



# Southeast Michigan Climate Summary

Monthly Temperature, Precipitation, and Snowfall Summaries

Michigan, Average Temperature, September  
1901-2000  
Avg. 58.5°F

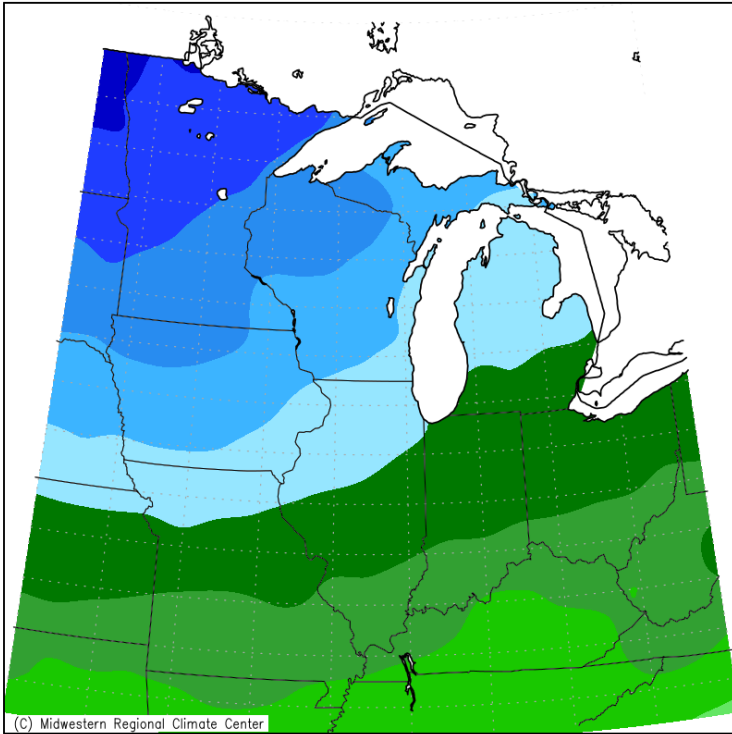




# January 2020 – Regional Temperature Summary

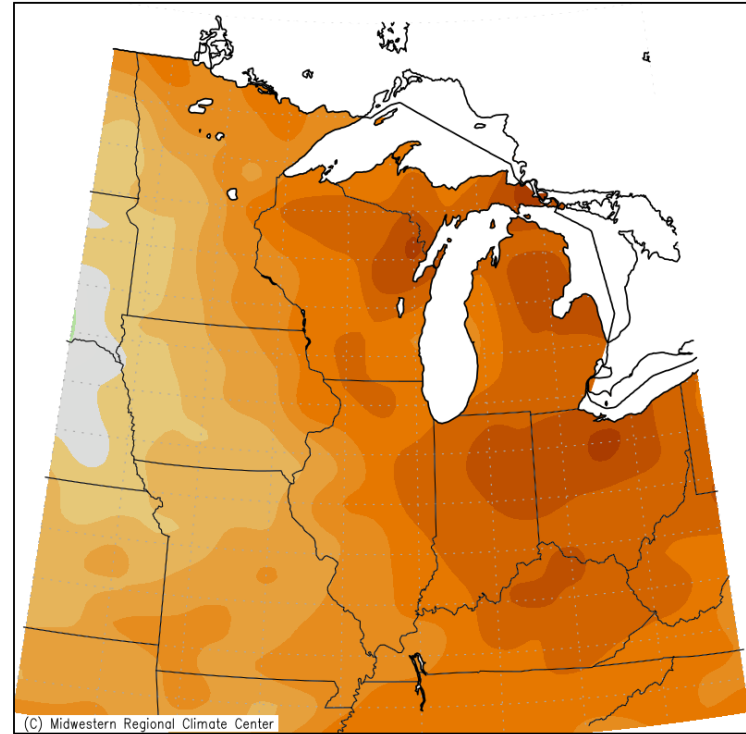
Average Temperature (left) & Departure from Average (right)

Average Temperature (°F)  
January 1, 2020 to January 31, 2020



Midwestern Regional Climate Center  
Illinois State Water Survey, Prairie Research Institute  
University of Illinois at Urbana-Champaign

Average Temperature (°F): Departure from Mean  
January 1, 2020 to January 31, 2020



Midwestern Regional Climate Center  
Illinois State Water Survey, Prairie Research Institute  
University of Illinois at Urbana-Champaign





