Canada's Changing Climate Report
Chapter 8: Changes in Extremes

Supplementary Material

Table 8.S1: Observed regional changes in temperature extremes during the 1949-2023 period. Trends are expressed per decade and include 95% uncertainty ranges. For each extreme temperature index, trends are shown for two datasets: the third generation of the Canadian homogenized temperature dataset (Vincent et al., 2020) extended to 2023 (as version 3.1 used in Chapter 2) and the fourth generation homogenized temperature dataset (Wan et al., 2025) using station data without infilling for consistency with version 3 (which did not use infilling) and CCCR2019. The calculations of indices and trends are based on station data and closely follow Vincent et al. (2018) and CCCR2019. Data source: Wan et al. (2025); Vincent et al. (2020).

		Change in highest daily maximum temperature	Change in lowest daily minimum temperature	Change in number of hot days (>30 °C)	Change in number of cold nights (<-30 °C)
Canada	v4	0.18 (0.08, 0.28)	0.49 (0.33, 0.65)	0.30 (0.14, 0.45)	-1.68 (-2.23, -1.14)
	v3	0.15 (0.06, 0.25)	0.50 (0.34, 0.68)	0.30 (0.14, 0.45)	-1.88 (-2.38, -1.37)
British Columbia	v4	0.19 (0.06, 0.33)	0.59 (0.21, 1.01)	0.51 (0.19, 0.81)	-0.51 (-0.91, -0.13)
	v3	0.20 (0.06, 0.34)	0.62 (0.22, 1.00)	0.52 (0.19, 0.81)	-0.55 (-1.01, -0.17)
Prairies	v4	0.04 (-0.11, 0.20)	0.39 (0.14, 0.68)	0.19 (-0.09, 0.49)	-1.61 (-2.29, -0.57)
	v3	0.05 (-0.09, 0.20)	0.41 (0.15, 0.70)	0.23 (-0.09, 0.54)	-1.84 (-2.67, -0.72)
Ontario	v4	0.12 (-0.03, 0.25)	0.25 (0.02, 0.49)	0.49 (0.11, 0.86)	-0.51 (-0.89, -0.15)
	v3	0.07 (-0.08, 0.21)	0.29 (0.02, 0.55)	0.40 (-0.10, 0.85)	-0.74 (-1.14, -0.32)
Quebec	v4	0.18 (0.07, 0.28)	0.39 (0.14, 0.65)	0.25 (0.11, 0.41)	-0.81 (-1.29, -0.28)
	v3	0.11 (-0.02, 0.23)	0.37 (0.15, 0.55)	0.23 (0.05, 0.39)	-0.75 (-1.32, -0.26)
Atlantic Canada	v4	0.24 (0.10, 0.36)	0.38 (0.11, 0.68)	0.22 (0.09, 0.32)	-0.02 (-0.04, -0.00)
	v3	0.18 (0.05, 0.28)	0.43 (0.10, 0.72)	0.16 (0.04, 0.26)	-0.01 (-0.03, 0.00)
Canada's North	v4	0.23 (0.10, 0.37)	0.63 (0.48, 0.81)	0.09 (0.03, 0.18)	-3.49 (-4.55, -2.44)
	v3	0.23 (0.12, 0.34)	0.70 (0.52, 0.88)	0.13 (0.05, 0.23)	-4.00 (-5.02, -3.08)

Table 8.S2: **TXx**: Highest daily maximum temperature. Region-averaged values for the recent past (+1 °C) climatology and projections at different global warming levels. See Chapter 3, Box 3.1 for an explanation of how global warming levels translate to increases in Canadian average temperatures over different time periods.Projections are expressed as a change relative to the recent past.Projections are based on CanDCS-M6, an ensemble of 26 downscaled and bias-corrected CMIP6 models. The ensemble median is listed, with the 80% uncertainty range in parentheses. Data Source: Sobie et al. (2024).

	+1.0 °C	+1.5 °C	+2.0 °C	+2.5 °C	+3.0 °C	+3.5 °C	+4.0 °C
Canada	26.3 °C	0.9 °C	1.6 °C	2.5 °C	3.2 °C	4.0 °C	5.1 °C
	(26.1, 26.8)	(0.4, 1.3)	(1.2, 2.4)	(1.9, 3.5)	(2.6, 4.6)	(3.1, 5.5)	(3.8, 6.6)
British Columbia	26.7 °C	0.9 °C	1.8 °C	2.6 °C	3.5 °C	4.4 °C	5.4 °C
	(26.2, 27.2)	(0.3, 1.6)	(1.2, 2.7)	(1.8, 3.6)	(2.6, 5.0)	(3.2, 5.7)	(4.2, 7.3)
Prairies	31.7 °C	1.0 °C	1.9 °C	2.9 °C	3.7 °C	4.6 °C	5.6 °C
	(31.1, 32.4)	(0.1, 1.7)	(0.9, 2.9)	(1.5, 3.8)	(2.3, 5.0)	(3.1, 6.3)	(4.1, 7.6)
Ontario	32.1 °C	0.9 °C	1.8 °C	2.5 °C	3.4 °C	4.2 °C	5.1 °C
	(31.6, 32.7)	(0.1, 1.6)	(0.9, 2.8)	(1.8, 3.8)	(2.3, 5.0)	(3.1, 6.0)	(3.6, 7.0)
Quebec	28.3 °C	0.7 °C	1.5 °C	2.4 °C	3.1 °C	4.0 °C	4.6 °C
	(27.9, 28.7)	(0.2, 1.6)	(0.9, 2.6)	(1.6, 3.6)	(2.4, 4.5)	(2.9, 5.3)	(3.6, 6.6)
Atlantic Canada	28.2 °C	0.8 °C	1.5 °C	2.3 °C	3.0 °C	3.8 °C	4.5 °C
	(27.9, 28.6)	(0.3, 1.5)	(1.0, 2.5)	(1.6, 3.5)	(2.2, 4.3)	(2.8, 5.0)	(3.5, 6.2)
Canada's North	21.4 °C	0.8 °C	1.6 °C	2.4 °C	3.0 °C	3.6 °C	4.8 °C
	(20.9, 21.8)	(0.2, 1.3)	(0.8, 2.5)	(1.6, 3.2)	(2.3, 4.7)	(3.0, 5.6)	(3.7, 6.7)

Table 8.S3: **TNn**: Lowest daily minimum temperature. Region-averaged values for the recent past (+1 °C) climatology and projections at different global warming levels. See Chapter 3, Box 3.1 for an explanation of how global warming levels translate to increases in Canadian average temperatures over different time periods.Projections are expressed as a change relative to the recent past.Projections are based on CanDCS-M6, an ensemble of 26 downscaled and bias-corrected CMIP6 models. The ensemble median is listed, with the 80% uncertainty range in parentheses. Data Source: Sobie et al. (2024).

	+1.0 °C	+1.5 °C	+2.0 °C	+2.5 °C	+3.0 °C	+3.5 °C	+4.0 °C
Canada	-38.5 °C	1.4 °C	2.8 °C	4.4 °C	6.0 °C	7.8 °C	9.3 °C
	(-38.9, -37.8)	(0.5, 2.2)	(1.9, 4.0)	(3.2, 6.0)	(4.5, 8.0)	(5.7, 9.3)	(6.8, 11.5)
British Columbia	-29.6 °C	1.1 °C	2.3 °C	3.5 °C	4.7 °C	6.1 °C	6.6 °C
	(-30.6, -28.0)	(-0.6, 2.2)	(0.8, 4.1)	(1.9, 5.3)	(2.7, 6.7)	(3.7, 7.9)	(5.3, 9.5)
Prairies	-39.0 °C	1.2 °C	2.6 °C	4.2 °C	5.4 °C	6.8 °C	8.1 °C
	(-39.8, -37.9)	(0.2, 2.4)	(1.4, 3.8)	(2.7, 5.7)	(4.1, 7.5)	(5.0, 8.8)	(6.4, 10.8)
Ontario	-36.3 °C	1.5 °C	3.1 °C	4.7 °C	6.3 °C	8.3 °C	10.2 °C
	(-36.8, -35.5)	(0.7, 2.7)	(1.4, 4.6)	(2.9, 6.9)	(4.4, 8.4)	(5.4, 10.1)	(7.0, 12.0)
Quebec	-37.0 °C	1.7 °C	3.4 °C	5.4 °C	6.9 °C	8.9 °C	10.8 °C
	(-37.6, -36.4)	(0.7, 2.8)	(1.9, 4.8)	(3.4, 7.5)	(5.0, 9.6)	(6.4, 11.3)	(8.3, 13.5)
Atlantic Canada	-28.7 °C	1.6 °C	3.1 °C	4.8 °C	6.3 °C	8.1 °C	9.7 °C
	(-29.2, -28.2)	(0.6, 2.2)	(1.6, 4.4)	(3.0, 6.4)	(4.4, 8.1)	(6.0, 9.5)	(7.2, 11.8)
Canada's North	-43.0 °C	1.4 °C	2.8 °C	4.4 °C	6.2 °C	7.8 °C	9.3 °C
	(-43.6, -42.4)	(0.5, 2.3)	(1.8, 4.0)	(3.3, 6.1)	(4.3, 8.4)	(5.6, 10.0)	(7.1, 12.1)

Table 8.S4: **TNx**: Highest daily minimum temperature. Region-averaged values for the recent past (+1 °C) climatology and projections at different global warming levels. See Chapter 3, Box 3.1 for an explanation of how global warming levels translate to increases in Canadian average temperatures over different time periods.Projections are expressed as a change relative to the recent past.Projections are based on CanDCS-M6, an ensemble of 26 downscaled and bias-corrected CMIP6 models. The ensemble median is listed, with the 80% uncertainty range in parentheses. Data Source: Sobie et al. (2024).

	+1.0 °C	+1.5 °C	+2.0 °C	+2.5 °C	+3.0 °C	+3.5 °C	+4.0 °C
Canada	14.0 °C	0.8 °C	1.5 °C	2.2 °C	2.9 °C	3.7 °C	4.5 °C
	(13.7, 14.2)	(0.5, 1.0)	(1.2, 2.0)	(1.9, 2.7)	(2.6, 3.8)	(3.2, 4.5)	(3.9, 5.3)
British Columbia	11.4 °C	0.8 °C	1.5 °C	2.2 °C	3.0 °C	3.8 °C	4.5 °C
	(11.1, 11.7)	(0.5, 1.1)	(1.2, 1.9)	(1.9, 2.8)	(2.5, 3.6)	(3.2, 4.4)	(3.8, 5.4)
Prairies	17.0 °C	0.9 °C	1.8 °C	2.5 °C	3.3 °C	4.1 °C	4.9 °C
	(16.6, 17.4)	(0.3, 1.3)	(1.1, 2.3)	(1.8, 3.2)	(2.5, 4.2)	(3.1, 5.0)	(4.2, 5.7)
Ontario	19.4 °C	0.8 °C	1.5 °C	2.3 °C	3.0 °C	3.7 °C	4.3 °C
	(19.0, 19.7)	(0.4, 1.2)	(1.1, 2.1)	(1.7, 3.0)	(2.4, 3.9)	(3.0, 4.8)	(3.8, 5.4)
Quebec	16.2 °C	0.7 °C	1.4 °C	2.1 °C	2.8 °C	3.4 °C	4.1 °C
	(15.9, 16.4)	(0.4, 1.2)	(0.9, 2.2)	(1.6, 2.9)	(2.2, 3.6)	(2.9, 4.3)	(3.7, 5.1)
Atlantic Canada	16.6 °C	0.8 °C	1.4 °C	2.2 °C	2.7 °C	3.4 °C	4.2 °C
	(16.3, 16.9)	(0.3, 1.2)	(0.9, 2.1)	(1.4, 2.7)	(2.1, 3.4)	(2.8, 4.1)	(3.4, 5.1)
Canada's North	10.6 °C	0.7 °C	1.5 °C	2.3 °C	2.9 °C	3.6 °C	4.8 °C
	(10.3, 10.9)	(0.4, 1.1)	(1.0, 2.1)	(1.8, 2.8)	(2.5, 4.0)	(3.1, 4.8)	(3.6, 5.5)

Table 8.S5: **TXn**: Lowest daily maximum temperature. Region-averaged values for the recent past (+1 °C) climatology and projections at different global warming levels. See Chapter 3, Box 3.1 for an explanation of how global warming levels translate to increases in Canadian average temperatures over different time periods.Projections are expressed as a change relative to the recent past.Projections are based on CanDCS-M6, an ensemble of 26 downscaled and bias-corrected CMIP6 models. The ensemble median is listed, with the 80% uncertainty range in parentheses. Data Source: Sobie et al. (2024).

