#### **New Brunswick**

## June 2019 Review July 2019 and Summer/Fall Outlook

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#### June 2019; Climate Summary

		Mean Temperature (°C)			Total Precip (mm)				
		Station			Diff from	Monthly	Normal		, Diff from Normal
Station Name	TC ID	Туре	Mean	Mean	Normal	Total	Total	of Normal	
BAS CARAQUET	WXS	AU8	13.8	15.0	-1.2				
BAS CARAQUET		DAILY				72.0	74.9	96	-4
BATHURST A	ZBF	NCA	14.6	15.9	-1.3	65.3	96.9	67	-33
BOUCTOUCHE CDA CS	ABT	AU8	15.1	15.2	-0.1	121.7	95.3	128	28
CHARLO AUTO	ZCR	AU8	14.0	14.6	-0.6				
MIRAMICHI RCS	ACQ	AU8	15.2	15.7	-0.5	68.2	86.3	, 79	-21
DOAKTOWN AUTO RCS	ADN	AU8	14.9	16.0	-1.1	53.6	95.4	3 56	-44
EDMUNDSTON	ERM	AU8	13.2	15.2	-2.0	65.7	97.4	67	-33
FREDERICTON INTL A	YFC	NCA	15.7	16.2	-0.5	93.9	82.4	114	14
FREDERICTON CDA CS	AFC	AU8	15.7	16.4	-0.7				
GAGETOWN AWOS A	YCX	AU5	15.5	16.4	-0.9	72.5	86.1	84	-16
GRAND MANAN SAR CS	XGM	AU8	13.6						
KOUCHIBOUGUAC	AKC	AU8	14.7	15.5	-0.7				
MECHANIC SETTLEMENT	AMS	AU8	14.3						
MISCOU ISLAND (AUT)	WMI	AU8	13.0						
MONCTON INTL A	YQM	NCH	14.7	15.2	-0.5	128.9	94.6	_ 136	36
OAK POINT		DAILY	15.1	16.4		140.3	86.1	کر <sub>163</sub>	63
POINT LEPREAU CS	WPE	AU8	13.0	12.8	<u>0.2</u>				
RED PINES	ARP	AU8	13.9	15.4	-1.5	55.4	83.6	66	-34
SAINT JOHN A	YSJ	NCH				160.2	101.0	159	59
SUSSEX FOUR CORNERS	ASF	AU8	15.3	16.0	-0.7	116.9	88.4	132	32
WOODSTOCK		DAILY	15.2	16.3	-1.0	111.6	91.0	123	23
WOODSTOCK NEWBRIDGE	EWD	AU8	14.6	16.3	-1.7	105.2	91.0	116	16
Average			14.5	15.6	-0.9	95.4	90.0	106	6
Max			15.7	16.4	0.2	160.2	101.0	163	63
Min			13.0	12.8	-2.0	53.6	74.9	56	-44

#### **Highlights:**

The average temperature was below normal (-0.9C). All sites (with the exception of Point Lepreau) reported a negative anomaly with Edmundston reporting the largest negative anomaly at -2.0C below normal.

Total precipitation amounts were near normal, with an average of 106% of total precipitation. Generally, the north was drier (55-80% of normal) but the south was wetter (115-160% of normal).

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#### June 2019; Climate Summary

#### **Events:**

**June 10;** first day of 25°C (or warmer) for the province in 2019. September 18<sup>th</sup> 2018 was the last day the province reached this temperature.

**June 11-12**; A low pressure system brought some much need rain to the parts of the province especially the northwest. On average, 5-20 mm fell across the province with the exception of Grand Manan which received 30 mm.

**June 13-14**; Rain event. Most of the province reported 10-20 mm. Grand Manan and the Crowe Brook area both recorded 32 mm.

**June 14**; A cold front brought thunderstorms and pea-size hail to parts of the northwest late in the afternoon.

**June 20-21**; Rain event. Northern and central areas of the province reported 15-30 mm while southern areas of the province reported 40-60 mm. 71 mm fell at Grand Manan.

