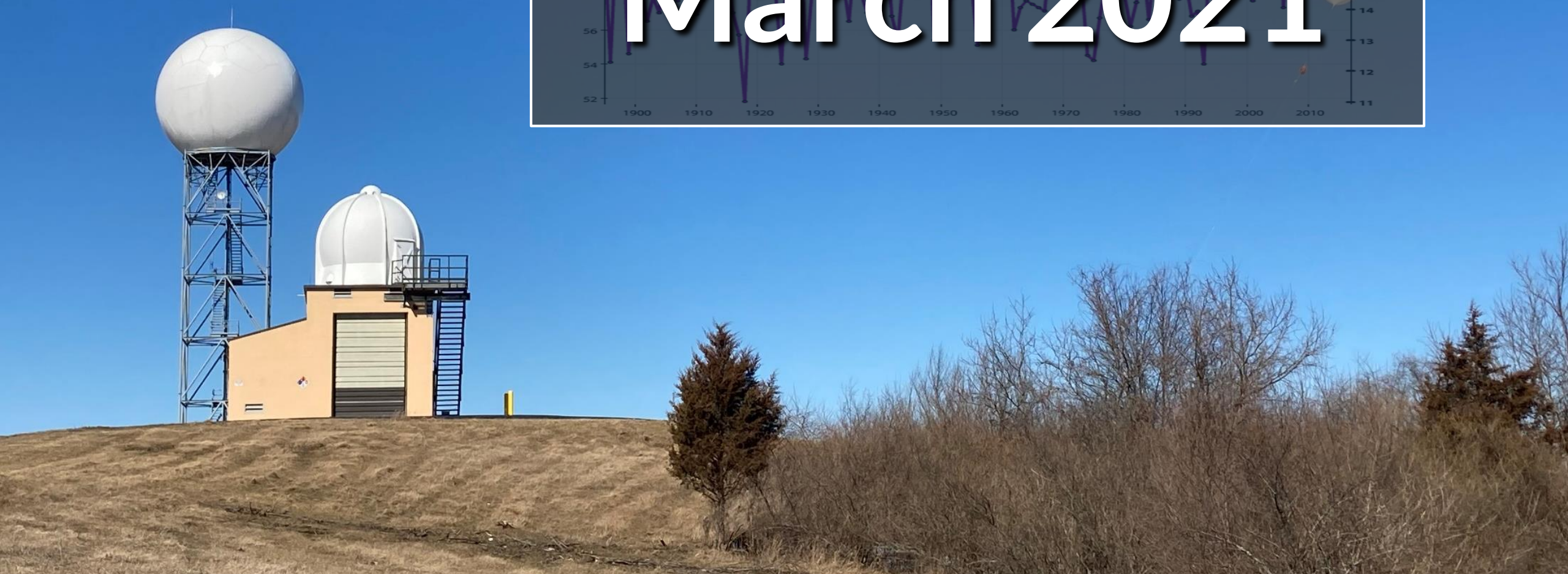


# Southeast Michigan Climate Summary

Monthly Temperature, Precipitation, Snowfall, and Severe Weather Summaries

Weather Forecast Office  
Detroit, MI



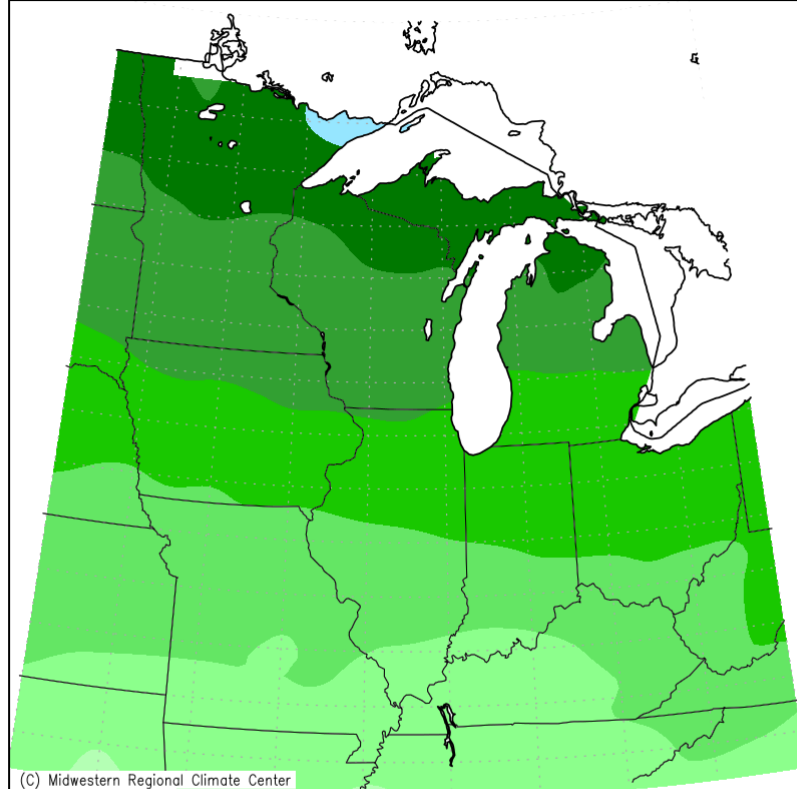
# March 2021 – Regional Temperature Summary