	+1.0 °C	+1.5 °C	+2.0 °C	+2.5 °C	+3.0 °C	+3.5 °C	+4.0 °C
Canada	-29.7 °C	1.3 °C	2.7 °C	4.4 °C	6.0 °C	7.5 °C	8.9 °C
	(-30.2, -29.0)	(0.4, 2.2)	(1.7, 4.1)	(3.2, 5.9)	(4.2, 7.6)	(5.6, 9.2)	(6.6, 11.3)
British Columbia	-20.4 °C	0.9 °C	2.0 °C	3.1 °C	4.0 °C	5.2 °C	5.4 °C
	(-21.4, -19.1)	(-0.9, 2.0)	(0.5, 3.6)	(1.7, 4.9)	(2.5, 5.7)	(2.9, 6.9)	(4.2, 8.0)
Prairies	-28.6 °C	1.1 °C	2.3 °C	3.9 °C	5.3 °C	6.7 °C	7.7 °C
	(-29.3, -27.6)	(-0.2, 2.1)	(1.3, 4.0)	(2.5, 5.8)	(3.7, 6.8)	(4.8, 8.2)	(5.8, 10.1)
Ontario	-24.2 °C	1.4 °C	3.0 °C	4.7 °C	6.3 °C	7.8 °C	9.5 °C
	(-24.9, -23.2)	(0.5, 2.5)	(1.5, 4.2)	(2.9, 6.0)	(4.0, 7.4)	(5.5, 8.7)	(6.6, 10.8)
Quebec	-26.2 °C	1.7 °C	3.5 °C	5.5 °C	7.0 °C	9.0 °C	10.4 °C
	(-26.8, -25.4)	(0.7, 2.7)	(1.9, 4.7)	(3.3, 6.9)	(5.2, 8.8)	(7.0, 10.9)	(8.3, 12.8)
Atlantic Canada	-19.5 °C	1.5 °C	3.2 °C	4.7 °C	6.0 °C	7.3 °C	8.5 °C
	(-20.2, -18.9)	(0.5, 2.2)	(1.7, 4.3)	(2.9, 5.8)	(4.5, 7.7)	(6.0, 9.4)	(7.2, 11.1)
Canada's North	-36.7 °C	1.4 °C	2.8 °C	4.5 °C	6.2 °C	7.5 °C	9.2 °C
	(-37.4, -35.9)	(0.4, 2.4)	(1.7, 4.2)	(3.1, 6.1)	(4.2, 8.2)	(5.6, 9.9)	(7.1, 12.4)

Table 8.S6: **TNm30**: Number of cold nights (Number of days per year with a minimum temperature below -30°C). Region-averaged values for the recent past (+1 °C) climatology and projections at different global warming levels. See Chapter 3, Box 3.1 for an explanation of how global warming levels translate to increases in Canadian average temperatures over different time periods.Projections are based on CanDCS-M6, an ensemble of 26 downscaled and bias-corrected CMIP6 models. The ensemble median is listed, with the 80% uncertainty range in parentheses. Data Source: Sobie et al. (2024).

	+1.0 °C	+1.5 °C	+2.0 °C	+2.5 °C	+3.0 °C	+3.5 °C	+4.0 °C
Canada	37.7 days	31.3 days	25.8 days	19.4 days	14.3 days	9.8 days	6.5 days
	(35.6, 40.3)	(27.7, 35.1)	(19.9, 29.0)	(13.1, 23.3)	(8.2, 18.9)	(5.0, 13.8)	(2.3, 10.4)
British Columbia	4.6 days	3.8 days	2.9 days	2.1 days	1.5 days	1.1 days	0.8 days
	(3.9, 5.4)	(2.8, 4.8)	(2.1, 4.0)	(1.2, 3.1)	(0.7, 2.6)	(0.5, 2.0)	(0.2, 1.4)
Prairies	21.8 days	17.7 days	14.0 days	10.3 days	7.4 days	4.9 days	3.6 days
	(19.5, 23.5)	(14.7, 20.6)	(10.9, 16.5)	(6.6, 12.9)	(4.3, 10.2)	(2.5, 8.2)	(1.0, 5.8)
Ontario	16.0 days	12.0 days	8.4 days	5.4 days	3.3 days	1.5 days	0.7 days
	(14.5, 17.4)	(9.3, 14.5)	(5.4, 11.2)	(2.5, 8.2)	(1.1, 5.7)	(0.4, 3.6)	(0.1, 2.4)
Quebec	18.4 days	12.5 days	8.1 days	4.5 days	2.1 days	0.9 days	0.4 days
	(16.4, 21.0)	(9.7, 16.7)	(4.4, 11.7)	(1.6, 8.2)	(0.7, 5.2)	(0.2, 3.1)	(0.1, 1.6)
Atlantic Canada	5.2 days	3.5 days	2.0 days	1.0 days	0.5 days	0.2 days	0.1 days
	(4.6, 6.2)	(2.4, 4.8)	(1.1, 3.3)	(0.3, 2.2)	(0.2, 1.4)	(0.1, 0.8)	(0.0, 0.4)
Canada's North	70.2 days	60.2 days	50.1 days	39.2 days	29.3 days	21.3 days	14.0 days
	(67.7, 74.9)	(54.1, 66.0)	(39.3, 55.6)	(27.7, 46.0)	(17.5, 38.0)	(10.6, 28.4)	(5.1, 21.2)

Table 8.S7: **SU**: Number of summer days (Number of days per year with a maximum temperature above 25°C). Region-averaged values for the recent past (+1 °C) climatology and projections at different global warming levels. See Chapter 3, Box 3.1 for an explanation of how global warming levels translate to increases in Canadian average temperatures over different time periods.Projections are based on CanDCS-M6, an ensemble of 26 downscaled and bias-corrected CMIP6 models. The ensemble median is listed, with the 80% uncertainty range in parentheses. Data Source: Sobie et al. (2024).

	+1.0 °C	+1.5 °C	+2.0 °C	+2.5 °C	+3.0 °C	+3.5 °C	+4.0 °C
Canada	15.0 days	18.4 days	22.1 days	26.7 days	31.2 days	36.2 days	43.0 days
	(13.6, 16.6)	(16.7, 22.1)	(18.9, 27.2)	(22.3, 32.1)	(26.1, 38.4)	(29.4, 42.7)	(33.9, 48.9)
British Columbia	9.2 days	12.8 days	16.3 days	21.0 days	26.4 days	33.8 days	40.7 days
	(8.4, 11.1)	(10.1, 16.0)	(13.2, 21.4)	(15.8, 27.2)	(19.9, 37.1)	(23.2, 42.4)	(28.4, 50.7)
Prairies	33.4 days	40.5 days	47.2 days	55.3 days	63.2 days	71.9 days	80.8 days
	(30.2, 37.2)	(35.3, 47.3)	(40.8, 56.6)	(45.8, 67.1)	(50.5, 76.4)	(57.6, 81.3)	(61.7, 89.7)
Ontario	36.5 days	43.6 days	51.5 days	60.5 days	67.9 days	77.6 days	85.2 days
	(32.8, 38.8)	(38.9, 49.4)	(44.3, 60.3)	(51.4, 68.5)	(56.6, 78.1)	(63.8, 85.0)	(69.9, 94.4)
Quebec	14.3 days	17.5 days	21.7 days	26.2 days	30.8 days	37.4 days	42.5 days
	(12.5, 15.8)	(15.7, 21.7)	(18.8, 26.1)	(22.1, 30.8)	(25.6, 37.8)	(30.1, 44.7)	(34.6, 51.3)
Atlantic Canada	13.0 days	16.2 days	20.9 days	26.1 days	31.0 days	37.1 days	44.4 days
	(11.9, 14.6)	(14.9, 20.2)	(17.8, 25.5)	(21.3, 30.5)	(24.4, 37.7)	(29.6, 44.1)	(34.5, 52.3)
Canada's North	3.0 days	3.9 days	5.2 days	6.9 days	8.4 days	10.4 days	13.3 days
	(2.4, 3.8)	(3.0, 5.0)	(3.9, 7.2)	(5.2, 9.7)	(6.7, 12.7)	(7.2, 15.1)	(9.2, 18.4)

Table 8.S8: **SU30**: Number of hot days (Number of days per year with a maximum temperature above 30°C). Region-averaged values for the recent past (+1 °C) climatology and projections at different global warming levels. See Chapter 3, Box 3.1 for an explanation of how global warming levels translate to increases in Canadian average temperatures over different time periods.Projections are based on CanDCS-M6, an ensemble of 26 downscaled and bias-corrected CMIP6 models. The ensemble median is listed, with the 80% uncertainty range in parentheses. Data Source: Sobie et al. (2024).