Days with thunderstorm activity (lightning) in New Brunswick; 3 14 19 23 26 27 28 29 30

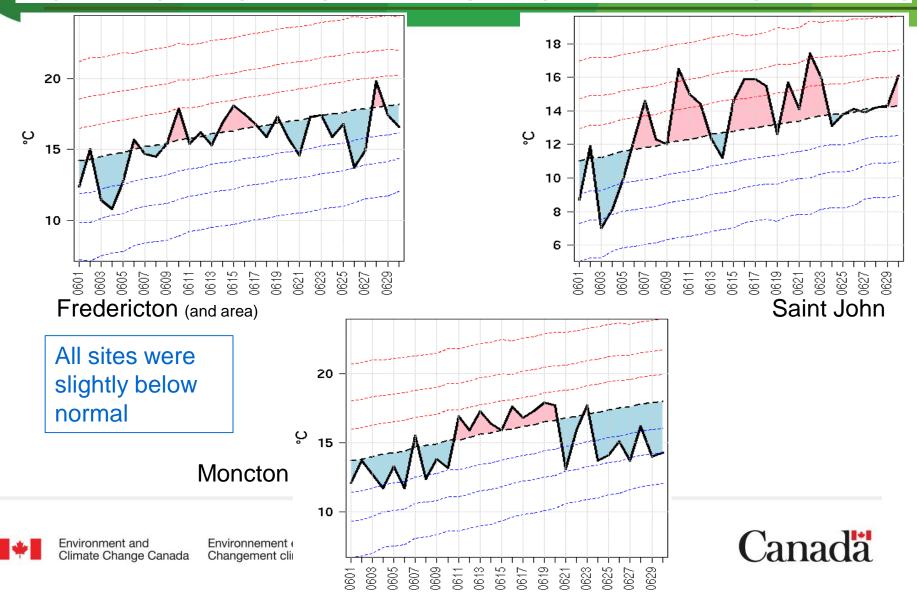
Days with temperature records broken or tied in New Brunswick; 1 25 (red=maximum, blue=minimum)





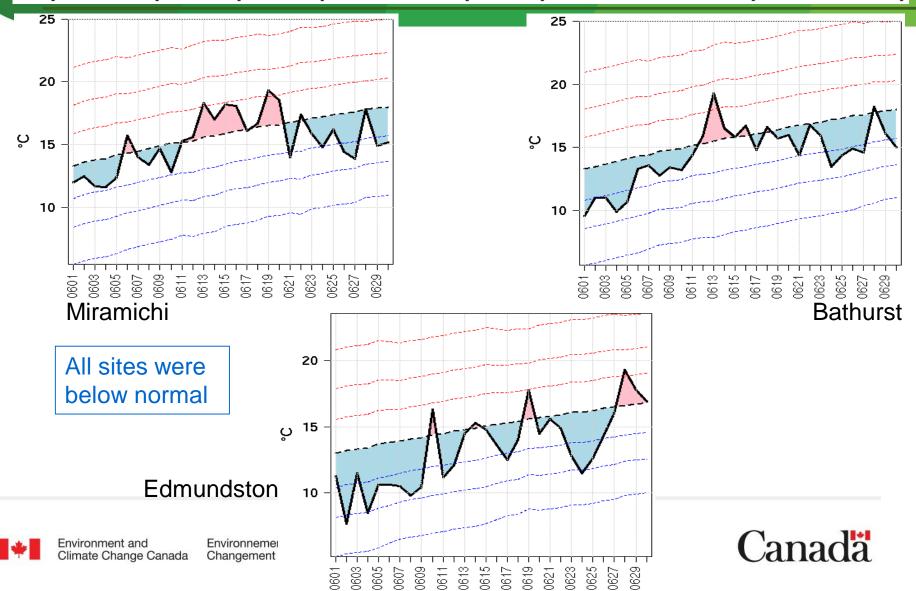
#### June 2019 - Temperature

Daily Mean Temperature (bold line) versus Normal (thin line) and +/- 0.7, 1.3, 2.1 SD (red/blue dashes)



