

Southeast Michigan Climate Summary

Monthly Temperature, Precipitation, Snowfall, and Severe Weather Summaries

Weather Forecast Office
Detroit, MI



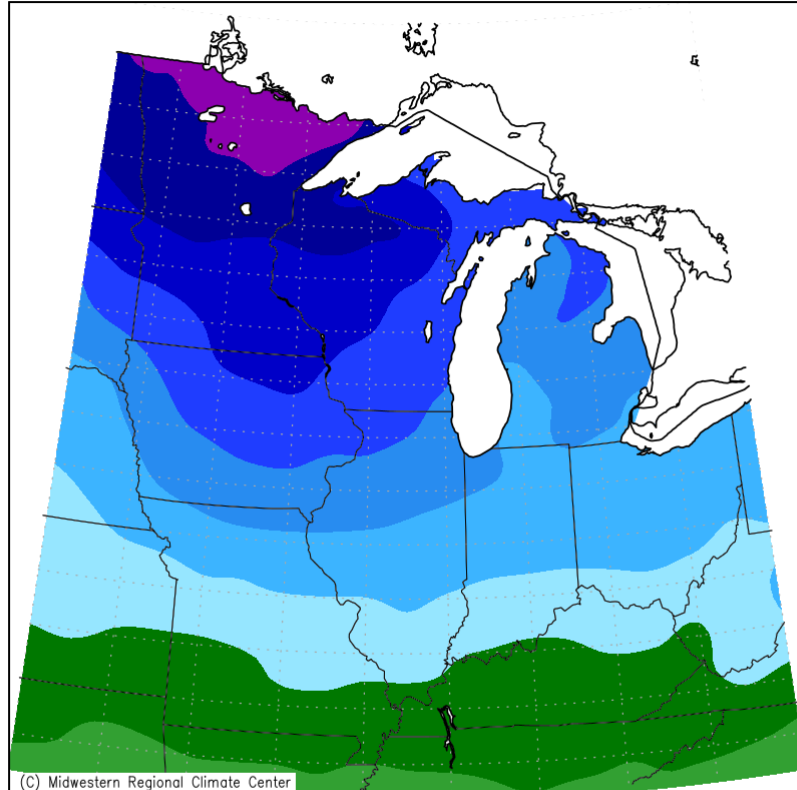
January 2022 – Regional Temperature Summary

Weather Forecast Office
Detroit, MI



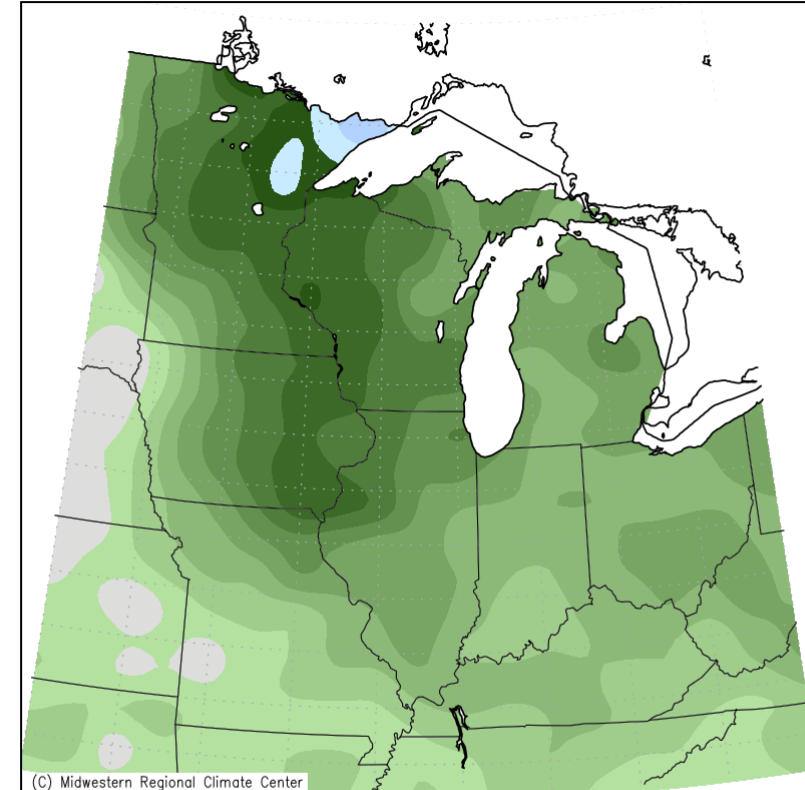
Average Temperature (left) & Departure from Average (right)

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



Midwestern Regional Climate Center
Purdue University

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



Mean period is 1991–2020.