	+1.0 °C	+1.5 °C	+2.0 °C	+2.5 °C	+3.0 °C	+3.5 °C	+4.0 °C
Canada	2.4 days	3.6 days	5.1 days	7.1 days	9.4 days	12.2 days	15.6 days
	(2.0, 2.9)	(2.5, 4.8)	(3.7, 7.7)	(4.5, 10.5)	(6.1, 14.2)	(7.9, 17.3)	(9.4, 21.5)
British Columbia	1.0 days	1.7 days	2.6 days	3.9 days	5.5 days	8.1 days	11.0 days
	(0.8, 1.4)	(1.2, 2.6)	(1.8, 4.4)	(2.4, 6.3)	(3.7, 9.8)	(5.2, 12.8)	(7.0, 17.0)
Prairies	6.8 days	10.1 days	13.5 days	18.2 days	23.5 days	29.6 days	36.3 days
	(5.7, 8.3)	(7.1, 13.5)	(9.5, 18.9)	(11.7, 25.6)	(14.3, 34.3)	(18.9, 40.6)	(21.7, 48.5)
Ontario	6.0 days	8.6 days	12.9 days	18.2 days	23.7 days	30.4 days	36.3 days
	(4.5, 7.0)	(6.1, 13.2)	(8.9, 17.8)	(12.2, 26.4)	(15.8, 32.3)	(19.8, 40.0)	(23.6, 48.7)
Quebec	1.8 days	2.6 days	4.0 days	5.5 days	7.5 days	10.2 days	12.9 days
	(1.5, 2.4)	(2.0, 4.3)	(2.8, 5.8)	(4.0, 8.7)	(5.1, 11.5)	(6.5, 16.3)	(8.1, 20.7)
Atlantic Canada	1.2 days	1.8 days	2.8 days	3.9 days	5.6 days	7.8 days	10.6 days
	(1.0, 1.5)	(1.4, 3.3)	(2.0, 4.4)	(2.8, 6.4)	(3.9, 9.0)	(5.3, 12.8)	(7.2, 17.3)
Canada's North	0.2 days	0.3 days	0.5 days	0.8 days	1.2 days	1.8 days	2.7 days
	(0.1, 0.3)	(0.2, 0.5)	(0.3, 0.9)	(0.5, 1.6)	(0.6, 2.5)	(0.8, 3.2)	(1.0, 4.6)

Table 8.S9: **TR**: Number of tropical nights (Number of days per year with a minimum temperature above 20°C). Region-averaged values for the recent past (+1 °C) climatology and projections at different global warming levels. See Chapter 3, Box 3.1 for an explanation of how global warming levels translate to increases in Canadian average temperatures over different time periods.Projections are based on CanDCS-M6, an ensemble of 26 downscaled and bias-corrected CMIP6 models. The ensemble median is listed, with the 80% uncertainty range in parentheses. Data Source: Sobie et al. (2024).

	+1.0 °C	+1.5 °C	+2.0 °C	+2.5 °C	+3.0 °C	+3.5 °C	+4.0 °C
Canada	0.2 days	0.4 days	0.7 days	1.2 days	1.9 days	3.0 days	4.4 days
	(0.2, 0.3)	(0.3, 0.6)	(0.5, 1.0)	(0.9, 1.7)	(1.3, 2.9)	(2.1, 4.6)	(3.4, 5.7)
British Columbia	0.0 days	0.0 days	0.0 days	0.0 days	0.0 days	0.1 days	0.2 days
	(0.0, 0.0)	(0.0, 0.0)	(0.0, 0.0)	(0.0, 0.0)	(0.0, 0.1)	(0.0, 0.2)	(0.1, 0.5)
Prairies	0.2 days	0.5 days	1.0 days	1.9 days	3.1 days	5.0 days	8.3 days
	(0.2, 0.3)	(0.3, 0.9)	(0.6, 1.5)	(1.0, 3.2)	(1.8, 5.5)	(3.4, 8.2)	(5.7, 12.1)
Ontario	1.3 days	2.2 days	3.7 days	5.6 days	8.1 days	12.0 days	16.7 days
	(1.0, 1.6)	(1.7, 2.9)	(2.8, 5.0)	(4.3, 7.5)	(5.9, 11.4)	(8.8, 16.0)	(12.9, 20.7)
Quebec	0.3 days	0.5 days	0.8 days	1.3 days	2.1 days	3.3 days	4.5 days
	(0.2, 0.3)	(0.4, 0.7)	(0.6, 1.2)	(1.0, 2.0)	(1.5, 2.9)	(2.4, 5.1)	(3.6, 7.1)
Atlantic Canada	0.2 days	0.4 days	0.8 days	1.5 days	2.6 days	4.5 days	7.1 days
	(0.1, 0.2)	(0.3, 0.7)	(0.5, 1.4)	(1.0, 2.4)	(1.6, 3.9)	(2.6, 6.0)	(4.2, 9.7)
Canada's North	0.0 days	0.0 days	0.0 days	0.0 days	0.1 days	0.2 days	0.3 days
	(0.0, 0.0)	(0.0, 0.0)	(0.0, 0.0)	(0.0, 0.1)	(0.0, 0.2)	(0.1, 0.4)	(0.1, 0.7)

Table 8.S10: **FD**: Number of frost days (Number of days per year with a minimum temperature below 0°C). Region-averaged values for the recent past (+1 °C) climatology and projections at different global warming levels. See Chapter 3, Box 3.1 for an explanation of how global warming levels translate to increases in Canadian average temperatures over different time periods.Projections are based on CanDCS-M6, an ensemble of 26 downscaled and bias-corrected CMIP6 models. The ensemble median is listed, with the 80% uncertainty range in parentheses. Data Source: Sobie et al. (2024).

	+1.0 °C	+1.5 °C	+2.0 °C	+2.5 °C	+3.0 °C	+3.5 °C	+4.0 °C
Canada	229.2 days	221.9 days	214.6 days	208.1 days	200.6 days	194.2 days	186.2 days
	(227.7, 232.0)	(217.7, 225.3)	(208.6, 219.2)	(199.5, 213.6)	(190.1, 208.8)	(179.9, 202.8)	(171.3, 197.9)
British Columbia	200.8 days	191.4 days	182.4 days	172.7 days	162.1 days	153.7 days	144.6 days
	(197.8, 204.1)	(187.6, 195.7)	(173.8, 187.5)	(163.3, 179.1)	(154.3, 171.9)	(145.3, 165.5)	(135.2, 161.0)
Prairies	205.6 days	198.4 days	191.6 days	185.1 days	179.7 days	174.0 days	167.4 days
	(202.8, 208.0)	(195.0, 201.9)	(187.0, 196.0)	(178.5, 190.7)	(172.3, 187.1)	(163.8, 183.3)	(156.7, 178.4)
Ontario	191.7 days	183.5 days	175.8 days	169.4 days	162.5 days	157.4 days	150.3 days
	(188.0, 194.8)	(179.1, 187.2)	(170.7, 181.1)	(160.9, 176.0)	(152.6, 172.2)	(142.1, 166.3)	(136.4, 161.5)
Quebec	216.4 days	208.1 days	200.8 days	193.4 days	185.9 days	179.4 days	170.0 days
	(213.0, 220.0)	(202.0, 213.6)	(191.8, 208.2)	(181.5, 202.3)	(171.5, 197.1)	(160.8, 189.8)	(151.6, 184.7)
Atlantic Canada	191.2 days	182.3 days	173.8 days	165.5 days	156.7 days	149.0 days	143.0 days
	(188.0, 194.5)	(176.9, 187.2)	(162.4, 182.8)	(150.1, 177.0)	(137.5, 170.2)	(126.0, 161.1)	(112.9, 152.7)
Canada's North	267.8 days	260.2 days	253.9 days	247.2 days	239.8 days	233.9 days	226.0 days
	(265.2, 270.4)	(256.0, 265.9)	(245.9, 261.1)	(238.1, 254.7)	(228.6, 249.8)	(218.7, 244.9)	(210.6, 239.6)

Table 8.S11: **ID**: Number of icing days (Number of days per year with a maximum temperature below 0°C). Region-averaged values for the recent past (+1 °C) climatology and projections at different global warming levels. See Chapter 3, Box 3.1 for an explanation of how global warming levels translate to increases in Canadian average temperatures over different time periods.Projections are based on CanDCS-M6, an ensemble of 26 downscaled and bias-corrected CMIP6 models. The ensemble median is listed, with the 80% uncertainty range in parentheses. Data Source: Sobie et al. (2024).

	+1.0 °C	+1.5 °C	+2.0 °C	+2.5 °C	+3.0 °C	+3.5 °C	+4.0 °C
Canada	159.3 days	154.1 days	148.2 days	142.6 days	137.3 days	131.5 days	125.1 days
	(157.2, 161.4)	(150.8, 156.6)	(143.3, 152.9)	(136.8, 148.3)	(130.3, 144.1)	(123.8, 139.0)	(115.7, 133.0)
British Columbia	89.1 days	83.5 days	77.6 days	71.5 days	66.9 days	60.6 days	55.6 days
	(85.5, 91.6)	(79.0, 86.9)	(71.5, 81.6)	(64.9, 77.2)	(60.9, 72.0)	(55.9, 68.8)	(50.7, 63.6)
Prairies	124.3 days	119.8 days	115.8 days	110.7 days	106.4 days	102.3 days	96.9 days
	(121.3, 126.7)	(116.1, 122.5)	(109.8, 119.8)	(104.6, 116.7)	(100.7, 112.9)	(95.1, 108.8)	(90.2, 103.7)
Ontario	116.3 days	109.9 days	104.8 days	99.1 days	93.1 days	86.7 days	82.0 days
	(113.4, 118.6)	(106.0, 113.7)	(98.8, 109.3)	(93.3, 104.3)	(86.2, 99.0)	(80.7, 95.8)	(74.0, 90.4)
Quebec	142.4 days	136.6 days	130.8 days	124.6 days	117.0 days	110.0 days	102.0 days
	(140.1, 145.1)	(130.6, 140.3)	(121.3, 136.9)	(115.0, 131.5)	(107.2, 126.8)	(100.2, 121.4)	(92.2, 115.4)
Atlantic Canada	106.0 days	99.1 days	92.3 days	85.4 days	79.8 days	70.8 days	65.0 days
	(102.4, 109.4)	(93.5, 103.6)	(83.4, 100.5)	(74.9, 94.3)	(67.0, 89.8)	(56.5, 83.2)	(49.7, 77.6)
Canada's North	217.6 days	212.3 days	206.8 days	201.0 days	195.3 days	189.6 days	182.4 days
	(215.5, 219.4)	(208.8, 216.3)	(201.6, 213.0)	(194.2, 208.0)	(187.3, 203.9)	(180.3, 198.4)	(172.5, 191.0)

Table 8.S12: **TX90p**: Percentage of days per year with a maximum temperature greater than the 90th percentile. Region-averaged values for the recent past (+1 °C) climatology and projections at different global warming levels. See Chapter 3, Box 3.1 for an explanation of how global warming levels translate to increases in Canadian average temperatures over different time periods.Projections are expressed as a change relative to the recent past.Projections are based on CanDCS-M6, an ensemble of 26 downscaled and bias-corrected CMIP6 models. The ensemble median is listed, with the 80% uncertainty range in parentheses. Data Source: Sobie et al. (2024).

