

Southeast Michigan Climate Summary

Monthly Temperature, Precipitation, Snowfall, and Severe Weather Summaries

Weather Forecast Office
Detroit, MI



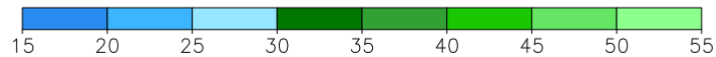
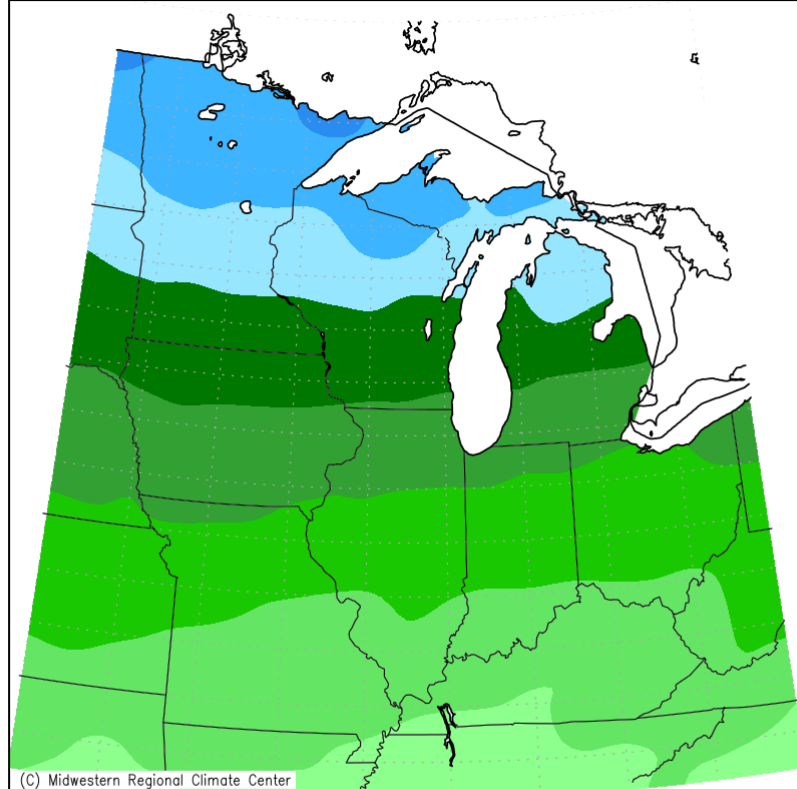
March 2022 – Regional Temperature Summary

Weather Forecast Office
Detroit, MI



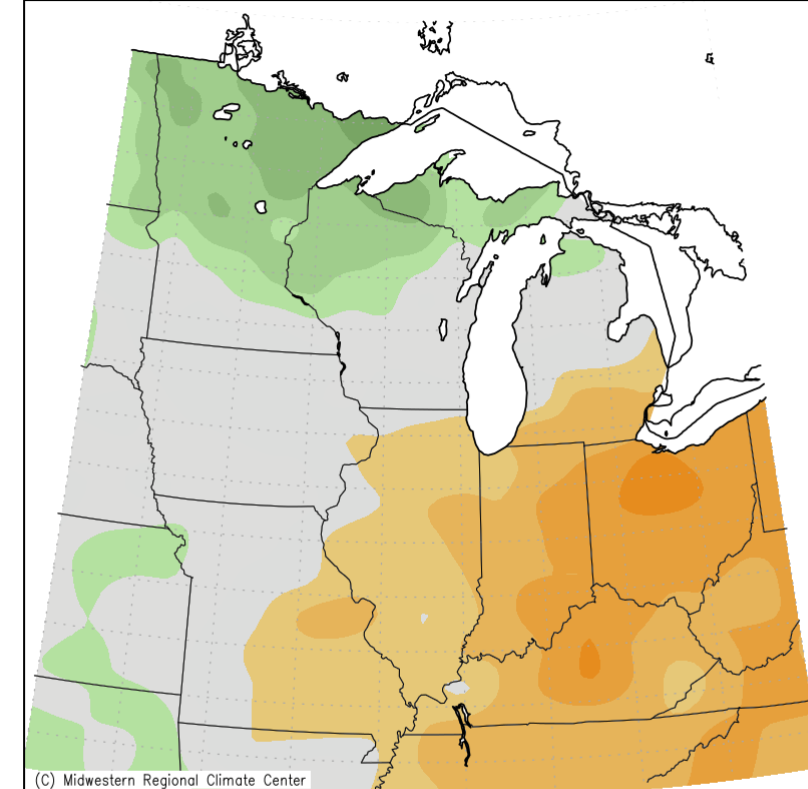
Average Temperature (left) & Departure from Average (right)

Average Temperature (°F)
March 1, 2022 to March 31, 2022



Midwestern Regional Climate Center
Purdue University

Average Temperature (°F): Departure from Mean
March 1, 2022 to March 31, 2022



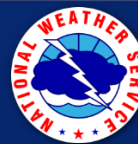
Mean period is 1991–2020.



