

NWS Form E-5  
(04-2006)  
(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

**WFO Caribou, Maine**

**MONTHLY REPORT OF HYDROLOGIC CONDITIONS**

REPORT FOR:  
MONTH            YEAR  
**May            2019**

TO: Hydrologic Information Center, W/OS31  
NOAA's National Weather Service  
1325 East West Highway  
Silver Spring, MD 20910-3283

SIGNATURE  
**Joseph Hewitt, HPM**

DATE  
**June 26, 2019**

*When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).*

An X inside this box indicates that no flooding occurred within this hydrologic service area.

**May 2019**

May came in colder than normal with temperatures 2 to 4 degrees below normal. May 2019 was the coolest May in Caribou, Millinocket and Bangor since 2005. Houlton recorded the coolest May since 1974. Caribou's average temperature for May was 48.8 degrees, which was 2.7 degrees below normal. Bangor recorded an average monthly temperature of 51.1 degrees, which was 2.6 degrees below normal. Lows in the mid 20s to low 30s were observed in most inland areas from central Penobscot and central Washington County on north during the morning of the 28<sup>th</sup>. Caribou recorded a low temperature of 31 degrees on the 28<sup>th</sup>, which broke the old record of 32 degrees set back in 1994.

Precipitation was variable across the region with far northern Maine seeing precipitation below normal, while the Bangor region to the Downeast recorded precipitation above normal. Caribou recorded 3.19 inches of precipitation, which was 0.14 inches below normal for May. Bangor came in with 4.43 inches, which was 0.79 inches above normal. There was a trace of snow observed in Caribou on the 14<sup>th</sup> and again on the 15<sup>th</sup>.

Streamflows across the HSA were near to slightly above normal. The highest flow were across the Downeast region.

Groundwater conditions continued at above normal levels for May. Calais came in at the High range for May.

In regards to Drought Monitoring, conditions for the entire HSA remained in normal range.

**Precipitation Totals for Select Locations with all units in inches**

Location	Total Precip	Normal Precipitation	Departure from Normal	Snowfall	Normal Snowfall	Departure from	Greatest Snow Depth
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						<b>Normal Snowfall</b>	
Frenchville	2.93	3.04	-0.11	NA	NA	NA	NA
Caribou	3.19	3.33	-0.14	NA	NA	NA	NA
Houlton	2.60	3.30	-0.70	NA	NA	NA	NA
*Millinocket	4.13	3.34	+0.79	NA	NA	NA	NA
Bangor	4.43	3.64	+0.79	NA	NA	NA	NA

\*Millinocket snowfall measured at wastewater treatment plant, not the ASOS site. Data was not available at this time.

### Stream Flows for Selected Rivers

<b>River</b>	<b>Normal Flow (cfs)</b>	<b>Monthly Mean Flow (cfs)</b>	<b>Monthly Mean (in)</b>	<b>Percentile Class</b>	<b>Drainage (mi<sup>2</sup>)</b>	<b>Years of Record</b>
St. John River at Ninemile Bridge	4510-8780	8200	7.05	Normal	1341	68
St. John River at Fort Kent	20400 - 42200	33300	6.48	Normal	5929	92
Aroostook River at Washburn	4780-9400	7350	5.12	Normal	1654	88
Narraguagus River at Cherryfield	423-823	888	4.51	Above Normal	227	70
E Br Penobscot River at Grindstone	3040-6320	5400	7.44	Normal	837	116
Mattawamkeag nr Mattawamkeag	3540-6730	6030	4.90	Normal	1418	84
Piscataquis River nr Dover-Foxcroft	692 - 1650	1240	4.90	Normal	298	116

### Groundwater Levels

<b>Station</b>	<b>Normal Range (ft)</b>	<b>Mean Water Level Below Land-sfc Datum (ft)</b>	<b>Departure from Month-end Median (ft)</b>	<b>Percentile Class</b>	<b>Years of Record</b>
McFarland Hill	NA	NA	NA	NA	15
Crooked Road	NA	NA	NA	NA	15
Hadley Lakes	4.39 – 3.76	3.34	-0.84	Much Above Normal	33
Kenduskeag	20.40 – 19.00	18.32	-1.18	Above Normal	41
Calais	1.74 – 0.43	-0.38	-1.38	High	19
Millinocket	8.54 – 7.20	6.72	-11.6	Above Normal	24

