

Climate Research Lab Monthly Meteorological Summary-August, 2017

Background

This summary is produced by the UPEI Climate Lab for the month of August, 2017. Data is reported from 32 climate stations in the province as shown on Table 1. The annual summaries of PEI climate data for 2014, 2015 and 2016 and the monthly summaries for 2017 are now posted on the UPEI Climate Lab Website. (<http://projects.upei.ca/climate/research/>).

A new station was added to the network on June 27, 2017 when a Davis Vantage Pro2 plus unit was installed at Savage Harbour. The equipment is owned by the Abegweit Conservation Society which is an arm of the Abegweit First Nation.



Figure 1 –Hi –Low Thermometers, Stevenson Screen, Alliston, PEI

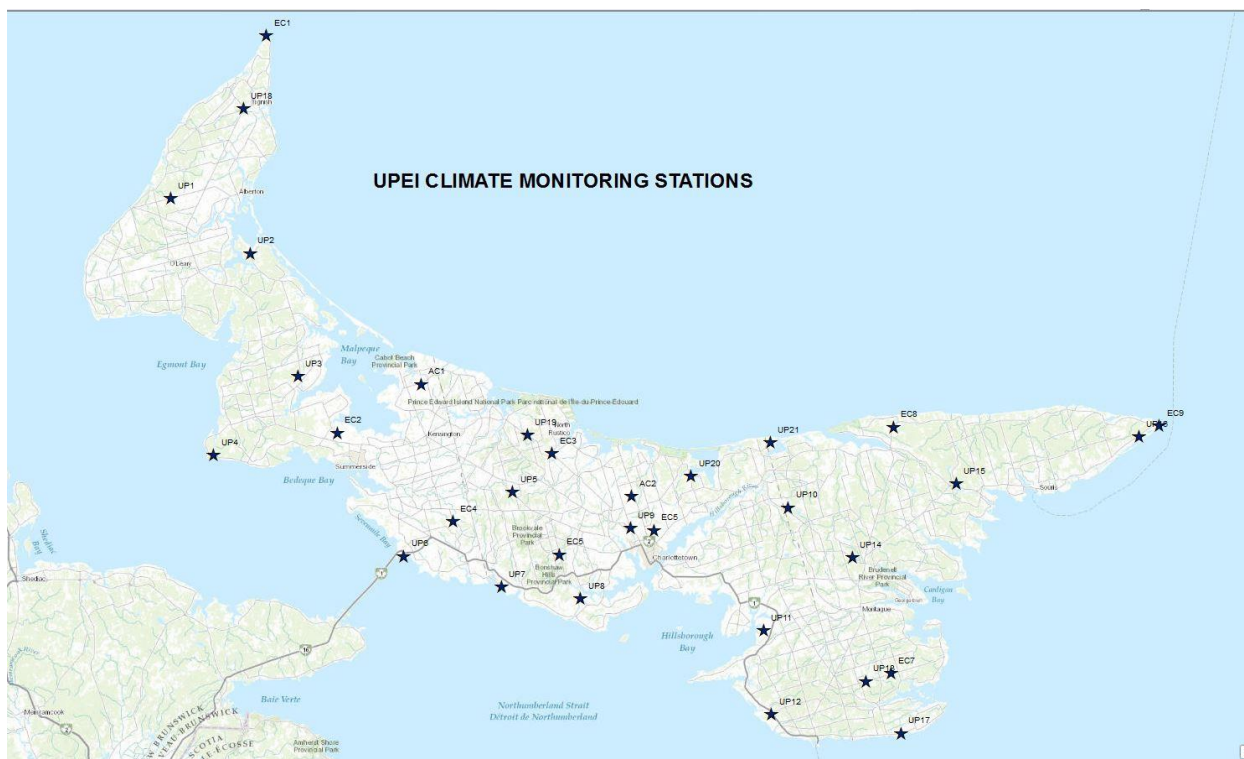


Figure 2 - Map showing climate station locations monitored by the UPEI Climate Research Lab

A listing of stations currently being monitored by UPEI Climate Research Lab is provided in Table 1. This includes Environment Canada, Agriculture Canada, Agriculture PEI, NAV Canada, UPEI and privately operated stations that operate on an annual basis.