Weather Forecast Office  
Detroit, MI



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

Average Temperature (°F)  
March 1, 2021 to March 31, 2021

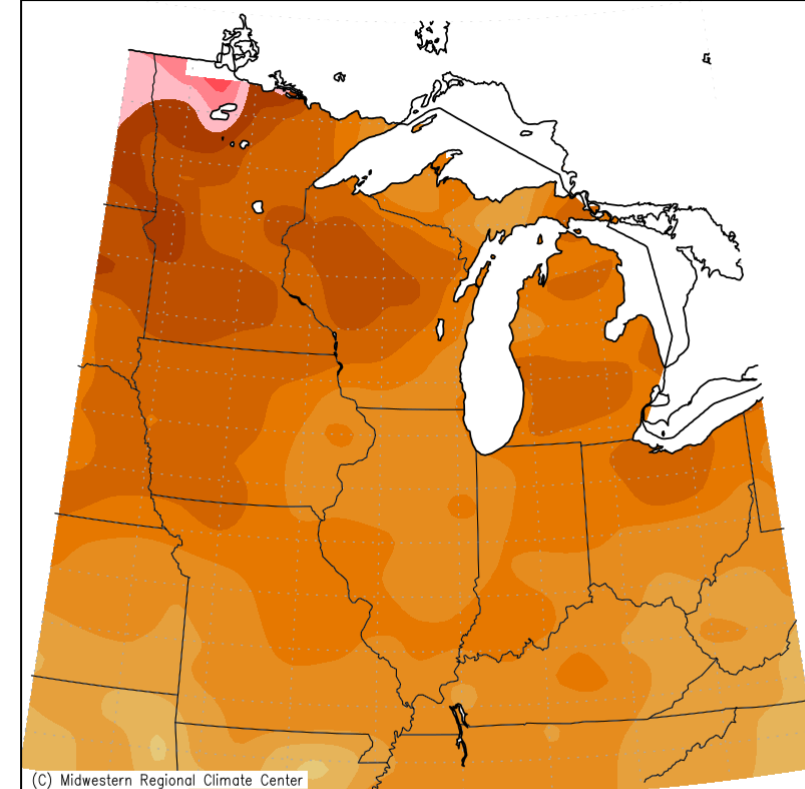


(C) Midwestern Regional Climate Center



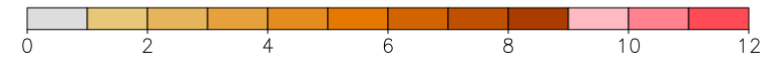
Midwestern Regional Climate Center  
Illinois State Water Survey, Prairie Research Institute  
University of Illinois at Urbana-Champaign

Average Temperature (°F): Departure from Mean  
March 1, 2021 to March 31, 2021



(C) Midwestern Regional Climate Center

Mean period is 1981-2010.



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

# March 2021 – SE Michigan Temperature Summary

Weather Forecast Office  
Detroit, MI



Warmest, Coldest, and Averages (°F)

Location	Highest Temp	Lowest Temp	Avg High	Avg Low	Monthly Avg	Location	Highest Temp	Lowest Temp	Avg High	Avg Low	Monthly Avg
ADRIAN LENAWEE COUNTY AP	70	15	54.4	29.3	41.8	LAPEER WWTP	70	13	53.1	27.1	40.1
ALGONAC WWTP	71	13	53.3	26.2	39.8	LEXINGTON WATER PLANT	71	11	47.9	27.7	37.8
ANN ARBOR MUNICIPAL AP	71	10	54.6	26.7	40.7	LINDEN WWTP	69	12	51.5	25.7	38.5
ANN ARBOR SE	71	11	55.1	26.4	40.8	MANCHESTER	72	12	54.9	26.2	40.6
ANN ARBOR U OF MICH	71	10	57.1	29.1	43.1	MORENCI	71	12	55.3	26.4	40.8
AUBURN 2NE	73	10	50.6	27.2	38.9	NEWPORT 4SSE	68	15	51.3	29.1	40.2
BAD AXE	69	11	47.4	26.9	37.2	OIL CITY 2S	72	6	49.6	24.5	37.0
BURTON 4N	71	11	53.0	25.4	39.1	OWOSSO WWTP	71	14	52.7	26.5	39.7
CARO WWTP	70	10	49.9	26.8	38.3	PONTIAC INTL AP	69	18	54.1	29.5	41.8
CASS CITY 1 SSW	70	8	49.5	25.7	37.6	PONTIAC WWTP	70	14	53.3	28.5	40.9
CHELSEA	72	11	54.7	29.0	41.9	PORT HOPE	70	14	47.3	31.0	39.1
DEARBORN NO. 2	72	17	55.2	32.6	43.9	PORT HURON	69	16	50.0	31.2	40.6
DETROIT CITY AP	73	17	55.4	32.0	43.7	RICHMOND 4 NNW	71	13	51.5	28.7	40.1
<b>DETROIT METRO AIRPORT</b>	<b>72</b>	<b>16</b>	<b>54.7</b>	<b>31.2</b>	<b>42.9</b>	SAGINAW #3	74	12	51.4	28.2	39.8
DETROIT WILLOW RUN AP	75	17	57.9	31.2	44.5	<b>SAGINAW MBS INTL AP</b>	<b>73</b>	<b>14</b>	<b>51.0</b>	<b>29.2</b>	<b>40.1</b>
DUNDEE	72	15	54.3	28.3	41.3	SALINE 4SW	73	12	55.8	29.1	42.5
FARMINGTON	69	12	53.0	26.4	39.7	TECUMSEH	72	12	55.8	26.2	41.0
FILION 5NNW	71	17	49.6	31.3	40.5	TIPTON 2WNW	71	9	56.6	26.3	41.6
<b>FLINT FCWOS</b>	<b>74</b>	<b>16</b>	<b>54.7</b>	<b>30.9</b>	<b>42.8</b>	VASSAR	72	9	52.6	25.6	39.0
GOODRICH	71	12	53.0	27.2	40.1	WHITE LAKE 4E	68	6	50.9	24.9	37.9
GROSSE POINTE FARMS	71	14	50.4	29.7	40.0	WHITMORE LAKE 1NW	70	10	54.3	26.4	40.4
LAPEER 2W	71	11	52.1	29.0	40.5						

