

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 2020
		SIGNATURE Joseph Hewitt, HPM
TO: Hydrologic Information Center, W/OS31 NOAA's National Weather Service 1325 East West Highway Silver Spring, MD 20910-3283		DATE June 29TH , 2020

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 2020

Some minor flooding occurred during the month of May. This occurred in NE Aroostook County on the 27th. Mainly culverts and ditches filling up with ponding of water.

Temperatures for the month of May were slightly below normal. The first half of the month came in below normal temperatures, but finished above normal during the last 10 days of the month. Caribou had a monthly average temperature of 51.3 degrees, which was 0.2 degrees below normal. Bangor had a monthly average temperature of 53.4 degrees, which was 0.3 degrees below normal. The warmest temperature in Caribou for the month was 91 degrees on the 28th. Bangor's warmest temperature for the month was 88 degrees on the 22nd. Caribou recorded its lowest temperature for the month of 29 degrees back on the 10th and 12th. Bangor recorded its lowest temperature for the month of 28 on the 6th.

Precipitation was below normal across the region. The biggest deficits were across the Maine Central Highlands down into the Bangor region and interior Downeast Maine. Caribou recorded 2.38 inches of precipitation which was 0.95 inches below normal. Bangor came in with 2.22 inches of precipitation, which was 1.42 inches below normal. Houlton came in with 2.93 inches of precipitation, which was 0.37 inches below normal.

Streamflows across the HSA were near normal for May.

Groundwater conditions were near normal across the region with the exception of eastern Washington County and NW Maine as groundwater levels were above normal. Calais came in with a reading much above normal.

In regards to Drought monitoring, the HSA continued to see normal conditions, with the exception for northern Somerset County, where Abnormally Dry conditions resulted.

Precipitation Totals for Select Locations with all units in inches

Location	Total Precip	Normal Precipitation	Departure from Normal	Snowfall	Normal Snowfall	Departure from Normal Snowfall	Greatest Snow Depth
Frenchville	1.95	3.04	-1.09	NA	NA	NA	NA
Caribou	2.38	3.33	-0.95	5.9	0.5	+5.4	4
Houlton	2.93	3.30	-0.37	NA	NA	NA	NA
*Millinocket	2.14	3.34	-1.20	NA	NA	NA	NA
Bangor	2.22	3.64	-1.42	1.0	0.1	+0.9	1

*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 (mi ²)	Years of Record
St. John River at Ninemile Bridge	4560 – 8750	7060	6.07	Normal	1341	69
St. John River at Fort Kent	20600 – 42200	32400	6.30	Normal	5929	93
Aroostook River at Washburn	4780 – 9400	7470	5.21	Normal	1654	89
Narraguagus River at Cherryfield	423 - 828	551	2.80	Normal	227	72
E Br Penobscot River at Grindstone	3060 – 6290	4400	6.06	Normal	837	117
Mattawamkeag nr Mattawamkeag	3540 -6720	40100	3.26	Normal	1418	85
Piscataquis River nr Dover-Foxcroft	694 – 1640	707	2.74	Normal	298	117

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
Amherst	18.50 – 17.50	17.26	-0.28	Normal	30
Crooked Road	NA	NA	NA	NA	15
Hadley Lakes	4.38 – 3.73	4.01	-0.11	Normal	34
Kenduskeag	20.40 – 18.90	20.29	-0.21	Normal	42

Calais	1.67 – 0.38	-0.21	-1.20	Much Above Normal	20
Millinocket	8.54 – 6.96	7.64	0.13	Normal	26
Clayton Lake	13.50 – 12.30	12.70	-0.30	Normal	41
Fort Kent	6.31 – 3.73	3.45	-1.47	Above Normal	42