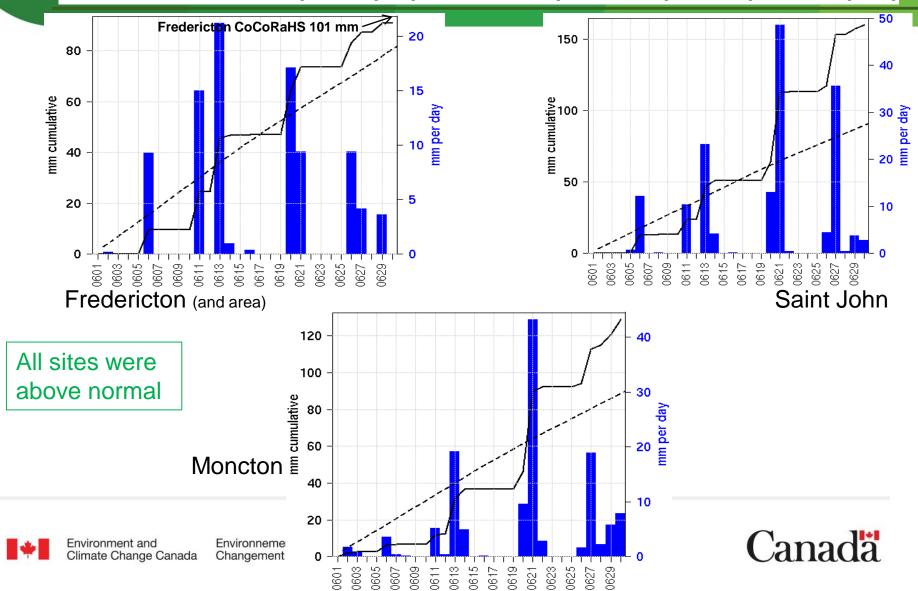
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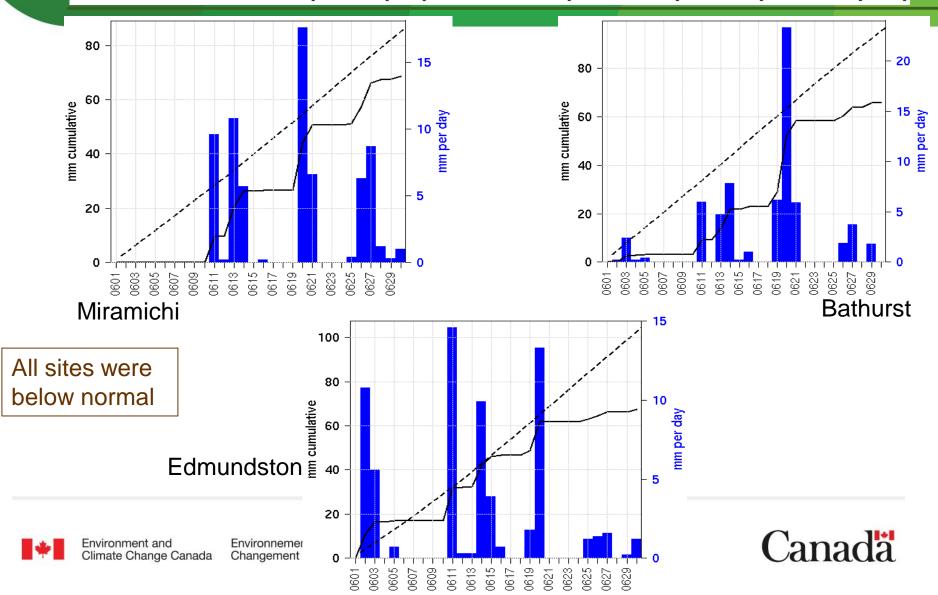
#### **June 2019 - Precipitation**

Observed Cumulative Precipitation (line) versus Normal (dashed line) and Daily Amounts (bars)

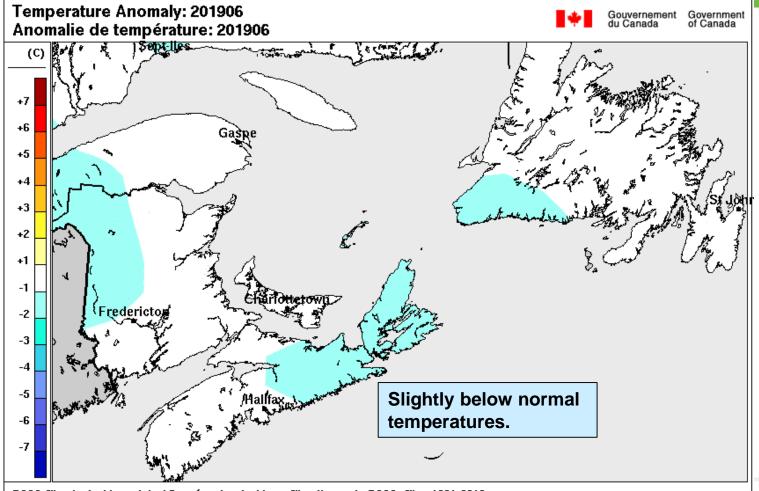


#### **June 2019 - Precipitation**

Observed Cumulative Precipitation (line) versus Normal (dashed line) and Daily Amounts (bars)



