

Table 1.52 Future Climate IDF Curves for Nain (8502799) – 2011-2040 Time Horizon

Minimum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	2.5	3.6	4.1	4.7	4.8	5.3	5.8
10-min	3.7	5.1	5.8	6.5	6.7	7.4	8.1
15-min	4.6	6.2	7.0	7.8	8.1	8.8	9.6
30-min	6.3	8.4	9.5	10.5	10.8	11.8	12.8
1-hr	8.9	11.7	13.1	14.4	14.9	16.2	17.5
2-hr	13.1	16.6	18.4	20.0	20.6	22.2	23.9
6-hr	22.8	30.0	33.6	37.1	38.2	41.6	45.0
12-hr	31.2	39.3	43.4	47.3	48.6	52.4	56.2
24-hr	39.7	49.4	54.2	58.9	60.4	64.9	69.4
Median Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	3.3	4.6	5.4	6.1	6.4	7.1	7.8
10-min	4.7	6.4	7.5	8.5	8.8	9.7	10.6
15-min	5.7	7.7	8.9	10.1	10.4	11.5	12.6
30-min	7.7	10.3	11.9	13.4	13.8	15.2	16.6
1-hr	10.8	14.2	16.4	18.3	18.9	20.7	22.5
2-hr	15.5	19.8	22.4	24.9	25.6	28.0	30.2
6-hr	27.7	36.5	42.0	47.0	48.6	53.4	58.1
12-hr	36.8	46.7	52.9	58.5	60.3	65.7	70.9
24-hr	46.4	58.1	65.5	72.1	74.2	80.7	86.9
Maximum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	3.8	5.4	6.4	7.4	7.8	8.7	9.7
10-min	5.4	7.4	8.9	10.2	10.6	11.9	13.2
15-min	6.5	8.9	10.5	12.1	12.6	14.1	15.6
30-min	8.8	11.8	13.9	15.9	16.6	18.5	20.5
1-hr	12.2	16.3	19.0	21.7	22.5	25.1	27.6
2-hr	17.2	22.3	25.8	29.1	30.2	33.4	36.7
6-hr	31.3	41.8	48.9	55.8	58.0	64.6	71.3
12-hr	40.8	52.6	60.7	68.4	70.8	78.3	85.8
24-hr	51.1	65.2	74.7	83.9	86.8	95.7	104.6

Table 1.53 Future Climate IDF Curves for Nain (8502799) – 2041-2070 Time Horizon

Minimum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	2.8	3.7	4.2	4.7	4.9	5.4	5.9
10-min	4.1	5.2	5.9	6.6	6.8	7.5	8.2
15-min	5.0	6.3	7.2	7.9	8.2	9.0	9.7
30-min	6.8	8.6	9.6	10.6	10.9	11.9	12.9
1-hr	9.6	11.9	13.3	14.6	15.1	16.4	17.7
2-hr	14.0	16.9	18.6	20.3	20.8	22.5	24.1
6-hr	24.6	30.5	34.1	37.6	38.7	42.1	45.4
12-hr	33.3	40.0	44.0	47.9	49.1	53.0	56.7
24-hr	42.2	50.1	54.9	59.6	61.0	65.6	70.0
Median Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	3.4	4.6	5.5	6.3	6.6	7.5	8.3
10-min	4.8	6.4	7.6	8.7	9.1	10.3	11.4
15-min	5.9	7.7	9.1	10.4	10.8	12.1	13.4
30-min	8.0	10.3	12.1	13.8	14.3	16.0	17.7
1-hr	11.1	14.3	16.6	18.8	19.5	21.8	23.9
2-hr	15.9	19.8	22.7	25.6	26.5	29.3	32.0
6-hr	28.5	36.6	42.6	48.4	50.3	56.2	61.7
12-hr	37.7	46.8	53.5	60.1	62.2	68.8	75.0
24-hr	47.4	58.2	66.2	74.0	76.6	84.4	91.8
Maximum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	4.3	6.1	7.3	8.4	8.8	9.9	11.0
10-min	6.1	8.4	10.0	11.5	11.9	13.4	14.9
15-min	7.3	10.0	11.8	13.5	14.1	15.8	17.5
30-min	9.8	13.2	15.6	17.8	18.6	20.8	22.9
1-hr	13.6	18.1	21.2	24.2	25.1	28.0	30.9
2-hr	19.0	24.6	28.5	32.3	33.5	37.1	40.8
6-hr	34.9	46.5	54.6	62.3	64.7	72.3	79.7
12-hr	44.9	58.0	67.0	75.7	78.4	86.9	95.3
24-hr	55.9	71.5	82.2	92.5	95.8	105.9	115.9

Table 1.54 Future Climate IDF Curves for Nain (8502799) – 2071-2100 Time Horizon

Minimum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	3.1	4.0	4.4	4.8	5.0	5.4	5.8
10-min	4.4	5.6	6.2	6.7	6.9	7.5	8.0
15-min	5.4	6.8	7.5	8.1	8.3	8.9	9.5
30-min	7.3	9.1	10.0	10.8	11.1	11.9	12.7
1-hr	10.3	12.7	13.8	14.9	15.2	16.3	17.3
2-hr	14.8	17.8	19.3	20.6	21.0	22.4	23.7
6-hr	26.4	32.6	35.5	38.3	39.1	41.9	44.6
12-hr	35.3	42.2	45.5	48.6	49.6	52.7	55.7
24-hr	44.6	52.8	56.7	60.4	61.6	65.2	68.9
Median Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	3.4	4.7	5.5	6.2	6.4	7.2	7.9
10-min	4.9	6.5	7.6	8.6	8.9	9.8	10.8
15-min	6.0	7.8	9.1	10.2	10.6	11.7	12.7
30-min	8.1	10.5	12.1	13.5	14.0	15.4	16.8
1-hr	11.3	14.5	16.6	18.5	19.1	21.0	22.8
2-hr	16.0	20.1	22.7	25.1	25.9	28.3	30.6
6-hr	28.9	37.1	42.6	47.6	49.2	54.0	58.8
12-hr	38.1	47.4	53.6	59.1	60.9	66.3	71.7
24-hr	47.9	58.9	66.3	72.9	75.0	81.5	87.9
Maximum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	5.3	7.0	8.1	9.2	9.6	10.6	11.7
10-min	7.3	9.6	11.1	12.6	13.0	14.4	15.8
15-min	8.8	11.4	13.1	14.8	15.3	17.0	18.6
30-min	11.7	15.1	17.3	19.5	20.1	22.2	24.3
1-hr	16.0	20.5	23.5	26.3	27.2	30.0	32.7
2-hr	22.1	27.7	31.4	35.0	36.1	39.6	43.1
6-hr	41.2	52.8	60.5	67.8	70.2	77.3	84.5
12-hr	52.0	65.0	73.6	81.9	84.5	92.6	100.6
24-hr	64.4	79.9	90.1	99.9	103.1	112.7	122.2