Table 1 – PEI Climate Stations Monitored by UPEI

ID Code	Map ID	Community	Lat.	Long.	Date Installed	Operator
IPRINCEE22	UP13	Alliston	46.052032	-62.638389	25-Jun-15	CNP
8300100	EC7	Alliston/Peters Road	46.064393	-62.581808	01-Jan-36	M. Radvanyi
Remote	UP3	Arlington	46.52964	-63.927503	30-Jun-15	Arlington Orchard
KNW01	AC1	Baltic	46.517266	-63.648411	14-Aug-14	Kensington North
IPEBORDE2	UP6	Borden - Carleton	46.248346	-63.686935	26-Jan-95	G. Read
IPRINCEE28	UP1	Brockton	46.80649	-64.21685	23-Sep-15	UPEI
83000562	EC8	Cable Head	46.4503	-62.5758	14-Aug-03	EC

IPRINCEE26	UP4	Cape Egmont	46.4067	-64.118742	10-Sep-15	UPEI
IPRINCEE17	UP14	Cardigan Head	46.2461	-62.66833	01-Oct-14	R. Angus
8300300	EC5	Charlottetown	46.28917	-63.119167	14-Sep-12	NAV Canada
IPRINCEE16	UP15	Dingwells Mills	46.362154	-62.432651	14-Nov-13	UPEI
IPRINCEE31	UP16	East Point	46.43554	-62.018632	16-Jul-15	Newman
8300418	EC9	East Point	46.45227	-61.971635	8-Dec-92	EC
IPEIELMW2	EC5	Elmwood	46.2508	-63.3342	01-Sep-93	B. Jameson
IPRINCEE32	UP10	Fanning Brook	46.32419	-62.8141	05-Nov-15	UPEI
IPRINCEE13	UP12	Flat River	45.999949	-62.852033	06-Nov-13	UPEI
IPRINCEE15	UP2	Foxley River	46.7208	-64.0356	20-Nov-13	UPEI
IPRINCEE30	UP5	Glen Valley	46.34884	-63.439941	06-Oct-15	UPEI
IPRINCEE27	UP7	Hampton	46.2003	-63.4652	11-Sep-15	M. Cassidy
830P001	AC2	Harrington	46.342506	-63.169736	01-Jul-00	Agric. Canada
IPRINCEE 35	UP19	Hope River	46.43816	-63.40707	10-August-16	A.MacKay
8305500	EC4	Maple Plains	46.3028	-63.575567	21-Jun-01	BBEMA
IPRINCEE 4	UP20	Mill Cove	46.37400	-63.03508	24-Apr-12	P. Lawlor
8300497	EC3	New Glasgow	46.408911	-63.350289	01-Oct-71	H. Dingwell
8300516	EC1	North Cape	47.05806	-63.998611	18-Oct-02	EC
IPRINCEE14	UP11	Orwell Cove	46.13153	-62.869768	13-Nov-13	UPEI
IPRINCEE21	UP8	St. Catherine's	46.182023	-63.286157	25-Jun-15	Matos Winery
ISAVAGEH2		Savage Harbour	46.42587	-62.85565	June 27, 2017	Abegweit Conservation Society
8300700	EC2	Summerside	46.44111	-63.83806	19-Jul-99	EC
IPRINCEE36	UP18	Tignish	46.9453	-64.0516	02-August-16	UPEI
IPRINCEE19	UP17	White Sands	45.970	-62.558	25-Oct-14	M. Harwood
IPRINCEE11	UP9	Winsloe South	46.292358	-63.1727104	13-Sep-13	UPEI

Data Summary

Table 2 summarizes the climate data recorded during the month of August 2017 for all stations being observed by UPEI Climate Research Lab. August of 2017 had slightly above normal temperatures and was drier than normal. Daily average solar radiation for stations which have solar radiation sensors is included to provide information on the potential for solar energy and for crop production.