# March – Top 20 Coldest/Warmest on Record



## Top 20 Coldest/Warmest Marches in Southeast Lower Michigan (°F)

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	25.9	1877	50.7	2012	21.2	1960	49.5	2012	22.9	1960	48.0	2012
2	26.2	1960	47.9	1945	26.0	2014	46.0	1945	23.8	1912	45.1	1945
3	26.3	1900	46.1	1946	26.7	1978	44.6	1946	24.6	1916	41.9	1946
4	26.3	1885	44.0	2000	26.8	1984	42.8	2021	25.1	1978	41.8	1938
5	26.4	1912	44.0	1910	27.1	1965	41.7	2016	25.4	2014	41.4	2000
6	28.0	1875	43.3	1973	27.6	1940	41.4	1929	25.7	1926	40.7	1977
7	28.2	1906	43.1	2016	28.0	1950	41.3	2000	26.0	1923	40.5	1929
8	28.5	1895	42.9	2021	28.0	1947	41.3	1973	26.2	1950	40.1	2021
9	28.6	1940	42.5	1921	28.1	1996	40.8	1938	26.5	1965	39.4	2016
10	28.6	1888	42.4	2010	28.6	1932	40.5	2020	26.5	1940	39.4	2010
11	28.7	2014	41.6	1938	28.8	1926	40.4	1935	26.7	1941	39.2	1921
12	28.7	1916	41.6	1929	29.1	2005	40.1	1921	27.8	2005	39.0	1973
13	28.8	1896	41.5	1903	29.1	1923	40.0	1936	28.0	1984	38.8	2020
14	28.9	1984	41.4	1977	29.4	1956	39.5	1927	28.0	1944	37.6	1927
15	29.0	1926	41.3	1878	29.5	1959	39.2	1977	28.1	1956	37.2	2007
16	29.3	1934	41.2	2020	29.6	1971	39.1	2004	28.3	1972	37.2	1968
17	29.3	1899	40.4	2004	29.7	1944	38.7	1976	28.3	1932	37.0	2004
18	29.5	1876	40.3	1991	29.9	1980	38.6	2010	28.4	1947	36.8	1987
19	29.8	1932	40.3	1976	30.0	1937	38.5	2007	28.5	1959	36.8	1985
20	29.8	1883	40.3	1898	30.1	1970	38.1	1990	28.7	1996	36.8	1966

\* 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.

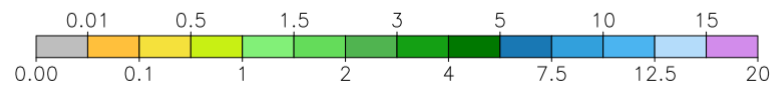
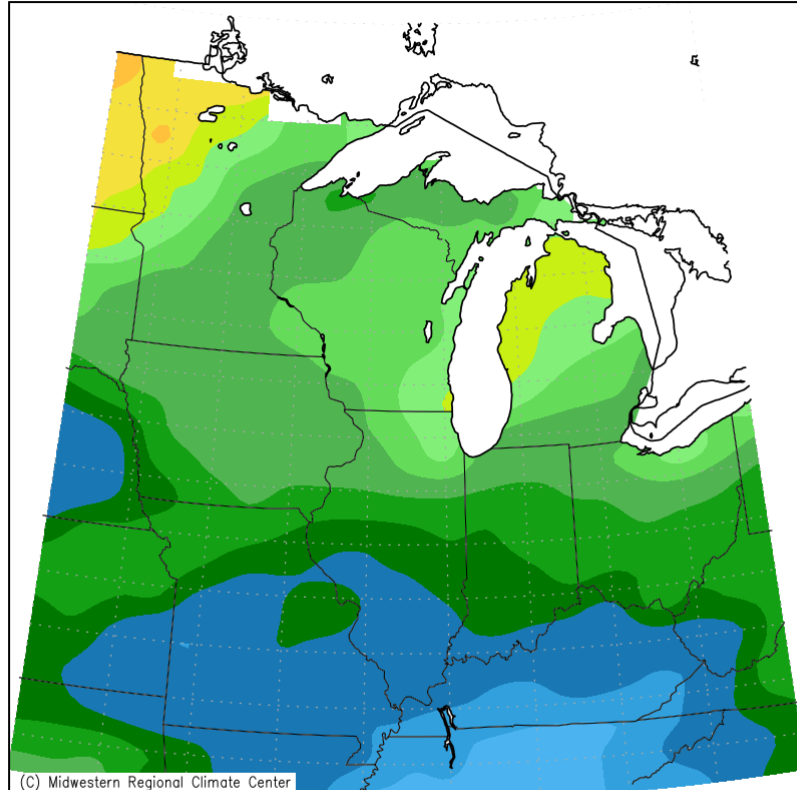
# March 2021 – Regional Precipitation Summary

Weather Forecast Office  
Detroit, MI



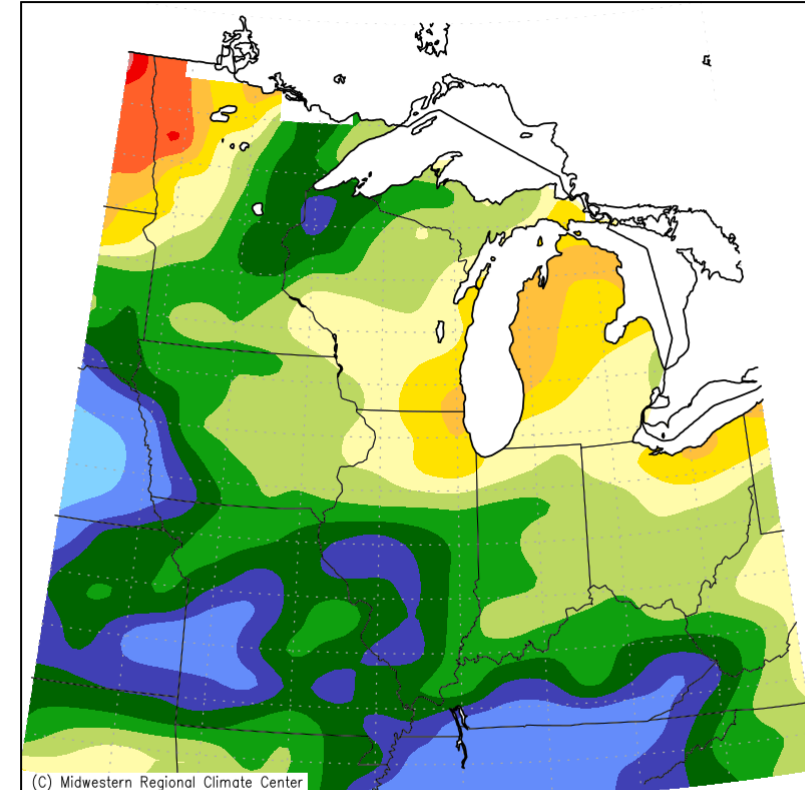
Total Monthly Precipitation (*left*) & Percent of Mean (*right*)

Accumulated Precipitation (in)  
March 1, 2021 to March 31, 2021



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

Accumulated Precipitation: Percent of Mean  
March 1, 2021 to March 31, 2021



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

# March 2021 – SE Michigan Precipitation Summary

Weather Forecast Office  
Detroit, MI



Highest daily total, monthly total, and total number of days of measureable precip (in.)

