-hr	31.9	44.1	52.2	59.9	62.3	69.9	77.4
6-hr	53.2	71.5	83.6	95.2	98.9	110.2	121.5
12-hr	67.0	91.3	107.4	122.8	127.7	142.8	157.8
24-hr	78.5	104.0	120.9	137.2	142.3	158.2	173.9

Table 1.32 Future Climate IDF Curves for St. John's A (8403506) – 2041-2070 Time Horizon

Minimum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	4.6	6.1	6.9	7.8	8.1	8.9	9.7
10-min	7.2	9.3	10.5	11.8	12.1	13.3	14.5
15-min	9.3	12.1	13.8	15.5	16.0	17.6	19.2
30-min	13.9	18.1	20.7	23.2	24.0	26.4	28.8
1-hr	20.2	26.4	30.3	33.9	35.1	38.6	42.2
2-hr	27.9	37.3	42.9	48.4	50.1	55.4	60.7
6-hr	47.1	61.6	70.4	78.8	81.5	89.8	97.9
12-hr	59.2	78.4	90.1	101.4	105.0	115.9	126.8
24-hr	70.2	90.4	102.6	114.3	118.1	129.5	140.9
Median Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	5.1	6.9	8.1	9.1	9.5	10.6	11.6
10-min	7.8	10.4	12.0	13.5	14.0	15.5	17.0
15-min	10.2	13.5	15.6	17.7	18.3	20.3	22.2
30-min	15.2	20.1	23.3	26.3	27.2	30.2	33.1
1-hr	22.1	29.2	33.8	38.1	39.4	43.7	48.0
2-hr	30.8	41.5	48.4	55.0	57.0	63.4	69.8
6-hr	51.5	67.8	78.3	88.2	91.3	101.0	110.8
12-hr	64.8	86.5	100.5	113.8	118.0	130.9	143.8
24-hr	76.1	98.9	113.6	127.5	131.9	145.5	159.0
Maximum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	5.7	8.5	10.4	12.2	12.8	14.6	16.3
10-min	8.7	12.6	15.2	17.7	18.5	20.9	23.3
15-min	11.3	16.4	19.8	23.0	24.1	27.2	30.4
30-min	16.9	24.4	29.4	34.2	35.7	40.4	45.0
1-hr	24.5	35.2	42.3	49.1	51.3	57.9	64.5
2-hr	34.5	50.9	61.7	72.1	75.4	85.6	95.7
6-hr	57.0	81.3	97.4	112.8	117.7	132.8	147.8
12-hr	72.0	104.1	125.4	145.8	152.3	172.3	192.1
24-hr	83.6	117.5	140.0	161.5	168.3	189.4	210.3

Table 1.33 Future Climate IDF Curves for St. John's A (8403506) – 2071-2100 Time Horizon

Minimum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	4.7	6.2	7.2	8.1	8.4	9.3	10.2
10-min	7.3	9.4	10.9	12.2	12.6	13.9	15.3
15-min	9.5	12.3	14.2	16.1	16.6	18.4	20.2
30-min	14.2	18.5	21.3	24.1	25.0	27.6	30.2
1-hr	20.6	26.9	31.1	35.1	36.4	40.3	43.9
2-hr	28.5	38.0	44.3	50.3	52.2	58.0	63.5
6-hr	48.1	62.7	72.3	81.5	84.5	93.5	101.9
12-hr	60.4	79.8	92.6	104.8	108.7	120.7	132.6
24-hr	71.6	91.8	105.2	118.0	122.1	134.6	147.1
Median Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	5.2	7.0	8.2	9.4	9.8	11.0	12.1
10-min	8.0	10.5	12.2	13.9	14.4	16.0	17.7
15-min	10.4	13.7	15.9	18.1	18.8	21.0	23.1
30-min	15.5	20.4	23.7	27.1	28.1	31.3	34.5
1-hr	22.5	29.5	34.4	39.2	40.7	45.3	49.9
2-hr	31.5	42.1	49.4	56.7	59.0	66.0	72.9
6-hr	52.5	68.6	79.6	90.6	94.1	104.7	115.1
12-hr	66.1	87.6	102.2	116.7	121.3	135.4	149.3
24-hr	77.5	100.0	115.4	130.7	135.5	150.4	165.0
Maximum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	5.9	8.2	9.8	11.4	11.9	13.5	15.1
10-min	8.9	12.1	14.4	16.6	17.3	19.4	21.5
15-min	11.6	15.7	18.7	21.6	22.5	25.3	28.1
30-min	17.4	23.4	27.8	32.0	33.4	37.5	41.6
1-hr	25.1	33.8	40.1	46.1	48.0	53.9	59.7
2-hr	35.4	48.7	58.2	67.4	70.3	79.3	88.2
6-hr	58.4	78.1	92.4	106.0	110.4	123.7	137.0
12-hr	73.8	100.0	118.9	137.0	142.8	160.5	178.1
24-hr	85.5	113.1	133.1	152.2	158.3	177.0	195.6