

# September 2016 Climate Summary for Southwest Lower Michigan

*NOAA / National Weather Service - Grand Rapids, MI*

## Overview

September 2016 was notably warmer than normal across Southwest Lower Michigan (Figure 2). Muskegon recorded its warmest September on record (records began there in 1896). Average temperature in Grand Rapids and Lansing was in the top ten warmest on record.

Temperatures were consistently warmer than normal through the first three weeks of September, with daily highs mainly in the 70s and 80s. Some locations even hit 90 degrees on September 6<sup>th</sup>. Temperatures dipped back to reality during the last week of the month, with highs in the 60s. Above normal low temperatures kept the daily averages closer to normal during the final week of September.

Rainfall was variable across the area in September. Many areas saw below normal rainfall, with two significant exceptions (Figure 4). Areas to the northwest of Grand Rapids received above normal rainfall, as did areas southeast of Lansing. In fact, it was a top ten wettest September in Muskegon. Muskegon set consecutive daily rainfall records on September 6-7, 2016. 4.24 inches fell in Muskegon over those two days.

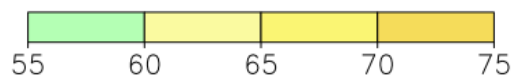
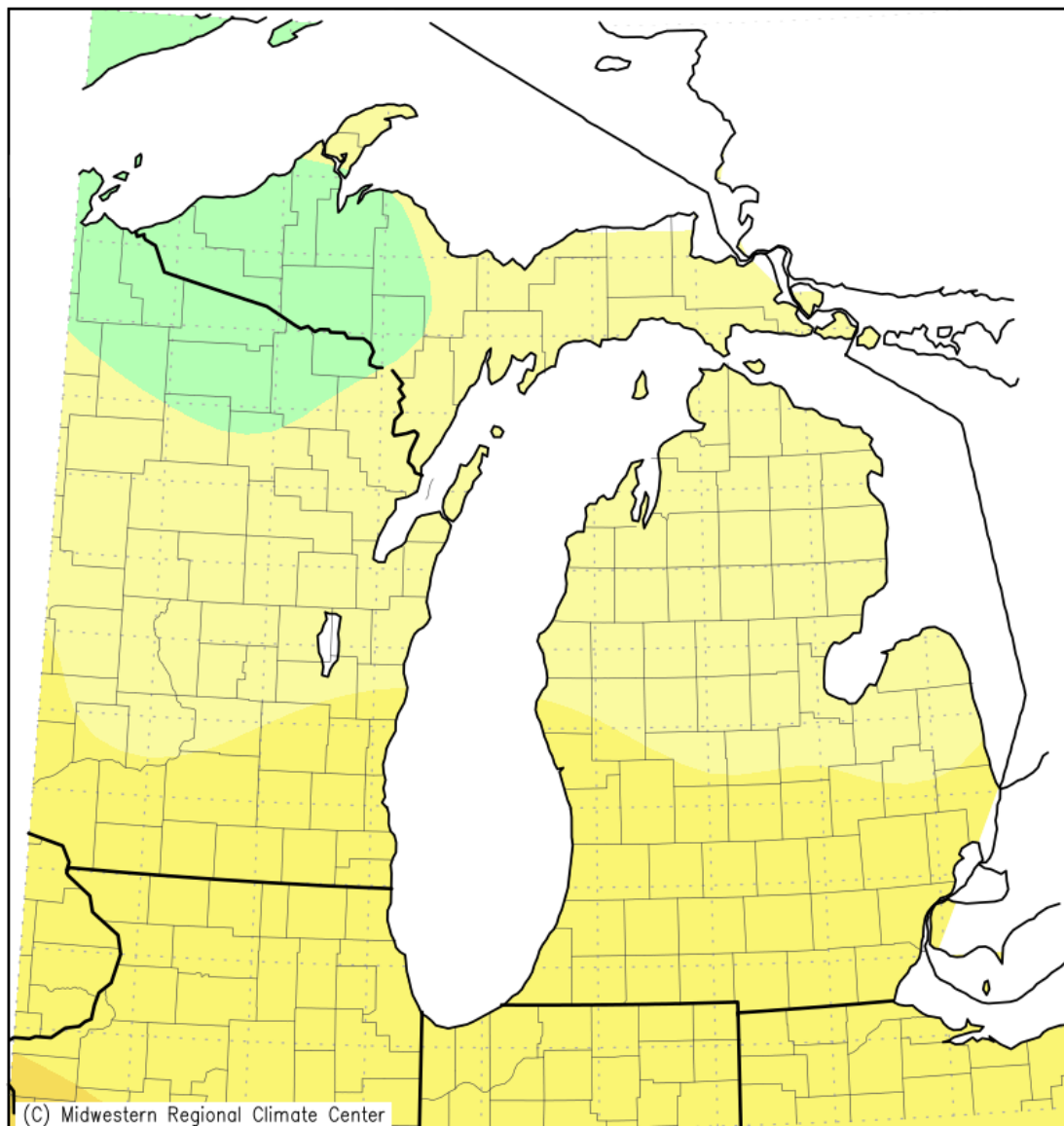
## September 2016 Climate Summary for Southwest Lower Michigan