	+1.0 °C	+1.5 °C	+2.0 °C	+2.5 °C	+3.0 °C	+3.5 °C	+4.0 °C
Canada	14.1 %	4.1 %	8.9 %	14.8 %	20.2 %	26.2 %	33.3 %
	(13.3, 15.4)	(2.8, 5.8)	(7.0, 12.0)	(11.7, 19.4)	(16.7, 26.8)	(22.2, 32.5)	(28.7, 39.6)
British Columbia	14.5 %	4.2 %	8.9 %	14.5 %	20.9 %	27.1 %	35.0 %
	(13.1, 15.5)	(2.3, 6.1)	(6.9, 13.5)	(11.0, 19.2)	(14.1, 25.2)	(17.8, 32.9)	(23.2, 39.5)
Prairies	13.5 %	3.6 %	7.4 %	11.9 %	15.8 %	20.5 %	26.0 %
	(12.2, 15.2)	(1.7, 5.4)	(4.9, 11.0)	(8.2, 16.1)	(11.4, 22.6)	(14.0, 27.6)	(18.9, 32.6)
Ontario	13.8 %	4.0 %	8.1 %	13.1 %	17.5 %	23.0 %	28.0 %
	(12.6, 15.4)	(2.3, 5.8)	(5.9, 11.6)	(9.5, 18.2)	(13.7, 23.5)	(18.0, 29.0)	(22.8, 35.7)
Quebec	14.1 %	4.0 %	8.7 %	14.2 %	19.2 %	26.0 %	33.8 %
	(12.7, 15.7)	(2.0, 6.1)	(5.2, 12.1)	(9.8, 18.4)	(14.0, 26.3)	(20.5, 31.8)	(25.9, 41.0)
Atlantic Canada	14.1 %	3.9 %	8.6 %	13.9 %	18.7 %	23.8 %	31.2 %
	(12.8, 15.1)	(1.8, 6.3)	(5.2, 12.5)	(8.4, 17.6)	(12.6, 25.0)	(17.7, 32.3)	(22.5, 39.8)
Canada's North	14.7 %	4.6 %	10.4 %	17.5 %	23.9 %	30.2 %	38.4 %
	(13.3, 16.4)	(2.5, 6.7)	(7.6, 14.0)	(13.7, 21.6)	(20.5, 30.6)	(27.3, 37.1)	(34.9, 44.9)

Table 8.S13: **TX10p**: Percentage of days per year with a maximum temperature less than the 10th percentile. Region-averaged values for the recent past (+1 °C) climatology and projections at different global warming levels. See Chapter 3, Box 3.1 for an explanation of how global warming levels translate to increases in Canadian average temperatures over different time periods.Projections are expressed as a change relative to the recent past.Projections are based on CanDCS-M6, an ensemble of 26 downscaled and bias-corrected CMIP6 models. The ensemble median is listed, with the 80% uncertainty range in parentheses. Data Source: Sobie et al. (2024).

	+1.0 °C	+1.5 °C	+2.0 °C	+2.5 °C	+3.0 °C	+3.5 °C	+4.0 °C
Canada	6.6 %	-2.3 %	-3.6 %	-4.8 %	-5.4 %	-5.8 %	-6.1 %
	(5.9, 7.2)	(-3.0, -1.5)	(-4.5, -2.9)	(-5.3, -4.0)	(-5.9, -4.7)	(-6.1, -5.1)	(-6.3, -5.4)
British Columbia	7.7 %	-2.2 %	-3.5 %	-4.6 %	-5.4 %	-6.2 %	-6.5 %
	(6.2, 8.4)	(-3.2, -0.8)	(-4.7, -2.3)	(-5.8, -3.5)	(-6.3, -4.1)	(-7.0, -4.6)	(-7.5, -5.0)
Prairies	7.7 %	-2.1 %	-3.6 %	-4.8 %	-5.6 %	-6.2 %	-6.6 %
	(6.7, 8.3)	(-2.9, -1.0)	(-4.5, -2.6)	(-5.6, -3.9)	(-6.2, -4.7)	(-6.8, -5.2)	(-7.1, -5.6)
Ontario	6.8 %	-2.4 %	-3.8 %	-4.9 %	-5.4 %	-6.0 %	-6.2 %
	(5.8, 7.5)	(-2.8, -1.4)	(-4.6, -3.1)	(-5.5, -4.3)	(-6.0, -4.9)	(-6.5, -5.3)	(-6.7, -5.7)
Quebec	6.0 %	-2.4 %	-3.8 %	-4.7 %	-5.2 %	-5.5 %	-5.6 %
	(5.2, 7.3)	(-3.1, -1.3)	(-4.8, -2.8)	(-5.7, -3.8)	(-6.3, -4.2)	(-6.7, -4.7)	(-6.9, -4.9)
Atlantic Canada	6.1 %	-2.3 %	-3.7 %	-4.7 %	-5.2 %	-5.6 %	-5.6 %
	(5.1, 7.3)	(-3.0, -1.1)	(-4.6, -2.3)	(-5.4, -3.4)	(-6.0, -3.9)	(-6.3, -4.5)	(-6.5, -4.6)
Canada's North	6.0 %	-2.4 %	-3.7 %	-4.6 %	-5.1 %	-5.4 %	-5.6 %
	(5.2, 6.9)	(-3.3, -1.4)	(-4.7, -2.9)	(-5.4, -4.1)	(-5.8, -4.5)	(-6.2, -4.7)	(-6.1, -5.0)

Table 8.S14: **TN90p**: Percentage of days per year with a minimum temperature greater than the 90th percentile. Region-averaged values for the recent past (+1 °C) climatology and projections at different global warming levels. See Chapter 3, Box 3.1 for an explanation of how global warming levels translate to increases in Canadian average temperatures over different time periods.Projections are expressed as a change relative to the recent past.Projections are based on CanDCS-M6, an ensemble of 26 downscaled and bias-corrected CMIP6 models. The ensemble median is listed, with the 80% uncertainty range in parentheses. Data Source: Sobie et al. (2024).

	+1.0 °C	+1.5 °C	+2.0 °C	+2.5 °C	+3.0 °C	+3.5 °C	+4.0 °C
Canada	15.4 %	5.7 %	12.8 %	20.5 %	28.3 %	35.1 %	44.2 %
	(14.3, 16.8)	(3.9, 7.4)	(9.5, 16.0)	(16.5, 24.7)	(23.4, 33.8)	(30.2, 41.7)	(37.2, 50.3)
British Columbia	16.3 %	6.8 %	14.9 %	23.8 %	32.3 %	39.9 %	47.7 %
	(14.6, 17.7)	(4.6, 9.3)	(11.9, 18.2)	(19.0, 28.1)	(25.5, 36.8)	(32.9, 46.4)	(38.5, 54.5)
Prairies	14.6 %	4.9 %	10.8 %	17.3 %	24.2 %	30.8 %	38.2 %
	(13.3, 16.0)	(3.5, 6.8)	(8.8, 14.2)	(14.5, 21.2)	(20.3, 28.5)	(25.7, 35.9)	(31.9, 43.5)
Ontario	14.2 %	4.3 %	9.0 %	14.5 %	20.6 %	27.1 %	34.6 %
	(12.8, 15.7)	(2.7, 5.8)	(7.1, 11.3)	(12.3, 17.3)	(16.5, 24.5)	(22.0, 31.8)	(26.4, 39.0)
Quebec	15.0 %	5.0 %	11.0 %	16.8 %	24.9 %	32.4 %	40.5 %
	(13.2, 16.9)	(2.5, 7.1)	(6.7, 14.7)	(12.1, 22.9)	(16.5, 32.1)	(25.0, 40.1)	(31.4, 49.0)
Atlantic Canada	15.4 %	5.0 %	11.4 %	17.5 %	25.0 %	31.9 %	39.8 %
	(13.7, 17.2)	(1.9, 7.6)	(6.2, 15.6)	(10.7, 23.4)	(15.7, 33.6)	(23.1, 41.3)	(28.6, 50.8)
Canada's North	16.2 %	6.2 %	15.0 %	24.2 %	33.0 %	41.0 %	50.1 %
	(14.5, 17.8)	(3.9, 9.0)	(10.5, 19.2)	(18.8, 29.2)	(27.0, 39.8)	(35.1, 48.3)	(43.0, 56.7)

Table 8.S15: **TN10p**: Percentage of days per year with a minimum temperature less than the 10th percentile. Region-averaged values for the recent past (+1 °C) climatology and projections at different global warming levels. See Chapter 3, Box 3.1 for an explanation of how global warming levels translate to increases in Canadian average temperatures over different time periods.Projections are expressed as a change relative to the recent past.Projections are based on CanDCS-M6, an ensemble of 26 downscaled and bias-corrected CMIP6 models. The ensemble median is listed, with the 80% uncertainty range in parentheses. Data Source: Sobie et al. (2024).

	+1.0 °C	+1.5 °C	+2.0 °C	+2.5 °C	+3.0 °C	+3.5 °C	+4.0 °C
Canada	6.0 %	-2.4 %	-3.8 %	-4.7 %	-5.2 %	-5.6 %	-5.8 %
	(5.4, 7.0)	(-3.1, -1.6)	(-4.6, -3.1)	(-5.3, -4.0)	(-5.7, -4.5)	(-6.0, -4.8)	(-6.2, -5.1)
British Columbia	7.1 %	-2.2 %	-3.6 %	-4.7 %	-5.3 %	-5.9 %	-6.3 %
	(5.8, 8.1)	(-3.4, -0.9)	(-5.0, -2.6)	(-5.9, -3.6)	(-6.5, -4.3)	(-7.1, -4.8)	(-7.5, -5.2)
Prairies	7.0 %	-2.3 %	-3.8 %	-4.9 %	-5.6 %	-6.1 %	-6.3 %
	(6.1, 7.9)	(-3.1, -1.2)	(-4.8, -2.8)	(-5.8, -4.0)	(-6.4, -4.8)	(-6.8, -5.2)	(-7.3, -5.5)
Ontario	6.4 %	-2.5 %	-4.0 %	-5.0 %	-5.6 %	-6.0 %	-6.1 %
	(5.6, 7.5)	(-3.1, -1.6)	(-4.7, -3.2)	(-5.7, -4.2)	(-6.3, -4.7)	(-6.7, -5.2)	(-7.1, -5.4)
Quebec	5.5 %	-2.4 %	-3.8 %	-4.6 %	-5.0 %	-5.2 %	-5.3 %
	(4.8, 6.9)	(-3.2, -1.4)	(-5.0, -2.8)	(-5.6, -3.8)	(-6.1, -4.0)	(-6.4, -4.5)	(-6.6, -4.6)
Atlantic Canada	5.6 %	-2.5 %	-3.8 %	-4.6 %	-5.0 %	-5.4 %	-5.2 %
	(4.5, 6.5)	(-3.2, -1.1)	(-4.7, -2.0)	(-5.3, -3.4)	(-5.9, -3.8)	(-6.1, -4.3)	(-6.3, -4.2)
Canada's North	5.4 %	-2.5 %	-3.7 %	-4.4 %	-4.8 %	-4.9 %	-5.0 %
	(4.8, 6.5)	(-3.5, -1.6)	(-4.7, -2.9)	(-5.3, -3.7)	(-5.7, -4.2)	(-5.8, -4.2)	(-5.8, -4.6)

Table 8.S16: **WSDI**: Warm spell duration index (Annual count of days with at least six consecutive days when the maximum temperature is greater than the 90th percentile). Region-averaged values for the recent past (+1 °C) climatology and projections at different global warming levels. See Chapter 3, Box 3.1 for an explanation of how global warming levels translate to increases in Canadian average temperatures over different time periods.Projections are based on CanDCS-M6, an ensemble of 26 downscaled and bias-corrected CMIP6 models. The ensemble median is listed, with the 80% uncertainty range in parentheses. Data Source: Sobie et al. (2024).

