

Table 1.46 Future Climate IDF Curves for Goose A (8501900) – 2011-2040 Time Horizon

Minimum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	4.0	5.5	6.4	7.2	7.5	8.3	9.2
10-min	5.7	8.1	9.5	10.9	11.3	12.6	14.0
15-min	6.9	9.9	11.7	13.4	13.9	15.6	17.3
30-min	8.8	12.5	14.8	16.9	17.6	19.7	21.8
1-hr	11.2	14.7	16.8	18.8	19.5	21.5	23.4
2-hr	14.3	18.1	20.3	22.4	23.1	25.2	27.2
6-hr	23.4	28.6	31.6	34.6	35.5	38.4	41.2
12-hr	31.6	38.1	41.9	45.6	46.8	50.4	54.0
24-hr	40.8	50.0	55.6	60.9	62.6	67.8	73.0
Median Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	4.6	6.4	7.6	8.8	9.2	10.4	11.5
10-min	6.8	9.7	11.7	13.6	14.2	16.2	18.1
15-min	8.2	11.9	14.2	16.6	17.4	19.8	22.2
30-min	10.5	15.1	18.2	21.2	22.2	25.3	28.3
1-hr	12.9	17.3	20.2	23.2	24.2	27.2	30.1
2-hr	16.3	21.1	24.3	27.5	28.6	31.9	35.1
6-hr	26.1	33.0	37.4	42.0	43.5	48.1	52.7
12-hr	34.7	43.0	48.5	54.0	55.7	61.3	66.8
24-hr	45.0	56.2	63.5	71.0	73.4	81.0	88.4
Maximum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	5.1	7.6	9.2	10.8	11.3	12.8	14.3
10-min	7.6	11.8	14.5	17.1	18.0	20.5	23.1
15-min	9.3	14.4	17.7	20.9	21.9	25.0	28.1
30-min	11.9	18.4	22.7	26.7	28.0	32.0	36.0
1-hr	14.2	20.6	24.7	28.7	30.0	33.9	37.7
2-hr	17.7	24.8	29.4	33.8	35.2	39.5	43.8
6-hr	28.2	38.2	44.8	51.1	53.1	59.2	65.4
12-hr	37.2	49.1	56.9	64.4	66.7	74.1	81.3
24-hr	48.2	63.9	74.1	83.9	87.1	96.7	106.2

Table 1.47 Future Climate IDF Curves for Goose A (8501900) – 2041-2070 Time Horizon

Minimum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	4.5	6.1	7.2	8.2	8.6	9.6	10.5
10-min	6.5	9.2	11.0	12.6	13.2	14.8	16.4
15-min	7.9	11.2	13.4	15.5	16.2	18.2	20.1
30-min	10.1	14.3	17.1	19.7	20.5	23.0	25.5
1-hr	12.5	16.5	19.1	21.6	22.4	24.8	27.1
2-hr	15.8	20.1	23.0	25.7	26.6	29.2	31.7
6-hr	25.4	31.6	35.6	39.5	40.7	44.5	48.1
12-hr	34.0	41.5	46.4	51.1	52.6	57.2	61.7
24-hr	43.9	54.2	60.9	67.4	69.4	75.6	81.6
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	10.7	11.9
10-min	6.9	10.3	12.4	14.4	15.0	16.9	18.9
15-min	8.4	12.5	15.1	17.5	18.3	20.7	23.1
30-min	10.8	16.0	19.3	22.3	23.3	26.3	29.4
1-hr	13.1	18.2	21.3	24.3	25.2	28.1	31.1
2-hr	16.5	22.1	25.5	28.8	29.8	33.0	36.2
6-hr	26.4	34.4	39.4	44.0	45.5	50.0	54.5
12-hr	35.1	44.6	50.7	56.3	58.0	63.5	68.9
24-hr	45.5	58.2	66.2	73.6	76.0	83.3	90.7
Maximum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	5.6	8.1	9.9	11.6	12.1	14.0	15.9
10-min	8.4	12.7	15.7	18.5	19.4	22.6	25.8
15-min	10.2	15.5	19.1	22.6	23.7	27.6	31.5
30-min	13.1	19.8	24.5	28.9	30.4	35.4	40.4
1-hr	15.5	22.0	26.5	30.9	32.4	37.3	42.2
2-hr	19.1	26.4	31.4	36.2	37.8	43.3	48.7
6-hr	30.1	40.5	47.7	54.6	56.8	64.3	71.9
12-hr	39.4	51.7	60.3	68.5	71.1	79.9	88.9
24-hr	51.2	67.3	78.4	89.1	92.7	104.7	116.6

Table 1.48 Future Climate IDF Curves for Goose A (8501900) – 2071-2100 Time Horizon

Minimum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	4.5	5.8	6.7	7.5	7.8	8.6	9.4
10-min	6.5	8.6	10.0	11.4	11.8	13.1	14.5
15-min	7.9	10.5	12.3	14.0	14.5	16.2	17.8
30-min	10.1	13.4	15.6	17.7	18.4	20.4	22.5
1-hr	12.5	15.5	17.6	19.6	20.2	22.1	24.0
2-hr	15.8	19.1	21.2	23.3	24.0	26.0	28.0
6-hr	25.4	30.0	33.1	36.1	37.0	39.9	42.8
12-hr	33.9	39.8	43.6	47.3	48.5	52.1	55.7
24-hr	43.9	52.1	57.5	62.7	64.4	69.5	74.6
Median Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	4.9	6.8	8.1	9.4	9.8	11.0	12.2
10-min	7.3	10.4	12.6	14.7	15.3	17.4	19.4
15-min	8.8	12.7	15.3	17.9	18.7	21.2	23.7
30-min	11.3	16.2	19.6	22.8	23.9	27.1	30.2
1-hr	13.7	18.4	21.7	24.8	25.8	28.9	31.9
2-hr	17.0	22.3	25.9	29.3	30.4	33.8	37.2
6-hr	27.2	34.8	39.8	44.8	46.3	51.2	55.9
12-hr	36.0	45.1	51.2	57.1	59.0	64.8	70.5
24-hr	46.7	58.8	66.9	74.8	77.3	85.0	92.6
Maximum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	5.8	8.9	11.1	13.3	14.0	16.0	18.1
10-min	8.8	14.0	17.8	21.4	22.6	26.1	29.6
15-min	10.7	17.1	21.7	26.1	27.5	31.8	36.1
30-min	13.8	21.9	27.9	33.5	35.3	40.8	46.3
1-hr	16.1	24.1	29.9	35.5	37.3	42.7	48.1
2-hr	19.8	28.7	35.2	41.4	43.3	49.4	55.4
6-hr	31.1	43.8	53.0	61.8	64.6	73.2	81.8
12-hr	40.5	55.6	66.4	76.8	80.1	90.2	100.3
24-hr	52.7	72.3	86.4	100.0	104.3	117.5	130.7