Location		Average Temperature (°F)	Precipitation (inches)
Grand Rapids	Observed	66.4	2.40
	Normal	62.8	4.28
	Above/Below Normal	+3.6	- 1.88
Lansing	Observed	66.0	3.35
	Normal	61.9	3.50
	Above/Below Normal	+4.1	- 0.15
Muskegon	Observed	67.3	5.92
	Normal	62.1	3.89
	Above/Below Normal	+5.2	+2.03

Table 1. Reported temperature and precipitation amounts for September 2016 at the primary climate stations in Southwest Lower Michigan, including their departures from normal.

## September 2016 Climate Summary for Southwest Lower Michigan

Average Temperature (°F)  
September 1, 2016 to September 30, 2016

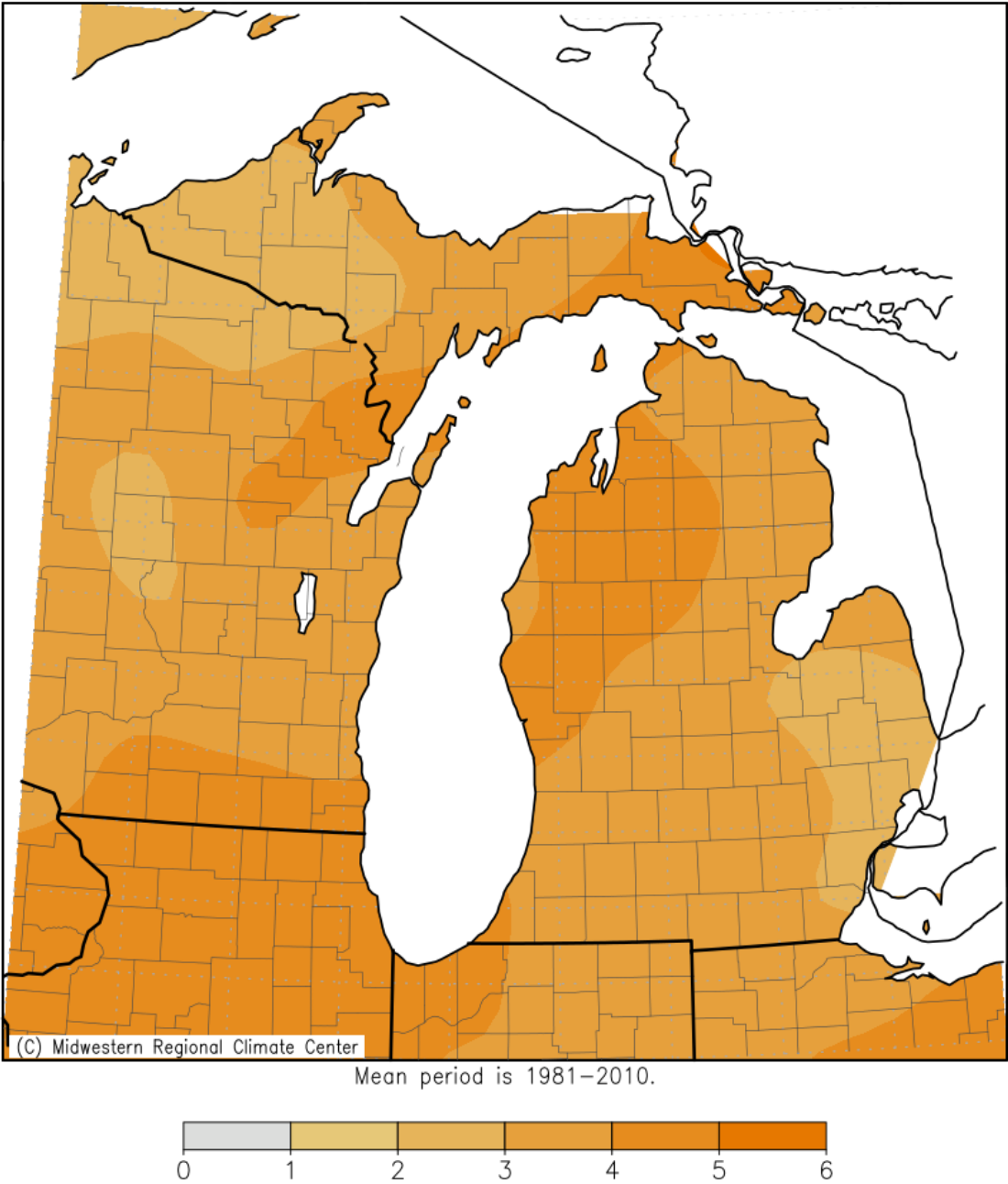


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Figure 1. Average Temperature (°F) for September 2016.