	+1.0 °C	+1.5 °C	+2.0 °C	+2.5 °C	+3.0 °C	+3.5 °C	+4.0 °C
Canada	14.0 days	21.8 days	33.6 days	50.1 days	68.0 days	89.9 days	115.9 days
	(11.8, 16.0)	(18.0, 28.0)	(28.5, 44.2)	(41.9, 67.6)	(56.8, 93.2)	(74.0, 116.8)	(100.0, 145.8)
British Columbia	17.0 days	25.0 days	37.5 days	53.1 days	73.3 days	96.2 days	122.9 days
	(12.2, 20.5)	(19.6, 34.3)	(29.1, 52.4)	(41.1, 72.9)	(54.3, 96.0)	(65.6, 123.9)	(82.8, 155.5)
Prairies	11.4 days	17.6 days	25.2 days	37.1 days	49.6 days	63.0 days	84.8 days
	(8.5, 14.1)	(13.0, 24.4)	(19.9, 38.4)	(26.6, 53.4)	(36.0, 73.1)	(44.3, 94.6)	(55.1, 114.9)
Ontario	9.9 days	15.9 days	24.5 days	36.0 days	48.7 days	66.9 days	85.2 days
	(7.0, 12.8)	(12.5, 22.2)	(18.3, 33.8)	(25.5, 50.2)	(36.1, 69.7)	(46.2, 91.2)	(62.5, 114.2)
Quebec	10.2 days	16.7 days	25.9 days	39.8 days	57.1 days	78.0 days	110.7 days
	(7.3, 13.5)	(11.8, 23.3)	(17.6, 38.7)	(26.2, 54.0)	(38.1, 80.1)	(55.6, 105.5)	(73.3, 137.4)
Atlantic Canada	7.4 days	11.6 days	19.8 days	30.6 days	44.3 days	61.1 days	88.0 days
	(4.3, 9.5)	(7.3, 17.6)	(12.2, 29.3)	(16.5, 41.9)	(24.7, 64.6)	(37.4, 87.4)	(53.3, 118.7)
Canada's North	17.5 days	28.3 days	44.4 days	68.0 days	91.6 days	116.0 days	148.1 days
	(13.6, 20.4)	(21.9, 36.3)	(35.4, 58.1)	(53.7, 86.1)	(74.5, 117.2)	(101.0, 144.9)	(132.0, 178.5)

Table 8.S17: **CSDI**: Cold spell duration index (Annual count of days with at least six consecutive days when the minimum temperature is below the 10th percentile). Region-averaged values for the recent past (+1 °C) climatology and projections at different global warming levels. See Chapter 3, Box 3.1 for an explanation of how global warming levels translate to increases in Canadian average temperatures over different time periods.Projections are based on CanDCS-M6, an ensemble of 26 downscaled and bias-corrected CMIP6 models. The ensemble median is listed, with the 80% uncertainty range in parentheses. Data Source: Sobie et al. (2024).

	+1.0 °C	+1.5 °C	+2.0 °C	+2.5 °C	+3.0 °C	+3.5 °C	+4.0 °C
Canada	2.0 days	1.0 days	0.6 days	0.3 days	0.2 days	0.1 days	0.1 days
	(1.4, 2.8)	(0.7, 1.6)	(0.3, 0.9)	(0.1, 0.6)	(0.0, 0.4)	(0.0, 0.3)	(0.0, 0.2)
British Columbia	4.4 days	3.2 days	2.1 days	1.3 days	0.8 days	0.6 days	0.4 days
	(2.9, 6.6)	(1.6, 4.8)	(1.0, 3.5)	(0.5, 2.4)	(0.2, 2.0)	(0.1, 1.4)	(0.0, 1.0)
Prairies	2.8 days	1.6 days	0.8 days	0.5 days	0.3 days	0.2 days	0.1 days
	(1.6, 3.9)	(1.0, 2.6)	(0.4, 1.4)	(0.2, 0.9)	(0.1, 0.7)	(0.0, 0.5)	(0.0, 0.3)
Ontario	0.8 days	0.3 days	0.1 days	0.0 days	0.0 days	0.0 days	0.0 days
	(0.4, 1.6)	(0.2, 0.7)	(0.0, 0.4)	(0.0, 0.2)	(0.0, 0.1)	(0.0, 0.0)	(0.0, 0.0)
Quebec	0.5 days	0.1 days	0.0 days	0.0 days	0.0 days	0.0 days	0.0 days
	(0.2, 0.8)	(0.0, 0.4)	(0.0, 0.1)	(0.0, 0.1)	(0.0, 0.0)	(0.0, 0.0)	(0.0, 0.0)
Atlantic Canada	0.4 days	0.2 days	0.0 days	0.0 days	0.0 days	0.0 days	0.0 days
	(0.2, 1.0)	(0.0, 0.4)	(0.0, 0.2)	(0.0, 0.1)	(0.0, 0.0)	(0.0, 0.0)	(0.0, 0.0)
Canada's North	2.2 days	0.9 days	0.4 days	0.1 days	0.1 days	0.0 days	0.0 days
	(1.4, 3.0)	(0.5, 1.4)	(0.2, 0.8)	(0.0, 0.4)	(0.0, 0.2)	(0.0, 0.1)	(0.0, 0.1)

Table 8.S18: **GSL**: Growing season length (span of days between the first set of six consecutive days with mean temperatures above 5 °C and first set of six consecutive days with meant temperatures below 5 °C). Region-averaged values for the recent past (+1 °C) climatology and projections at different global warming levels. See Chapter 3, Box 3.1 for an explanation of how global warming levels translate to increases in Canadian average temperatures over different time periods.Projections are based on CanDCS-M6, an ensemble of 26 downscaled and bias-corrected CMIP6 models. The ensemble median is listed, with the 80% uncertainty range in parentheses. Data Source: Sobie et al. (2024).

	+1.0 °C	+1.5 °C	+2.0 °C	+2.5 °C	+3.0 °C	+3.5 °C	+4.0 °C
Canada	117.8 days	125.1 days	132.8 days	140.0 days	145.9 days	151.2 days	159.3 days
	(115.2, 120.4)	(121.9, 129.7)	(127.5, 138.7)	(133.5, 146.9)	(139.2, 154.9)	(144.9, 162.4)	(150.2, 172.5)
British Columbia	159.1 days	167.4 days	175.3 days	183.3 days	191.4 days	198.3 days	205.6 days
	(153.9, 162.8)	(162.9, 172.0)	(170.0, 180.6)	(177.5, 189.2)	(184.3, 197.8)	(189.8, 203.8)	(195.6, 211.0)
Prairies	162.7 days	169.4 days	175.4 days	180.4 days	186.2 days	190.6 days	197.0 days
	(159.7, 166.8)	(165.4, 174.1)	(171.6, 180.6)	(176.5, 187.5)	(179.7, 193.1)	(183.6, 198.0)	(189.5, 202.4)
Ontario	168.3 days	176.3 days	182.8 days	189.0 days	193.6 days	200.3 days	205.9 days
	(164.8, 172.7)	(171.5, 181.8)	(178.0, 187.9)	(182.2, 196.6)	(185.1, 204.7)	(191.8, 208.7)	(196.5, 213.1)
Quebec	132.0 days	140.9 days	149.4 days	154.7 days	162.2 days	167.4 days	175.2 days
	(128.2, 136.8)	(136.0, 146.8)	(142.1, 156.5)	(147.5, 164.8)	(153.2, 174.6)	(160.7, 182.4)	(168.5, 191.7)
Atlantic Canada	150.6 days	158.4 days	166.4 days	173.6 days	180.1 days	185.8 days	195.1 days
	(146.7, 154.4)	(154.1, 164.2)	(159.2, 173.8)	(164.5, 183.7)	(170.8, 193.8)	(179.8, 204.3)	(186.9, 214.1)
Canada's North	63.4 days	70.8 days	78.8 days	87.5 days	94.9 days	100.0 days	109.6 days
	(59.7, 67.8)	(64.7, 78.3)	(69.9, 88.9)	(77.2, 98.3)	(83.9, 106.7)	(91.3, 112.7)	(97.1, 124.8)

Table 8.S19: **DTR**: Daily temperature range. Region-averaged values for the recent past (+1 °C) climatology and projections at different global warming levels. See Chapter 3, Box 3.1 for an explanation of how global warming levels translate to increases in Canadian average temperatures over different time periods.Projections are expressed as a change relative to the recent past.Projections are based on CanDCS-M6, an ensemble of 26 downscaled and bias-corrected CMIP6 models. The ensemble median is listed, with the 80% uncertainty range in parentheses. Data Source: Sobie et al. (2024).

	+1.0 °C	+1.5 °C	+2.0 °C	+2.5 °C	+3.0 °C	+3.5 °C	+4.0 °C
Canada	9.1 °C	-0.1 °C	-0.2 °C	-0.3 °C	-0.4 °C	-0.5 °C	-0.5 °C
	(9.1, 9.3)	(-0.2, 0.0)	(-0.3, -0.0)	(-0.5, -0.1)	(-0.5, -0.1)	(-0.8, -0.1)	(-0.9, -0.1)
British Columbia	9.7 °C	-0.0 °C	-0.1 °C	-0.1 °C	-0.1 °C	-0.2 °C	-0.2 °C
	(9.6, 9.8)	(-0.2, 0.1)	(-0.3, 0.1)	(-0.4, 0.0)	(-0.6, 0.0)	(-0.7, 0.1)	(-0.8, 0.1)
Prairies	11.1 °C	-0.0 °C	-0.2 °C	-0.2 °C	-0.3 °C	-0.4 °C	-0.4 °C
	(11.0, 11.3)	(-0.3, 0.1)	(-0.4, 0.1)	(-0.5, 0.1)	(-0.7, -0.0)	(-0.8, -0.0)	(-0.9, 0.1)
Ontario	10.6 °C	-0.1 °C	-0.2 °C	-0.2 °C	-0.3 °C	-0.3 °C	-0.5 °C
	(10.5, 10.9)	(-0.3, 0.2)	(-0.4, 0.1)	(-0.5, 0.1)	(-0.7, 0.1)	(-0.9, -0.0)	(-1.0, 0.1)
Quebec	9.3 °C	-0.1 °C	-0.2 °C	-0.3 °C	-0.4 °C	-0.5 °C	-0.6 °C
	(9.2, 9.4)	(-0.3, 0.1)	(-0.4, 0.1)	(-0.6, 0.0)	(-0.7, -0.0)	(-0.9, -0.2)	(-1.1, -0.1)
Atlantic Canada	8.5 °C	-0.1 °C	-0.2 °C	-0.2 °C	-0.3 °C	-0.4 °C	-0.4 °C
	(8.4, 8.6)	(-0.2, 0.1)	(-0.3, 0.1)	(-0.5, -0.0)	(-0.6, -0.0)	(-0.7, -0.1)	(-0.8, -0.1)
Canada's North	7.8 °C	-0.1 °C	-0.2 °C	-0.3 °C	-0.5 °C	-0.6 °C	-0.7 °C
	(7.7, 7.9)	(-0.2, -0.0)	(-0.3, -0.1)	(-0.5, -0.1)	(-0.6, -0.2)	(-0.8, -0.2)	(-1.0, -0.2)

Table 8.S20: **RX1Day**: Annual maximum one-day precipitation. Region-averaged values for the recent past (+1 °C) climatology and projections at different global warming levels. See Chapter 3, Box 3.1 for an explanation of how global warming levels translate to increases in Canadian average temperatures over different time periods.Projections are expressed as a percent change relative to the recent past.Projections are based on CanDCS-M6, an ensemble of 26 downscaled and bias-corrected CMIP6 models. The ensemble median is listed, with the 80% uncertainty range in parentheses. Data Source: Sobie et al. (2024).

