

November Climate Summary

ISSUED BY THE NATIONAL WEATHER SERVICE GRAND RAPIDS MI

By William Marino

November began with temperatures that averaged fairly close to normal with little if any precipitation from the 1st through the 11th. A brief period of milder weather occurred from the 12th through the 14th when temperatures generally averaged about 10 to 15 degrees above normal. Temperatures returned to near normal levels during the 3rd week of November before another brief warm-up with temperatures averaging 5 to 15 degrees above normal occurred from the 19th through the 21st. Temperatures once again returned to close to normal values during the last week of November. Over the area, this was the coolest November since 2002.

Rainfall across the area was well below normal. Many of the cities in Southwest Lower Michigan, near and west of US-131 were in the top ten driest Novembers on record.

- Muskegon set a new second driest November on record with only 0.50 inches of precipitation. The previous record for second driest November was 0.60 inches, set in 1936. The driest November on record for Muskegon remains 0.04 inches, set in 1904.
- Grand Rapids had the eighth driest November on record with 1.06 inches. The driest November on record is 0.04 inches, set in 1904.
- Lansing was dry with only 1.38 inches of rain, however since their records go back to 1863, that put November 2007 in 28th place. The driest year there was 1904 too, with only 0.04 inches of rainfall.
- Holland's November was the 11th driest on record with 1.44 inches of rain. Holland's driest November on record is 0.60 inches of rain, set in 1936. Holland's records start in 1905, so they did not keep records during the dry year of 1904.
- Big Rapids had the eighth driest November on record, 1904 being the driest November with no precipitation at all.