Midwestern Regional Climate Center
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March 2022 – 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 2 NNE	73	14	49.5	28.8	39.2	FLINT FCWOS	71	8	45.4	26.7	36.1
ADRIAN LENAWEE CO AP	71	14	48.2	28.8	38.5	GOODRICH	71	8	44.8	25.2	35.0
ALGONAC WWTP	73	13	45.0	25.5	35.2	GROSSE POINTE FARMS	73	13	44.5	27.5	36.0
ANN ARBOR MUNICIPAL AP	73	9	47.3	26.1	36.7	HARBOR BEACH 1 SSE	70	10	39.4	24.2	31.8
ANN ARBOR SE	73	12	47.2	25.3	36.2	LAPEER 2W	71	5	43.7	25.1	34.4
ANN ARBOR U OF MICH	72	11	49.0	27.2	38.1	LAPEER WWTP	72	10	44.5	24.6	34.3
AUBURN 2NE	70	12	43.0	24.7	33.8	MANCHESTER	74	13	47.8	26.3	37.0
BAD AXE	67	9	40.2	22.9	31.5	MIDLAND	66	10	38.6	23.8	31.2
BURTON 4N	73	7	44.7	24.0	34.4	OIL CITY 2S	68	8	41.7	22.5	32.1
CASS CITY 1 SSW	70	8	42.2	22.3	32.2	PONTIAC INTL AP	72	10	45.4	26.9	36.2
CHELSEA	72	11	46.0	27.0	36.5	PONTIAC WWTP	72	12	45.5	26.5	36.0
DEARBORN	74	13	47.5	27.5	37.2	PORT HOPE	66	11	39.3	26.1	32.7
DEARBORN NO. 2	72	15	47.1	30.4	38.8	PORT HURON	70	14	43.9	29.5	36.7
DETROIT CITY AP	72	15	48.1	30.0	39.1	RICHMOND 4 NNW	70	8	42.6	25.3	33.9
DETROIT METRO AIRPORT	72	14	48.4	30.1	39.3	SAGINAW #3	70	10	42.8	24.1	33.5
DETROIT WILLOW RUN AP	75	15	50.4	30.5	40.5	SAGINAW MBS INTL AP	67	11	42.3	26.3	34.3
FARMINGTON	73	11	45.8	25.2	35.5	SALINE 4SW	75	11	48.3	26.9	37.6
FILION 5NNW	67	13	42.1	26.7	34.6	WHITE LAKE 4E	72	6	45.6	24.6	35.1
FLINT 7W	71	8	43.7	24.8	34.2	WHITMORE LAKE 1NW	72	8	45.5	24.4	35.0

March – Top 20 Coldest/Warmest on Record

Weather Forecast Office
Detroit, MI



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	1985
19	29.8	1932	40.3	1976	30.0	1937	38.5	2007	28.5	1959	36.8	1987
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.

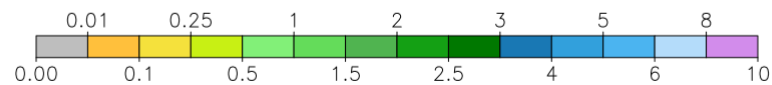
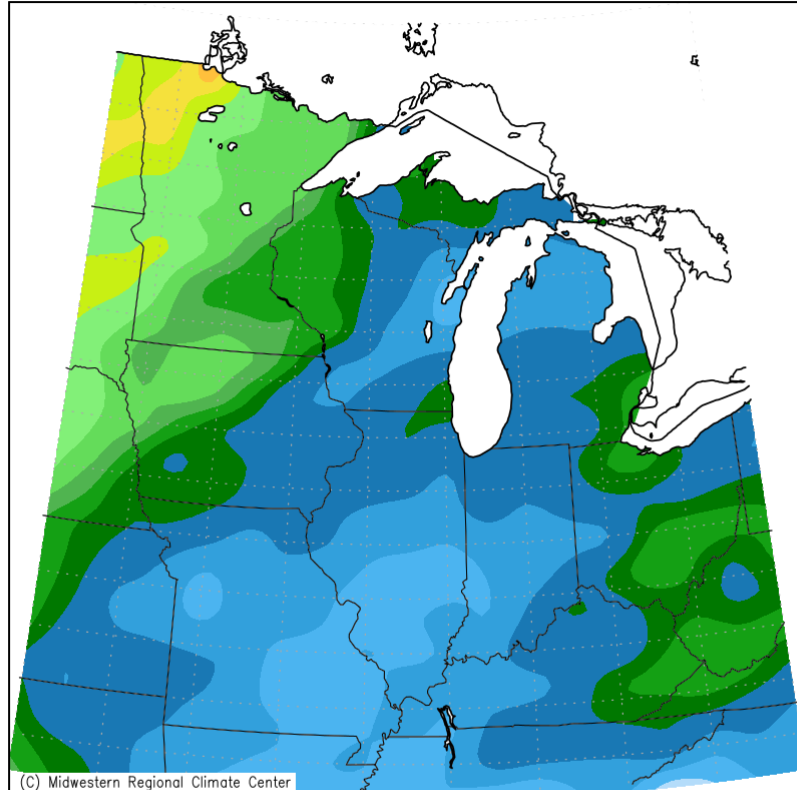
March 2022 – Regional Precipitation Summary