# January 2020 – SE Michigan Temperature Summary

## Warmest, Coldest, and Averages

Name	Warmest	Coldest	Avg High	Avg Low	Monthly Mean
ADRIAN LENAWEE COUNTY AP	57	11	36.7	25.7	31.2
ALGONAC WWTP	50	12	39.1	24.4	31.8
ANN ARBOR MUNICIPAL AP	54	11	36.6	24.9	30.8
ANN ARBOR SE	54	8	36.8	23.9	30.4
ANN ARBOR U OF MICH	54	7	36.9	24.9	30.9
AUBURN 2NE	48	4	35.3	23.6	29.4
BAD AXE	47	11	33.4	24.3	28.8
BURTON 4N	51	0	35.2	23.8	29.5
CARO WWTP	49	12	34.7	24.2	29.7
CASS CITY 1 SSW	48	1	34.5	23.9	29.2
CHELSEA	55	4	35.7	24.5	30.1
DEARBORN	55	11	37.4	25.6	31.5
DEARBORN NO. 2	53	13	38.0	26.7	32.3
DETROIT CITY AP	57	14	37.9	27.6	32.8
<b>DETROIT METRO AIRPORT</b>	<b>55</b>	<b>13</b>	<b>37.8</b>	<b>27.0</b>	<b>32.4</b>
DETROIT WILLOW RUN AP	57	13	39.2	27.6	33.4
DUNDEE	58	9	37.2	26.1	31.6
DURAND WWTP	52	5	36.7	23.9	30.2
FARMINGTON	52	10	35.6	23.8	29.7
FILION 5NNW	48	18	36.0	28.2	32.1
FLINT 7W	51	2	35.0	24.0	29.5
<b>FLINT FCWOS</b>	<b>54</b>	<b>6</b>	<b>37.5</b>	<b>26.6</b>	<b>32.0</b>
FRANKENMUTH 1SE	47	6	34.2	24.1	29.2
GOODRICH	53	1	35.6	24.3	30.0
GROSSE POINTE FARMS	54	13	36.9	25.5	31.2

Name	Warmest	Coldest	Avg High	Avg Low	Monthly Mean
HARBOR BEACH 1 SSE	47	15	34.2	25.9	30.1
LAPEER 2W	51	6	34.5	24.5	29.5
LAPEER WWTP	52	5	35.2	24.4	29.8
LEXINGTON WATER PLANT	50	12	34.9	25.1	30.0
LINDEN WWTP	53	4	35.2	24.0	29.6
MANCHESTER	55	8	36.6	24.5	30.6
MIDLAND	46	7	34.5	24.8	29.6
MILAN WWTP	56	11	36.8	25.6	31.2
MILFORD GM PROVING GROUND	53	-3	35.8	23.4	29.6
MORENCI	58	7	38.6	22.5	30.5
NEWPORT 4SSE	56	11	36.9	26.5	31.7
OWOSSO WWTP	51	6	35.0	24.6	29.8
PONTIAC OAKLAND COUNTY INTL AP	53	7	36.0	24.7	30.4
PONTIAC WWTP	52	11	37.7	25.5	31.6
PORT HOPE	48	18	34.8	27.1	31.0
PORT HURON	52	16	36.9	28.6	32.7
RICHMOND 4 NNW	50	8	36.1	25.3	30.7
SAGINAW #3	47	10	34.2	24.3	29.2
<b>SAGINAW MBS INTL AP</b>	<b>49</b>	<b>8</b>	<b>35.2</b>	<b>25.5</b>	<b>30.4</b>
SALINE 4SW	55	10	37.1	24.5	30.8
TECUMSEH	56	8	37.7	21.3	29.5
VASSAR	49	1	35.0	24.0	29.5
WHITE LAKE 4E	50	2	33.4	21.4	27.4
WHITMORE LAKE 1NW	53	6	35.5	23.4	29.4
YALE 1 NNW	50	6	34.7	22.5	28.6