Table 2 – UPEI August 2017 Climate Station Summary for 31 Stations across PEI

Climate Station Name	Map ID	Tmean °C	Tmax °C	Tmin °C	PPT (mm)	Snow (cm)	Avg. Wind Speed km/h	Max. Wind Speed km/h	Days with Frost	Daily Avg. Solar Radiation (kWh/m²/D)
Alliston / Peters Road	EC7	19.1	29.0	10.0	119.2					
Alliston (CNP)	UP13	18.7	28.9	8.4	98.0		3.6	43.4	0	
Arlington	UP3	18.6	30.3	6.7	55.4		1.3	40.2		
Baltic	AC1	18.8	29.7	8.9	50.4		9.0	23.8		
Borden	UP6	19.9	29.8	11.3	94.5		10.6	49.9	0	4.29
Brockton	UP1	18.8	28.2	8.2	24.6		3.1	38.6		4.60
Cape Egmont	UP4	18.9	26.8	8.3	47.5		10.1	66.0	0	4.96
Cardigan Head	UP14	17.4	30.2	2.9	94.2		2.4	33.8		
Ch'town Airport	EC6	18.3	27.9	6.7	127.5			56.0		
Dingwells	UP15	17.9	27.5	3.8	82.0		3.7	45.1		
East Point	EC9	17.9	26.3	9.7	97.0		16.8	67.0		
East Point (N)	UP16	18.6	26.0	9.0	82.6		6.8	48.3		
Elmwood	EC5	18.5	28.5	6.7	123.7		4.6	37.0		
Fanning Brook	UP10	18.5	28.7	6.3	71.6		5.8	45.1		5.06
Flat River	UP12	18.8	29.1	5.8	75.7		6.9	51.5		
Foxley River	UP2	19.2	29.2	8.0	49.0		6.0	61.2		
18.3Glen Valley	UP5	18.4	27.3	9.8	81.3		11.5	51.5		4.66
Hampton	UP7	18.2	26.9	8.5	105.2		10.5	54.7	0	4.72
Harrington	AC2	18.2	27.8	9.2	99.2		11.9	52.0		
Hope River	UP19	19.8	27.1	11.2	41.7		8.0	60.2		
Maple Plains	EC4	17.1	29.9	4.0	100.8		8.8	25.5		
Mill Cove	UP20	19.0	28.9	5.9	102.6		3.4	25.7		
New Glasgow	EC3	17.8	28.5	5.0	86.8					
North Cape	EC1	18.4	27.5	10.7	72.6		19.2	61.0		
Orwell Cove	UP11	19.3	29.3	7.8	79.0		4.0	40.2		
St.	UP8	19.0	28.9	8.4	113.0		5.0	35.4		

Catherines										
St. Peter's	EC9	18.4	29.3	7.2	65.0		12.6	56.0		
Savage Harbour	UP19	18.9	29.9	6.5	59.0		9.4	54.7	0	4.63
Summerside	EC2	18.6	28.9	7.1	45.1		15.4	61.0		
Tignish	UP18	18.1	29.2	5.2	54.0		3.2	41.8	0	4.70
White Sands	UP17	19.2	28.2	9.7	71.1		11.6	59.5		4.74
Winsloe South	UP9	18.7	27.9	9.3	131.6		1.4	24.1		

? August reading maybe inaccurate.

NR- Not recording wind speed

Inc. Incomplete record

The measurements from twelve (12) CoCoRaHS observers located on PEI are recorded in table 3. Some of the CoCoRaHS stations listed on table 3 are also climate stations listed on Table 2. This includes: UP6, EC5, UP14 and UP9.