Weather Forecast Office
Detroit, MI



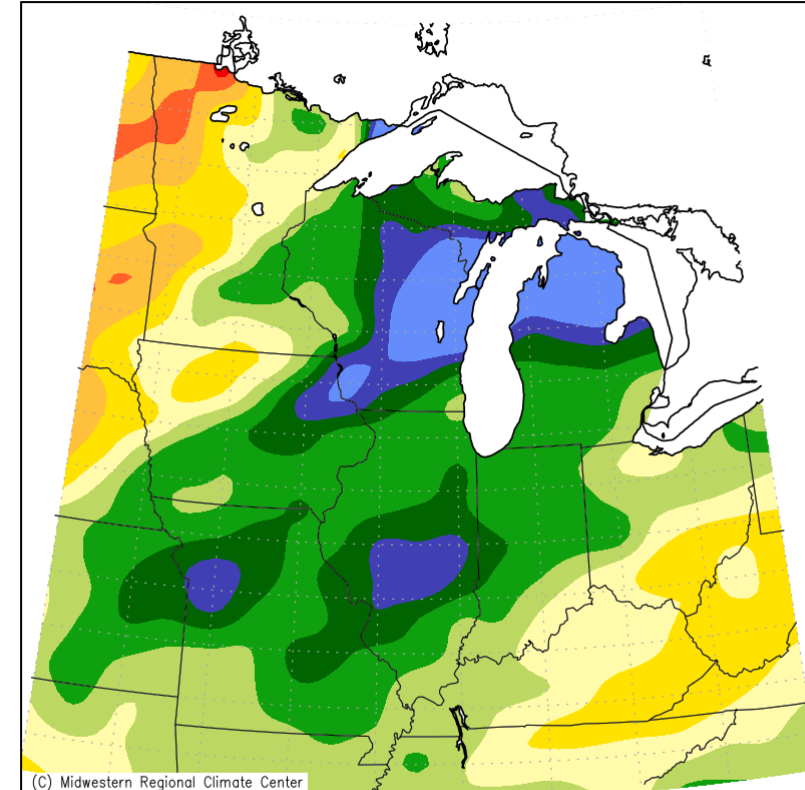
Total Monthly Precipitation (*left*) & Percent of Mean (*right*)

Accumulated Precipitation (in)
March 1, 2022 to March 31, 2022

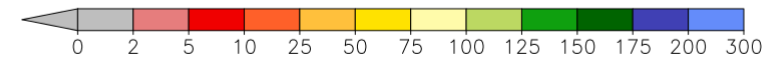


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Accumulated Precipitation: Percent of Mean
March 1, 2022 to March 31, 2022



Mean period is 1991–2020.