# January – Top 20 Coldest/Warmest

Top 20 Coldest/Warmest Januaries in Southeast Lower Michigan

Rank	Detroit Area*				Flint Bishop**				Saginaw Area***			
	Coldest		Warmest		Coldest		Warmest		Coldest		Warmest	
	Temp	Year	Temp	Year	Temp	Year	Temp	Year	Temp	Year	Temp	Year
1	12.8	1977	36.7	1932	10.9	1977	34.3	1932	9.4	1912	34.7	1932
2	13.1	1912	36.7	1880	13.1	1963	33.7	1933	10.4	1918	33.1	1933
3	13.2	1918	35.3	2006	13.8	1994	32.7	2006	11.6	1963	31.4	2006
4	15.2	1893	34.7	1933	14.3	1984	32.0	2020	12.1	1994	30.9	1990
5	15.3	1875	33.6	1906	14.5	2009	31.8	1990	12.7	1920	30.4	2020
6	16.4	2014	33.5	1990	15.1	1970	30.9	2002	12.8	1977	29.3	1937
7	16.6	1970	33.5	1890	15.6	2014	30.8	1989	14.3	1982	29.0	1989
8	16.8	1920	32.8	1998	15.6	1945	30.7	1934	14.8	1979	28.9	2002
9	17.1	1982	32.8	1989	15.8	1979	30.3	1950	14.8	1970	28.7	1921
10	17.2	1963	32.7	2002	15.9	1959	29.9	1998	14.9	2009	28.6	1998
11	17.3	2009	32.5	1950	16.4	1982	29.1	2012	15.1	2004	28.5	1934
12	17.3	1994	32.4	2020	16.6	1948	29.0	1949	15.6	1945	28.4	2012
13	17.4	1881	32.1	2017	17.2	2004	28.8	2017	15.9	1948	28.2	1919
14	17.6	1904	32.1	1876	17.6	1957	28.8	1944	16.0	2014	28.1	1950
15	17.9	1984	31.6	1949	17.8	1962	28.7	1973	16.1	1959	28.0	1949
16	17.9	1888	31.0	1919	18.0	1981	28.6	1921	16.4	1984	27.9	2017
17	18.0	1945	31.0	1882	18.0	1929	28.2	1937	16.5	1962	27.6	1916
18	18.6	1979	30.8	1944	18.1	1976	28.1	2016	16.6	1981	27.4	1944
19	19.0	1981	30.7	2012	18.2	1978	28.0	1975	16.6	1978	27.2	1964
20	19.0	1940	30.5	1953	18.5	1966	27.7	1964	16.8	1985	26.9	1975

\* Detroit Area temperature records date back to January 1874.

\*\* Flint Bishop temperature records date back to January 1921.

\*\*\* Saginaw Area temperature records date back to January 1912.

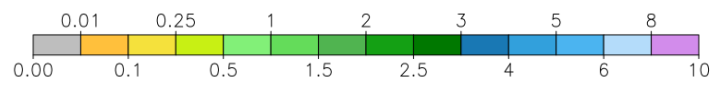
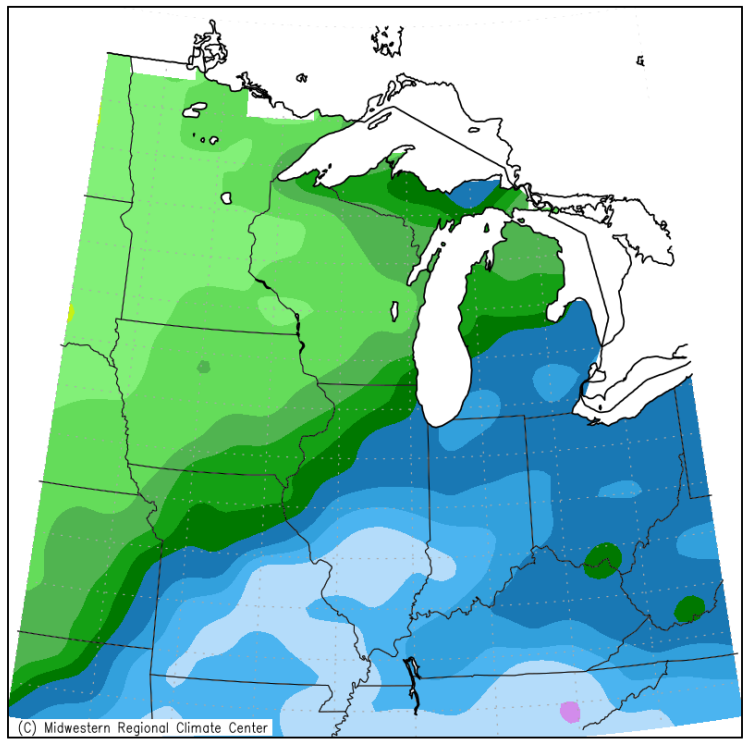