# June 2019 – Temperature departure from 1981-2010 mean

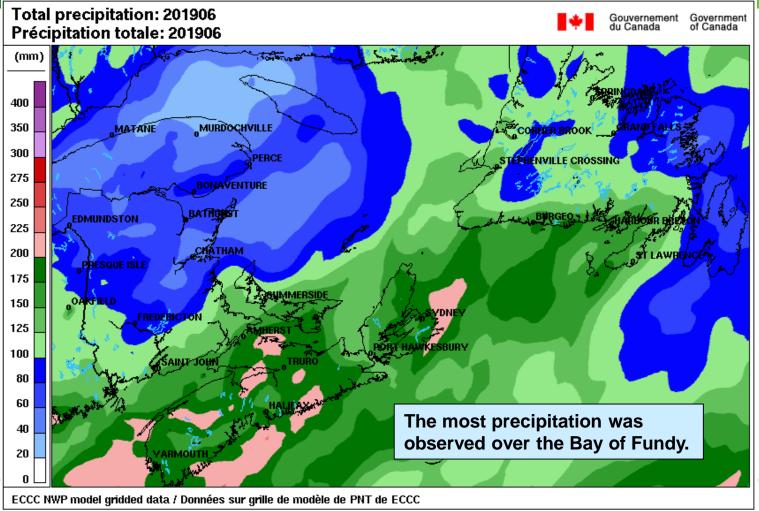


ECCC Climate Archives data / Données des Archives Climatiques de ECCC. Clim: 1981-2010





#### June 2019 – Total precipitation

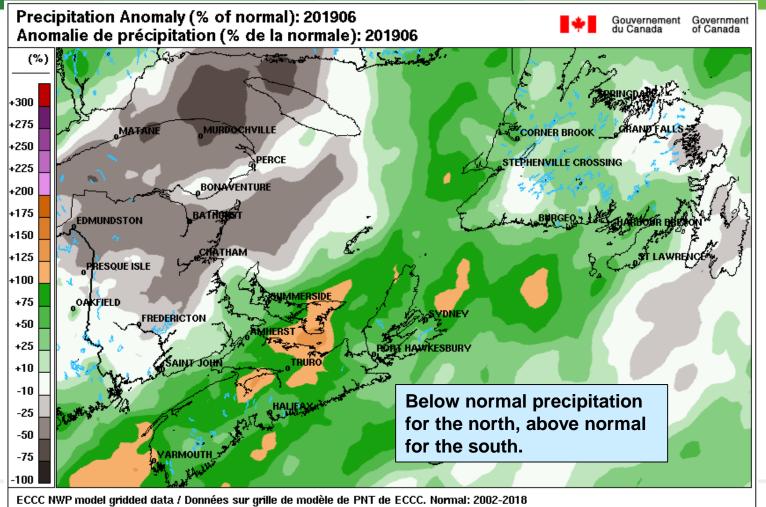




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#### June 2019 – Precipitation departure from 1981-2010 mean



