

Table 1.13 Future Climate IDF Curves for Deer Lake A (8401501) – 2011-2040 Time Horizon

Minimum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	3.8	5.2	6.1	7.0	7.3	8.1	9.0
10-min	5.6	7.4	8.6	9.7	10.1	11.2	12.3
15-min	6.9	8.9	10.2	11.4	11.8	13.0	14.2
30-min	10.0	12.2	13.7	15.1	15.6	17.0	18.4
1-hr	13.6	16.3	18.2	19.9	20.5	22.2	23.9
2-hr	18.9	23.1	25.8	28.4	29.3	31.8	34.4
6-hr	28.6	34.7	38.7	42.6	43.8	47.6	51.4
12-hr	38.5	45.8	50.7	55.3	56.8	61.4	65.9
24-hr	46.1	56.5	63.4	70.0	72.1	78.5	84.9
Median Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	4.7	6.7	8.0	9.2	9.6	10.9	12.1
10-min	6.7	9.3	11.0	12.6	13.1	14.7	16.3
15-min	8.1	10.9	12.7	14.4	15.0	16.7	18.4
30-min	11.3	14.4	16.4	18.2	18.9	20.7	22.6
1-hr	15.1	18.9	21.3	23.6	24.4	26.6	28.8
2-hr	21.4	27.4	31.2	34.8	36.0	39.7	43.1
6-hr	30.9	38.7	43.8	48.6	50.2	54.9	59.6
12-hr	41.4	50.4	56.3	61.9	63.7	69.3	74.7
24-hr	50.0	62.6	70.8	78.6	81.1	88.9	96.4
Maximum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	5.4	8.3	10.1	12.0	12.5	14.3	16.1
10-min	7.7	11.3	13.8	16.1	16.8	19.1	21.4
15-min	9.2	13.1	15.7	18.2	19.0	21.5	23.9
30-min	12.4	16.7	19.6	22.3	23.2	25.9	28.5
1-hr	16.5	21.7	25.2	28.4	29.5	32.7	35.9
2-hr	23.7	32.1	37.7	43.0	44.7	49.9	55.1
6-hr	32.9	43.2	50.0	56.5	58.6	64.9	71.3
12-hr	43.8	55.8	63.7	71.2	73.6	81.0	88.4
24-hr	53.4	69.8	80.7	91.1	94.4	104.6	114.7

Table 1.14 Future Climate IDF Curves for Deer Lake A (8401501) – 2041-2070 Time Horizon

Minimum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	4.2	6.0	6.9	7.8	8.1	8.9	9.8
10-min	6.0	8.4	9.6	10.7	11.1	12.2	13.3
15-min	7.4	9.9	11.2	12.4	12.8	14.0	15.1
30-min	10.4	13.3	14.7	16.0	16.5	17.8	19.1
1-hr	14.2	17.6	19.4	21.0	21.5	23.1	24.8
2-hr	19.9	25.2	27.9	30.4	31.2	33.6	36.1
6-hr	29.5	36.8	41.0	44.9	46.1	49.9	53.7
12-hr	39.6	48.2	52.9	57.4	58.8	63.2	67.5
24-hr	47.7	59.7	66.3	72.6	74.6	80.8	86.9
Median Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	5.1	7.2	8.7	10.1	10.6	11.9	13.2
10-min	7.2	10.0	11.9	13.7	14.3	16.0	17.7
15-min	8.7	11.6	13.7	15.7	16.3	18.1	19.9
30-min	11.9	15.1	17.4	19.5	20.2	22.2	24.2
1-hr	15.9	19.8	22.6	25.1	25.9	28.3	30.7
2-hr	22.7	28.9	33.4	37.4	38.7	42.6	46.5
6-hr	32.0	40.1	45.8	51.3	53.0	58.1	63.2
12-hr	42.7	52.1	58.7	64.9	66.8	72.7	78.5
24-hr	51.9	64.9	74.1	82.6	85.2	93.4	101.5
Maximum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	6.7	9.6	11.8	14.0	14.7	16.8	18.9
10-min	9.3	13.0	16.0	18.7	19.6	22.4	25.1
15-min	10.9	15.0	18.1	21.1	22.0	24.9	27.8
30-min	14.4	18.7	22.1	25.4	26.4	29.6	32.8
1-hr	18.9	24.1	28.2	32.1	33.3	37.1	40.9
2-hr	27.5	36.1	42.7	49.1	51.1	57.4	63.5
6-hr	36.3	47.1	55.2	62.9	65.4	72.9	80.4
12-hr	47.9	60.5	69.8	78.7	81.6	90.3	99.0
24-hr	59.1	76.2	89.0	101.2	105.1	117.1	129.0

Table 1.15 Future Climate IDF Curves for Deer Lake A (8401501) – 2071-2100 Time Horizon

Minimum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	4.4	6.3	7.6	8.8	9.2	10.3	11.5
10-min	6.4	8.8	10.4	12.0	12.5	14.0	15.5
15-min	7.8	10.4	12.1	13.8	14.4	16.0	17.6
30-min	10.9	13.8	15.8	17.6	18.2	20.1	21.9
1-hr	14.7	18.3	20.6	22.9	23.6	25.8	28.0
2-hr	20.7	26.3	30.0	33.6	34.7	38.2	41.6
6-hr	30.2	37.7	42.6	47.4	48.9	53.5	58.1
12-hr	40.5	49.3	55.1	60.7	62.4	67.9	73.3
24-hr	48.9	61.1	69.2	77.0	79.5	87.1	94.6
Median Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	5.4	8.0	9.6	11.3	11.8	13.3	14.9
10-min	7.7	10.9	13.1	15.2	15.9	17.9	19.9
15-min	9.2	12.7	15.0	17.3	18.0	20.1	22.3
30-min	12.5	16.2	18.8	21.2	22.0	24.3	26.7
1-hr	16.7	21.1	24.2	27.1	28.0	30.8	33.6
2-hr	24.0	31.2	36.1	40.8	42.3	46.8	51.3
6-hr	33.2	42.6	48.8	54.8	56.7	62.5	68.3
12-hr	44.2	54.9	62.1	69.0	71.1	77.8	84.4
24-hr	54.0	68.7	78.6	88.1	91.1	100.3	109.4
Maximum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	6.5	9.3	11.1	12.9	13.4	15.2	16.9
10-min	9.1	12.7	15.0	17.3	18.0	20.2	22.4
15-min	10.7	14.5	17.0	19.5	20.2	22.6	24.9
30-min	14.1	18.2	21.0	23.5	24.4	26.9	29.4
1-hr	18.6	23.5	26.8	29.9	30.9	33.9	36.9
2-hr	27.1	35.1	40.4	45.5	47.1	52.1	57.1
6-hr	35.9	46.4	53.4	60.1	62.2	68.7	75.2
12-hr	47.5	59.5	67.4	75.0	77.4	84.8	92.2
24-hr	58.4	74.8	85.7	96.1	99.4	109.5	119.6