Midwestern Regional Climate Center
Purdue University

March 2022 – 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 2 NNE	0.81	3.12	15	DETROIT CITY AP	0.44	1.68	10	MONROE 3.0 S	0.34	1.76	15
ADRIAN LENAWEE CO AP	1.12	3.05	13	DETROIT METRO AIRPORT	0.56	2.18	13	OIL CITY 2S	1.03	3.79	14
ALGONAC WWTP	0.45	2.08	11	DETROIT WILLOW RUN AP	0.56	2.21	11	ORTONVILLE 2.3 S	0.98	3.18	14
ANN ARBOR 2.1 WNW	0.87	3.34	15	DEXTER 2.2 SE	0.84	3.35	15	OTTAWA LAKE 1.4 SSW	0.40	1.63	13
ANN ARBOR 4.5 W	1.31	3.95	14	DURAND WWTP	0.75	2.64	14	OWOSSO WWTP	0.92	3.46	14
ANN ARBOR MNCPL AP	0.68	2.74	15	FARMINGTON	0.47	2.50	14	PLEASANT RDG 0.5 WNW	0.48	2.36	15
ANN ARBOR SE	0.78	3.42	17	FENTON 2.7 SSE	0.63	2.90	14	PLYMOUTH 5.4 W	0.79	2.86	13
ANN ARBOR U OF MICH	1.08	3.63	16	FENTON 6.2 WSW	0.45	2.42	14	PONTIAC INTL AP	1.06	2.53	14
AUBURN 2NE	0.78	3.35	13	FILION 5NNW	1.08	4.85	18	PONTIAC WWTP	0.56	2.61	12
BAD AXE	1.18	4.41	18	FLINT 7W	0.58	2.60	14	PORT HOPE	1.06	4.06	15
BAD AXE 6.3 SSW	0.79	4.06	16	FLINT FCWOS	0.68	2.47	15	PORT HURON	0.83	2.08	9
BAY PORT 3.2 SSW	1.03	4.10	17	GIBRALTAR 1.2 W	0.65	2.17	10	PORT HURON 1.6 W	0.79	2.34	13
BURTON 4N	0.64	3.09	15	GOODRICH	0.69	2.53	14	PORT HURON 2.8 WSW	0.85	2.24	11
CANTON 2.7 N	0.55	2.48	14	GROSSE POINTE FARMS	0.52	2.33	13	RICHMOND 4 NNW	0.51	2.35	16
CASS CITY 1 SSW	0.50	2.62	16	HARBOR BEACH 1 SSE	0.99	3.67	14	ROSEVILLE	0.66	1.91	12
CHELSEA	0.79	2.90	13	HIGHLAND 1.3 NE	1.04	3.45	15	ROSEVILLE 1.7 ENE	0.45	2.03	14
CHELSEA 3.7 NNE	0.72	3.03	14	LAPEER 2W	0.87	3.22	17	SAGINAW 6.4 W	0.81	3.30	12
CHESANING	1.09	3.39	12	LAPEER WWTP	0.80	3.02	14	SAGINAW 8NW	0.80	3.44	13
CHESTERFIELD 2.4 E	0.45	2.15	15	LINDEN WWTP	0.50	2.66	12	SAGINAW MBS INTL AP	1.08	3.17	12
CLARKSTON 1.4 NE	0.91	3.24	11	LIVONIA 2.0 NE	0.55	2.36	13	SALINE 3.8 SSW	0.87	3.17	15
DAVISON 3.4 NNW	0.67	2.89	13	LIVONIA 2.3 NNW	0.42	2.31	16	SALINE 4SW	0.90	3.24	14
DAVISON 5.2 N	0.48	1.91	12	MANCHESTER	0.97	3.17	15	SHELBY 0.4 SSE	0.55	2.32	13
DEARBORN	0.48	2.14	12	MIDLAND 1.5 NNE	0.94	3.77	15	WATERFORD 2.1 NW	0.68	2.05	15
DEARBORN HGHTS 1.8 NW	0.57	2.07	12	MIDLAND 2.9 SW	0.92	3.98	15	WHITE LAKE 0.5 E	0.76	3.10	15
DEARBORN NO. 2	0.43	2.26	14	MILLINGTON 3 SE	0.84	2.62	11	WHITE LAKE 4E	1.21	3.24	15
								WYANDOTTE	0.51	2.23	15

March – Top 20 Wettest/Driest on Record



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	2016	0.25	1958	6.69	1998	0.31	1981
2	5.50	1876	0.47	1958	4.33	1948	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	3.17	2022	0.80	2015
12	4.20	1974	1.07	2010	3.21	2017	0.92	2015	3.08	1974	0.85	1996
13	4.17	2009	1.12	1999	3.13	1923	1.04	2005	3.07	1961	0.90	1969
14	4.09	1904	1.13	1960	2.94	1961	1.11	2018	3.07	1918	1.03	2014
15	3.92	1916	1.14	1962	2.93	1954	1.11	1939	3.05	1919	1.08	1999
16	3.88	1980	1.16	1988	2.87	1991	1.21	2014	3.01	1971	1.08	1993
17	3.87	1954	1.17	1889	2.83	2006	1.21	1993	2.97	1984	1.08	1946
18	3.86	2020	1.24	1915	2.83	1984	1.24	1995	2.94	1997	1.10	1978
19	3.70	1897	1.28	1936	2.78	1977	1.27	1941	2.92	1983	1.10	1914
20	3.62	1998	1.32	1890	2.78	1975	1.28	1937	2.86	2006	1.11	1924

* Detroit Area precipitation records date back to November 1874.