Table 3 CoCoRaHS Precipitation Amounts from Eleven Locations on PEI, August, 2017

CoCoRaHS Station	Total Precipitation in mm	Total Snowfall in cm
CAN-PE-1 Stratford	116.1	0
CAN-PE-3 Wellington	54.1	
CAN-PE-7 Morell	70.4	
CAN-PE-10 New London	65.0	
CAN-PE-13 Bedeque	50.0	
CAN-PE-19 Winsloe South	131.6	
CAN-PE-20 Bonshaw	123.7	
CAN-PE-23 Borden-Carleton	83.6	
CAN-PE-25 – Caledonia	160.0	
CAN-PE-26 – Grand Tracadie	97.8	
CAN-PE-27 – Cardigan Head	94.2	
CAN-PE-28 – Peakes	71.6	

Table 4 provides thirty year climate normal values for seven (7) climate stations in the province for the month of August.

Table 4 August Climate Normal for PEI Stations 1981 to 2010

Parameter	Ch'town A	New Glasgow	Summerside A	O'Leary	Alberton	Monticello	East Baltic
Mean Monthly T in C	18.3	18.6	18.6	18.4	18.6	18.4	18.0

Mean Monthly Ppt. in mm	95.7	87.5	92.7	87.7	79.7	88.9	103.6
Mean Monthly Snow cm	0	0	0	0	0	0	0

Discussion

The monthly mean temperatures for August as shown on table 5 were close to normal across the province. The range was -1.5°C cooler at Maple Plains to 1.3°C above normal at Borden-Carleton. The highest monthly mean of 19.9°C was observed at Borden-Carleton with the lowest monthly mean of 17.1°C recorded at Maple Plains representing a range of 2.8 degrees across the province. The maximum temperature for the month was 30.3°C at Arlington on August 5th. The coldest temperature reported during the month for all stations listed in this summary was 2.9°C which was recorded at Cardigan Head on two days, August 28th and August 29th. A search on the Government of Canada Almanac Averages and Extremes Website for these dates at reporting stations on Prince Edward Island found that the extreme low for August 28th was set at Monticello in 1963 at 0.6°C and for August 29th was set at Alberton in 1982 at 1.5°C.

There were no reports of frost during August of 2017.

Table 5 – Variation of August 2017 Monthly Mean Temperature from 1981-2010 Climate Normal

Climate Station	August 2017 Mean C	30 Year Normal C 1981-2010	Variation from Normal C
Alliston / Peters Rd	19.1	18.3	0.80
Alliston CNP	18.7	18.3	0.40
Arlington	18.6	18.4	0.20
Baltic	18.8	18.6	0.20
Borden - Carleton	19.9	18.6	1.30
Brockton	18.8	18.6	0.20
Cape Egmont	18.9	18.6	0.30
Cardigan Head	17.4	18.4	-1.00
Charlottetown A	18.3	18.3	0.00
Dingwells	17.9	18.4	-0.50
East Point	17.9	18.0	-0.10
East Point – UP16	18.6	18.0	0.60
Elmwood	18.5	18.6	-0.10
Fanning Brook	18.5	18.3	0.20
Flat River	18.8	18.3	0.50
Foxley River	19.2	18.4	0.80
Glen Valley	18.4	18.6	-0.20

Hampton	18.2	18.6	-0.40
Harrington	18.2	18.3	-0.10
Hope River	19.8	18.6	1.20
Maple Plains	17.1	18.6	-1.50
Mill Cove	19.0	18.3	0.70
New Glasgow	17.8	18.6	-0.80
North Cape	18.6	18.6	0.00
Orwell	19.3	18.3	1.00
St. Catherine's	19.0	18.3	0.70
St. Peters	18.4	18.4	0.00
Savage Harbour	18.9	18.3	0.60
Summerside A	18.6	18.6	0.00
Tignish	18.1	18.6	-0.50
White Sands	19.2	18.3	0.90
Winsloe South	18.7	18.3	0.40