	+1.0 °C	+1.5 °C	+2.0 °C	+2.5 °C	+3.0 °C	+3.5 °C	+4.0 °C
Canada	23.9 mm	4.5 %	7.7 %	10.8 %	13.5 %	16.6 %	20.7 %
	(23.5, 24.2)	(2.3, 6.4)	(5.2, 10.4)	(8.6, 13.0)	(10.8, 17.3)	(14.1, 21.4)	(16.5, 25.0)
British Columbia	36.6 mm	3.4 %	6.6 %	9.8 %	11.7 %	14.8 %	18.6 %
	(35.4, 37.5)	(-0.0, 8.4)	(2.0, 12.2)	(5.1, 15.8)	(7.0, 18.5)	(9.9, 22.2)	(13.6, 25.6)
Prairies	26.0 mm	2.9 %	5.4 %	6.8 %	9.0 %	10.4 %	12.9 %
	(25.1, 26.8)	(-1.3, 7.7)	(0.1, 9.8)	(-0.0, 12.1)	(1.5, 15.2)	(1.9, 18.8)	(5.2, 22.9)
Ontario	30.1 mm	4.7 %	8.1 %	9.9 %	11.4 %	14.5 %	17.1 %
	(28.9, 31.0)	(-0.3, 8.7)	(2.4, 12.3)	(5.7, 16.1)	(7.2, 18.0)	(7.6, 21.8)	(12.4, 23.6)
Quebec	27.2 mm	5.3 %	8.6 %	11.9 %	14.8 %	19.1 %	22.4 %
	(26.3, 27.8)	(2.6, 8.7)	(5.2, 13.8)	(8.6, 16.3)	(11.0, 20.4)	(14.6, 22.7)	(17.0, 26.9)
Atlantic Canada	39.1 mm	4.8 %	8.6 %	12.2 %	14.9 %	18.5 %	22.5 %
	(38.4, 40.1)	(2.1, 7.7)	(5.3, 12.3)	(8.1, 15.8)	(11.2, 19.8)	(14.7, 24.9)	(17.2, 26.8)
Canada's North	14.8 mm	5.2 %	9.7 %	13.5 %	18.2 %	22.1 %	28.4 %
	(14.3, 15.1)	(2.4, 8.4)	(5.8, 14.1)	(9.9, 17.8)	(14.0, 22.4)	(17.1, 28.1)	(20.5, 31.6)

Table 8.S21: **RX2Day**: Annual maximum two-day precipitation. Region-averaged values for the recent past (+1 °C) climatology and projections at different global warming levels. See Chapter 3, Box 3.1 for an explanation of how global warming levels translate to increases in Canadian average temperatures over different time periods.Projections are expressed as a percent change relative to the recent past.Projections are based on CanDCS-M6, an ensemble of 26 downscaled and bias-corrected CMIP6 models. The ensemble median is listed, with the 80% uncertainty range in parentheses. Data Source: Sobie et al. (2024).

	+1.0 °C	+1.5 °C	+2.0 °C	+2.5 °C	+3.0 °C	+3.5 °C	+4.0 °C
Canada	33.1 mm	4.3 %	7.6 %	10.3 %	13.2 %	15.5 %	19.1 %
	(32.6, 33.8)	(2.2, 6.5)	(5.0, 10.1)	(8.1, 13.2)	(10.4, 16.3)	(12.6, 20.6)	(15.4, 24.0)
British Columbia	54.7 mm	3.1 %	6.3 %	8.9 %	11.4 %	13.6 %	16.9 %
	(53.0, 56.2)	(-0.5, 7.7)	(1.8, 11.1)	(4.9, 14.4)	(6.6, 17.1)	(9.1, 20.8)	(12.9, 25.9)
Prairies	35.6 mm	3.0 %	5.2 %	6.1 %	8.1 %	10.9 %	12.0 %
	(34.4, 36.8)	(-2.0, 8.1)	(-0.5, 9.7)	(-0.8, 12.6)	(1.3, 15.2)	(-0.2, 18.0)	(3.3, 22.4)
Ontario	40.4 mm	4.6 %	8.1 %	9.9 %	11.4 %	15.0 %	18.0 %
	(39.3, 41.5)	(0.6, 9.4)	(2.4, 13.1)	(4.7, 16.0)	(7.0, 17.9)	(8.3, 20.8)	(10.5, 23.4)
Quebec	37.4 mm	5.4 %	8.4 %	11.1 %	14.3 %	17.8 %	20.9 %
	(36.3, 38.3)	(2.1, 8.9)	(4.6, 13.3)	(7.9, 16.0)	(10.6, 20.4)	(12.7, 22.4)	(16.2, 25.7)
Atlantic Canada	52.5 mm	4.7 %	8.6 %	11.7 %	14.0 %	17.9 %	21.1 %
	(51.2, 54.0)	(1.4, 8.2)	(4.4, 11.8)	(6.9, 15.5)	(10.2, 19.7)	(14.3, 23.4)	(16.4, 26.2)
Canada's North	20.7 mm	4.6 %	9.0 %	13.0 %	17.7 %	21.2 %	27.2 %
	(20.2, 21.1)	(2.2, 7.9)	(5.8, 13.3)	(9.5, 16.9)	(13.4, 21.3)	(16.6, 26.8)	(19.9, 30.1)

Table 8.S22: **RX5Day**: Annual maximum five-day precipitation. Region-averaged values for the recent past (+1 °C) climatology and projections at different global warming levels. See Chapter 3, Box 3.1 for an explanation of how global warming levels translate to increases in Canadian average temperatures over different time periods.Projections are expressed as a percent change relative to the recent past.Projections are based on CanDCS-M6, an ensemble of 26 downscaled and bias-corrected CMIP6 models. The ensemble median is listed, with the 80% uncertainty range in parentheses. Data Source: Sobie et al. (2024).

	+1.0 °C	+1.5 °C	+2.0 °C	+2.5 °C	+3.0 °C	+3.5 °C	+4.0 °C
Canada	46.9 mm	3.7 %	6.7 %	9.3 %	12.0 %	14.4 %	17.6 %
	(46.1, 48.1)	(1.7, 5.8)	(4.1, 9.1)	(6.9, 12.5)	(9.3, 15.6)	(11.0, 19.5)	(13.7, 22.8)
British Columbia	87.3 mm	2.7 %	5.9 %	9.1 %	11.2 %	13.3 %	16.1 %
	(84.0, 90.3)	(-1.2, 6.0)	(0.7, 9.3)	(4.1, 12.7)	(5.8, 16.2)	(7.4, 18.0)	(10.0, 22.5)
Prairies	47.4 mm	2.9 %	4.7 %	5.5 %	7.3 %	8.4 %	12.0 %
	(46.3, 50.3)	(-2.0, 7.5)	(-1.1, 9.7)	(-1.6, 12.3)	(-1.4, 13.9)	(-1.7, 17.4)	(1.2, 22.0)
Ontario	55.1 mm	4.3 %	7.4 %	8.2 %	10.8 %	13.2 %	15.2 %
	(52.8, 56.9)	(0.4, 8.3)	(1.4, 11.3)	(3.8, 15.0)	(5.8, 16.2)	(7.4, 18.7)	(7.3, 22.7)
Quebec	53.0 mm	4.7 %	7.8 %	10.2 %	12.9 %	16.3 %	19.3 %
	(51.1, 55.2)	(1.6, 7.8)	(3.5, 11.6)	(5.6, 14.5)	(8.6, 18.8)	(11.1, 21.9)	(14.4, 24.7)
Atlantic Canada	72.2 mm	4.4 %	7.6 %	9.9 %	12.2 %	16.3 %	18.6 %
	(70.1, 74.8)	(0.9, 7.6)	(3.2, 11.6)	(6.2, 13.8)	(7.7, 17.7)	(11.0, 19.5)	(13.7, 24.3)
Canada's North	29.2 mm	4.2 %	8.7 %	12.4 %	16.5 %	20.5 %	26.3 %
	(28.3, 30.2)	(1.7, 7.5)	(5.2, 12.7)	(9.1, 16.3)	(12.2, 20.7)	(15.5, 25.9)	(19.6, 29.5)

Table 8.S23: **R10mm**: Number of days per year with one-day precipitation greater than 10mm. Region-averaged values for the recent past (+1 °C) climatology and projections at different global warming levels. See Chapter 3, Box 3.1 for an explanation of how global warming levels translate to increases in Canadian average temperatures over different time periods.Projections are based on CanDCS-M6, an ensemble of 26 downscaled and bias-corrected CMIP6 models. The ensemble median is listed, with the 80% uncertainty range in parentheses. Data Source: Sobie et al. (2024).

	+1.0 °C	+1.5 °C	+2.0 °C	+2.5 °C	+3.0 °C	+3.5 °C	+4.0 °C
Canada	12.5 days	13.1 days	13.7 days	14.1 days	14.5 days	15.1 days	15.8 days
	(12.2, 12.7)	(12.6, 13.7)	(13.1, 14.6)	(13.6, 15.1)	(13.9, 15.7)	(14.2, 16.6)	(14.7, 17.3)
British Columbia	34.5 days	35.6 days	36.8 days	37.6 days	38.3 days	38.7 days	40.4 days
	(33.5, 35.7)	(34.2, 36.8)	(35.0, 38.8)	(35.6, 39.4)	(36.0, 40.6)	(36.2, 41.6)	(36.4, 42.5)
Prairies	7.9 days	8.2 days	8.6 days	8.7 days	8.8 days	9.3 days	9.5 days
	(7.5, 8.3)	(7.5, 9.1)	(7.8, 9.8)	(7.8, 10.2)	(7.8, 10.6)	(8.0, 11.3)	(8.3, 11.7)
Ontario	17.2 days	18.0 days	19.0 days	19.2 days	19.6 days	20.0 days	20.9 days
	(16.3, 17.7)	(17.0, 19.5)	(17.3, 20.4)	(17.4, 20.9)	(18.2, 21.5)	(18.6, 23.0)	(18.9, 23.9)
Quebec	18.8 days	20.3 days	21.4 days	22.1 days	23.3 days	24.3 days	24.9 days
	(18.3, 19.5)	(19.1, 21.4)	(20.3, 22.8)	(21.0, 23.6)	(21.6, 25.1)	(22.4, 26.2)	(23.5, 27.7)
Atlantic Canada	33.5 days	35.2 days	36.6 days	37.5 days	38.2 days	39.4 days	40.2 days
	(32.5, 34.5)	(33.7, 36.9)	(34.7, 38.5)	(36.1, 39.0)	(36.4, 40.0)	(36.9, 41.2)	(38.6, 42.3)
Canada's North	2.7 days	3.0 days	3.2 days	3.6 days	3.9 days	4.2 days	4.7 days
	(2.6, 2.8)	(2.8, 3.2)	(3.1, 3.5)	(3.3, 3.8)	(3.6, 4.2)	(3.8, 4.8)	(4.1, 5.1)

Table 8.S24: **R20mm**: Number of days per year with one-day precipitation greater than 20mm. Region-averaged values for the recent past (+1 °C) climatology and projections at different global warming levels. See Chapter 3, Box 3.1 for an explanation of how global warming levels translate to increases in Canadian average temperatures over different time periods.Projections are based on CanDCS-M6, an ensemble of 26 downscaled and bias-corrected CMIP6 models. The ensemble median is listed, with the 80% uncertainty range in parentheses. Data Source: Sobie et al. (2024).