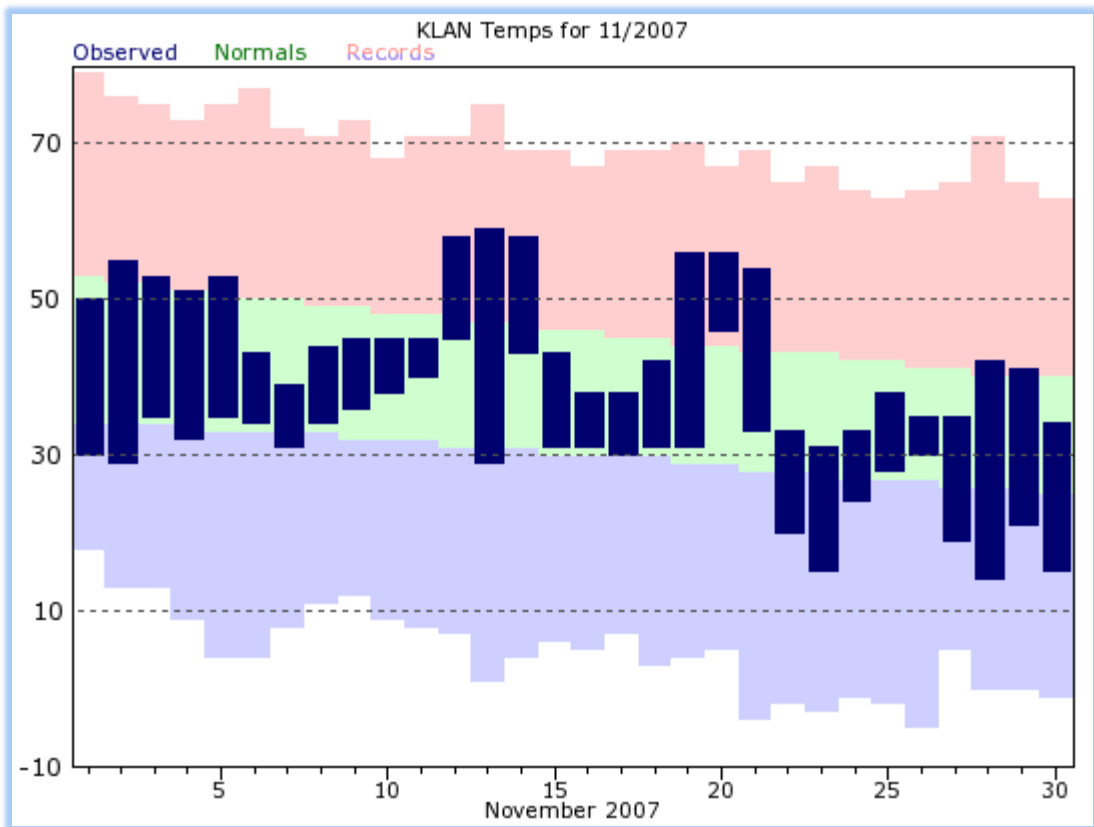
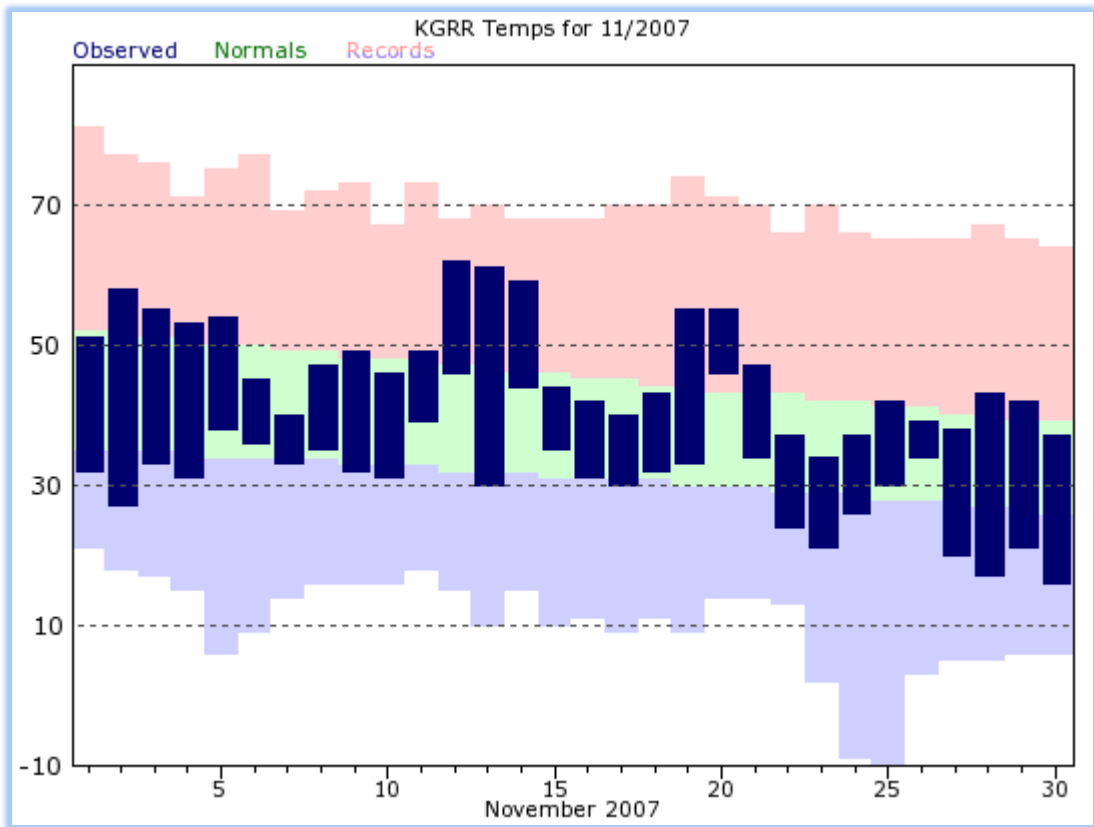
Even so, there was a significant rainfall event during the month. An area of rain moved through portions of Lower Michigan on the 21st. On the 21st Lansing set a daily record with 0.89 inches of rainfall, breaking the previous record of 0.77 inches set in 1979.