Location	Highest Daily Total	Monthly Total	# of Days with Precip	Location	Highest Daily Total	Monthly Total	# of Days with Precip	Location	Highest Daily Total	Monthly Total	# of Days with Precip
ADRIAN LENAWEЕ COUNTY AP	0.53	2.00	10	DETROIT WILLOW RUN AP	0.67	1.82	7	ORTONVILLE 2.3 S	1.10	1.66	8
ALGONAC WWTP	1.28	2.04	5	DEXTER 2.2 SE	1.40	2.20	7	OTTAWA LAKE 1.4 SSW	1.05	1.85	7
ANN ARBOR 2.1 WNW	0.89	1.61	5	DUNDEE	0.99	1.90	7	OWOSSO WWTP	1.32	2.22	9
ANN ARBOR 2.6 NNE	1.13	1.28	4	DURAND 6.2 WNW	1.47	2.21	8	PLYMOUTH 5.4 W	1.19	1.90	5
ANN ARBOR 3.1 SE	1.44	2.11	7	DURAND WWTP	1.60	2.16	6	PLYMOUTH 6.3 W	1.28	2.01	7
ANN ARBOR 4.5 W	1.15	1.79	6	FARMINGTON	1.20	1.91	5	PONTIAC INTL AP	0.99	1.71	7
ANN ARBOR 7.1 W	1.25	1.96	6	FARMINGTON HILLS 1.4 N	1.22	1.65	4	PONTIAC WWTP	1.26	1.80	5
ANN ARBOR MUNICIPAL AP	0.66	1.74	7	FENTON 2.7 SSE	1.79	2.25	6	PORT HOPE	0.87	1.61	10
ANN ARBOR SE	1.14	2.01	8	FENTON 6.2 WSW	1.26	1.78	6	PORT HURON	2.04	2.88	4
ANN ARBOR U OF MICH	1.15	1.96	6	FILION 5NNW	0.26	1.08	11	PORT HURON 1.6 W	2.09	2.76	6
AUBURN 2NE	0.76	1.59	10	<b>FLINT FCWOS</b>	<b>1.05</b>	<b>1.83</b>	<b>8</b>	PORT HURON 2.8 WSW	1.81	2.44	5
BAD AXE	0.73	1.37	9	GOODRICH	0.92	1.47	8	RICHMOND 4 NNW	1.79	2.55	7
BAY PORT 3.2 SSW	0.59	1.34	9	GROSSE ILE 1.6 N	1.18	1.88	5	ROSEVILLE 1.7 ENE	1.53	2.42	8
BELLEVILLE 2.8 ESE	1.18	2.23	5	GROSSE POINTE FARMS	1.73	2.44	3	SAGINAW 6.4 W	0.74	1.15	9
BURTON 4N	1.72	2.61	10	HIGHLAND 1.3 NE	1.37	2.06	7	SAGINAW 8NW	0.84	1.44	10
CANTON 2.7 N	1.04	1.86	5	LAPEER 2W	1.62	2.14	7	SAGINAW #3	0.95	1.33	8
CASS CITY 1 SSW	1.00	1.70	7	LAPEER WWTP	1.57	2.03	8	<b>SAGINAW MBS INTL AP</b>	<b>0.65</b>	<b>1.18</b>	<b>8</b>
CHELSEA	0.93	1.74	5	LEXINGTON WATER PLANT	1.56	2.12	5	SALINE 3.8 SSW	1.21	2.19	6
CHELSEA 2.4 S	1.03	1.82	6	LINDEN WWTP	1.40	2.06	10	SALINE 4SW	1.17	2.24	10
CHELSEA 3.7 NNE	0.87	1.74	5	LIVONIA 2.0 NE	0.98	1.76	5	SHELBY 0.4 SSE	1.38	1.90	4
CHESANING	1.25	1.65	9	LIVONIA 2.3 NNW	1.01	1.75	6	TIPTON 2WNW	1.67	2.62	5
CHESTERFIELD 2.4 E	1.16	2.00	8	MANCHESTER	1.34	2.16	6	TROY 1.8 S	1.55	2.27	8
CLARKSTON 1.4 NE	1.38	2.16	10	MIDLAND 1.5 NNE	0.67	1.37	9	UTICA 2.9 E	1.34	2.05	8
DAVISBURG 1.3 ESE	1.13	1.66	5	MIDLAND 2.9 SW	0.74	1.37	11	VASSAR	1.24	1.80	6
DAVISON 5.2 N	0.93	1.36	6	MILLINGTON 3 SE	1.49	2.09	6	WATERFORD 2.1 NW	0.96	1.67	6
DEARBORN HEIGHTS 1.8 NW	1.28	2.31	9	MONROE 3.0 S	1.53	2.20	6	WHITE LAKE 0.5 E	1.27	1.90	4
DEARBORN NO. 2	1.21	2.11	8	MORENCI	1.02	2.13	9	WHITE LAKE 4E	1.21	2.13	8
DETROIT 4.4 S	1.07	2.04	8	NEW BALTIMORE 0.4 SSE	1.68	2.47	6	WHITMORE LAKE 1NW	0.85	1.65	4
DETROIT CITY AP	1.05	1.99	7	NEWPORT 4SSE	1.57	2.36	6	WYANDOTTE	1.23	2.08	7
DETROIT METRO AIRPORT	<b>0.90</b>	<b>2.13</b>	<b>5</b>	OIL CITY 2S	0.84	1.26	8	YPSILANTI 2.5 SSE	0.96	1.97	8