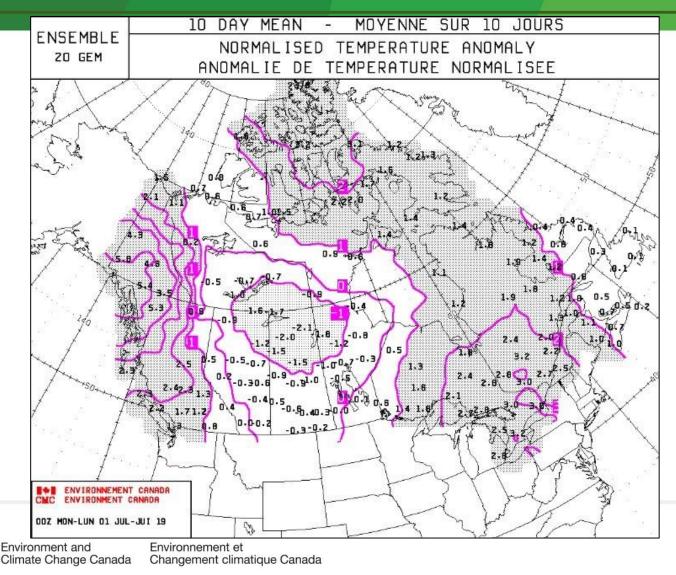


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#### Outlook – 10 day mean temperature

(Suggesting slightly above normal conditions (+0.8 to +1.5°C))



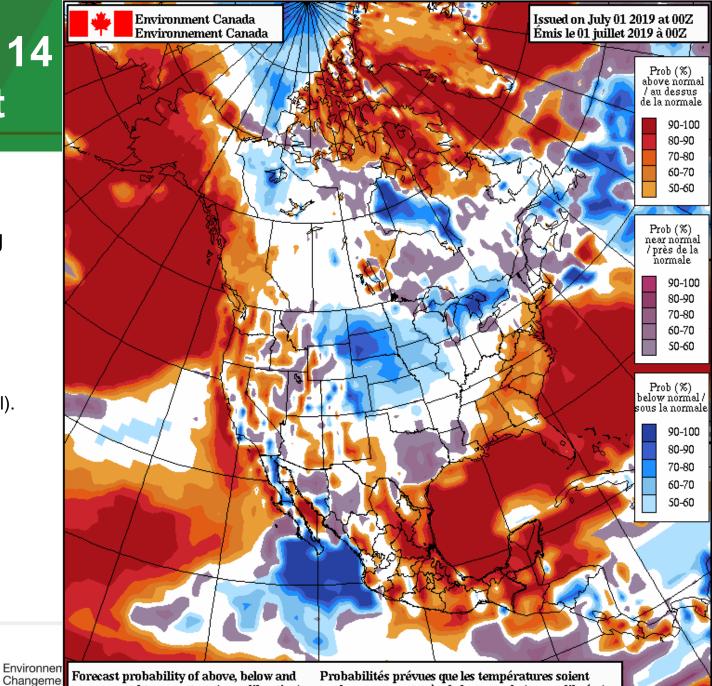
10 day forecast ending July 11, 2019



### Day 8 to 14 Forecast

Period ending July 16, 2019

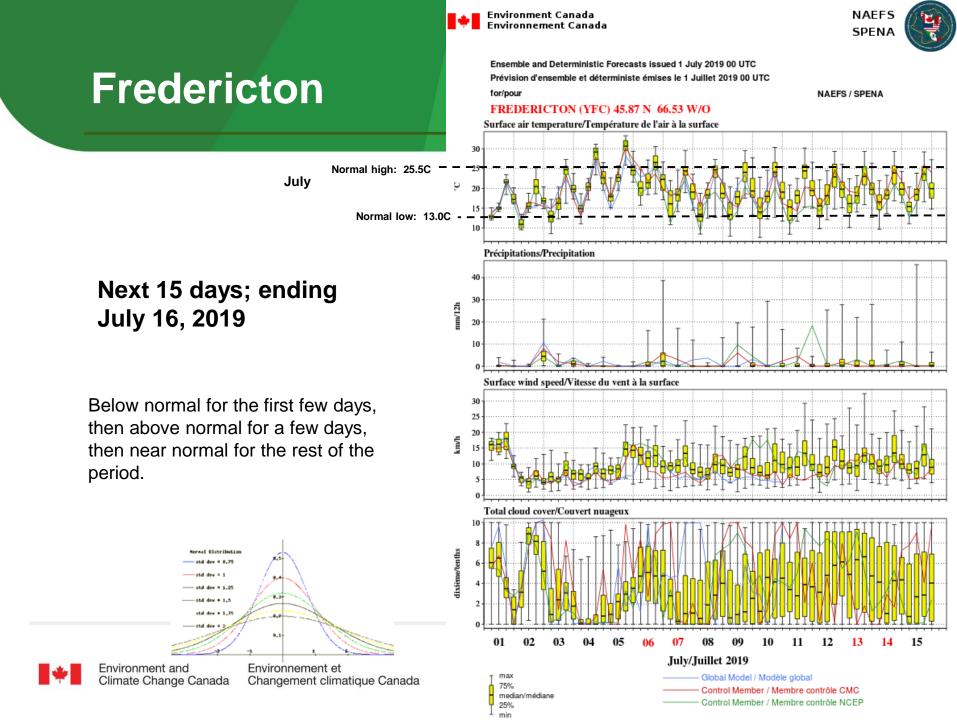
No real conclusive signal (near normal).