# January 2020 – Regional Precipitation Summary

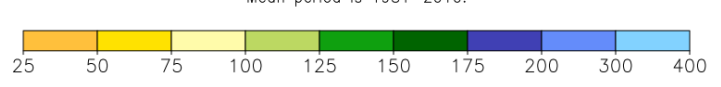
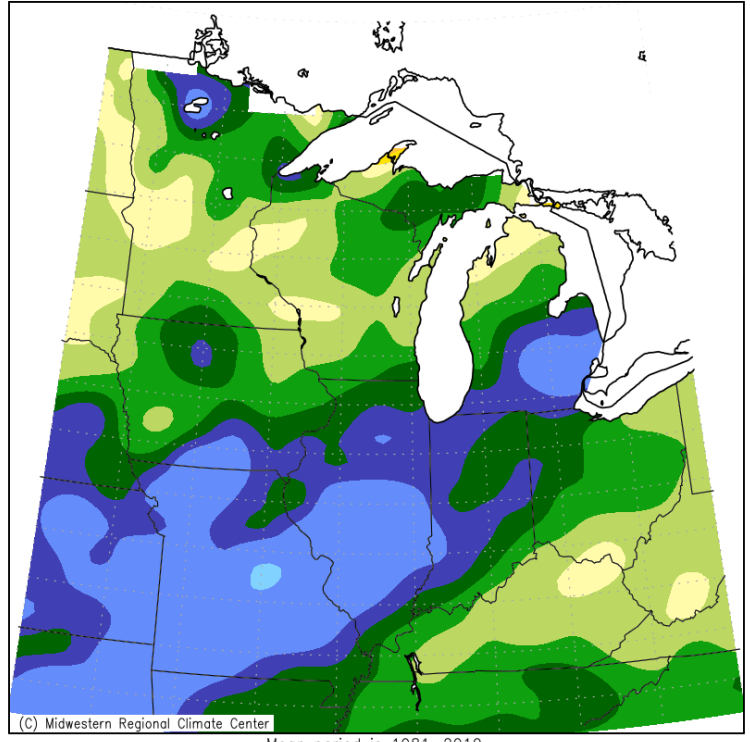
Total Monthly Precipitation (left) & Percent of Mean (right)

Accumulated Precipitation (in)  
January 1, 2020 to January 31, 2020



Midwestern Regional Climate Center  
Illinois State Water Survey, Prairie Research Institute  
University of Illinois at Urbana-Champaign

Accumulated Precipitation: Percent of Mean  
January 1, 2020 to January 31, 2020



Midwestern Regional Climate Center  
Illinois State Water Survey, Prairie Research Institute  
University of Illinois at Urbana-Champaign





# January 2020 – SE Michigan Precipitation Summary

Total precipitation, greatest daily total, and total number of days of measurable precip

Name	Highest Daily Total	Monthly Total	# of days with precip
ADRIAN LENAWEE COUNTY AP	2.2	3.56	8
ALGONAC WWTP	2.48	5.02	9
ANN ARBOR 2.1 WNW	1.19	3.88	15
ANN ARBOR 4.5 W	1.29	3.93	14
ANN ARBOR 7.1 W	1.34	3.92	13
ANN ARBOR MUNICIPAL AP	1.95	3.36	9
ANN ARBOR SE	1.54	4.6	16
ANN ARBOR U OF MICH	2.37	4.98	19
BAD AXE	0.98	3.22	15
BAY PORT 3.2 SSW	0.88	2.52	14
BURTON 4N	1.52	4.17	12
CARO WWTP	1.38	2.91	13
CASS CITY 1 SSW	0.97	3.07	13
CHELSEA	1.78	4.21	13
CHESANING	1.78	4.13	10
CHESTERFIELD 2.4 E	1.67	3.92	14
DEARBORN HEIGHTS 1.8 NW	1.96	4.46	17
DEARBORN NO. 2	1.01	3.24	10
DETROIT 4.4 S	2.02	3.71	14
DETROIT CITY AP	2.01	3.18	7
<b>DETROIT METRO AIRPORT</b>	<b>2.06</b>	<b>4.12</b>	<b>14</b>
DETROIT WILLOW RUN AP	0.92	2.19	9
DEXTER 2.2 SE	1.24	4.02	16
DUNDEE	2.06	3.96	13
DURAND 6.2 WNW	1.7	3.59	13
FARMINGTON	1.32	3.91	14
FENTON 6.2 WSW	1.81	3.55	11
FILION 5NNW	1.02	3.06	19
FLINT 7W	1.65	3.85	13
<b>FLINT FCWOS</b>	<b>2.42</b>	<b>3.36</b>	<b>11</b>
GOODRICH	1.44	3.14	12
GROSSE ILE 1.6 N	1.23	3.48	9
HARBOR BEACH 1 SSE	1.05	3.44	12
LAKE ORION 4.3 SSE	1.76	4.23	13
LAPEER 2W	1.68	3.83	14
LAPEER WWTP	1.53	3.59	11
LEXINGTON WATER PLANT	1.53	3.86	10