## Top 20 Wettest/Driest Marches in Southeast Lower Michigan (in.)

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	5.63	1913	0.38	1910	4.33	1948	0.25	1958	6.69	1998	0.31	1981
2	5.50	1876	0.47	1958	4.33	2016	0.56	2001	5.96	1948	0.44	2001
3	5.43	1877	0.59	1937	4.33	1942	0.57	1936	5.23	1976	0.49	1958
4	5.12	1922	0.66	1885	4.24	1921	0.58	1967	4.48	1973	0.56	1941
5	4.86	2016	0.74	2013	4.20	1973	0.65	2010	4.32	1985	0.60	2013
6	4.48	1973	0.74	2005	4.00	1985	0.74	1962	3.98	2016	0.62	1915
7	4.42	1985	0.80	2015	3.92	2011	0.75	1999	3.67	1991	0.65	1936
8	4.40	1938	0.82	1981	3.66	1976	0.76	1981	3.49	1942	0.69	2018
9	4.36	1899	0.93	2001	3.60	1974	0.77	2013	3.29	1928	0.72	2010
10	4.26	2017	1.02	1905	3.43	1938	0.90	2000	3.26	1916	0.77	1939
11	4.24	1976	1.03	1967	3.41	1998	0.91	1930	3.08	1974	0.80	2015
12	4.20	1974	1.07	2010	3.21	2017	0.92	2015	3.07	1961	0.85	1996
13	4.17	2009	1.12	1999	3.13	1923	1.04	2005	3.07	1918	0.90	1969
14	4.09	1904	1.13	1960	2.94	1961	1.11	2018	3.05	1919	1.03	2014
15	3.92	1916	1.14	1962	2.93	1954	1.11	1939	3.01	1971	1.08	1999
16	3.88	1980	1.16	1988	2.87	1991	1.21	2014	2.97	1984	1.08	1993
17	3.87	1954	1.17	1889	2.83	2006	1.21	1993	2.94	1997	1.08	1946
18	3.86	2020	1.24	1915	2.83	1984	1.24	1995	2.92	1983	1.10	1978
19	3.70	1897	1.28	1936	2.78	1977	1.27	1941	2.86	2006	1.10	1914
20	3.62	1998	1.32	1890	2.78	1975	1.28	1937	2.80	2017	1.11	1924

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

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

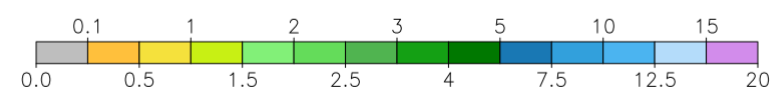
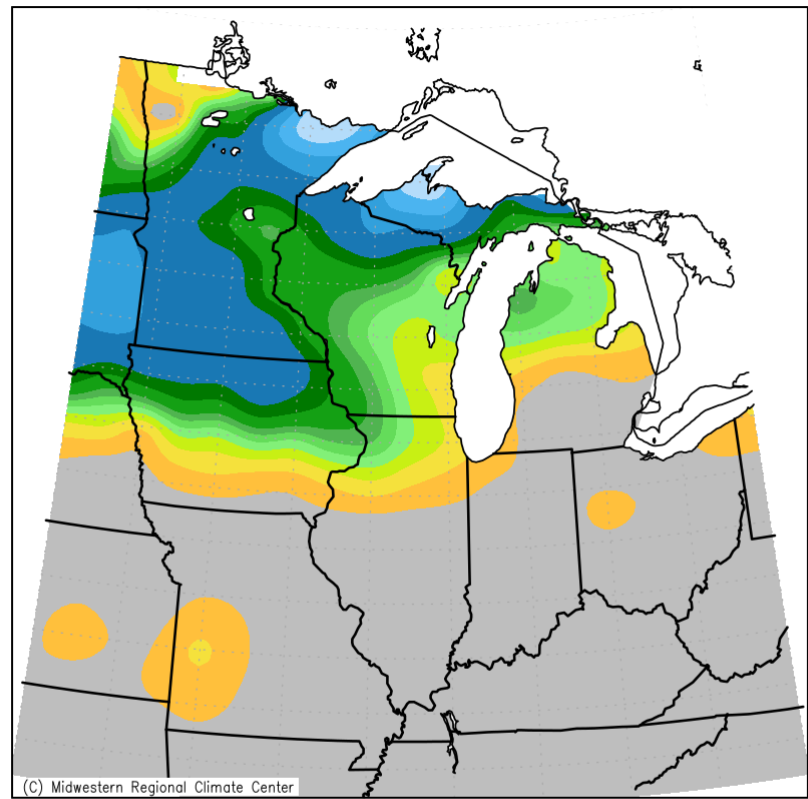
\*\*\* Saginaw Area precipitation records date back to January 1912.

# March 2021 – Regional Snowfall Summary



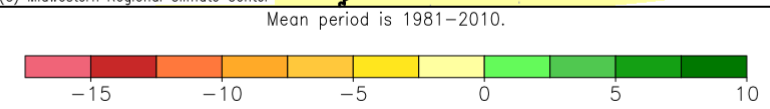
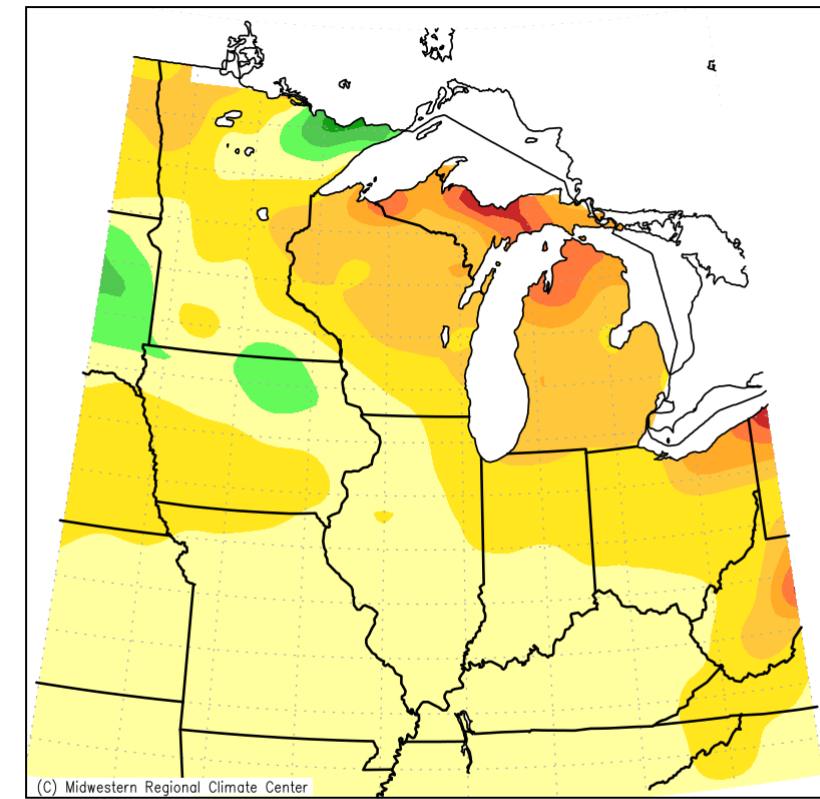
Total Monthly Snowfall (left) & Departure from Normal (right)

