

Table 1.55 Future Climate IDF Curves for Wabush Lake A (8504175) – 2011-2040
Time Horizon

Minimum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	4.2	6.3	7.5	8.5	8.8	9.7	10.7
10-min	5.9	8.8	10.4	11.9	12.3	13.6	14.9
15-min	7.1	10.6	12.5	14.3	14.8	16.4	17.9
30-min	9.8	14.4	16.9	19.2	19.9	22.0	24.0
1-hr	11.9	17.5	20.7	23.5	24.3	26.8	29.4
2-hr	14.9	20.7	23.9	26.8	27.7	30.3	32.9
6-hr	21.5	27.3	30.6	33.7	34.6	37.4	40.2
12-hr	28.8	36.6	41.2	45.5	46.8	50.7	54.6
24-hr	35.9	45.3	50.7	55.7	57.2	61.8	66.3
Median Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	5.0	7.2	8.6	9.8	10.2	11.5	12.7
10-min	7.0	10.0	12.0	13.7	14.3	16.0	17.7
15-min	8.4	12.0	14.4	16.5	17.2	19.2	21.3
30-min	11.5	16.3	19.3	22.1	23.0	25.7	28.5
1-hr	14.1	19.9	23.6	27.1	28.1	31.5	34.8
2-hr	17.1	23.1	27.0	30.5	31.6	35.1	38.5
6-hr	23.2	29.2	33.1	36.7	37.8	41.2	44.8
12-hr	31.0	39.0	44.3	49.2	50.7	55.3	60.1
24-hr	38.6	48.2	54.4	60.2	62.0	67.6	73.3
Maximum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	6.4	9.3	11.6	13.7	14.4	16.5	18.6
10-min	9.0	13.1	16.2	19.1	20.1	23.0	25.9
15-min	10.8	15.7	19.4	23.0	24.2	27.7	31.1
30-min	14.7	21.1	26.0	30.7	32.2	36.8	41.4
1-hr	17.9	25.7	31.8	37.5	39.4	45.0	50.6
2-hr	21.1	29.2	35.4	41.3	43.2	49.1	54.8
6-hr	26.3	34.2	40.1	45.8	47.6	53.1	58.6
12-hr	35.0	45.4	53.1	60.5	62.9	70.1	77.3
24-hr	43.5	56.0	65.4	74.3	77.2	85.9	94.6

Table 1.56 Future Climate IDF Curves for Wabush Lake A (8504175) – 2041-2070
Time Horizon

Minimum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	4.0	5.5	6.5	7.5	7.8	8.7	9.7
10-min	5.6	7.7	9.1	10.5	10.9	12.2	13.5
15-min	6.7	9.2	10.9	12.6	13.1	14.7	16.3
30-min	9.2	12.6	14.8	17.0	17.6	19.7	21.8
1-hr	11.2	15.3	18.1	20.7	21.5	24.1	26.7
2-hr	14.2	18.4	21.3	24.0	24.8	27.5	30.1
6-hr	21.0	25.6	28.6	31.6	32.5	35.4	38.2
12-hr	28.0	34.5	38.8	42.9	44.2	48.2	52.2
24-hr	35.0	42.6	47.7	52.5	54.0	58.8	63.5
Median Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	5.8	7.9	9.4	10.8	11.2	12.5	13.8
10-min	8.1	11.1	13.2	15.1	15.7	17.5	19.3
15-min	9.7	13.3	15.8	18.1	18.8	21.0	23.2
30-min	13.2	17.9	21.3	24.2	25.2	28.1	30.9
1-hr	16.1	21.9	26.0	29.6	30.8	34.4	37.9
2-hr	19.2	25.2	29.4	33.2	34.4	38.0	41.7
6-hr	24.9	31.0	35.1	39.0	40.2	44.0	47.7
12-hr	33.2	41.3	46.8	52.0	53.7	58.7	63.6
24-hr	41.3	51.0	57.6	63.8	65.7	71.7	77.6
Maximum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	6.9	9.6	11.7	13.8	14.4	16.4	18.4
10-min	9.7	13.4	16.4	19.2	20.1	22.9	25.7
15-min	11.6	16.1	19.7	23.1	24.2	27.6	30.9
30-min	15.7	21.6	26.3	30.8	32.3	36.7	41.0
1-hr	19.2	26.4	32.2	37.7	39.5	44.9	50.2
2-hr	22.4	29.9	35.8	41.5	43.3	48.9	54.4
6-hr	27.3	34.8	40.6	46.1	47.8	53.2	58.5
12-hr	36.3	46.2	53.7	60.9	63.2	70.2	77.2
24-hr	45.1	57.0	66.0	74.7	77.5	86.0	94.4

Table 1.57 Future Climate IDF Curves for Wabush Lake A (8504175) – 2071-2100
Time Horizon

Minimum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	4.9	7.0	8.1	9.1	9.4	10.4	11.4
10-min	6.8	9.8	11.3	12.7	13.2	14.6	16.0
15-min	8.2	11.8	13.6	15.3	15.8	17.5	19.2
30-min	11.2	16.0	18.3	20.6	21.3	23.5	25.7
1-hr	13.6	19.5	22.4	25.1	26.0	28.7	31.4
2-hr	16.7	22.7	25.7	28.5	29.4	32.2	35.0
6-hr	22.9	28.9	32.1	35.1	36.1	39.1	42.0
12-hr	30.6	38.8	43.1	47.3	48.6	52.7	56.8
24-hr	38.0	47.8	53.0	57.9	59.4	64.2	69.0
Median Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	6.1	8.5	9.9	11.3	11.8	13.3	14.7
10-min	8.5	11.9	13.9	15.8	16.4	18.5	20.5
15-min	10.2	14.2	16.7	19.0	19.7	22.3	24.7
30-min	13.9	19.2	22.4	25.4	26.4	29.7	32.9
1-hr	16.9	23.4	27.4	31.1	32.3	36.3	40.2
2-hr	20.1	26.7	30.8	34.6	35.9	40.1	44.1
6-hr	25.6	32.2	36.5	40.5	41.7	45.6	49.7
12-hr	34.0	42.8	48.6	53.8	55.5	60.7	66.1
24-hr	42.3	52.7	59.7	66.0	68.0	74.1	80.8
Maximum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	7.8	11.2	13.5	15.7	16.4	18.5	20.6
10-min	10.9	15.7	18.9	21.9	22.9	25.8	28.8
15-min	13.1	18.8	22.7	26.3	27.5	31.1	34.6
30-min	17.6	25.2	30.2	35.0	36.5	41.2	45.9
1-hr	21.5	30.8	37.0	42.9	44.7	50.5	56.2
2-hr	24.8	34.4	40.7	46.8	48.8	54.7	60.6
6-hr	29.2	38.8	45.2	51.3	53.2	59.2	65.2
12-hr	38.7	51.2	59.5	67.5	70.0	77.8	85.5
24-hr	48.0	63.2	73.2	82.9	85.9	95.3	104.7