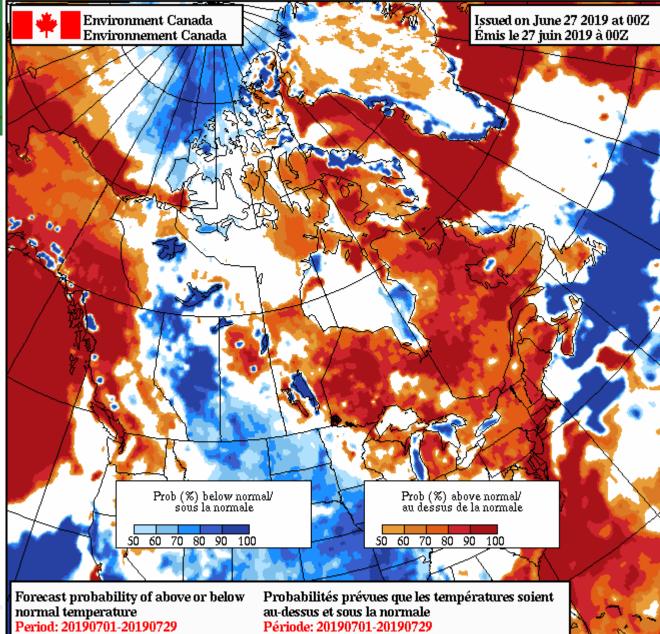




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Forecast probability of above, below and near normal temperature (no calibration) Period: 20190709-20190716 Probabilités prévues que les températures soient au-dessus, sous et près de la normale (non-calibrées) Période: 20190709-20190716





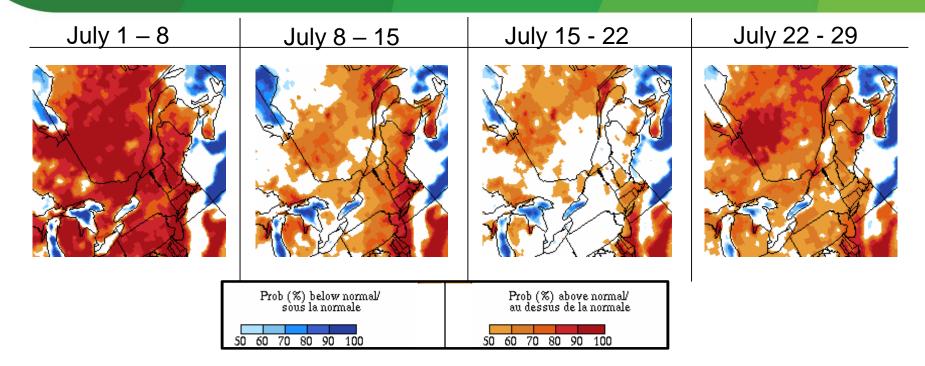
Temperature **July 1** to July 29

CMC Monthly Forecast Product using GEPS 50km res.