Table 6 – Variation of August 2017 Total Precipitation Amounts from 1981-2010 Climate Normal

Climate Station	Total PPT in mm August 2017	30 Year Normal mm 1981-2010	Variation from Normal mm
Alliston / Peters Rd	119.2	95.7	23.50
Alliston CNP	98.0	95.7	2.30
Arlington	55.4	87.7	-32.30
Baltic	50.4	92.7	-42.30
Borden – Carleton (CoCo Can-PE-23)	94.5	92.7	1.80
Brockton	24.6	79.7	-55.10
Cape Egmont	47.5	92.7	-45.20
Cardigan Head (CoCo Can-PE-27)	94.2	88.9	5.30
Charlottetown A	127.5	95.7	31.80
Dingwells	82.0	88.9	-6.90
East Point - EC	97.0	103.6	-6.60
East Point – UP16	82.6	103.6	-21.00
Elmwood (CoCo- Can-PE-20)	123.7	87.5	36.20
Fanning Brook	71.6	95.7	-24.10
Flat River	75.7	95.7	-20.00
Foxley River	49.0	87.7	-38.70
Glen Valley	81.3	87.5	-6.20
Hampton	105.2	92.7	12.50
Harrington	99.2	95.7	3.50
Hope River	41.7	87.5	-45.80
Maple Plains	100.8	92.7	8.10
Mill Cove	102.6	95.7	6.90

New Glasgow	86.8	87.5	-0.70
North Cape	72.6	79.7	-7.10
Orwell	79.0	95.7	-16.70
St. Catherine's	113.0	95.7	17.30
St. Peters	65.0	88.9	-23.90
Savage Harbour	59.0	95.7	-36.70
Summerside A	45.1	92.7	-47.60
Tignish	54.0	79.7	-25.70
White Sands	71.1	95.7	-24.60
Winsloe South (CoCo-Can-PE-19)	131.6	95.7	35.90

The Prince County stations from Summerside to North Cape all reported below normal rainfall during the month with Summerside reporting 47.6 mm below normal. The Charlottetown area stations: Charlottetown Airport, Winsloe South, and Elmwood all reported >30 mm above normal rainfall. The rest of the province had varying amounts slightly above or below normal. The maximum precipitation for all reporting locations was at the CoCoRaHS location in Caledonia where 160 mm was recorded. Some farmers were still experiencing a lack of rainfall at various locations in the province.

The total rainfall received at several climate stations in the province during the growing season from May 1 to August 30 in both 2016 and 2017 is contained in appendix A to this report. The high rainfall totals for May 2017 contributed to many stations having above normal rainfall totals for the 2017 growing season. Low rainfall amounts in July 2017 may have impacted plant growth during a critical time during the growing season.

Average wind speeds across the province ranged from 1.3 km/h at Arlington to 19.2 km/h at North Cape. The maximum gust for the month was 67.0 km/h reported at East Point on August 17th.

The solar radiation values ranged from 4.29 kWh/m²/D at Borden-Carleton to 5.06 kWh/m²/D at Fanning Brook. These readings were similar to those reported for the same month in 2016.

Closure

- Temperatures were close to normal across the province.
- Precipitation was below normal from Summerside to North Cape, above normal in the Charlottetown area and near normal in the remainder of the province.
- The maximum wind gust recorded was 67.0 km/h at North Cape.

Some phenological and weather events during the month are recorded on Table 7.

Table 7–August Weather or Phenological Events 2017

Date	Location	Type of Event	Comments
August 4, 2017	All of PEI	Communication outage for cellular phone customers of	Some internet service was down resulting in no climate

		Bell, Telus, Koodo and Virgin Mobile for several hours.	data reporting from some stations for a few hours.
August 6, 2017	Most of the province	Heavy rainfall with 61 mm reported at Caledonia.	



