

Table 1.19 Future Climate IDF Curves for La Scie (8402520) – 2011-2040 Time Horizon

Minimum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	3.1	4.0	4.5	5.1	5.3	5.8	6.3
10-min	4.4	5.6	6.4	7.2	7.5	8.2	9.0
15-min	5.5	7.2	8.3	9.4	9.7	10.8	11.8
30-min	7.7	10.0	11.5	13.0	13.4	14.9	16.3
1-hr	11.0	13.6	15.3	16.9	17.4	19.0	20.6
2-hr	16.0	19.5	21.8	24.1	24.8	26.9	29.1
6-hr	27.8	34.4	38.8	43.0	44.3	48.4	52.5
12-hr	40.3	49.4	55.3	61.1	62.9	68.5	74.1
24-hr	53.4	63.2	69.6	75.9	77.8	83.9	89.9
Median Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	3.5	4.7	5.4	6.1	6.3	7.0	7.7
10-min	4.9	6.6	7.7	8.7	9.0	10.0	11.0
15-min	6.2	8.5	10.0	11.4	11.9	13.2	14.6
30-min	8.8	11.9	13.9	15.7	16.3	18.2	20.0
1-hr	12.2	15.7	17.9	20.0	20.7	22.7	24.8
2-hr	17.6	22.4	25.4	28.3	29.2	31.9	34.7
6-hr	30.8	39.8	45.5	51.0	52.7	57.9	63.2
12-hr	44.5	56.7	64.6	72.0	74.3	81.5	88.7
24-hr	57.8	71.1	79.6	87.7	90.2	98.0	105.8
Maximum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	4.0	5.8	7.1	8.2	8.6	9.8	10.9
10-min	5.6	8.3	10.1	11.8	12.3	14.0	15.7
15-min	7.1	10.8	13.3	15.7	16.4	18.7	21.0
30-min	9.9	15.0	18.3	21.5	22.5	25.6	28.7
1-hr	13.5	19.2	22.9	26.4	27.6	31.1	34.5
2-hr	19.4	27.1	32.2	37.0	38.6	43.3	48.1
6-hr	34.2	48.7	58.4	67.6	70.5	79.5	88.5
12-hr	49.1	68.9	82.1	94.7	98.7	111.0	123.2
24-hr	62.8	84.3	98.6	112.2	116.6	129.9	143.2

Table 1.20 Future Climate IDF Curves for La Scie (8402520) – 2041-2070 Time Horizon

Minimum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	3.4	4.3	4.8	5.2	5.4	5.8	6.2
10-min	4.8	6.1	6.7	7.4	7.6	8.2	8.8
15-min	6.1	7.8	8.7	9.6	9.9	10.8	11.6
30-min	8.5	10.9	12.1	13.3	13.7	14.9	16.0
1-hr	12.0	14.6	16.0	17.3	17.7	19.0	20.3
2-hr	17.3	20.9	22.8	24.6	25.2	26.9	28.7
6-hr	30.2	36.9	40.5	44.0	45.1	48.4	51.8
12-hr	43.5	52.8	57.7	62.4	63.9	68.5	73.1
24-hr	56.8	66.9	72.2	77.3	78.9	83.9	88.8
Median Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	3.8	5.1	5.9	6.7	6.9	7.7	8.5
10-min	5.3	7.2	8.4	9.5	9.9	11.0	12.1
15-min	6.8	9.3	11.0	12.6	13.1	14.6	16.2
30-min	9.5	12.9	15.2	17.3	18.0	20.0	22.2
1-hr	13.0	16.8	19.4	21.8	22.5	24.8	27.2
2-hr	18.8	23.9	27.4	30.7	31.7	34.8	38.0
6-hr	33.0	42.8	49.4	55.5	57.4	63.4	69.5
12-hr	47.4	60.7	69.8	78.2	80.8	88.9	97.3
24-hr	61.0	75.5	85.3	94.4	97.2	106.0	115.1
Maximum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	5.0	7.0	8.5	9.9	10.3	11.7	13.1
10-min	7.0	9.9	12.1	14.1	14.8	16.8	18.8
15-min	9.1	13.1	16.1	18.9	19.8	22.6	25.3
30-min	12.6	18.1	22.1	25.9	27.1	30.8	34.6
1-hr	16.6	22.6	27.1	31.3	32.7	36.9	41.0
2-hr	23.6	31.8	37.9	43.7	45.5	51.2	56.9
6-hr	42.0	57.7	69.2	80.2	83.7	94.5	105.2
12-hr	59.8	81.1	96.8	111.9	116.7	131.4	146.1
24-hr	74.4	97.5	114.6	130.9	136.1	152.1	168.0

Table 1.21 Future Climate IDF Curves for La Scie (8402520) – 2071-2100 Time Horizon

Minimum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	3.6	4.6	5.2	5.7	5.9	6.5	7.0
10-min	5.1	6.5	7.4	8.2	8.4	9.2	10.0
15-min	6.4	8.4	9.6	10.7	11.0	12.1	13.2
30-min	9.0	11.7	13.3	14.8	15.2	16.7	18.2
1-hr	12.5	15.5	17.3	18.9	19.5	21.1	22.7
2-hr	18.0	22.1	24.5	26.8	27.5	29.7	31.9
6-hr	31.6	39.4	43.9	48.2	49.5	53.8	57.9
12-hr	45.5	56.1	62.3	68.1	70.0	75.8	81.5
24-hr	59.0	70.5	77.1	83.5	85.5	91.8	98.0
Median Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	4.0	5.3	6.2	7.0	7.2	8.0	8.8
10-min	5.7	7.6	8.8	10.0	10.3	11.5	12.5
15-min	7.3	9.9	11.6	13.2	13.7	15.2	16.7
30-min	10.1	13.7	16.0	18.1	18.8	20.9	22.9
1-hr	13.8	17.7	20.3	22.7	23.4	25.7	28.0
2-hr	19.8	25.1	28.7	31.9	32.9	36.1	39.2
6-hr	34.8	45.0	51.8	57.9	59.8	65.8	71.7
12-hr	49.9	63.8	73.1	81.4	84.0	92.2	100.2
24-hr	63.8	78.8	88.8	97.9	100.7	109.5	118.3
Maximum Projected Precipitation Amount (mm)							
Duration	Return Interval (years)						
	2	5	10	20	25	50	100
5-min	4.8	6.4	7.6	8.8	9.2	10.4	11.6
10-min	6.8	9.1	10.9	12.7	13.2	14.9	16.7
15-min	8.8	11.9	14.4	16.9	17.6	20.0	22.4
30-min	12.2	16.4	19.8	23.1	24.2	27.4	30.5
1-hr	16.1	20.8	24.6	28.2	29.4	33.0	36.5
2-hr	22.9	29.3	34.5	39.5	41.1	45.9	50.8
6-hr	40.8	52.9	62.8	72.2	75.2	84.5	93.6
12-hr	58.1	74.6	88.1	101.0	105.1	117.7	130.2
24-hr	72.7	90.5	105.1	119.1	123.6	137.2	150.8