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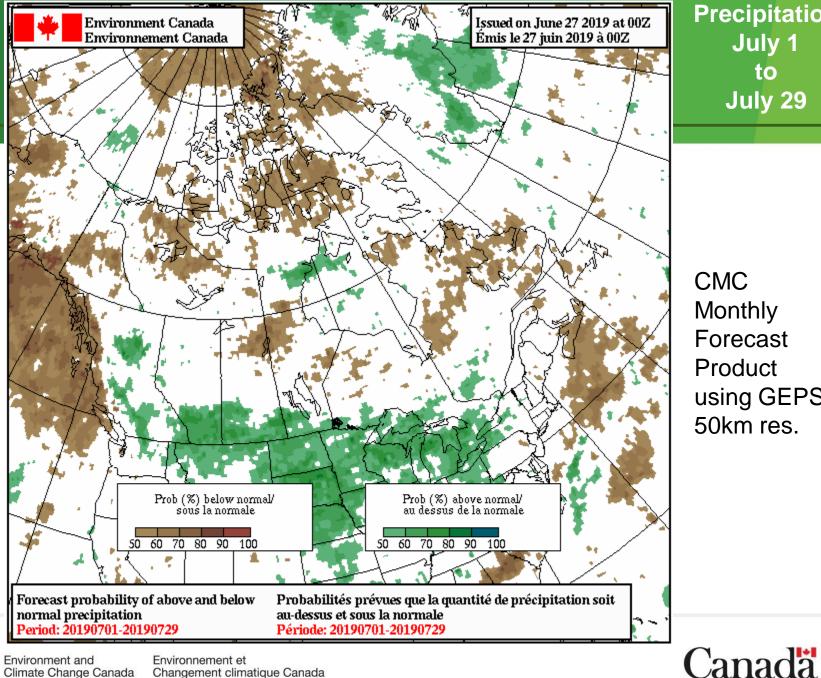
#### Weekly signature from GEPS 50km resolution



Overall, a weak to moderate signal of above normal with the exception of the Fundy coast and the Acadian peninsula which are indicating no conclusive signal for the period.





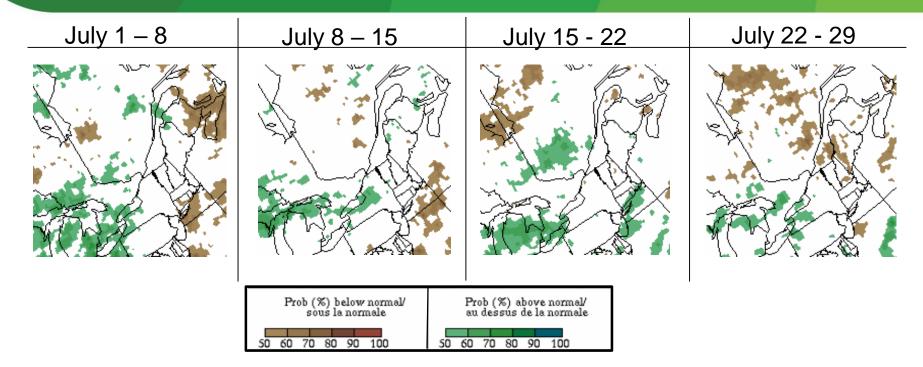


**Precipitation July 1** to July 29

CMC Monthly Forecast Product using GEPS 50km res.