Name	Highest Daily Total	Monthly Total	# of days with precip
LINDEN WWTP	1.65	3.56	8
LIVONIA 2.0 NE	1.13	3.76	14
MANCHESTER	1.31	4.06	14
MIDLAND	1.87	3.2	7
MIDLAND 1.5 NNE	1.04	3.59	12
MIDLAND 2.9 SW	1.24	3.41	9
MILAN WWTP	2	3.89	11
MILFORD GM PROVING GROUND	2.4	5.19	7
MONROE 3.0 S	1.49	3.07	12
MORENCI	1.59	4.1	10
NEW BALTIMORE 0.4 SSE	1.95	4.55	12
NEWPORT 4SSE	1.33	3.5	13
ORCHARD LAKE VILLAGE 0.9 WSW	1.49	4.07	13
ORTONVILLE 2.3 S	2.06	4.42	13
OTTAWA LAKE 1.4 SSW	1.58	3.16	12
OWOSSO WWTP	1.78	3.94	12
PLYMOUTH 5.4 W	1.52	4.26	17
PONTIAC OAKLAND COUNTY INTL AP	2.24	3.13	8
PONTIAC WWTP	1.36	4.39	12
PORT HOPE	0.33	1.24	12
PORT HURON	2.6	4.39	10
PORT HURON 1.6 W	1.93	4.15	11
RICHMOND 4 NNW	1.38	3.41	7
ROSEVILLE 1.7 ENE	1.96	4.03	14
SAGINAW #3	1.27	3.33	8
SAGINAW 8NW	1.05	2.96	9
<b>SAGINAW MBS INTL AP</b>	<b>1.53</b>	<b>2.43</b>	<b>7</b>
SALINE 2.7 SSW	1.39	4.24	14
SALINE 4SW	1.36	4.21	12
SHELBY 0.4 SSE	1.83	4.71	14
TECUMSEH	1.73	4.1	14
TROY 1.8 S	1.31	2.98	11
UTICA 2.9 E	1.61	4.06	13
VASSAR	1.46	3.02	11
WATERFORD 2.1 NW	1.37	3.61	13
WHITE LAKE 4E	2.88	4.4	13
WHITMORE LAKE 1NW	1.63	3.71	11
WYANDOTTE	2.06	4.58	17
YALE 1 NNW	1.58	3.43	11



# January – Top 20 Wettest/Driest

## Top 20 Wettest/Driest Januaries in Southeast Lower Michigan

Rank	Detroit Area*				Flint Bishop**				Saginaw Area***			
	Wettest		Driest		Wettest		Driest		Wettest		Driest	
	Total	Year	Total	Year	Total	Year	Total	Year	Total	Year	Total	Year
1	5.02	1932	0.23	1961	4.02	2006	0.07	1945	4.04	1998	0.24	1945
2	4.96	1874	0.28	1921	3.90	2013	0.26	2003	3.74	1993	0.29	1919
3	4.38	1950	0.42	2003	3.56	1947	0.32	1961	3.55	1932	0.38	1921
4	4.31	1916	0.45	1945	3.36	2020	0.41	1940	3.50	1950	0.40	1934
5	4.27	1929	0.57	1981	3.21	1950	0.45	1921	3.43	2005	0.46	1961
6	4.12	2020	0.57	1902	3.17	1951	0.46	1971	3.26	2013	0.46	1933
7	3.95	1913	0.64	1963	3.13	2017	0.48	1958	3.19	1967	0.50	2003
8	3.92	1993	0.68	1966	3.07	1932	0.51	1966	3.11	1914	0.50	1942
9	3.87	1907	0.69	2001	3.05	1998	0.56	1984	3.09	1999	0.54	1981
10	3.85	1930	0.69	1980	2.93	2005	0.57	1977	3.06	1978	0.59	1980
11	3.74	1965	0.76	2010	2.89	1999	0.59	1981	3.00	2006	0.62	1984
12	3.64	1937	0.78	1984	2.89	1975	0.63	1963	2.97	1962	0.68	1977
13	3.45	2013	0.80	1958	2.80	1993	0.63	1934	2.92	1974	0.74	1920
14	3.43	1982	0.84	1983	2.61	1974	0.70	1986	2.91	1969	0.75	1926
15	3.40	2005	0.87	1938	2.60	1965	0.78	1970	2.79	1965	0.77	2009
16	3.36	2002	0.91	1919	2.60	1949	0.82	1922	2.72	1982	0.78	1912
17	3.34	1904	0.92	1891	2.53	2014	0.83	2010	2.71	1959	0.79	1986
18	3.32	1898	0.94	1894	2.52	1959	0.91	1925	2.67	1951	0.81	1964
19	3.26	1974	0.97	1875	2.49	2008	0.93	1936	2.64	1975	0.86	1956
20	3.26	1914	0.98	1977	2.41	1967	0.96	2009	2.63	1997	0.88	1971