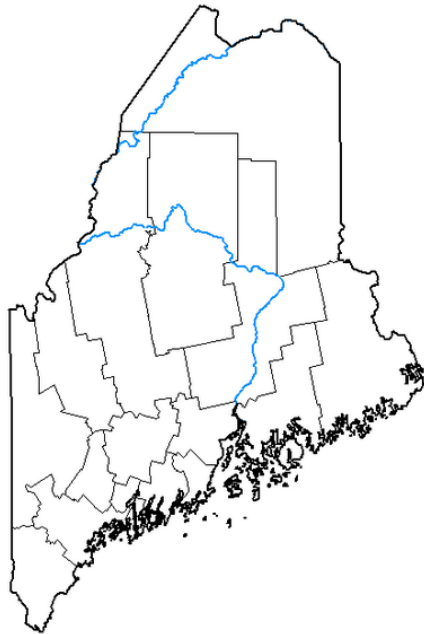
Flow or Water Level	Percentile Range	Explanation
Record Low	0 th	The monthly mean streamflow or median water level during this month is the lowest ever recorded during the period of record for this site.
Very Low	0 th to 10 th	The monthly mean streamflow or median water level during this month is less than the 10 th percentile when compared to all of the months during the period of record for this site.
Low	10 th to 25 th	The monthly mean streamflow or median water level during this month is between the 10 th and 25 th percentiles when compared to all of the months during the period of record for this site.
Normal	25 th to 75 th	The monthly mean streamflow or median water level during this month is between the 25 th and 75 th percentiles when compared to all of the months during the period of record for this site.
High	75 th to 90 th	The monthly mean streamflow or median water level during this month is between the 75 th and 90 th percentiles when compared to all of the months during the period of record for this site.
Very High	90 th to 100 th	The monthly mean streamflow or median water level during this month is greater than the 90 th percentile when compared to all of the months during the period of record for this site.
Record High	100 th	The monthly mean streamflow or median water level during this month is the highest ever recorded during the period of record for this site.

**Non-Routine Hydrologic Products
April 2020
WFO Caribou, ME**

PWMFLSCAR	2116Z	5/27/2020	Flood Advisory for Small Streams

Drought Conditions for May

U.S. Drought Monitor Maine



May 5, 2020

(Released Thursday, May 7, 2020)

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 04-28-2020	100.00	0.00	0.00	0.00	0.00	0.00
3 Months Ago 02-04-2020	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year 12-31-2019	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year 10-01-2019	87.45	12.55	0.00	0.00	0.00	0.00
One Year Ago 05-07-2019	100.00	0.00	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

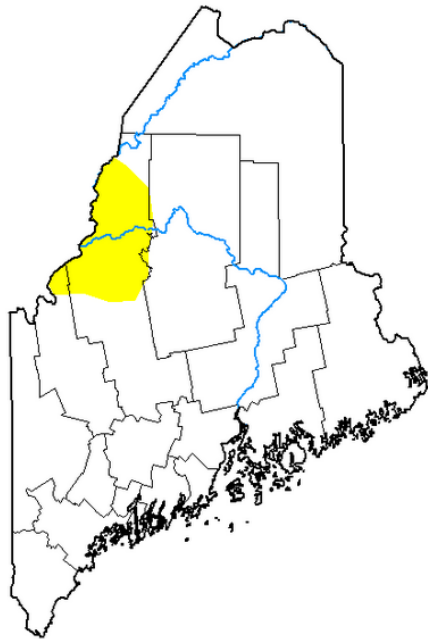
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:
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CPC/NOAA



droughtmonitor.unl.edu

U.S. Drought Monitor
Maine



May 26, 2020

(Released Thursday, May 28, 2020)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	93.80	6.20	0.00	0.00	0.00	0.00
Last Week 05-19-2020	100.00	0.00	0.00	0.00	0.00	0.00
3 Months Ago 02-25-2020	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year 12-31-2019	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year 10-01-2019	87.45	12.55	0.00	0.00	0.00	0.00
One Year Ago 05-28-2019	100.00	0.00	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. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

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National Drought Mitigation Center



droughtmonitor.unl.edu