Figure 3- Harvesting Grain, Long River

Appendix A

Prince Edward Island Precipitation
Summaries for Growing Season: May
to August, 2016 and 2017



Site ID	Latitude	Longitude	Month	2016 Rainfall in mm	2017 Rainfall in mm	Climate Normal 1981-2010
Alliston	46.052032	-62.638389	May	69.8	138.4	91
Alliston			June	53.6	63.2	98.8
Alliston			July	64.8	47.2	79.9
Alliston			August	115.3	98.0	95.7
Alliston			Total	303.5	346.8	365.4
Arlington	46.52964	-63.927503	May	61.4	186.8	102.9
Arlington			June	53.6	71.4	84.8
Arlington			July	44	27.8	96
Arlington			August	55.4	55.4	87.7
Arlington			Total	214.4	341.4	371.4
Baltic	46.517266	-63.648411	May	64.3	167.5	94.9
Baltic			June	53.4	92.6	91.3
Baltic			July	27.5	13.0	74.1
Baltic			August	76.9	50.4	92.7
Baltic			Total	222.1	323.5	353
Bedeque CoCo	46.352066	-63.777329	May	49	126.0	94.9
Bedeque CoCo			June	53.3	89.2	91.3
Bedeque CoCo			July	47.5	32.5	74.1
Bedeque CoCo			August	95.8	50.0	92.7
Bedeque CoCo			Total	245.6	297.7	353
Borden	46.248346	-63.686935	May	84.3	146.3	94.9
Borden			June	66.8	92.2	91.3
Borden			July	64.8	26.9	74.1
Borden			August	106.6	94.5	92.7
Borden			Total	322.5	359.9	353
Brockton	46.80649	-64.21685	May	46.7	106.7	92.7
Brockton			June	82	59.2	82.1
Brockton			July	29.5	20.2	86.3
Brockton			August	59.4	24.6	79.9
Brockton			Total	217.6	210.7	341
Cable Head	46.4503	-62.5758	May	48.3	108.1	90.1
Cable Head			June	47.3	50.4	90.7
Cable Head			July	52.4	26.7	79.3
Cable Head			August	74.9	65.0	88.9
Cable Head			Total	222.9	250.2	349
Caledonia CoCo	46.045939	-62.722685	May	na	114.8	91
Caledonia CoCo			June		71.9	98.8
Caledonia CoCo			July		53.3	79.9
Caledonia CoCo			August		160.0	95.7
Caledonia CoCo			Total		400.0	365.4
Cape Egmont	46.4067	-64.118742	May	29	156.2	94.9
Cape Egmont			June	32.8	61.2	91.3