September 2016 Climate Summary for Southwest Lower Michigan

Average Temperature (°F): Departure from Mean  
September 1, 2016 to September 30, 2016

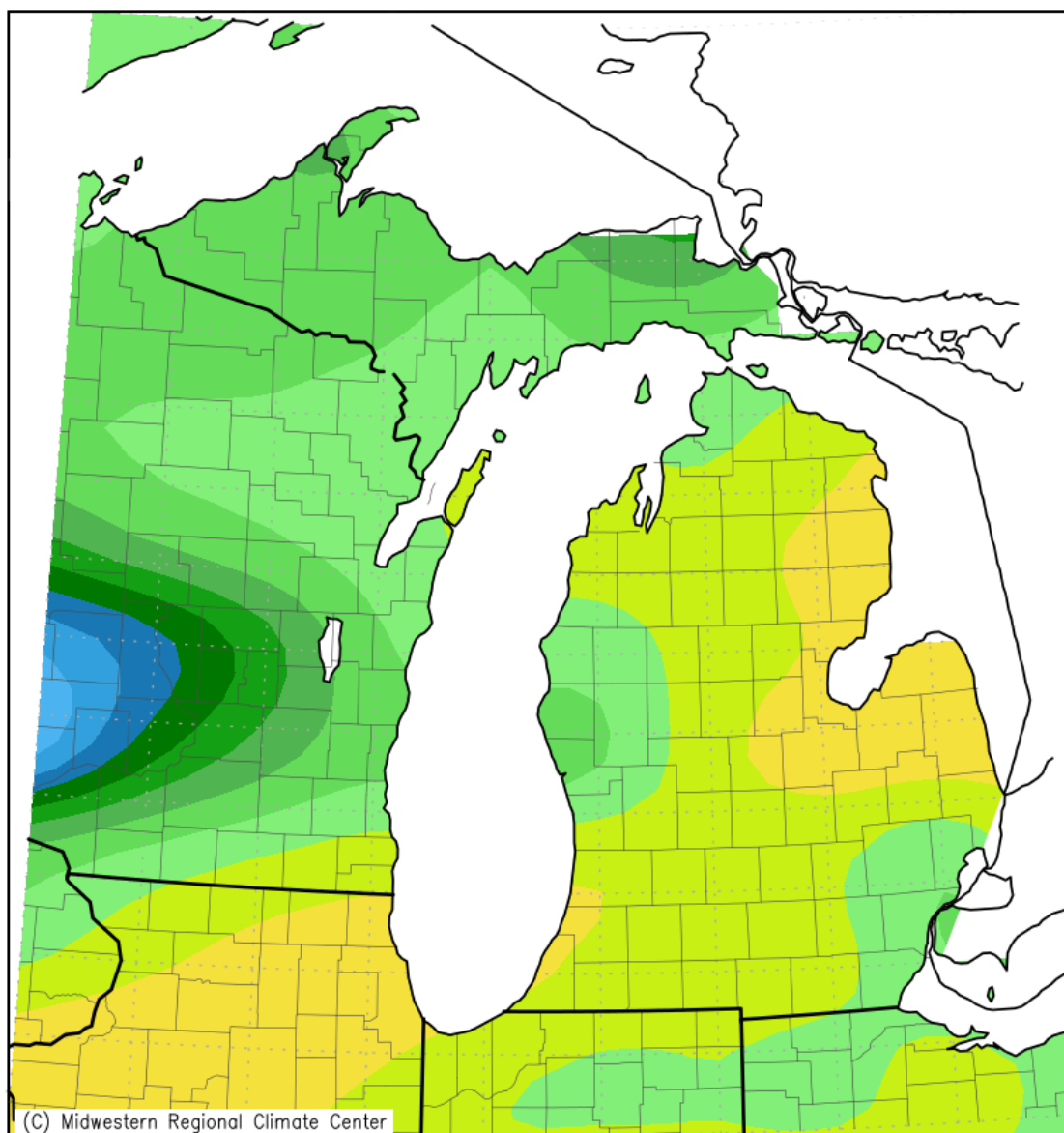


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Figure 2. Average Temperature Departure from Mean (°F) for September 2016.