\* Detroit Area precipitation records date back to November 1874.

\*\* Flint Bishop precipitation records date back to January 1921.

\*\*\* Saginaw Area precipitation records date back to January 1912.

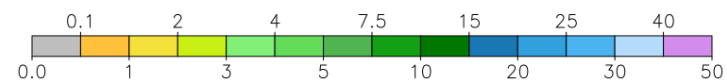
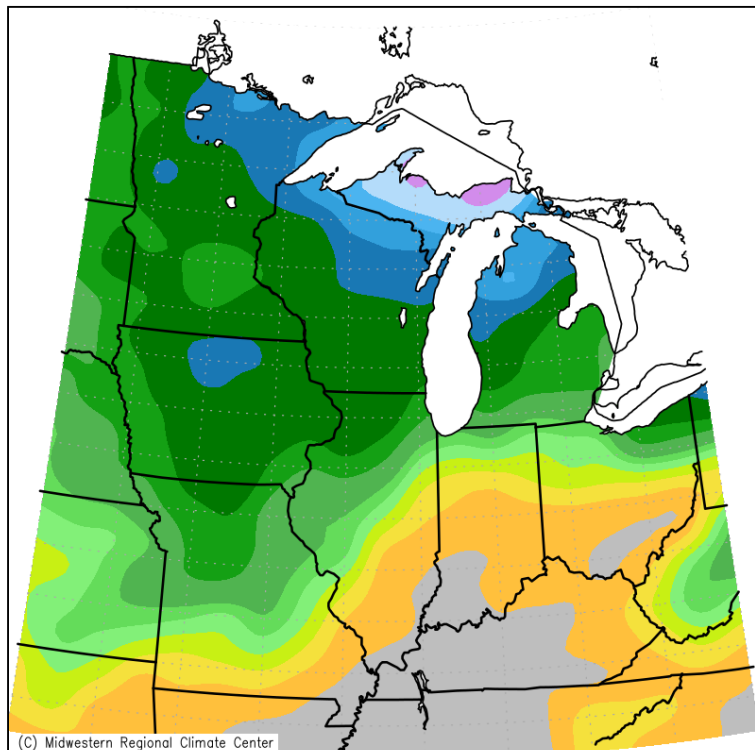