	+1.0 °C	+1.5 °C	+2.0 °C	+2.5 °C	+3.0 °C	+3.5 °C	+4.0 °C
Canada	2.8 days	3.0 days	3.2 days	3.4 days	3.6 days	3.8 days	4.0 days
	(2.7, 2.9)	(2.9, 3.2)	(3.1, 3.4)	(3.2, 3.6)	(3.3, 3.9)	(3.5, 4.1)	(3.7, 4.4)
British Columbia	11.6 days	12.1 days	12.7 days	13.2 days	13.5 days	14.0 days	14.5 days
	(11.1, 12.1)	(11.6, 12.8)	(12.1, 13.5)	(12.3, 14.0)	(12.6, 14.6)	(12.7, 15.1)	(13.0, 15.5)
Prairies	1.4 days	1.5 days	1.6 days	1.6 days	1.7 days	1.8 days	1.8 days
	(1.2, 1.5)	(1.3, 1.7)	(1.4, 1.9)	(1.3, 1.9)	(1.3, 2.1)	(1.4, 2.3)	(1.4, 2.5)
Ontario	3.0 days	3.4 days	3.7 days	3.9 days	4.0 days	4.2 days	4.6 days
	(2.8, 3.3)	(3.0, 3.7)	(3.1, 4.1)	(3.3, 4.4)	(3.5, 4.6)	(3.7, 5.0)	(3.8, 5.4)
Quebec	2.9 days	3.3 days	3.7 days	4.0 days	4.3 days	4.6 days	5.0 days
	(2.8, 3.1)	(3.0, 3.6)	(3.3, 4.1)	(3.6, 4.4)	(3.9, 4.8)	(4.2, 5.2)	(4.6, 5.5)
Atlantic Canada	8.3 days	9.1 days	9.9 days	10.4 days	10.8 days	11.6 days	12.1 days
	(7.9, 8.6)	(8.5, 9.9)	(9.1, 10.7)	(9.9, 11.1)	(10.2, 11.8)	(10.8, 12.3)	(11.5, 13.0)
Canada's North	0.4 days	0.5 days	0.5 days	0.6 days	0.6 days	0.7 days	0.8 days
	(0.4, 0.5)	(0.5, 0.5)	(0.5, 0.6)	(0.6, 0.6)	(0.6, 0.7)	(0.6, 0.8)	(0.7, 0.8)

Table 8.S25: **R95p**: Annual total precipitation from days with precipitation over the 95th percentile. Region-averaged values for the recent past (+1 °C) climatology and projections at different global warming levels. See Chapter 3, Box 3.1 for an explanation of how global warming levels translate to increases in Canadian average temperatures over different time periods.Projections are expressed as a change relative to the recent past.Projections are based on CanDCS-M6, an ensemble of 26 downscaled and bias-corrected CMIP6 models. The ensemble median is listed, with the 80% uncertainty range in parentheses. Data Source: Sobie et al. (2024).

	+1.0 °C	+1.5 °C	+2.0 °C	+2.5 °C	+3.0 °C	+3.5 °C	+4.0 °C
Canada	126.1 mm	12.8 mm	24.6 mm	34.8 mm	45.0 mm	54.3 mm	68.7 mm
	(122.8, 129.8)	(7.4, 19.6)	(15.6, 34.8)	(25.6, 45.1)	(32.7, 58.0)	(41.6, 76.0)	(53.6, 90.7)
British Columbia	248.2 mm	21.1 mm	44.0 mm	69.4 mm	85.1 mm	102.3 mm	124.2 mm
	(230.0, 262.0)	(4.8, 42.9)	(21.5, 68.7)	(40.0, 89.3)	(56.5, 115.5)	(71.2, 144.5)	(98.1, 188.2)
Prairies	103.4 mm	6.2 mm	13.1 mm	15.3 mm	18.3 mm	26.4 mm	27.8 mm
	(97.4, 110.4)	(-4.8, 17.6)	(2.0, 24.8)	(0.8, 33.0)	(1.4, 41.7)	(2.7, 54.0)	(7.8, 61.9)
Ontario	164.1 mm	14.7 mm	30.1 mm	37.6 mm	42.4 mm	50.1 mm	67.4 mm
	(154.0, 175.0)	(0.4, 31.8)	(6.7, 50.1)	(14.5, 56.6)	(21.2, 71.4)	(28.9, 92.0)	(38.2, 114.1)
Quebec	180.1 mm	22.8 mm	40.4 mm	54.6 mm	72.1 mm	88.7 mm	109.5 mm
	(172.2, 188.9)	(8.0, 34.4)	(25.7, 57.6)	(36.4, 73.9)	(50.9, 96.6)	(62.2, 119.6)	(81.0, 141.3)
Atlantic Canada	250.2 mm	31.4 mm	57.3 mm	78.9 mm	97.1 mm	117.8 mm	144.4 mm
	(238.6, 263.4)	(15.7, 52.6)	(31.6, 83.6)	(58.3, 104.7)	(75.2, 125.8)	(93.1, 161.3)	(112.7, 182.8)
Canada's North	59.8 mm	7.6 mm	14.9 mm	21.7 mm	29.9 mm	37.9 mm	49.6 mm
	(56.2, 63.0)	(3.4, 11.3)	(9.1, 19.5)	(16.6, 28.8)	(22.8, 38.4)	(29.9, 52.0)	(38.8, 60.4)

Table 8.S26: **R99p**: Annual total precipitation from days with precipitation over the 99th percentile. Region-averaged values for the recent past (+1 °C) climatology and projections at different global warming levels. See Chapter 3, Box 3.1 for an explanation of how global warming levels translate to increases in Canadian average temperatures over different time periods.Projections are expressed as a change relative to the recent past.Projections are based on CanDCS-M6, an ensemble of 26 downscaled and bias-corrected CMIP6 models. The ensemble median is listed, with the 80% uncertainty range in parentheses. Data Source: Sobie et al. (2024).

	+1.0 °C	+1.5 °C	+2.0 °C	+2.5 °C	+3.0 °C	+3.5 °C	+4.0 °C
Canada	39.9 mm	6.3 mm	11.7 mm	17.2 mm	22.7 mm	28.1 mm	35.0 mm
	(38.0, 41.7)	(3.2, 9.3)	(8.3, 16.1)	(13.1, 21.5)	(17.0, 28.5)	(21.9, 37.3)	(27.8, 44.2)
British Columbia	75.0 mm	9.5 mm	19.5 mm	33.2 mm	42.4 mm	52.2 mm	65.3 mm
	(67.4, 84.3)	(-0.2, 21.7)	(9.2, 32.0)	(18.1, 44.4)	(26.1, 57.9)	(34.7, 70.6)	(51.3, 94.4)
Prairies	34.5 mm	3.0 mm	6.0 mm	7.7 mm	9.4 mm	11.6 mm	13.2 mm
	(30.9, 38.2)	(-1.5, 8.5)	(0.2, 11.8)	(0.5, 13.4)	(-0.1, 18.8)	(1.1, 23.8)	(3.9, 29.5)
Ontario	50.5 mm	8.5 mm	15.6 mm	20.1 mm	22.7 mm	29.6 mm	37.8 mm
	(46.1, 56.9)	(0.5, 16.9)	(4.8, 23.9)	(10.3, 31.4)	(13.2, 38.5)	(17.1, 49.1)	(23.9, 58.2)
Quebec	55.4 mm	11.1 mm	20.2 mm	27.6 mm	37.6 mm	45.8 mm	58.2 mm
	(51.8, 60.3)	(4.6, 17.0)	(12.6, 27.1)	(19.8, 36.9)	(26.2, 49.3)	(34.8, 60.0)	(45.5, 71.5)
Atlantic Canada	77.0 mm	15.6 mm	27.4 mm	41.9 mm	51.4 mm	64.6 mm	82.2 mm
	(72.2, 83.6)	(8.0, 23.3)	(17.0, 40.4)	(29.4, 52.2)	(40.0, 69.1)	(51.6, 91.3)	(60.4, 100.9)
Canada's North	19.6 mm	3.2 mm	6.7 mm	9.7 mm	13.7 mm	17.2 mm	23.8 mm
	(18.1, 21.0)	(1.3, 5.3)	(4.0, 9.5)	(7.0, 13.1)	(9.6, 16.8)	(13.2, 23.2)	(17.2, 27.5)

Table 8.S27: **R95days**: Number of days with precipitation over the 95th percentile. Region-averaged values for the recent past (+1 °C) climatology and projections at different global warming levels. See Chapter 3, Box 3.1 for an explanation of how global warming levels translate to increases in Canadian average temperatures over different time periods.Projections are based on CanDCS-M6, an ensemble of 26 downscaled and bias-corrected CMIP6 models. The ensemble median is listed, with the 80% uncertainty range in parentheses. Data Source: Sobie et al. (2024).

	+1.0 °C	+1.5 °C	+2.0 °C	+2.5 °C	+3.0 °C	+3.5 °C	+4.0 °C
Canada	7.4 days	8.0 days	8.6 days	9.3 days	9.8 days	10.4 days	11.2 days
	(7.2, 7.6)	(7.7, 8.6)	(8.2, 9.4)	(8.8, 10.1)	(9.2, 10.8)	(9.7, 11.8)	(10.4, 12.7)
British Columbia	9.7 days	10.4 days	11.2 days	12.2 days	12.8 days	13.6 days	14.2 days
	(9.1, 10.3)	(9.7, 11.5)	(10.4, 12.4)	(11.1, 13.1)	(11.7, 14.0)	(12.2, 15.0)	(13.1, 16.2)
Prairies	6.2 days	6.5 days	6.8 days	6.9 days	7.2 days	7.5 days	7.8 days
	(5.8, 6.6)	(5.8, 7.2)	(6.1, 7.8)	(6.2, 8.2)	(6.1, 8.7)	(6.3, 9.1)	(6.5, 9.7)
Ontario	8.6 days	9.2 days	10.0 days	10.1 days	10.3 days	10.7 days	11.5 days
	(8.0, 9.1)	(8.4, 10.3)	(8.8, 11.0)	(8.7, 11.4)	(9.3, 12.0)	(9.7, 13.2)	(9.8, 13.9)
Quebec	10.5 days	11.6 days	12.5 days	13.3 days	14.1 days	14.8 days	15.9 days
	(9.9, 10.9)	(10.7, 12.4)	(11.6, 13.5)	(12.3, 14.3)	(12.8, 15.6)	(13.8, 16.8)	(14.6, 18.2)
Atlantic Canada	10.1 days	11.3 days	12.2 days	13.0 days	13.5 days	14.3 days	15.4 days
	(9.6, 10.7)	(10.5, 12.1)	(11.2, 13.0)	(12.1, 13.7)	(12.6, 14.4)	(13.5, 15.5)	(14.2, 16.2)
Canada's North	5.6 days	6.2 days	6.8 days	7.4 days	8.1 days	8.9 days	9.7 days
	(5.3, 5.9)	(5.8, 6.7)	(6.4, 7.5)	(6.9, 8.2)	(7.4, 9.1)	(7.9, 10.1)	(8.9, 11.1)

Table 8.S28: **R99days**: Number of days with precipitation over the 99th percentile. Region-averaged values for the recent past (+1 °C) climatology and projections at different global warming levels. See Chapter 3, Box 3.1 for an explanation of how global warming levels translate to increases in Canadian average temperatures over different time periods.Projections are based on CanDCS-M6, an ensemble of 26 downscaled and bias-corrected CMIP6 models. The ensemble median is listed, with the 80% uncertainty range in parentheses. Data Source: Sobie et al. (2024).