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

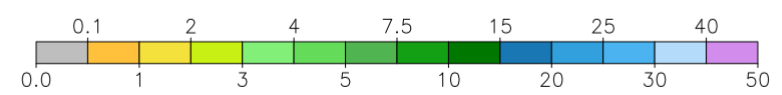
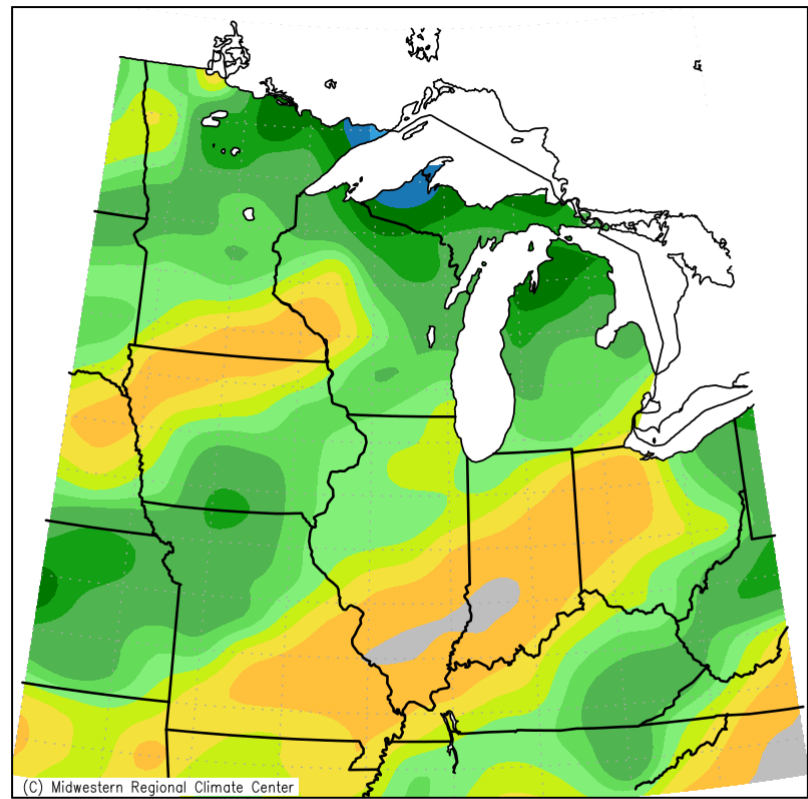
*** Saginaw Area precipitation records date back to January 1912.

March 2022 – Regional Snowfall Summary



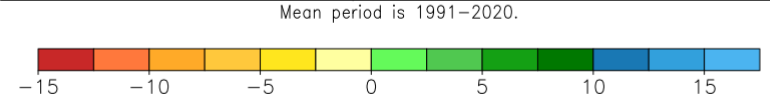
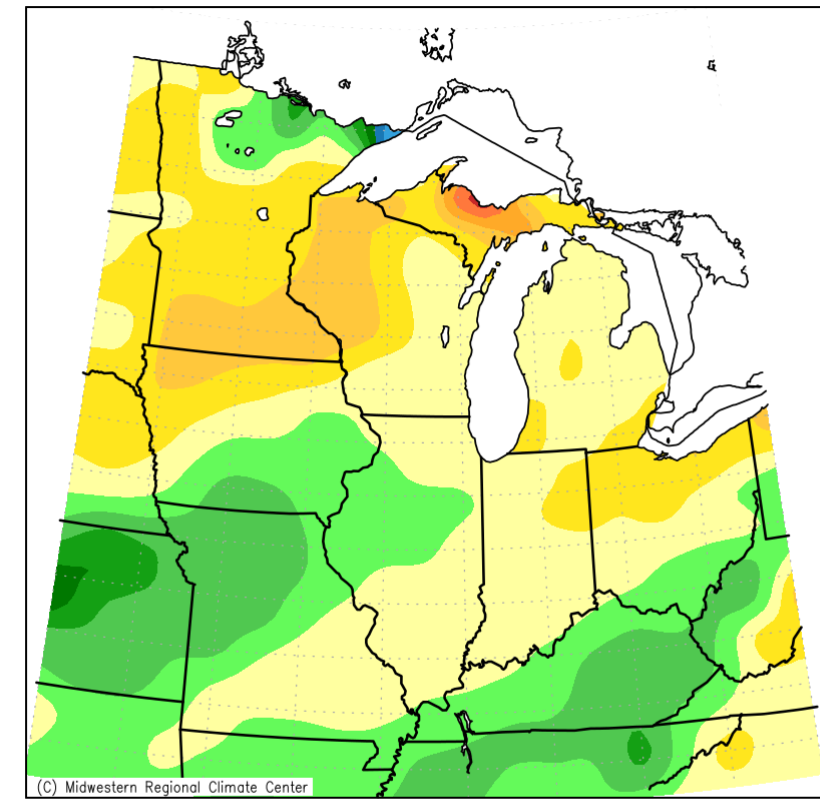
Total Monthly Snowfall (*left*) & Departure from Normal (*right*)