## September 2016 Climate Summary for Southwest Lower Michigan

Accumulated Precipitation (in)  
September 1, 2016 to September 30, 2016

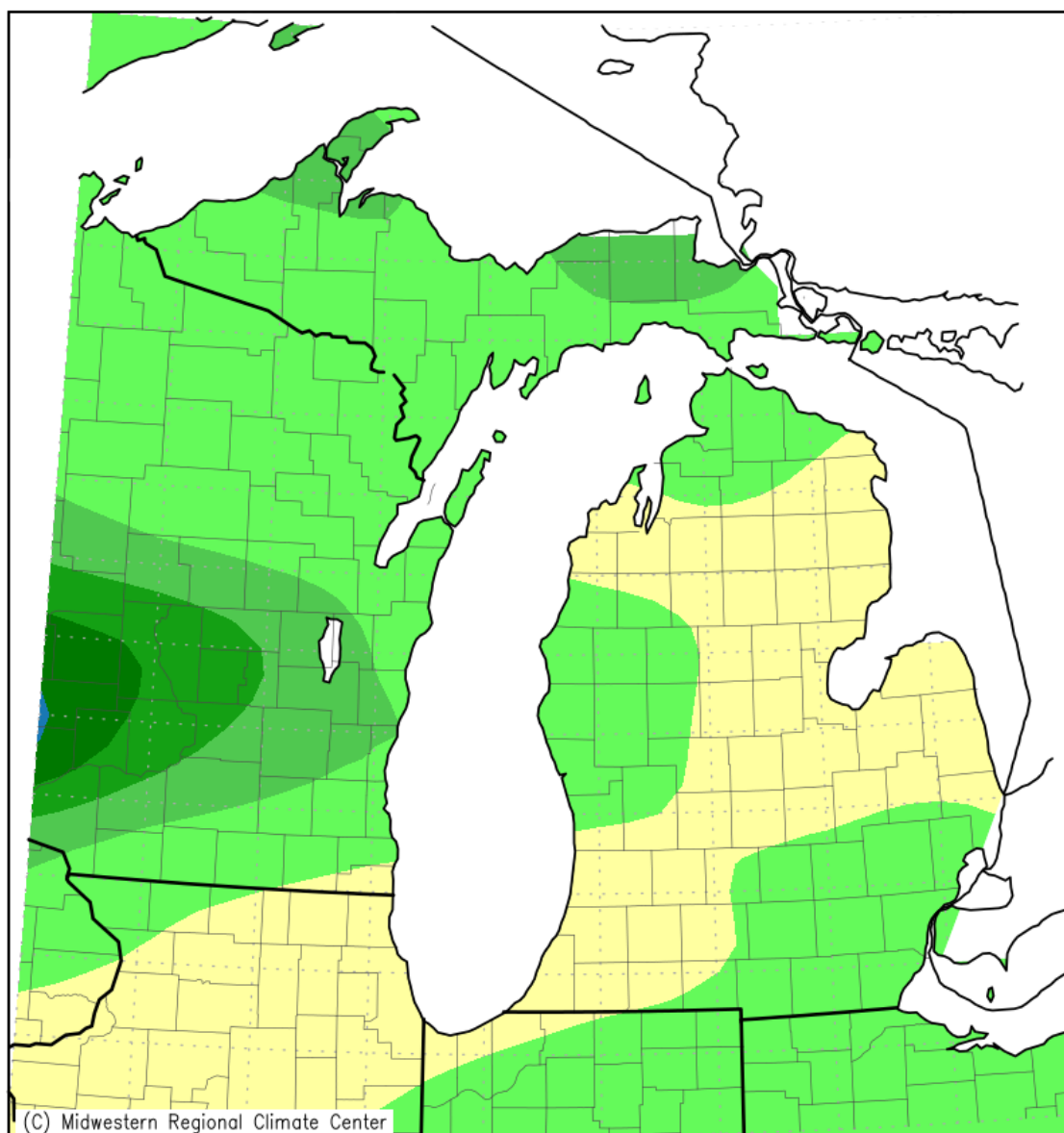


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Figure 3. Accumulated Precipitation (inches) for September 2016.

## September 2016 Climate Summary for Southwest Lower Michigan

Accumulated Precipitation (in): Departure from Mean  
September 1, 2016 to September 30, 2016



Mean period is 1981–2010.



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Figure 4. Accumulated Precipitation Departure from Mean (inches) for September 2016.