

APPENDIX A

CLIMATOLOGICAL DATA FOR SELECTED STATIONS

To assist those who require more detailed climatological information, the following data are presented. These average data are based on the 1951-1980 climate normals prepared by the Atmospheric Environment Service (1982a and 1982b). Users will note that "Days with Precipitation" is the sum of "Days with Rain" and "Days with Snow". On some occasions, such as when rain and snow occur on the same day, "Days with Precipitation" may be less than the sum. Also, "Days with Precipitation" may be greater than the sum if trace amounts (T) of precipitation (less than 0.1 mm of rain or 0.1 cm of snow) are recorded.

KEREMEOS 50° 12'N 119° 47'W 430 m	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	YEAR
Daily Maximum Temperature (°C)	-0.3	4.9	10.0	16.1	21.1	24.7	29.0	28.0	23.0	15.2	6.3	1.4	15.0
Daily Minimum Temperature (°C)	-6.5	-3.0	-0.2	3.9	8.2	11.8	14.2	13.8	9.7	4.2	-0.8	-4.3	4.3
Daily Temperature (°C)	-3.4	1.0	5.0	10.0	14.7	18.2	21.6	20.9	16.4	9.7	2.8	-1.5	9.6
Extreme Maximum Temperature (°C)	17.2	21.7	23.9	33.3	36.1	38.3	41.1	38.9	36.1	28.3	20.0	14.4	41.1
Extreme Minimum Temperature (°C)	-30.6	-30.0	-20.6	-8.3	-1.1	1.7	5.6	1.7	-5.0	-10.6	-21.7	-30.0	-30.6
Rainfall (mm)	8.9	8.1	9.5	14.1	20.6	27.1	20.3	22.2	12.8	10.6	12.2	11.6	178.0
Snowfall (cm)	22.8	9.7	3.0	0.2	0.0	0.0	0.0	0.0	0.0	0.4	8.0	20.0	64.1
Total Precipitation (mm)	31.7	17.8	12.4	14.3	20.6	27.1	20.3	22.2	12.8	11.0	20.1	32.0	242.3
Greatest Rainfall in 24 hours (mm)	27.4	12.7	15.7	29.7	25.4	32.0	28.7	49.3	29.5	52.1	32.5	27.4	52.1
Greatest Snowfall in 24 hours (cm)	16.5	28.4	27.2	2.0	0.3	T	0.0	0.0	T	15.2	31.8	27.9	31.8
Greatest Precipitation in 24 hours (mm)	34.5	28.4	27.2	29.7	25.4	32.0	28.7	49.3	29.5	52.1	32.5	35.3	52.1
Days with Rain	3	4	4	5	6	7	5	6	5	5	6	5	61
Days with Snow	8	3	1	0	0	0	0	0	0	0	2	6	20
Days with Precipitation	10	7	5	5	6	7	5	6	5	5	7	10	78

Freeze Free Period: 181 days

Average date of last spring freeze: April 18

Average date of first autumn freeze: October 17

OSOYOOS 49° 4'N 119° 31'W 331 m	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	YEAR
Daily Maximum Temperature (°C)	-0.6	4.0	10.0	16.5	21.5	25.2	29.1	27.8	22.4	14.8	6.2	1.4	14.9
Daily Minimum Temperature (°C)	-6.1	-3.1	-0.2	3.8	8.4	12.4	14.9	14.2	9.7	4.4	-0.1	-3.5	4.6
Daily Temperature (°C)	-3.4	0.5	4.9	10.2	15.0	18.8	22.0	21.0	16.1	9.7	3.1	-1.0	9.7
Extreme Maximum Temperature (°C)	11.7	14.4	23.3	30.6	34.4	36.7	39.5	37.2	33.9	26.0	20.0	14.5	39.5
Extreme Minimum Temperature (°C)	-25.0	-22.0	-17.8	-6.7	-3.9	0.6	5.6	5.6	-2.2	-5.6	-18.3	-25.6	-25.6
Rainfall (mm)	15.9	19.9	20.1	20.0	32.5	30.8	19.3	26.9	18.4	17.1	22.2	22.8	265.9
Snowfall (cm)	25.2	9.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.2	7.8	24.1	69.4
Total Precipitation (mm)	41.2	30.0	22.5	20.0	32.5	30.8	19.3	26.9	18.4	17.3	30.0	46.8	335.7
Greatest Rainfall in 24 hours (mm)	21.1	24.1	17.8	18.8	39.1	27.4	30.2	19.3	28.4	23.6	16.5	22.9	39.1
Greatest Snowfall in 24 hours (cm)	22.9	34.0	14.7	T	0.0	0.0	0.0	0.0	0.0	3.8	15.7	25.4	34.0
Greatest Precipitation in 24 hours (mm)	22.9	40.9	17.8	18.8	39.1	27.4	30.2	19.3	28.4	23.6	16.5	25.4	40.9
Days with Rain	4	5	6	6	7	7	5	6	5	6	7	6	70
Days with Snow	7	3	1	0	0	0	0	0	0	0	2	6	19
Days with Precipitation	10	8	7	6	7	7	5	6	5	6	9	11	87