Accumulated Snowfall (in)
March 1, 2022 to March 31, 2022



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 4/5/2022 9:15:37 AM CDT

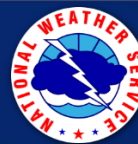
Accumulated Snowfall (in): Departure from Mean
March 1, 2022 to March 31, 2022



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 4/5/2022 9:25:01 AM CDT

March 2022 – 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
ADRIAN 2 NNE	1.0	1.2	2	FARMINGTON	1.0	1.9	4	OTTAWA LAKE 1.4 SSW	0.4	0.8	3
ANN ARBOR 2.1 WNW	1.5	3.4	4	FENTON 6.2 WSW	3.7	4.7	5	OWOSSO WWTP	3.8	5.2	5
ANN ARBOR 7.1 W	1.7	3.5	4	FILION 5NNW	2.6	7.9	7	PLYMOUTH 5.4 W	1.6	1.6	1
ANN ARBOR SE	1.8	6.2	9	FLINT 7W	3.7	6.8	7	PONTIAC WWTP	1.4	1.6	2
ANN ARBOR U OF MICH	2.6	6.3	9	FLINT FCWOS	4.1	6.8	5	PORT HURON	1.1	1.1	1
AUBURN 2NE	1.0	3.2	7	GOODRICH	2.2	4.7	6	PORT HURON 1.6 W	1.8	1.8	1
BAD AXE	1.4	6.0	7	GROSSE POINTE FARMS	0.5	1.1	3	RICHMOND 4 NNW	1.6	5.2	7
BAY PORT 3.2 SSW	2.0	4.4	5	HARBOR BEACH 1 SSE	2.7	4.8	5	ROSEVILLE	1.0	1.0	1
BURTON 4N	2.2	3.8	6	LAPEER 2W	2.1	6.1	7	SAGINAW 8NW	1.3	3.1	3
CANTON 2.7 N	0.9	2.0	3	LAPEER WWTP	1.0	2.5	3	SAGINAW #3	1.7	3.3	4
CARO WWTP	2.1	2.8	3	LINDEN WWTP	2.0	2.5	2	SAGINAW MBS INTL AP	2.0	3.6	3
CASS CITY 1 SSW	2.0	6.1	4	LIVONIA 2.3 NNW	1.3	3.2	5	SALINE 3.8 SSW	1.5	2.5	3
CHELSEA	3.2	4.5	3	MANCHESTER	1.5	2.8	4	SALINE 4SW	1.4	1.7	2
CHELSEA 3.7 NNE	3.0	4.2	5	MIDLAND	3.0	4.0	2	SHELBY 0.4 SSE	1.3	1.3	1
DAVISON 5.2 N	2.8	6.0	6	MIDLAND 1.5 NNE	2.4	3.9	4	WATERFORD 2.1 NW	1.5	2.9	4
DEARBORN	0.8	1.3	2	MILLINGTON 3 SE	3.6	7.5	6	WHITE LAKE 4E	2.2	4.5	4
DETROIT METRO AIRPORT	1.4	3.4	6	NEW BALTIMORE 0.4 SSE	1.5	2.2	3	WHITMORE LAKE 1NW	3.0	3.0	1
DURAND WWTP	3.5	4.0	2	OIL CITY 2S	1.9	3.1	4	WYANDOTTE	1.4	3.7	7

March – Top 20 Snowiest/Least Snowy on Record

Weather Forecast Office
Detroit, MI



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	2021	19.4	1965	0.0	1945	27.5	1971	0.0	1981
2	24.1	1899	0.0	2010	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	1991	16.0	1975	1.0	1936	14.9	2016	0.7	2009
8	15.5	1954	0.2	2012	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	1953	13.0	1983	2.0	1941	13.1	1983	1.4	1988
14	13.6	1982	1.0	2009	12.8	1928	2.1	2006	13.0	1985	1.5	2020
15	13.3	1987	1.0	1927	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	1978
17	13.2	1999	1.1	2000	11.9	1959	2.4	1927	12.0	2011	1.9	2019
18	13.2	1895	1.2	1902	11.8	1993	2.5	2019	11.8	2005	1.9	2004
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.