	+1.0 °C	+1.5 °C	+2.0 °C	+2.5 °C	+3.0 °C	+3.5 °C	+4.0 °C
Canada	1.6 days	1.8 days	2.0 days	2.2 days	2.4 days	2.6 days	2.9 days
	(1.5, 1.6)	(1.7, 1.9)	(1.8, 2.2)	(2.0, 2.4)	(2.1, 2.7)	(2.3, 3.0)	(2.6, 3.3)
British Columbia	2.0 days	2.3 days	2.5 days	2.9 days	3.1 days	3.4 days	3.7 days
	(1.8, 2.2)	(2.0, 2.7)	(2.2, 3.0)	(2.5, 3.2)	(2.7, 3.6)	(2.9, 3.9)	(3.3, 4.4)
Prairies	1.3 days	1.4 days	1.5 days	1.5 days	1.6 days	1.7 days	1.8 days
	(1.2, 1.4)	(1.2, 1.6)	(1.2, 1.7)	(1.2, 1.8)	(1.2, 2.0)	(1.2, 2.2)	(1.3, 2.3)
Ontario	1.8 days	2.0 days	2.3 days	2.4 days	2.5 days	2.8 days	2.9 days
	(1.6, 2.0)	(1.8, 2.4)	(1.9, 2.7)	(1.9, 2.8)	(2.0, 3.1)	(2.2, 3.5)	(2.3, 3.7)
Quebec	2.2 days	2.6 days	3.0 days	3.3 days	3.6 days	4.0 days	4.4 days
	(2.1, 2.4)	(2.4, 2.9)	(2.6, 3.3)	(3.0, 3.7)	(3.2, 4.2)	(3.7, 4.5)	(4.0, 5.0)
Atlantic Canada	2.1 days	2.6 days	2.9 days	3.3 days	3.6 days	3.9 days	4.4 days
	(2.0, 2.4)	(2.3, 2.9)	(2.5, 3.3)	(2.9, 3.7)	(3.2, 4.1)	(3.5, 4.5)	(3.8, 4.9)
Canada's North	1.2 days	1.4 days	1.5 days	1.7 days	1.9 days	2.2 days	2.5 days
	(1.1, 1.3)	(1.2, 1.5)	(1.4, 1.7)	(1.5, 1.9)	(1.7, 2.2)	(1.9, 2.6)	(2.2, 2.8)

Table 8.S29: **SDII**: Simple precipitation intensity index (Average daily precipitation intensity on wet days.). Region-averaged values for the recent past (+1 °C) climatology and projections at different global warming levels. See Chapter 3, Box 3.1 for an explanation of how global warming levels translate to increases in Canadian average temperatures over different time periods.Projections are expressed as a change relative to the recent past.Projections are based on CanDCS-M6, an ensemble of 26 downscaled and bias-corrected CMIP6 models. The ensemble median is listed, with the 80% uncertainty range in parentheses. Data Source: Sobie et al. (2024).

	+1.0 °C	+1.5 °C	+2.0 °C	+2.5 °C	+3.0 °C	+3.5 °C	+4.0 °C
Canada	4.1 mm	0.1 mm	0.2 mm	0.2 mm	0.3 mm	0.3 mm	0.4 mm
	(4.0, 4.1)	(0.0, 0.1)	(0.1, 0.2)	(0.2, 0.3)	(0.2, 0.4)	(0.2, 0.5)	(0.3, 0.6)
British Columbia	6.4 mm	0.1 mm	0.3 mm	0.4 mm	0.5 mm	0.6 mm	0.8 mm
	(6.2, 6.4)	(-0.0, 0.3)	(0.1, 0.5)	(0.3, 0.6)	(0.3, 0.7)	(0.4, 0.9)	(0.5, 1.1)
Prairies	4.0 mm	0.1 mm	0.1 mm	0.1 mm	0.2 mm	0.2 mm	0.2 mm
	(4.0, 4.1)	(-0.0, 0.2)	(0.0, 0.2)	(0.0, 0.3)	(0.0, 0.4)	(0.0, 0.5)	(0.1, 0.6)
Ontario	4.8 mm	0.1 mm	0.2 mm	0.2 mm	0.3 mm	0.3 mm	0.4 mm
	(4.8, 4.9)	(0.0, 0.2)	(0.1, 0.3)	(0.1, 0.4)	(0.1, 0.5)	(0.2, 0.6)	(0.2, 0.7)
Quebec	4.7 mm	0.1 mm	0.2 mm	0.3 mm	0.4 mm	0.5 mm	0.5 mm
	(4.6, 4.8)	(0.0, 0.2)	(0.1, 0.3)	(0.2, 0.4)	(0.2, 0.5)	(0.3, 0.6)	(0.4, 0.7)
Atlantic Canada	6.4 mm	0.2 mm	0.3 mm	0.5 mm	0.5 mm	0.6 mm	0.8 mm
	(6.2, 6.4)	(0.1, 0.3)	(0.2, 0.5)	(0.3, 0.6)	(0.4, 0.7)	(0.5, 0.9)	(0.6, 1.0)
Canada's North	2.8 mm	0.1 mm	0.1 mm	0.2 mm	0.2 mm	0.3 mm	0.3 mm
	(2.8, 2.8)	(0.0, 0.1)	(0.1, 0.2)	(0.1, 0.2)	(0.2, 0.3)	(0.2, 0.4)	(0.2, 0.4)

Table 8.S30: **CDD**: Maximum number of consecutive dry days each year. Region-averaged values for the recent past (+1 °C) climatology and projections at different global warming levels. See Chapter 3, Box 3.1 for an explanation of how global warming levels translate to increases in Canadian average temperatures over different time periods.Projections are based on CanDCS-M6, an ensemble of 26 downscaled and bias-corrected CMIP6 models. The ensemble median is listed, with the 80% uncertainty range in parentheses. Data Source: Sobie et al. (2024).

	+1.0 °C	+1.5 °C	+2.0 °C	+2.5 °C	+3.0 °C	+3.5 °C	+4.0 °C
Canada	21.9 days	21.3 days	20.7 days	20.2 days	19.8 days	19.4 days	19.2 days
	(21.3, 22.4)	(20.6, 22.0)	(20.0, 21.6)	(19.3, 21.2)	(18.8, 21.0)	(18.2, 20.6)	(18.0, 20.0)
British Columbia	17.3 days	17.3 days	17.3 days	17.4 days	17.5 days	17.9 days	17.9 days
	(16.5, 18.0)	(16.3, 18.5)	(16.3, 18.5)	(16.1, 18.7)	(16.6, 18.7)	(16.6, 19.9)	(16.6, 20.3)
Prairies	21.4 days	21.3 days	21.1 days	20.8 days	20.9 days	20.8 days	20.6 days
	(20.4, 22.8)	(20.0, 22.9)	(19.9, 22.7)	(19.6, 22.6)	(19.2, 22.4)	(19.0, 22.4)	(19.2, 22.0)
Ontario	13.6 days	13.6 days	13.5 days	13.4 days	13.6 days	13.5 days	13.6 days
	(12.9, 14.2)	(12.7, 14.6)	(12.5, 14.7)	(12.7, 14.7)	(12.6, 14.8)	(12.7, 14.9)	(12.6, 14.8)
Quebec	12.0 days	11.8 days	11.5 days	11.4 days	11.3 days	11.0 days	11.0 days
	(11.2, 12.8)	(11.0, 12.5)	(10.8, 12.5)	(10.5, 12.4)	(10.6, 12.4)	(10.3, 12.1)	(10.3, 12.0)
Atlantic Canada	10.6 days	10.5 days	10.4 days	10.4 days	10.4 days	10.4 days	10.4 days
	(10.0, 11.5)	(10.0, 11.4)	(9.8, 11.4)	(9.8, 11.2)	(9.7, 11.3)	(9.7, 11.2)	(9.6, 10.9)
Canada's North	30.5 days	29.2 days	28.0 days	26.8 days	25.9 days	24.9 days	24.0 days
	(29.4, 31.4)	(28.1, 30.5)	(26.7, 29.1)	(25.5, 28.1)	(24.4, 27.7)	(22.9, 26.8)	(22.0, 25.6)

Table 8.S31: **CWD**: Maximum number of consecutive wet days each year. Region-averaged values for the recent past (+1 °C) climatology and projections at different global warming levels. See Chapter 3, Box 3.1 for an explanation of how global warming levels translate to increases in Canadian average temperatures over different time periods.Projections are based on CanDCS-M6, an ensemble of 26 downscaled and bias-corrected CMIP6 models. The ensemble median is listed, with the 80% uncertainty range in parentheses. Data Source: Sobie et al. (2024).

	+1.0 °C	+1.5 °C	+2.0 °C	+2.5 °C	+3.0 °C	+3.5 °C	+4.0 °C
Canada	9.7 days	9.8 days	10.1 days	10.4 days	10.7 days	11.2 days	11.4 days
	(9.3, 10.1)	(9.5, 10.3)	(9.7, 10.5)	(9.8, 10.9)	(10.0, 11.4)	(10.3, 11.8)	(10.5, 12.2)
British Columbia	16.6 days	16.7 days	16.9 days	17.0 days	17.0 days	17.2 days	17.2 days
	(16.2, 17.5)	(16.2, 17.6)	(16.1, 17.9)	(16.0, 18.0)	(16.1, 18.0)	(16.4, 18.2)	(16.2, 18.0)
Prairies	7.7 days	7.8 days	7.9 days	8.0 days	8.0 days	8.1 days	8.2 days
	(7.4, 8.4)	(7.4, 8.4)	(7.5, 8.4)	(7.6, 8.6)	(7.6, 8.7)	(7.7, 8.8)	(7.7, 9.1)
Ontario	9.2 days	9.4 days	9.7 days	9.8 days	10.1 days	10.4 days	10.8 days
	(8.9, 9.9)	(9.0, 9.9)	(9.1, 10.1)	(9.3, 10.4)	(9.3, 10.8)	(9.4, 11.4)	(9.3, 12.0)
Quebec	12.5 days	13.2 days	13.6 days	14.2 days	14.7 days	15.8 days	16.2 days
	(11.9, 13.7)	(12.2, 14.1)	(12.7, 14.7)	(13.1, 16.0)	(13.4, 17.5)	(13.9, 18.4)	(14.4, 19.1)
Atlantic Canada	11.2 days	11.4 days	11.5 days	11.6 days	11.8 days	11.9 days	12.1 days
	(10.5, 12.1)	(10.7, 12.1)	(10.9, 12.2)	(10.8, 12.5)	(10.9, 13.1)	(11.0, 13.2)	(11.4, 13.8)
Canada's North	7.6 days	7.8 days	8.1 days	8.4 days	8.7 days	9.0 days	9.3 days
	(7.3, 8.2)	(7.5, 8.3)	(7.7, 8.6)	(7.9, 8.9)	(8.1, 9.3)	(8.4, 9.7)	(8.6, 10.4)

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