Cape Egmont			July	26.7	21.6	74.1
Cape Egmont			August	47	47.5	92.7
Cape Egmont			Total	135.5	286.5	353
Cardigan Head	46.246471	-62.670854	May	59.4	152.9	90.1
Cardigan Head			June	11.2	73.0	90.7
Cardigan Head			July	na	42.4	79.3
Cardigan Head			August	25.6	94.2	88.9
Cardigan Head			Total	96.2	362.5	349
Charlottetown Airport	46.28917	-63.119167	May	70.5	160.4	91
Charlottetown Airport			June	64.8	85.0	98.8
Charlottetown Airport			July	72	68.8	79.9
Charlottetown Airport			August	120.4	127.5	95.7
Charlottetown Airport			Total	327.7	441.7	365.4
Dingwells Mills	46.362154	-62.432651	May	48.5	133.9	90.1
Dingwells Mills			June	38.9	35.3	90.7
Dingwells Mills			July	56.9	35.8	79.3
Dingwells Mills			August	95	82.0	88.9
Dingwells Mills			Total	239.3	287	349
East Point - EC	46.45227	-61.971635	May	59.1	102.5	93.1
East Point - EC			June	59.6	55.4	100.9
East Point - EC			July	42	44.4	86.6
East Point - EC			August	61.5	97.0	103.6
East Point - EC			Total	222.2	299.3	384.2
East Point- Newman	46.43554	-62.018632	May	55.3	96.6	93.1
East Point- Newman			June	64.6	68.4	100.9
East Point- Newman			July	57	36.2	86.6
East Point- Newman			August	78.2	82.6	103.6
East Point- Newman			Total	255.1	283.8	384.2
Elmwood	46.2508	-63.3342	May	69.1	160.8	85.6
Elmwood			June	72	78.2	98.3
Elmwood			July	81.5	23.6	78.6
Elmwood			August	71.4	123.7	87.5
Elmwood			Total	294	386.3	350
Fanning Brook	46.32419	-62.8141	May	35.3	111.8	91
Fanning Brook			June	29.5	73.2	98.8
Fanning Brook			July	50.3	40.1	79.9
Fanning Brook			August	83.6	71.6	95.7
Fanning Brook			Total	198.7	296.7	365.4
Flat River	45.999949	-62.852003	May	57.9	100.3	91
Flat River			June	53.1	64.5	98.8
Flat River			July	66.5	24.6	79.9
Flat River			August	100.6	79.0	95.7
Flat River			Total	278.1	268.4	365.4
Foxley River	46.7208	-64.0356	May	41.7	175.3	102.9
Foxley River			June	85.9	78.2	84.8
Foxley River			July	64.3	15.2	96
Foxley River			August	68.8	49.0	87.7
Foxley River			Total	260.7	317.7	371.4
Glen Valley	46.34884	-63.439941	May	33.8	149.4	85.6
Glen Valley			June	31.7	95.0	98.3

Glen Valley			July	19.6	38.9	78.6
Glen Valley			August	42.4	81.3	87.5
Glen Valley			Total	127.5	364.6	350
Grand Tracadie CoCo	46.375508	-63.035	May	na	127.3	91
Grand Tracadie CoCo			June		84.6	98.8
Grand Tracadie CoCo			July		37.8	79.9
Grand Tracadie CoCo			August		95.8	95.7
Grand Tracadie CoCo			Total		345.5	365.4
Hampton	46.2003	-63.4652	May	46.2	123.4	94.9
Hampton			June	22.9	57.4	91.3
Hampton			July	72.6	32.8	74.1
Hampton			August	57.7	105.2	92.7
Hampton			Total	199.4	318.8	353
Harrington CDA	46.342506	-63.169736	May	57	155.9	91
Harrington CDA			June	72	75.3	98.8
Harrington CDA			July	39.4	42.6	79.9
Harrington CDA			August	134.6	99.2	95.7
Harrington CDA			Total	303	373	365.4
Hope River	46.43816	-63.40707	May	na	111.5	85.6
Hope River			June		18.0	98.3
Hope River			July		18.5	78.6
Hope River			August		41.7	87.5
Hope River			total		189.7	350
Maple Plains	46.3028	-63.575567	May	68.2	143.6	94.9
Maple Plains			June	72.2	87.4	91.3
Maple Plains			July	46	37.4	74.1
Maple Plains			August	101.4	100.8	92.7
Maple Plains			total	287.8	369.2	353
Mill Cove	46.374	-63.03508	May			91
Mill Cove			June		68.3	98.8
Mill Cove			July		33.0	79.9
Mill Cove			August		102.6	95.7
Mill Cove			Total		203.9	365.4
Morell CoCo	46.427407	-62.708696	May	51.3	109.2	91
Morell CoCo			June	52.8	73.4	98.8
Morell CoCo			July	54.4	25.7	79.9
Morell CoCo			August	86.9	70.4	95.7
Morell CoCo			Total	245.4	278.7	365.4
New Glasgow	46.408911	-63.350289	May	81.6	177.0	85.6
New Glasgow			June	81.6	72.4	98.3
New Glasgow			July	45	72.2	78.6
New Glasgow			August	113.8	75.6	87.5
New Glasgow			Total	322	397.2	350
New London CoCo	46.469849	-63.49209	May	74.9	179.8	85.6
New London CoCo			June	71.9	91.2	98.3
New London CoCo			July	37.3	26.2	78.6
New London CoCo			August	92.2	65.0	87.5
New London CoCo			Total	276.3	362.2	350
North Cape	47.05806	-63.998611	May	108.5	161.9	92.7
North Cape			June	133	64.7	82.1