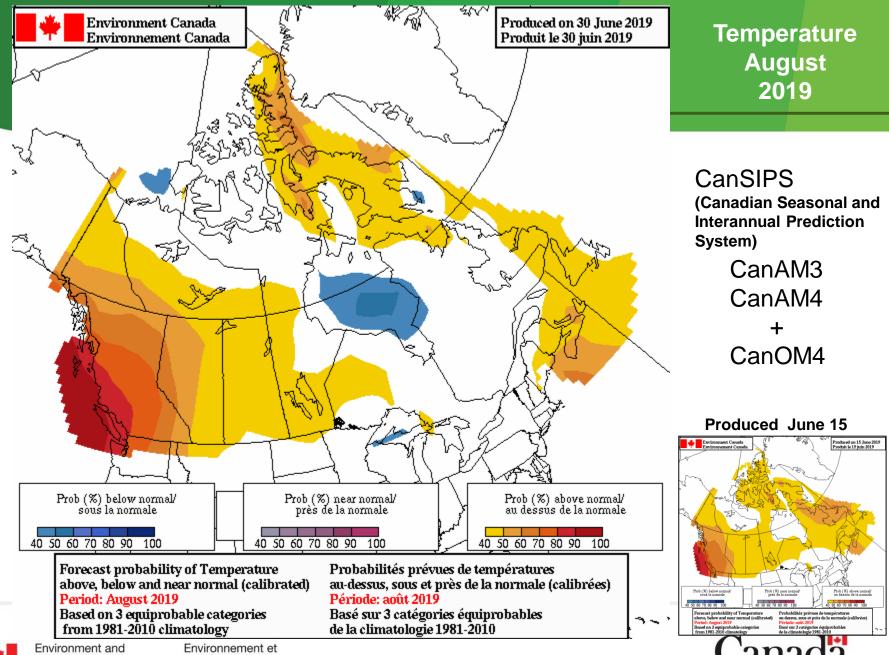


#### Weekly signature from GEPS 50km resolution



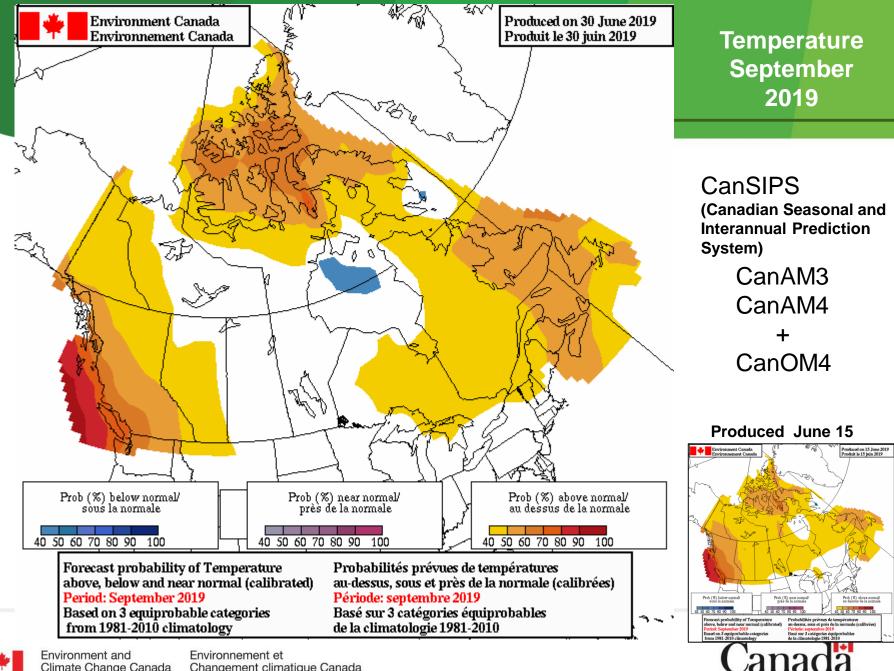
A weak signal for below normal for southeastern sections during the first week and then no real conclusive signal.





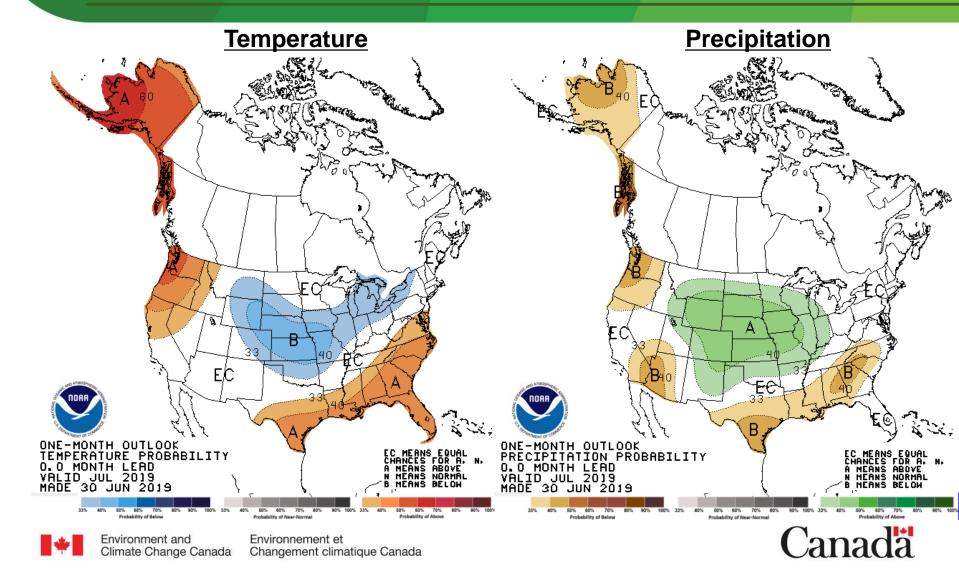
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