Midwestern Regional Climate Center
Purdue University

January 2022 – SE Michigan Temperature Summary

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 LENA WEE CO AP	42	-9	27.8	10.0	18.9	LAPEER 2W	40	-12	27.2	9.3	18.2
ALGONAC WWTP	44	2	30.5	12.5	21.5	LAPEER WWTP	40	-11	28.4	7.1	17.6
ANN ARBOR MUNICIPAL AP	42	-13	27.5	7.4	17.5	LEXINGTON WATER PLANT	40	2	26.5	10.7	18.6
ANN ARBOR SE	43	-6	29.3	9.9	19.6	MANCHESTER	43	-9	30.0	11.3	20.6
ANN ARBOR U OF MICH	41	-11	28.4	10.4	19.4	MIDLAND	36	-6	22.2	6.7	14.5
AUBURN 2NE	40	-10	26.5	9.0	17.8	MORENCI	46	-7	29.5	9.5	19.5
BAD AXE	39	-7	24.7	9.5	17.1	OIL CITY 2S	40	-10	25.2	6.7	16.0
BURTON 4N	40	-12	27.1	7.1	17.1	OWOSSO WWTP	40	-9	26.6	9.1	18.0
CARO WWTP	40	-12	25.6	7.3	16.5	PONTIAC INTL AP	40	-8	26.5	9.7	18.1
CASS CITY 1 SSW	40	-12	26.0	5.1	15.6	PONTIAC WWTP	40	-1	27.9	11.9	19.9
CHELSEA	43	-13	28.6	9.6	19.1	PORT HOPE	40	0	26.8	14.4	20.6
DEARBORN	44	-4	29.1	11.9	20.5	PORT HURON	41	4	27.5	15.0	21.2
DEARBORN NO. 2	45	-1	30.3	15.1	22.7	RICHMOND 4 NNW	40	0	26.9	9.7	18.3
DETROIT CITY AP	44	1	29.7	14.6	22.2	SAGINAW #3	39	-6	26.1	9.8	18.0
DETROIT METRO AIRPORT	44	-5	28.5	12.1	20.3	SAGINAW MBS INTL AP	39	-5	25.9	10.0	17.9
DETROIT WILLOW RUN AP	45	-6	30.5	12.0	21.3	SALINE 4SW	44	-6	30.1	11.3	20.4
FARMINGTON	41	-4	27.8	10.5	19.2	TIPTON 2WNW	43	-8	29.7	7.7	18.4
FLINT FCWOS	41	-14	26.9	8.3	17.6	VASSAR	40	-14	26.2	4.8	15.4
GOODRICH	40	-11	27.4	7.6	17.5	WHITE LAKE 4E	39	-13	25.8	6.1	16.0
GROSSE POINTE FARMS	43	3	27.9	13.9	20.9	WHITMORE LAKE 1NW	41	-10	27.7	10.2	19.0
HARBOR BEACH 1 SSE	40	0	26.3	13.4	19.8						

January – Top 20 Coldest/Warmest on Record

Weather Forecast Office
Detroit, MI



Top 20 Coldest/Warmest Januaries 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	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	2022	28.8	1944	16.0	2014	28.1	1950
15	17.9	1984	31.6	1949	17.6	1957	28.7	1973	16.1	1959	28.0	1949
16	17.9	1888	31.0	1919	17.8	1962	28.6	1921	16.4	1984	27.9	2017
17	18.0	1945	31.0	1882	18.0	1981	28.2	2021	16.5	1962	27.6	1916
18	18.6	1979	30.8	1944	18.0	1929	28.2	1937	16.6	1981	27.4	1944
19	19.0	1981	30.7	2012	18.1	1976	28.1	2016	16.6	1978	27.2	1964
20	19.0	1940	30.5	1953	18.2	1978	28.0	1975	16.8	1985	27.1	2021

* 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.

