

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
June 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
July 22nd, 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.

June 2019

One Areal Flood Advisory for Urban and Small Stream issued back on the 30th. No flooding reported.

June came in slightly colder than normal with temperatures ranging from near normal to 1.5 degrees below normal. Caribou's average temperature for June was 60.4 degrees, which was 0.3 degrees below normal. Bangor recorded an average monthly temperature of 62.4 degrees, which was 0.8 degrees below normal. The last significant frost/freeze occurred across the northern and central areas on the morning of the 1st. Caribou recorded its first 80 degree day on the 19th. Further north, such as at Frenchville, there were no recorded 80 degree days for the month of June.

Precipitation was above normal from Houlton southward to the coast, while from the Caribou-Presque Isle area to the Maine-Canadian border, precipitation was below normal. Caribou recorded 2.91 inches of precipitation, which was 0.57 inches below normal for June. Bangor came in with 5.33 inches, which was 1.57 inches above normal.

Streamflows across the HSA were near to slightly above normal. The highest flow were across the Downeast region, such as the Narraguagus River at Cherryfield, which recorded above normal streamflows.

Groundwater conditions were above normal levels for June with the exception of Clayton Lake and Kenduskeag. Calais and Hadley Lakes came with much above normal levels.

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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						Normal Snowfall	
Frenchville	2.99	3.85	-0.86	NA	NA	NA	NA
Caribou	2.91	3.48	-0.57	NA	NA	NA	NA
Houlton	4.20	3.65	+0.55	NA	NA	NA	NA
*Millinocket	4.83	4.07	+0.76	NA	NA	NA	NA
Bangor	5.33	3.76	+1.57	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

River	Normal Flow (cfs)	Monthly Mean Flow (cfs)	Monthly Mean (in)	Percentile Class	Drainage (mi²)	Years of Record
St. John River at Ninemile Bridge	1280-2830	2140	1.78	Normal	1341	68
St. John River at Fort Kent	7610 - 12500	8650	1.63	Normal	5929	92
Aroostook River at Washburn	1410-3150	1990	1.34	Normal	1654	88
Narraguagus River at Cherryfield	208-487	594	2.92	Above Normal	227	71
E Br Penobscot River at Grindstone	1300-2850	1900	2.53	Normal	837	116
Mattawamkeag nr Mattawamkeag	1080-2610	1630	1.28	Normal	1418	84
Piscataquis River nr Dover-Foxcroft	238- 637	371	1.39	Normal	298	116

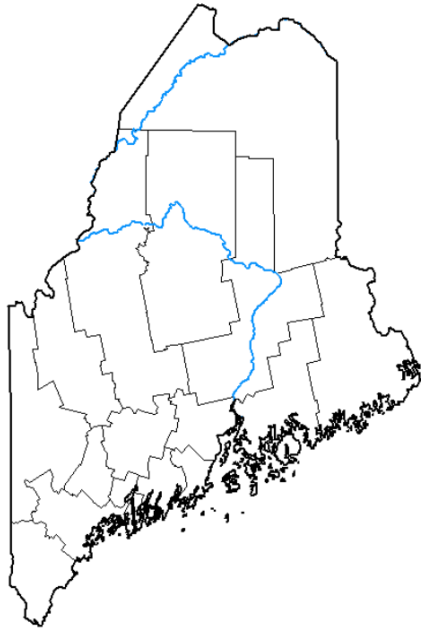
Groundwater Levels

Station	Normal Range (ft)	Mean Water Level Below Land-sfc Datum (ft)	Departure from Month-end Median (ft)	Percentile Class	Years of Record
McFarland Hill	NA	NA	NA	NA	15
Amherst	20.30-19.20	18.32	-1.29	Above Normal	29
Hadley Lakes	5.03-4.31	3.92	-0.76	Much Above Normal	33
Kenduskeag	22.10 – 20.40	20.49	-0.81	Normal	41
Calais	2.30 – 0.90	0.38	-1.40	Much Above Normal	19

Drought Conditions for June

June 4th, 2019

U.S. Drought Monitor Maine



June 4, 2019

(Released Thursday, Jun. 6, 2019)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	100.00	0.00	0.00	0.00	0.00	0.00
Last Week <small>05-28-2019</small>	100.00	0.00	0.00	0.00	0.00	0.00
3 Months Ago <small>03-05-2019</small>	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year <small>01-01-2019</small>	94.48	5.52	0.00	0.00	0.00	0.00
Start of Water Year <small>09-25-2018</small>	41.90	58.10	4.89	0.00	0.00	0.00
One Year Ago <small>06-05-2018</small>	83.94	16.06	0.00	0.00	0.00	0.00

Intensity:

- None
- 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:

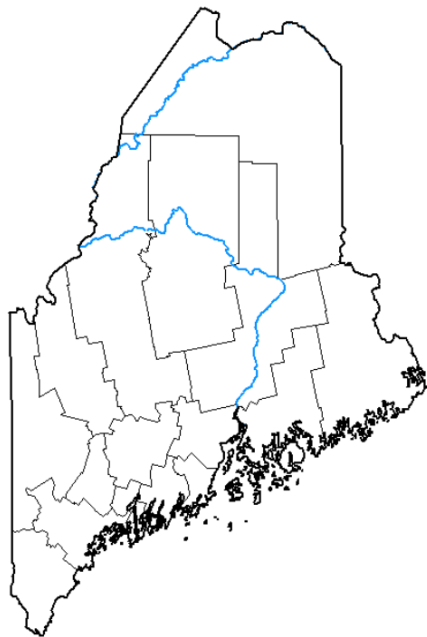
David Simeral
Western Regional Climate Center



droughtmonitor.unl.edu

June 25th , 2019

**U.S. Drought Monitor
Maine**



June 25, 2019

(Released Thursday, Jun. 27, 2019)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	100.00	0.00	0.00	0.00	0.00	0.00
Last Week <i>06-19-2019</i>	100.00	0.00	0.00	0.00	0.00	0.00
3 Months Ago <i>03-26-2019</i>	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year <i>01-01-2019</i>	94.48	5.52	0.00	0.00	0.00	0.00
Start of Water Year <i>09-25-2018</i>	41.90	58.10	4.89	0.00	0.00	0.00
One Year Ago <i>06-26-2018</i>	63.33	36.67	14.57	0.00	0.00	0.00

Intensity:

- None
- 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:

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CPC/NOAA



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