# January 2020 – Midwest Snowfall Summary

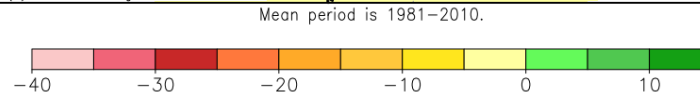
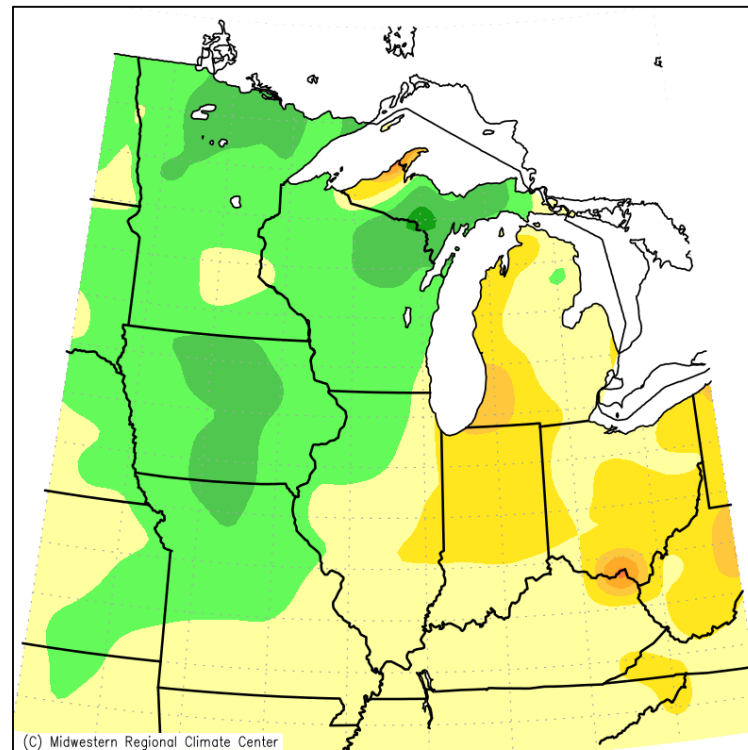
Total Monthly Snowfall (*left*) & Departure From Normal (*right*)

Accumulated Snowfall (in)  
January 1, 2020 to January 31, 2020



Midwestern Regional Climate Center  
cli-MATE: MRCC Application Tools Environment

Accumulated Snowfall (in): Departure from Mean  
January 1, 2020 to January 31, 2020



Midwestern Regional Climate Center  
cli-MATE: MRCC Application Tools Environment







# January – Top 20 Snowiest/Least Snowy

## Top 20 Snowiest/Snowless Januaries in Southeast Lower Michigan

Rank	Detroit Area*				Flint Bishop**				Saginaw Area***			
	Snowiest		Snowless		Snowiest		Snowless		Snowiest		Snowless	
	Total	Year	Total	Year	Total	Year	Total	Year	Total	Year	Total	Year
1	39.1	2014	0.4	1933	32.9	2014	0.0	1934	30.9	1967	0.1	1973
2	29.6	1978	0.9	1932	28.5	1976	0.2	1933	30.3	1978	0.4	1933
3	27.3	1999	0.9	1921	27.6	1967	0.5	1932	29.0	1999	0.9	1921
4	26.9	2005	1.1	1916	26.1	1979	0.8	1921	26.1	1979	1.0	1919
5	25.2	2009	1.4	1935	26.0	1959	1.2	1937	26.0	1997	1.5	1937
6	24.0	1987	1.4	1894	24.9	1999	1.3	1973	24.4	2004	1.7	1942
7	23.1	1893	1.5	1983	24.7	2004	2.0	1945	22.6	1914	1.8	1916
8	22.2	1910	1.5	1891	23.6	1978	3.1	1949	22.0	2011	2.0	1934
9	21.9	1929	1.6	1890	22.8	2008	3.1	1955	21.7	1918	2.3	1944
10	21.8	1914	1.7	1919	20.2	2018	3.1	1944	21.2	1947	2.5	1950
11	21.8	1881	1.9	1944	19.7	2005	3.4	1935	19.7	1943	2.8	1945
12	21.5	1895	2.4	1973	19.3	1982	3.8	1983	19.6	1976	2.9	1949
13	21.1	1939	2.6	1896	18.4	1995	4.1	1940	19.2	1962	2.9	1928
14	20.9	1985	2.8	1980	18.3	1930	4.9	1996	18.9	2008	3.1	1964
15	20.8	1997	2.9	1955	17.4	1943	5.1	2001	18.0	1982	3.4	1990
16	20.1	1904	3.3	1961	17.3	2011	5.2	1964	16.9	1959	3.4	1980
17	20.0	1982	3.4	2001	17.3	1997	5.2	1950	16.0	1929	3.5	1983
18	18.6	1918	3.4	1958	17.1	2009	5.3	1938	15.9	2005	4.0	1932
19	18.4	1992	3.6	1942	16.9	1987	5.5	1941	15.8	1985	4.1	1975
20	18.4	1943	3.7	1882	16.8	2019	5.5	1922	15.6	2014	4.4	2018

\* Detroit Area snowfall records date back to January 1880.

\*\* Flint Bishop snowfall records date back to January 1921.

\*\*\* Saginaw Area snowfall records date back to January 1912.