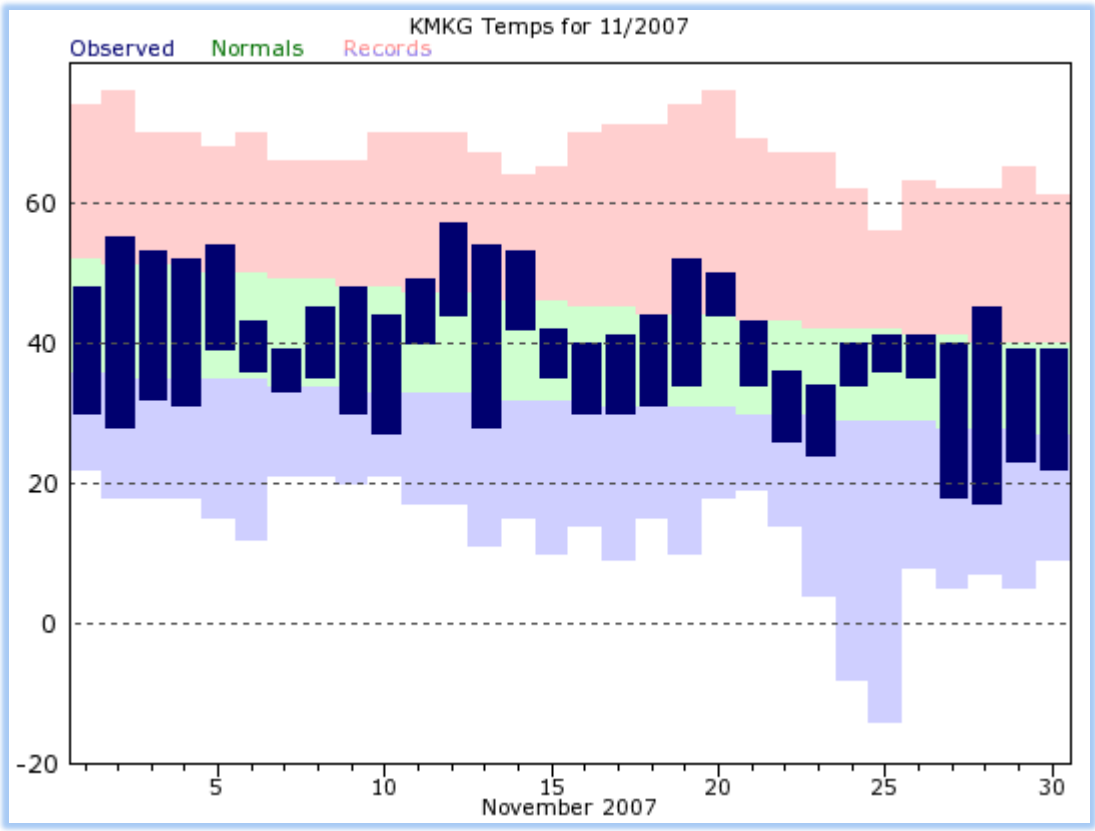
Snowfall was well below normal across the area for the second November in a row. Measurable snow was also recorded across portions of our area on the 21st and 22nd. Grand Rapids had 4 tenths of an inch of snow on the 21st and 6 tenths of an inch on the 22nd. Lansing had 1.9 inches of snow on the 22nd. There were several reports of one to three inches of snow from the evening hours of the 22nd through the morning hours of the 23rd across much of Central Lower Michigan.

High non-thunderstorm winds were reported on the 6th. Wind gusts of 35 to 50 mph were reported across most of the area, with gusts of 55 to 65 mph recorded in close proximity to the Lake Michigan shoreline.