Accumulated Snowfall (in)  
March 1, 2021 to March 31, 2021



Midwestern Regional Climate Center  
cli-MATE: MRCC Application Tools Environment  
Generated at: 4/5/2021 3:38:24 AM CDT

Accumulated Snowfall (in): Departure from Mean  
March 1, 2021 to March 31, 2021

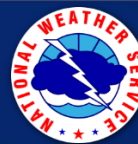


Midwestern Regional Climate Center  
cli-MATE: MRCC Application Tools Environment  
Generated at: 4/5/2021 3:39:01 AM CDT



# March 2021 – SE Michigan Snowfall Summary

Weather Forecast Office  
Detroit, MI



Highest daily total, monthly total, and total number of days of measureable snow (in.)

Location	Highest Daily Total	Monthly Total	# of Days with Snow	Location	Highest Daily Total	Monthly Total	# of Days with Snow	Location	Highest Daily Total	Monthly Total	# of Days with Snow
ALGONAC WWTP	0.0	0.0	0	DURAND 6.2 WNW	T	T	0	OTTAWA LK 1.4 SSW	0.0	0.0	0
ANN ARBOR 2.1 WNW	T	T	0	DURAND WWTP	0.0	0.0	0	OWOSSO WWTP	T	T	0
ANN ARBOR 3.1 SE	0.0	0.0	0	FARMINGTON	T	T	0	PLEASANT RDG 0.5 WNW	T	T	0
ANN ARBOR 7.1 W	T	T	0	FARMINGTON HILLS 1.4 N	T	T	0	PLYMOUTH 5.4 W	0.0	0.0	0
ANN ARBOR SE	0.1	0.1	1	FENTON 6.2 WSW	T	T	0	PONTIAC WWTP	0.0	0.0	0
ANN ARBOR U OF M	0.1	0.1	1	FILION 5NNW	0.8	0.9	2	PORT HURON	T	T	0
AUBURN 2NE	0.8	0.8	1	<b>FLINT FCWOS</b>	<b>0.1</b>	<b>0.2</b>	<b>2</b>	PORT HURON 1.6 W	T	T	0
BAD AXE	1.0	1.2	2	GOODRICH	T	T	0	RICHMOND 4 NNW	T	T	0
BAY PORT 3.2 SSW	1.4	1.4	1	GROSSE POINTE FARMS	T	T	0	SAGINAW 8NW	0.4	0.4	1
BURTON 4N	0.1	0.1	1	LAPEER 2W	0.2	0.2	1	SAGINAW #3	0.2	0.2	1
CANTON 2.7 N	T	T	0	LAPEER WWTP	T	T	0	<b>SAGINAW MBS INTL AP</b>	<b>0.4</b>	<b>0.4</b>	<b>1</b>
CARO WWTP	0.4	0.4	1	LEXINGTON WATER PLANT	T	T	0	SALINE 3.8 SSW	0.0	0.0	0
CASS CITY 1 SSW	0.5	0.5	1	LINDEN WWTP	0.0	0.0	0	SALINE 4SW	T	T	0
CHELSEA	T	T	0	LIVONIA 2.3 NNW	T	T	0	SHELBY 0.4 SSE	0.0	0.0	0
CHELSEA 3.7 NNE	T	T	0	MANCHESTER	T	T	0	TECUMSEH	T	T	0
CHESANING	0.0	0.0	0	MIDLAND 1.5 NNE	0.8	0.8	1	TIPTON 2WNW	T	T	0
DAVISON 5.2 N	T	T	0	MILLINGTON 3 SE	0.3	0.3	1	VASSAR	T	T	0
DEARBORN	0.0	0.0	0	MORENCI	T	T	0	WHITE LAKE 4E	0.2	0.2	1
<b>DETROIT METRO AP</b>	<b>T</b>	<b>T</b>	<b>0</b>	NEW BALTIMORE 0.4 SSE	T	T	0	WHITMORE LAKE 1NW	T	T	0
DEXTER 0.3 ENE	T	T	0	NEWPORT 4SSE	T	T	0	WYANDOTTE	T	T	0
DUNDEE	T	T	0	OIL CITY 2S	0.2	0.2	1				

# March – Top 20 Snowiest/Least Snowy on Record



## Top 20 Snowiest/Snowless Marches in Southeast Lower Michigan (in.)

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	30.2	1900	0.0	2010	19.4	1965	0.0	1945	27.5	1971	0.0	1981
2	24.1	1899	0.0	2021	18.9	1932	0.2	2021	21.7	1973	0.0	1946
3	21.8	1881	0.0	1946	18.3	1954	0.6	1946	19.3	1947	0.0	1945
4	21.0	2008	0.1	1910	17.7	1996	0.7	2010	18.5	1972	0.2	1990
5	21.0	1916	0.1	1903	16.8	1971	0.9	2012	17.4	1912	0.4	2021
6	15.8	1912	0.1	1880	16.3	1947	1.0	1953	15.3	1928	0.5	1927
7	15.7	1993	0.2	2012	16.0	1975	1.0	1936	14.9	2016	0.7	2009
8	15.5	1954	0.2	1991	14.4	1999	1.1	1938	14.6	2002	1.0	2010
9	14.7	1904	0.2	1905	14.4	1992	1.2	1991	14.4	1932	1.0	1987
10	14.6	1930	0.3	1945	14.3	1973	1.3	1949	14.2	1999	1.0	1921
11	14.5	1883	0.4	1961	13.8	1960	1.7	1924	13.5	1925	1.3	1942
12	14.4	1906	0.6	1981	13.5	1940	1.9	2000	13.3	1967	1.3	1917
13	14.3	1931	1.0	1927	13.0	1983	2.0	1941	13.1	1983	1.4	1988
14	13.6	1982	1.0	1953	12.8	1928	2.1	2006	13.0	1985	1.5	2020
15	13.3	1987	1.0	2009	12.5	1970	2.2	2009	12.4	1992	1.5	2008
16	13.3	1956	1.0	1908	12.3	2005	2.3	1933	12.3	1974	1.9	2019
17	13.2	1999	1.1	2000	11.9	1959	2.4	1927	12.0	2011	1.9	2004
18	13.2	1895	1.2	1902	11.8	1993	2.5	2019	11.8	2005	1.9	1978
19	13.1	1934	1.3	1920	11.7	2018	2.8	2020	11.8	1965	1.9	1966
20	12.9	1965	1.4	1939	11.6	2016	2.9	1990	11.7	1930	2.1	1977