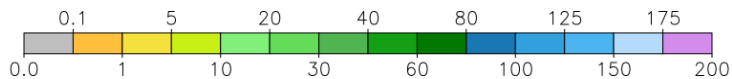
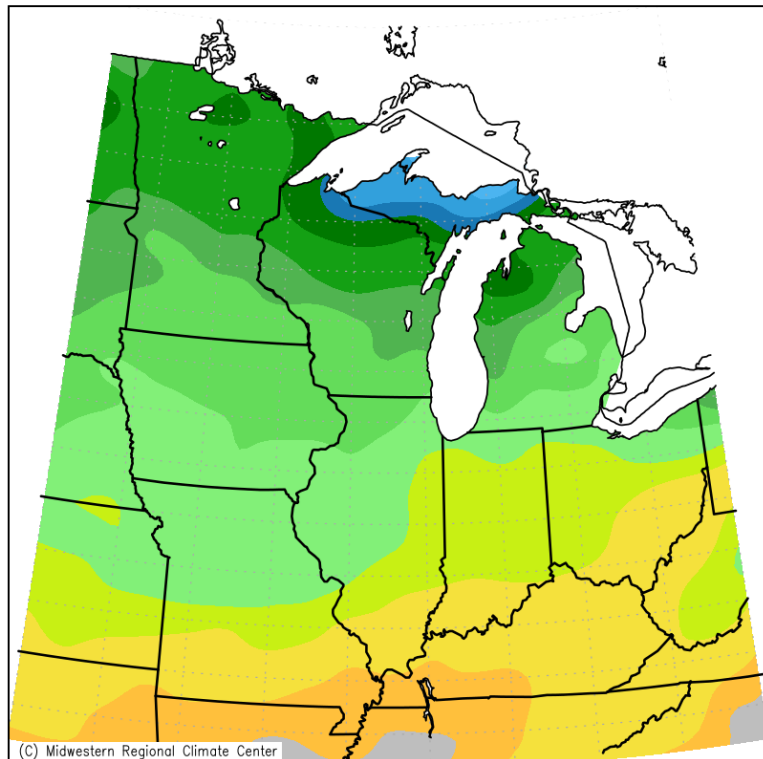




# Season-To-Date 2019-2020 Midwest Snowfall Summary

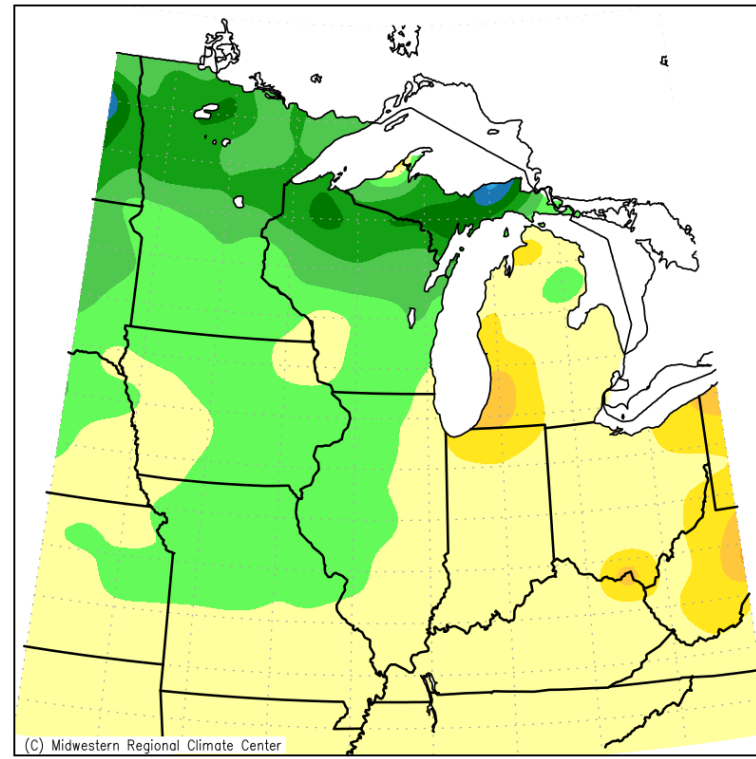
Total Monthly Snowfall (left) & Departure From Normal (right)

Accumulated Snowfall (in)  
October 1, 2019 to January 31, 2020



Midwestern Regional Climate Center  
cli-MATE: MRCC Application Tools Environment

Accumulated Snowfall (in): Departure from Mean  
October 1, 2019 to January 31, 2020



Midwestern Regional Climate Center  
cli-MATE: MRCC Application Tools Environment