Location		Temperature (degrees F)	Precipitation (inches)	Snowfall (inches)
Grand Rapids	<i>Reported</i>	39.0°	1.06	2.9
	<i>Normal</i>	38.4°	3.35	7.7
	<i>Departure</i>	0.6°	-2.29	-4.8
Lansing	<i>Reported</i>	37.6°	1.36	3.0
	<i>Normal</i>	38.0°	2.66	5.1
	<i>Departure</i>	-0.4°	-1.30	-2.1
Muskegon	<i>Reported</i>	38.5°	0.50	0.1
	<i>Normal</i>	38.7°	3.23	8.7
	<i>Departure</i>	-0.2°	-2.73	-8.6

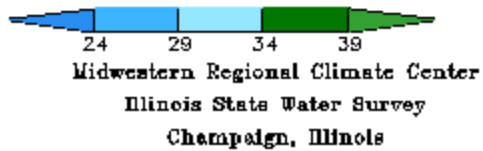
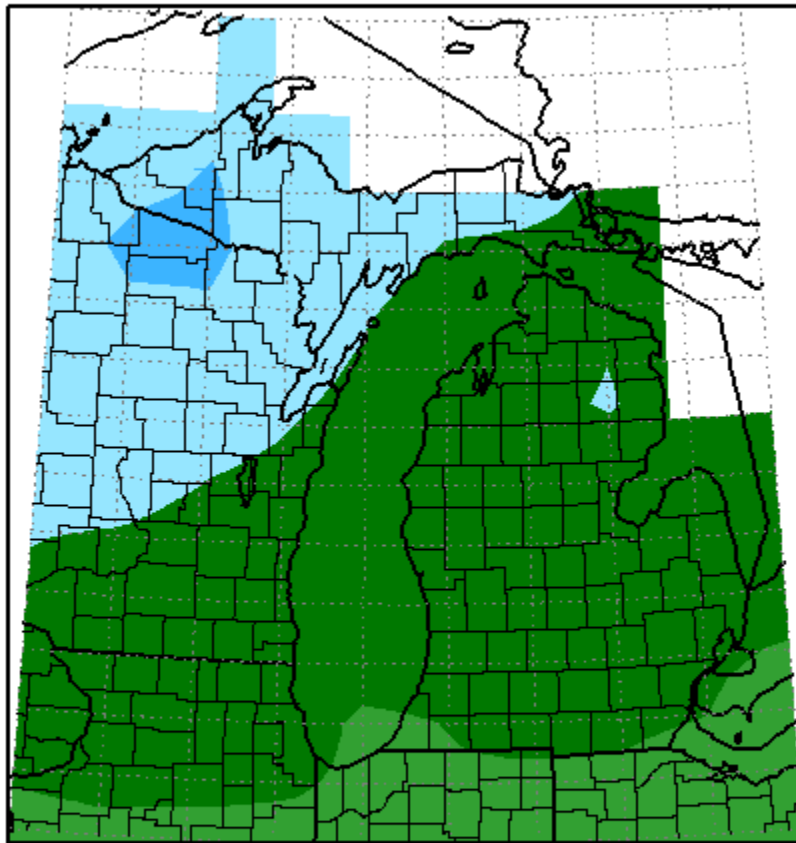
Table 1: Temperature, precipitation, and snowfall amounts for November 2007 for Grand Rapids, Lansing, and Muskegon.