North Cape			July	66.6	45.4	86.3
North Cape			August		72.6	79.7
North Cape			Total	308.1	344.6	340.8
Orwell Cove	46.13153	-62.869768	May	62.7	100.8	91
Orwell Cove			June	32.3	48.8	98.8
Orwell Cove			July	45.8	43.4	79.9
Orwell Cove			August	92.7	79.0	95.7
Orwell Cove			Total	233.5	272	365.4
Peakes CoCo	46.3067423	-62.7512365	May	na	126.5	91
Peakes CoCo			June		56.6	98.8
Peakes CoCo			July		41.1	79.9
Peakes CoCo			August		71.6	95.7
Peakes CoCo			Total		295.8	365.4
Peters Road	46.064393	-62.581808	May	92.9	134.9	91
Peters Road			June	67.9	94.5	98.8
Peters Road			July	76.6	52.1	79.9
Peters Road			August	141.7	119.2	95.7
Peters Road			Total	379.1	400.7	365.4
Savage Harbour	46.42587	-62.85565	May	na	new station 2017	91
Savage Harbour			June			98.8
Savage Harbour			July			79.9
Savage Harbour			August		59.0	95.7
Savage Harbour			Total		59	365.4
St. Catherines	46.182023	-63.286157	May	64.5	139.7	91
St. Catherines			June	49.5	54.1	98.8
St. Catherines			July	62	33.3	79.9
St. Catherines			August	76.2	113.0	95.7
St. Catherines			Total	252.2	340.1	365.4
Stratford CoCo	46.235766	-63.082083	May	na	138.9	91
Stratford CoCo			June		85.3	98.8
Stratford CoCo			July		46.5	79.9
Stratford CoCo			August		116.1	95.7
Stratford CoCo			Total		386.8	365.4
Summerside	46.44111	-63.83806	May	62.2	148.4	94.9
Summerside			June	56.7	69.0	91.3
Summerside			July	60.3	25.6	74.1
Summerside			August	82.8	45.1	92.7
Summerside				262	288.1	353
Tignish	46.9453	-64.0516	May	90.9	139.2	92.7
Tignish			June	119.4	57.0	82.1
Tignish			July	47.8	21.4	86.3
Tignish			August	64.3	54.0	79.7
Tignish			Total	322.4	271.6	340.8
Wellington CoCo	46.466721	-63.989196	May	62.5	172.0	94.9
Wellington CoCo			June	45.2	90.9	91.3
Wellington CoCo			July	39.1	42.2	74.1
Wellington CoCo			August	86.1	54.1	92.7
Wellington CoCo			Total	232.9	359.2	353
White Sands	45.97	-62.558	May	75.2	83.6	91
White Sands			June	49.8	38.6	98.8

White Sands			July	51.8	19.0	79.9
White Sands			August	79.8	71.1	95.7
White Sands			Total	256.6	212.3	365.4
Winsloe South	46.292358	-63.1727104	May	71.4	152.1	91
Winsloe South			June	74.2	67.1	98.8
Winsloe South			July	64.8	51.3	79.9
Winsloe South			August	115.8	131.6	95.7
Winsloe South			Total	326.2	402.1	365.4

Sources:

Environment Canada Climate Data Archives and associated websites

WUnderground.com

CoCoRaHS.org/Canada

AgraWeather Atlantic Website

Michael Radvanyi

PEIStormChaser

CBC News

D. Jardine, UPEI Climate Research Lab, October 23, 2017.