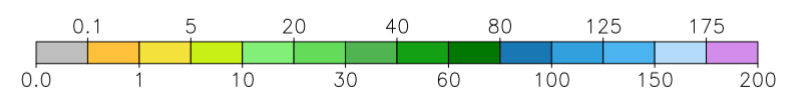
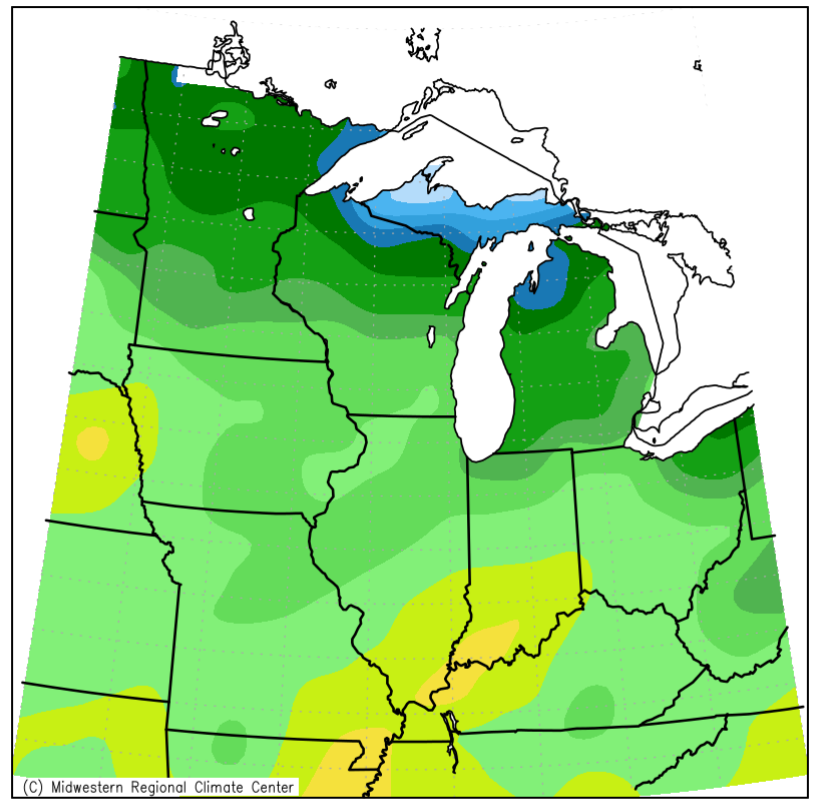
** Flint Bishop snowfall records date back to January 1921.

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

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

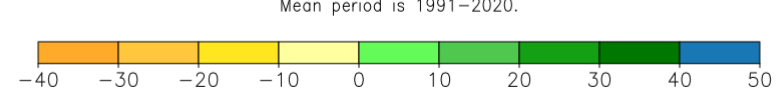
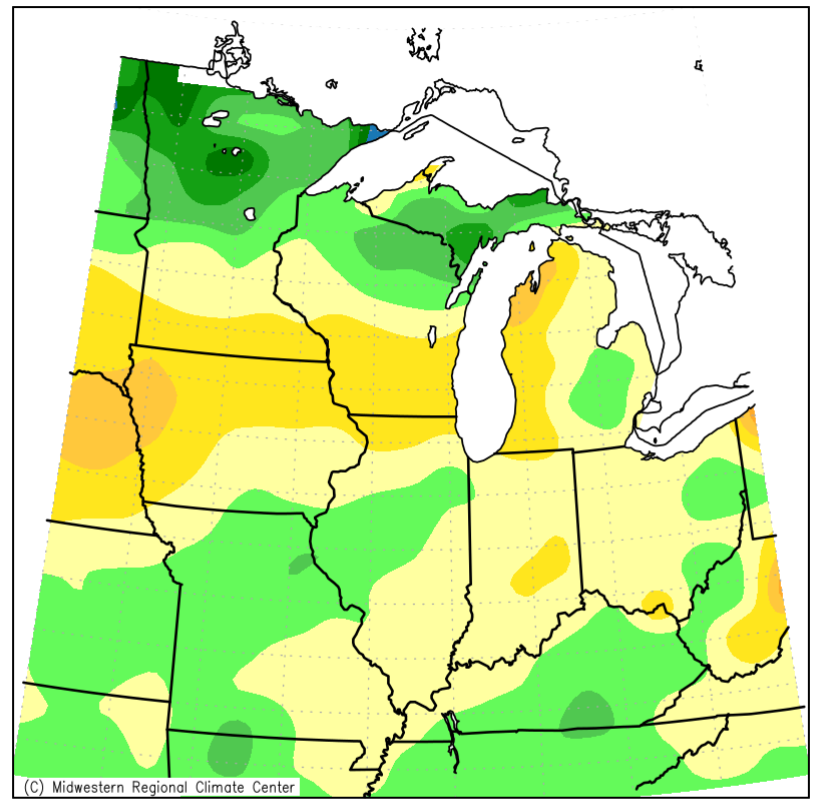
Total Snowfall (left) & Departure from Normal (right)