Freeze Free Period: 180 days

Average date of last spring freeze: April 18

Average date of first autumn freeze: October 16

APPENDIX A (continued)

OLIVER 49° 10'N 119° 33'W 305 m	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	YEAR
Daily Maximum Temperature (°C)	-0.3	4.4	10.2	16.8	21.8	25.3	29.2	27.9	22.6	15.0	6.3	1.6	15.1
Daily Minimum Temperature (°C)	-6.9	-4.1	-2.0	1.8	6.2	10.2	12.1	11.4	6.6	1.6	-1.7	-4.3	2.6
Daily Temperature (°C)	-3.6	0.2	4.1	9.4	14.1	17.8	20.7	19.7	14.7	8.4	2.4	1.4	8.9
Extreme Maximum Temperature (°C)	15.0	16.7	22.8	30.6	35.0	37.2	42.8	39.4	36.1	29.4	20.0	15.6	42.8
Extreme Minimum Temperature (°C)	-30.6	-30.6	-22.2	-8.3	-7.8	-0.6	2.8	2.8	-4.4	-9.4	-20.6	-28.3	-30.6
Rainfall (mm)	12.2	14.4	17.0	19.5	29.7	25.6	18.1	27.3	17.1	16.8	19.1	18.2	235.0
Snowfall (cm)	19.3	8.6	2.4	T	0.0	0.0	0.0	0.0	0.0	0.1	6.4	18.9	55.7
Total Precipitation (mm)	31.5	23.0	19.4	19.5	29.7	25.6	18.1	27.3	17.1	16.9	25.5	37.1	290.7
Greatest Rainfall in 24 hours (mm)	20.3	13.2	12.7	16.8	50.8	20.6	27.4	26.4	23.4	16.3	19.6	19.6	50.8
Greatest Snowfall in 24 hours (cm)	14.2	30.5	8.4	T	T	0.0	0.0	0.0	0.0	1.5	13.7	19.8	30.5
Greatest Precipitation in 24 hours (mm)	21.8	33.5	13.5	16.8	50.8	20.6	27.4	26.4	23.4	16.3	19.6	24.9	50.8
Days with Rain	4	5	6	6	7	7	5	7	5	6	7	5	70
Days with Snow	7	3	1	0	0	0	0	0	0	0	2	6	19
Days with Precipitation	10	8	7	6	7	7	5	7	5	6	8	10	86