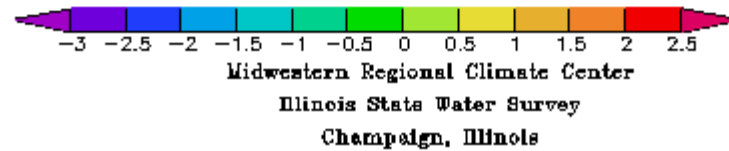
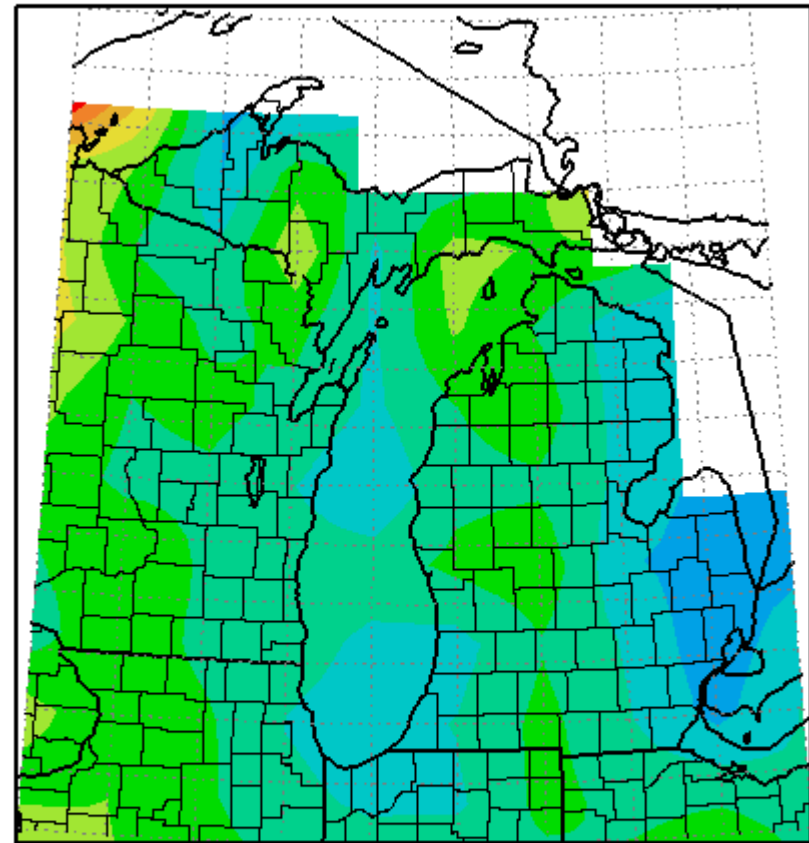


The following graphs represent the average temperature, precipitation, snowfall that fell across Michigan.
Graphics should be used with caution as smoothing is used

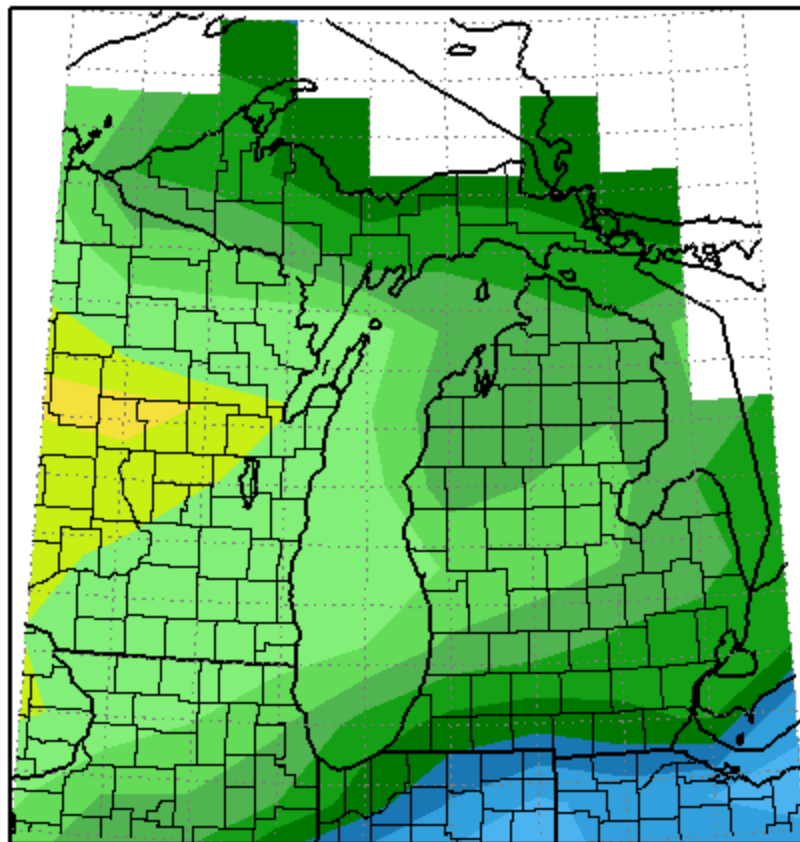
Average Temperature in Degrees F
November 1, 2007 to November 30, 2007