Accumulated Snowfall (in)
October 1, 2021 to March 31, 2022



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 4/5/2022 9:25:51 AM CDT

Accumulated Snowfall (in): Departure from Mean
October 1, 2021 to March 31, 2022



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 4/5/2022 9:26:24 AM CDT



Follow links for web summaries

March 6 High Wind

weather.gov/dtx/High-Wind-March-6-2022



NOWData Observed Weather Climate Prediction and Variability Local Data/Records Climate Resources

NOWData - NOAA Online Weather Data

1. Location » 2. Product » 3. Options » 4. View »

View map

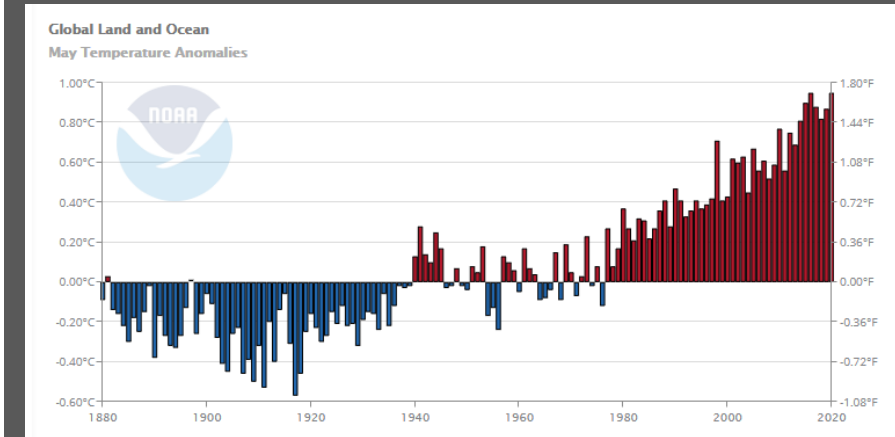
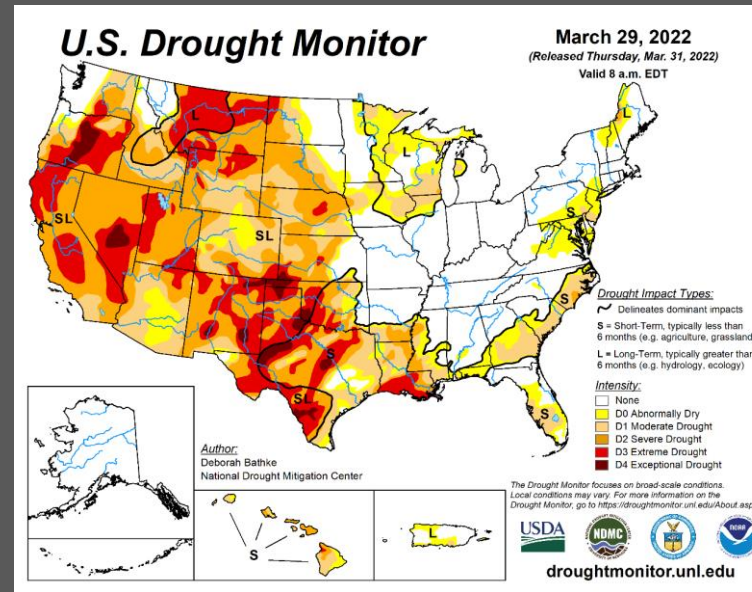
Daily data for a month Date: 2021-08

Daily almanac
 Monthly summarized data
 Calendar day summaries
 Daily/monthly normals
 Climatology for a day
 First/last dates
 Temperature graphs
 Accumulation graphs

Product Description:
DAILY DATA FOR A MONTH - daily maximum, minimum and average temperature (degrees F), average temperature departure from normal (degrees F), heating and cooling degree days (base 65), precipitation, snowfall and snow depth (inches) for all days of the selected month. Basic monthly summary statistics are also provided.

Powered by **CACIS**
10/22 Regional Climate Centers

The Applied Climate Information System (ACIS) is a joint project of the Regional Climate Centers, the National Centers for Environmental Information (NCEI) and the National Weather Service. Official data and data for additional locations are available from the Regional Climate Centers and NCEI.



SE Michigan Climate Products

weather.gov/wrh/climate?wfo=dtx

U.S. Drought Monitor

drought.gov/drought/data-maps-tools/current-conditions

NOAA NCEI Climate at a Glance

ncdc.noaa.gov/cag/

Thank you to our COOP and CoCoRaHS volunteer weather observers!