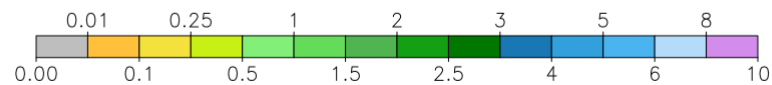
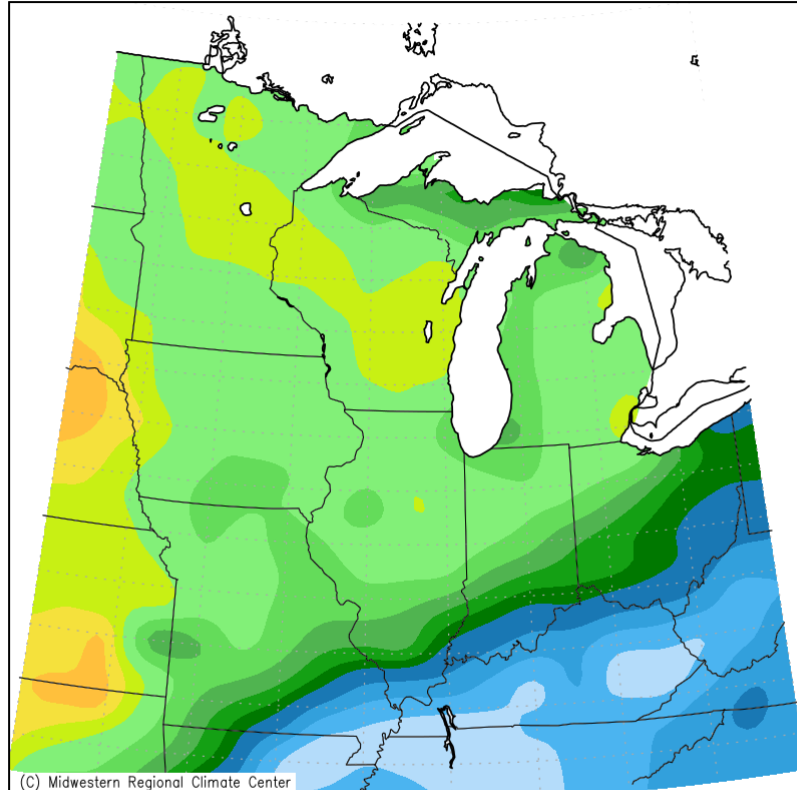
January 2022 – Regional Precipitation Summary

Weather Forecast Office
Detroit, MI



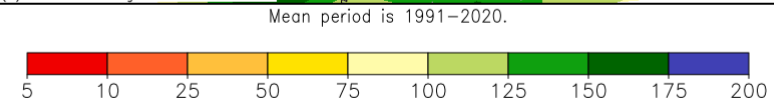
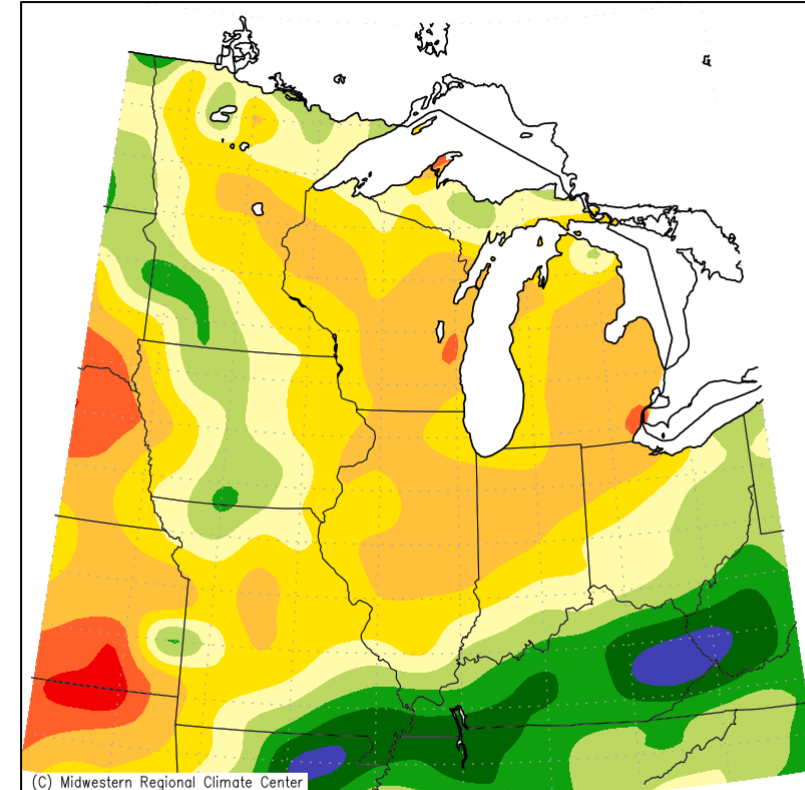
Total Monthly Precipitation (*left*) & Percent of Mean (*right*)