Average Temperature Departure from Mean in Degrees F
November 1, 2007 to November 30, 2007



Total Precipitation in Inches
November 1, 2007 to November 30, 2007

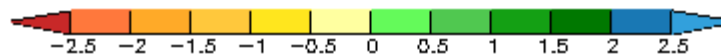
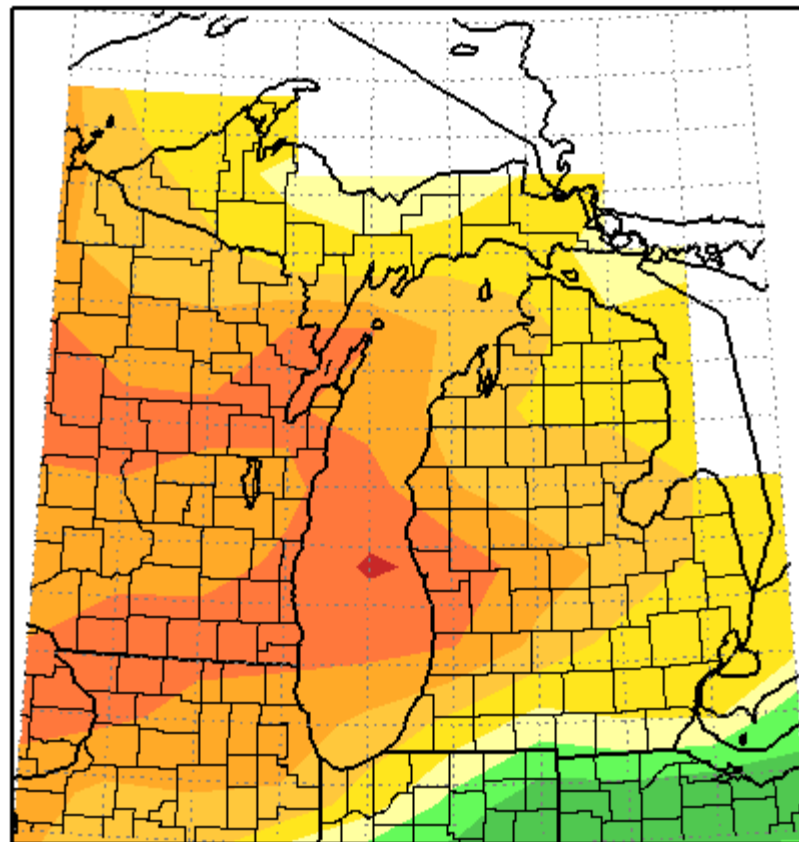


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Champaign, Illinois

Total Precipitation Departure from Mean in Inches
November 1, 2007 to November 30, 2007