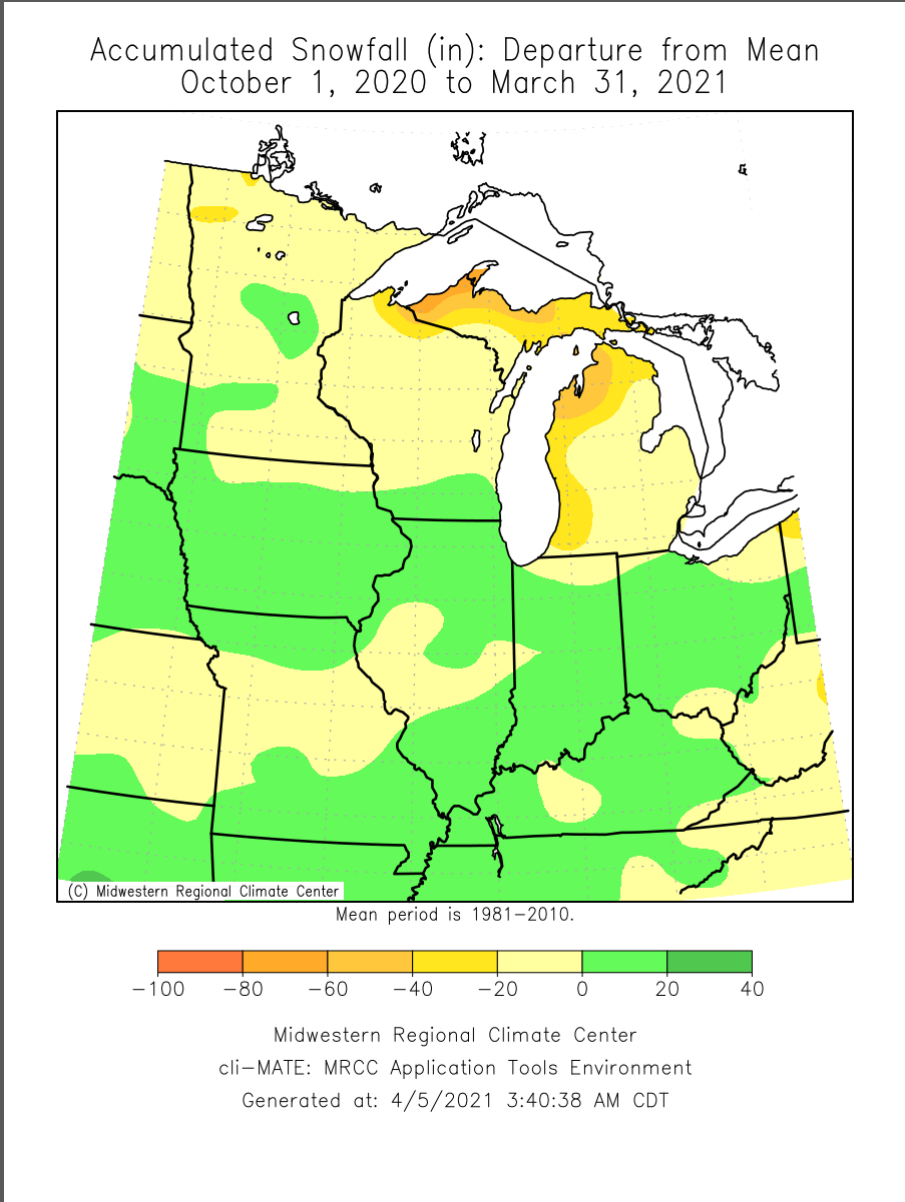
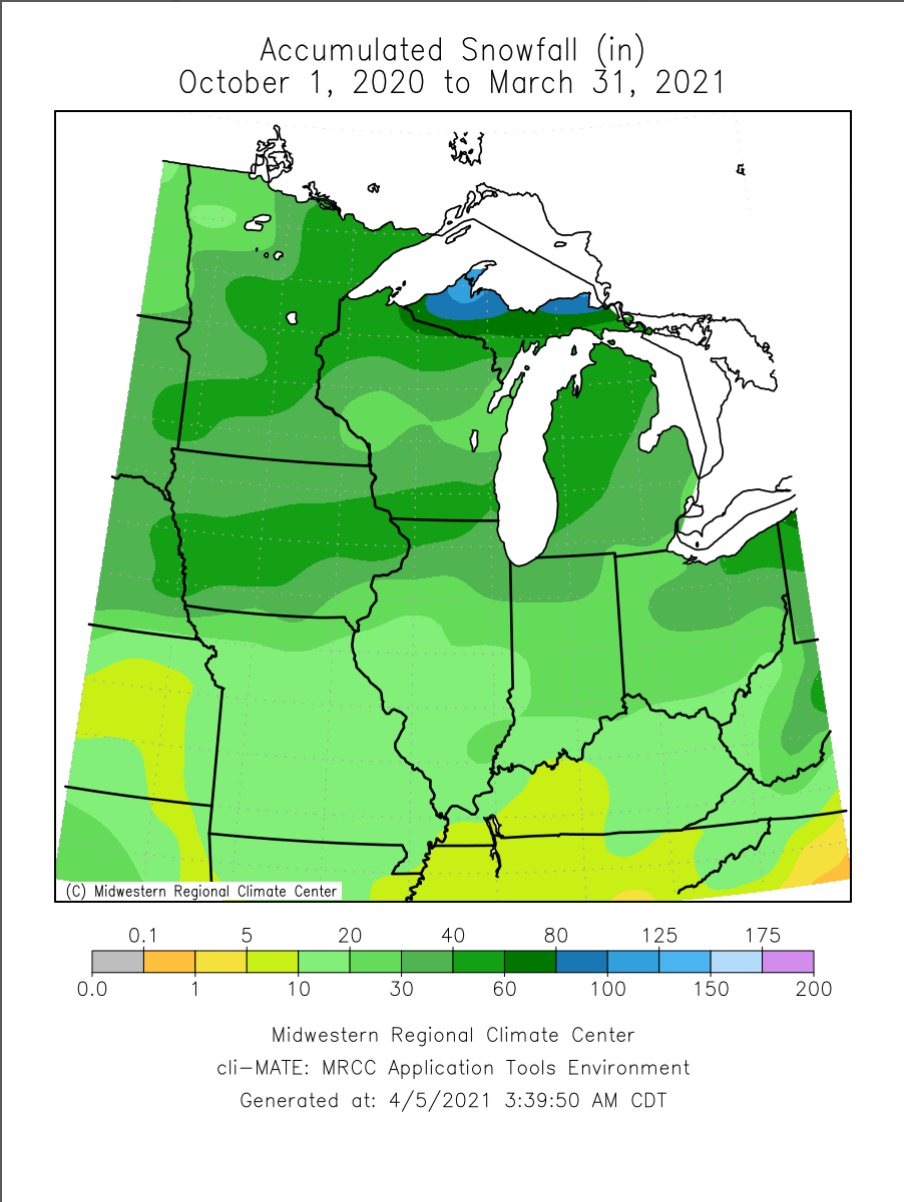
\* Detroit Area snowfall records date back to January 1880.