Freeze Free Period: 139 days

Average date of last spring freeze: May 11

Average date of first autumn freeze: September 28

PENTICTON AIRPORT 49° 28'N 119° 36'W 344 m	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	YEAR
Daily Maximum Temperature (°C)	-0.1	4.1	9.1	15.4	20.6	24.6	28.6	27.4	21.8	14.5	6.3	2.1	14.5
Daily Minimum Temperature (°C)	-5.3	-3.0	-1.4	1.8	6.1	9.8	12.0	11.6	7.6	3.0	-0.4	-2.9	3.2
Daily Temperature (°C)	-2.7	0.6	3.9	8.6	13.4	17.2	20.3	19.5	14.7	8.7	3.0	-0.4	8.9
Extreme Maximum Temperature (°C)	13.3	15.6	21.7	28.9	32.2	36.7	40.6	38.9	34.4	28.9	19.4	14.4	40.6
Extreme Minimum Temperature (°C)	-26.7	-26.7	-17.8	-7.2	-5.6	0.0	2.2	2.9	-2.8	-7.8	-18.9	-27.2	-27.2
Rainfall (mm)	8.2	9.9	13.1	21.0	29.1	27.6	21.1	26.5	17.7	15.2	16.8	11.5	217.7
Snowfall (cm)	29.0	11.4	4.4	0.2	T	0.0	0.0	0.0	0.0	0.2	7.7	23.1	76.0
Total Precipitation (mm)	32.0	19.8	17.3	21.4	29.1	27.6	21.1	26.5	17.7	15.3	23.9	31.2	282.9
Greatest Rainfall in 24 hours (mm)	15.7	18.5	16.3	27.4	29.7	33.5	37.8	23.6	28.1	44.5	19.3	12.4	44.5
Greatest Snowfall in 24 hours (cm)	19.6	23.1	10.0	4.1	T	T	0.0	0.0	T	2.0	20.6	22.1	23.1
Greatest Precipitation in 24 hours (mm)	16.0	18.5	16.3	27.4	29.7	33.5	37.8	23.6	28.1	44.5	19.3	22.1	44.5
Days with Rain	4	5	6	6	9	8	6	7	7	7	7	6	78
Days with Snow	11	5	2	0	0	0	0	0	0	T	3	8	29
Days with Precipitation	13	9	7	6	9	8	6	7	7	7	9	12	100

Freeze Free Period: 148 days

Average date of last spring freeze: May 8

Average date of first autumn freeze: October 4

SUMMERLAND 49° 34'N 119° 39'W 454 m	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	YEAR
Daily Maximum Temperature (°C)	-0.5	3.6	8.3	14.4	19.7	23.7	27.8	26.5	20.9	13.5	5.6	1.6	13.8
Daily Minimum Temperature (°C)	-6.3	-3.4	-0.9	2.9	7.3	11.1	13.9	13.5	9.5	4.4	-0.6	-3.8	4.0
Daily Temperature (°C)	-3.4	0.1	3.7	8.7	13.5	17.4	20.9	20.0	15.2	9.0	2.5	-1.1	8.9
Extreme Maximum Temperature (°C)	13.9	16.7	22.2	28.9	33.9	38.3	40.0	37.8	34.4	28.5	18.9	15.6	40.0
Extreme Minimum Temperature (°C)	-30.0	-26.7	-21.7	-10.0	-5.0	1.7	4.4	5.5	-3.9	-9.4	-18.9	-29.4	30.0
Rainfall (mm)	5.7	7.2	10.9	19.5	27.5	30.6	22.2	27.4	18.8	17.3	17.0	9.4	213.5
Snowfall (cm)	29.9	11.6	3.9	0.1	0.0	0.0	0.0	0.0	0.0	0.3	8.5	23.4	77.7
Total Precipitation (mm)	35.6	18.8	14.8	19.6	27.5	30.6	22.2	27.4	18.8	17.6	25.4	32.8	291.1
Greatest Rainfall in 24 hours (mm)	12.2	9.7	13.2	25.4	26.7	34.0	41.7	21.8	23.1	45.5	18.0	22.9	45.5
Greatest Snowfall in 24 hours (cm)	19.1	30.5	33.5	5.1	0.0	0.0	0.0	0.0	0.0	12.7	19.8	45.7	45.7
Greatest Precipitation in 24 hours (mm)	19.1	30.5	33.5	25.4	26.7	34.0	41.7	21.8	23.1	45.5	19.8	45.7	45.7
Days with Rain	3	4	5	6	9	9	6	7	7	7	7	5	75
Days with Snow	10	5	2	0	0	0	0	0	0	0	3	8	28
Days with Precipitation	12	8	7	6	9	9	6	7	7	7	10	12	100

Freeze Free Period: 165 days

Average date of last spring freeze: April 27

Average date of first autumn freeze: October 10

APPENDIX A (continued)