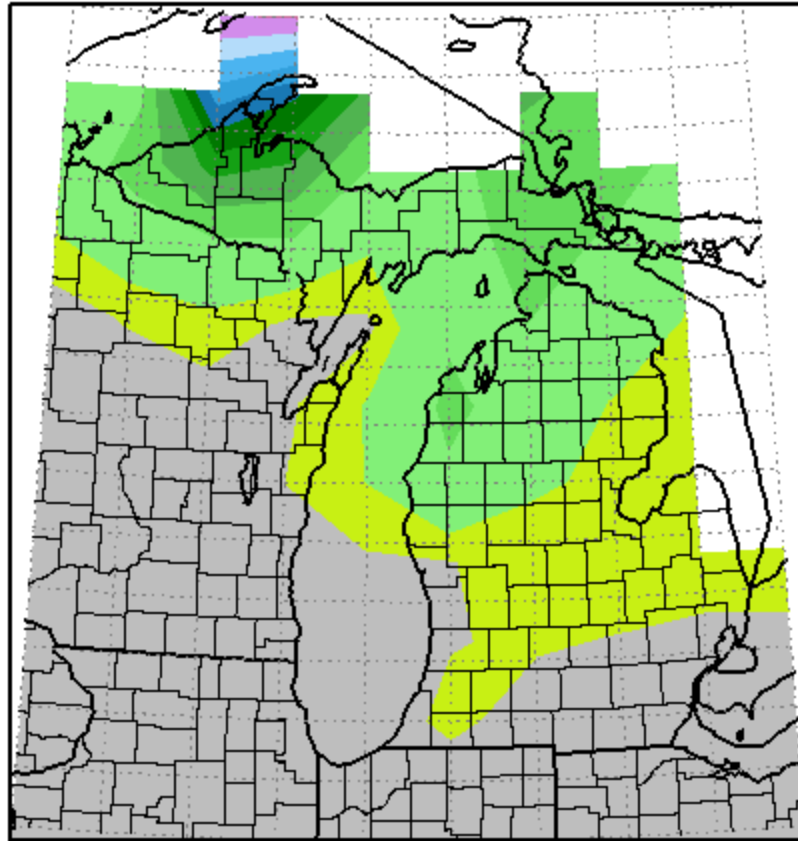


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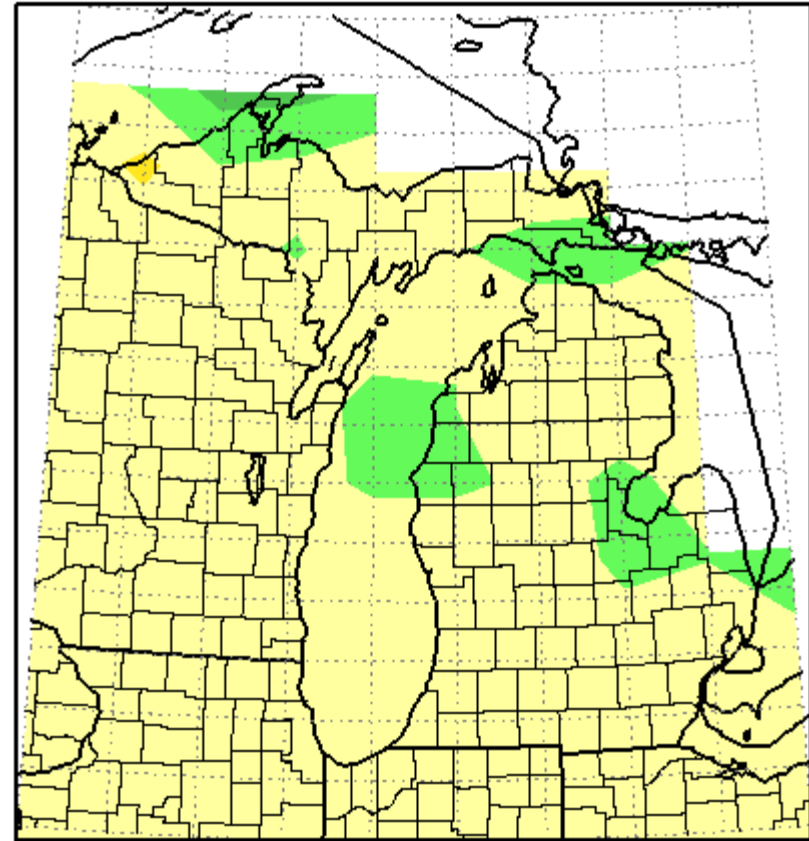
Illinois State Water Survey

Champaign, Illinois

Total Snowfall in Inches
November 1, 2007 to November 30, 2007



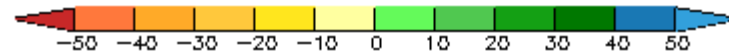
Total Snowfall Departure from Mean in Inches
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