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

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

Note: this table does not account for trace (T) events

Total Snowfall (left) & Departure from Normal (right)



# March 2021 – Significant Weather Events

Follow links for web summaries

Weather Forecast Office  
Detroit, MI



No Significant Events in March



Observed Weather | Climate Locations | Climate Prediction | Climate Resources | Local Data/Records | Astronomical | NOWData

### Observed Weather Reports

1. Product »  
 Daily Climate Report (CLI)  
 Preliminary Monthly Climate Data (CF6)  
 Record Event Report (RER)  
 Monthly Weather Summary (CLM)  
 Regional Summary (RTP)  
 State Summary (Temp/Precip)

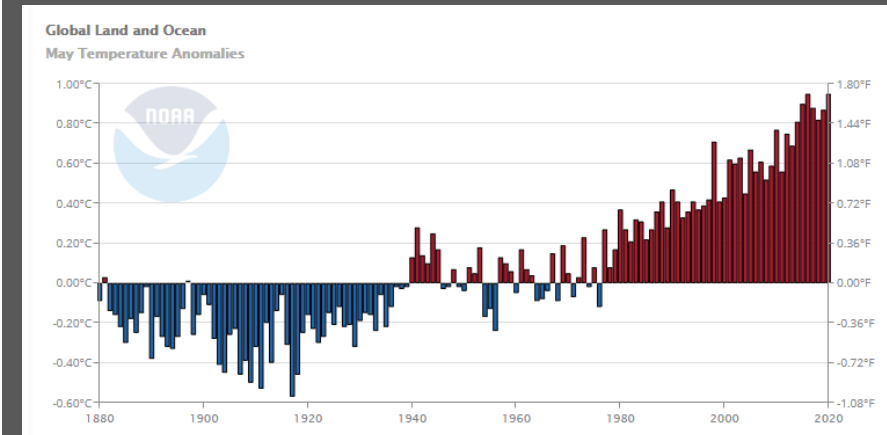
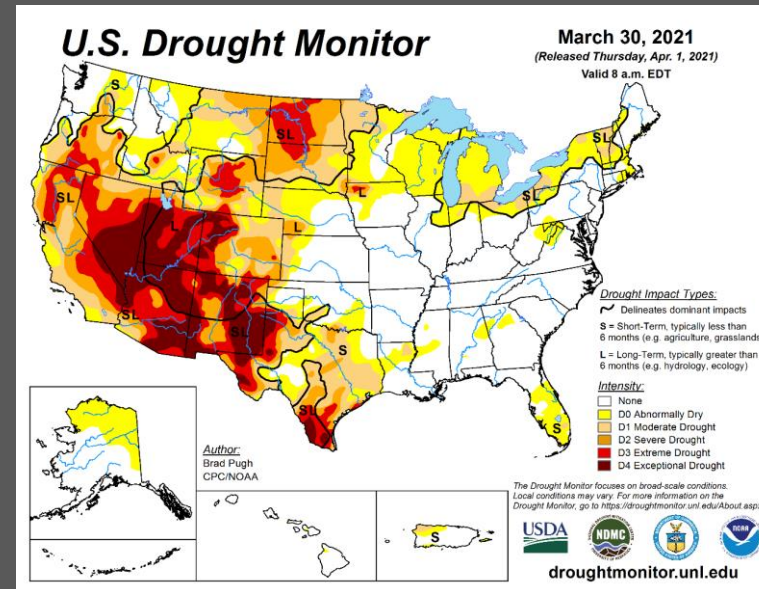
2. Location »  
Detroit  
Flint  
Saginaw

3. Timeframe »  
 Most Recent  
 Archived Data:  
July 3rd, 2020  
July 2nd, 2020  
July 1st, 2020  
June 30th, 2020  
June 29th, 2020  
June 28th, 2020

4. View »  
**Go**

[Storm Event Database \(NCDC\)](#)

**Product Description:**  
DAILY CLIMATE REPORT - issued daily:  
Detailed daily weather statistics (usually for yesterday), including temperature, precipitation, degree days, wind, humidity, sunrise/sunset, and record temperature data for the following day. Precipitation data includes both calendar year and water year totals, percent of normal values, and comparisons to normal. This product is



## SE Michigan Climate Products

[weather.gov/climate/index.php?wfo=dtx](https://weather.gov/climate/index.php?wfo=dtx)

## U.S. Drought Monitor

[drought.gov/drought/data-maps-tools/current-conditions](https://drought.gov/drought/data-maps-tools/current-conditions)

## NOAA NCEI Climate at a Glance

[ncdc.noaa.gov/cag/](https://ncdc.noaa.gov/cag/)

Thank you to our COOP and CoCoRaHS volunteer weather observers!