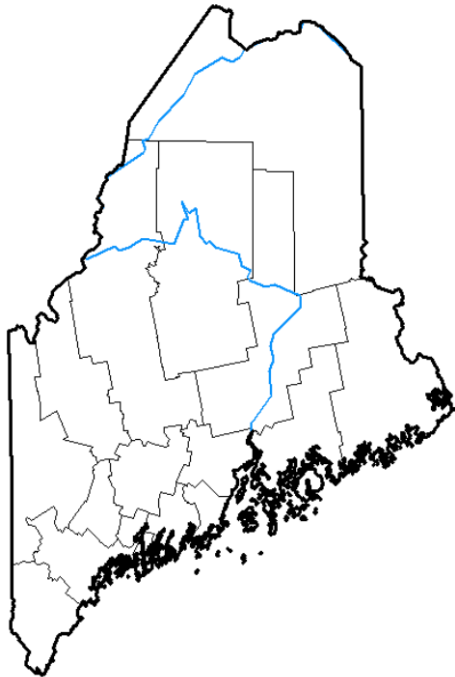




# Drought Conditions for May

May 7<sup>th</sup>, 2019

## U.S. Drought Monitor Maine



**May 7, 2019**

(Released Thursday, May 9, 2019)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	100.00	0.00	0.00	0.00	0.00	0.00
<b>Last Week</b> 04-30-2019	100.00	0.00	0.00	0.00	0.00	0.00
<b>3 Months Ago</b> 02-05-2019	100.00	0.00	0.00	0.00	0.00	0.00
<b>Start of Calendar Year</b> 01-01-2019	94.48	5.52	0.00	0.00	0.00	0.00
<b>Start of Water Year</b> 09-25-2018	41.90	58.10	4.89	0.00	0.00	0.00
<b>One Year Ago</b> 05-09-2018	100.00	0.00	0.00	0.00	0.00	0.00

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

*The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.*

Author:

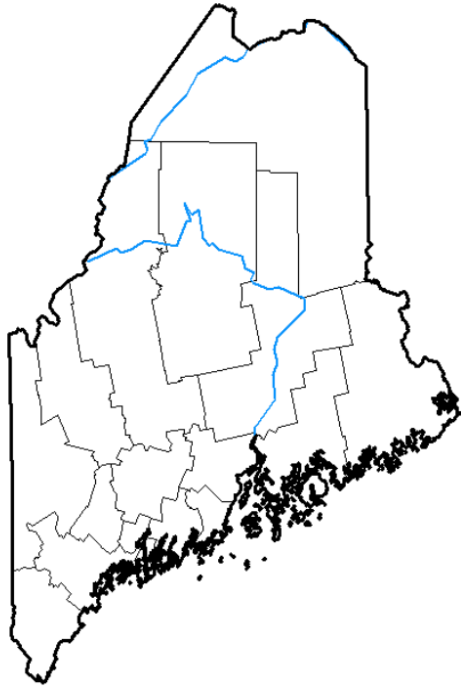
Curtis Riganti  
National Drought Mitigation Center



<http://droughtmonitor.unl.edu/>

May 28th , 2019

**U.S. Drought Monitor**  
**Maine**



**May 28, 2019**  
(Released Thursday, May. 30, 2019)  
Valid 8 a.m. EDT

*Drought Conditions (Percent Area)*

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	100.00	0.00	0.00	0.00	0.00	0.00
<b>Last Week</b> <i>05-21-2019</i>	100.00	0.00	0.00	0.00	0.00	0.00
<b>3 Months Ago</b> <i>02-26-2019</i>	100.00	0.00	0.00	0.00	0.00	0.00
<b>Start of Calendar Year</b> <i>01-01-2019</i>	94.48	5.52	0.00	0.00	0.00	0.00
<b>Start of Water Year</b> <i>09-25-2018</i>	41.90	58.10	4.89	0.00	0.00	0.00
<b>One Year Ago</b> <i>05-29-2018</i>	100.00	0.00	0.00	0.00	0.00	0.00

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

*The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.*

Author:

Richard Heim  
NCEI/NOAA



<http://droughtmonitor.unl.edu/>