KELOWNA AIRPORT 49° 58'N 119° 23'W 429 m	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	YEAR
Daily Maximum Temperature (°C)	-1.0	3.3	8.3	14.9	20.3	24.1	28.0	26.7	21.0	13.5	5.4	1.2	13.8
Daily Minimum Temperature (°C)	-9.3	-6.3	-3.6	0.0	4.2	7.8	9.3	8.9	5.2	0.5	-3.3	-6.3	0.6
Daily Temperature (°C)	-5.1	-1.6	2.3	7.5	12.2	15.9	18.7	17.8	13.1	6.9	1.1	-2.5	7.2
Extreme Maximum Temperature (°C)	11.1	14.4	18.3	27.6	31.1	35.6	38.6	38.3	32.2	26.3	20.6	14.5	38.6
Extreme Minimum Temperature (°C)	-31.7	-25.0	-19.5	-8.9	-3.3	-0.6	2.6	0.6	-6.1	-11.7	-18.9	-36.1	-36.1
Rainfall (mm)	6.6	8.7	12.7	17.4	28.0	26.1	24.1	30.8	29.3	18.6	13.4	9.9	226.4
Snowfall (cm)	31.6	15.0	6.3	0.3	0.0	0.0	0.0	0.0	0.0	0.6	11.6	38.1	103.5
Total Precipitation (mm)	30.7	21.0	18.6	17.7	28.0	26.9	24.1	30.8	29.3	19.0	24.2	42.1	312.4
Greatest Rainfall in 24 hours (mm)	9.7	4.8	13.7	12.2	20.8	16.5	21.1	19.6	22.4	18.3	13.2	14.2	22.4
Greatest Snowfall in 24 hours (cm)	21.8	19.1	9.4	1.3	T	0.0	0.0	0.0	0.0	6.9	14.5	19.3	21.8
Greatest Precipitation in 24 hours (mm)	16.1	16.0	13.7	12.2	20.8	16.5	21.1	19.6	22.4	19.3	15.8	14.2	22.4
Days with Rain	3	5	7	7	9	10	7	8	8	8	8	4	84
Days with Snow	13	6	3	0	0	0	0	0	0	1	5	10	38
Days with Precipitation	15	11	10	7	9	11	8	8	8	9	12	15	123

Freeze Free Period: 116 days

Average date of last spring freeze: May 26

Average date of first autumn freeze: September 20

OKANAGAN CENTRE 50° 4'N 119° 27'W 347 m	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	YEAR
Daily Maximum Temperature (°C)	0.1	3.8	8.0	14.2	19.7	23.6	27.3	26.3	20.7	13.6	6.0	2.2	13.8
Daily Minimum Temperature (°C)	-5.5	-3.3	-1.7	1.8	6.1	10.1	12.2	11.9	8.3	3.9	-0.6	-3.2	3.3
Daily Temperature (°C)	-2.7	0.3	3.2	8.1	12.9	16.9	19.8	19.1	14.6	8.8	2.8	-0.5	8.6
Extreme Maximum Temperature (°C)	12.8	17.2	21.1	28.9	32.8	35.6	40.0	36.1	33.9	30.6	20.6	15.6	40.0
Extreme Minimum Temperature (°C)	-30.0	-25.6	-22.8	-7.8	-3.9	1.1	1.7	2.8	-1.1	-11.7	-20.0	-28.3	-30.0
Rainfall (mm)	11.5	14.1	17.3	18.4	26.9	29.3	27.2	34.0	30.4	24.6	24.2	16.4	274.3
Snowfall (cm)	29.9	12.2	4.6	0.3	0.0	0.0	0.0	0.0	0.0	0.1	8.4	25.3	80.8
Total Precipitation (mm)	41.8	26.3	21.9	18.7	26.9	29.3	27.2	34.0	30.4	24.7	32.6	41.7	355.5
Greatest Rainfall in 24 hours (mm)	35.1	17.8	14.7	33.8	22.4	24.9	43.7	32.0	27.7	29.5	24.8	24.9	43.7
Greatest Snowfall in 24 hours (cm)	36.8	40.6	15.7	8.9	0.0	0.0	0.0	0.0	0.0	5.1	16.5	31.8	40.6
Greatest Precipitation in 24 hours (mm)	36.8	40.6	15.7	33.8	22.4	24.9	43.7	32.0	27.7	29.5	24.8	31.8	43.7
Days with Rain	3	5	7	6	9	9	6	8	8	9	8	6	84
Days with Snow	8	4	1	0	0	0	0	0	0	0	2	6	21
Days with Precipitation	11	8	8	6	9	9	6	8	8	9	10	11	103

Freeze Free Period: 173 days

Average date of last spring freeze: April 26

Average date of first autumn freeze: October 17