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



Midwestern Regional Climate Center
Purdue University

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



Midwestern Regional Climate Center
Purdue University

January 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	0.15	0.53	6	DEARBORN HGHTS 1.8 NW	0.20	0.51	6	MONROE 3.0 S	0.24	0.52	6
ADRIAN LENAWEE CO AP	0.16	0.29	3	DEARBORN NO. 2	0.18	0.55	5	MORENCI	0.33	0.69	5
ALGONAC WWTP	0.35	0.57	3	DETROIT METRO AIRPORT	0.16	0.52	6	OIL CITY 2S	0.06	0.33	9
ANN ARBOR MUNICIPAL AP	0.09	0.26	4	DEXTER 2.2 SE	0.29	0.74	10	ORTONVILLE 2.3 S	0.25	0.51	9
ANN ARBOR SE	0.29	0.77	14	DURAND WWTP	0.27	0.43	8	OTTAWA LAKE 1.4 SSW	0.25	0.47	7
ANN ARBOR U OF MICH	0.21	0.85	14	FARMINGTON	0.27	0.56	5	OWOSSO WWTP	0.25	0.78	10
AUBURN 2NE	0.13	0.39	8	FENTON 2.7 SSE	0.37	0.76	11	PLEASANT RIDGE 0.5 WNW	0.19	0.51	8
BAD AXE	0.14	0.64	15	FENTON 6.2 WSW	0.24	0.51	8	PONTIAC WWTP	0.22	0.48	6
BAY PORT 3.2 SSW	0.11	0.37	7	FLINT FCWOS	0.20	0.62	9	PORT HOPE	0.16	0.63	18
BURTON 4N	0.39	1.05	8	FRASER 1.2 N	0.60	0.84	4	PORT HURON	0.22	0.73	6
CANTON 2.7 N	0.24	0.58	6	GOODRICH	0.19	0.45	7	RICHMOND 4 NNW	0.22	0.49	6
CARLETON 2.5 S	0.25	0.42	3	GROSSE POINTE FARMS	0.28	0.64	5	ROSEVILLE	0.20	0.53	4
CARO WWTP	0.20	0.72	10	HARBOR BEACH 1 SSE	0.17	0.73	12	ROSEVILLE 1.7 ENE	0.26	0.52	7
CASS CITY 1 SSW	0.15	0.64	10	LAPEER 2W	0.24	0.89	13	SAGINAW 8NW	0.13	0.37	7
CHELSEA	0.29	0.69	8	LAPEER WWTP	0.28	0.66	8	SAGINAW #3	0.22	0.74	9
CHELSEA 3.7 NNE	0.24	0.69	7	LEXINGTON WATER PLANT	0.27	0.73	9	SAGINAW MBS INTL AP	0.17	0.44	9
CHESANING	0.25	0.70	7	LINDEN WWTP	0.32	0.57	8	VASSAR	0.24	0.68	7
CHESTERFIELD 2.4 E	0.17	0.39	8	LIVONIA 2.0 NE	0.18	0.41	5	WATERFORD 2.1 NW	0.18	0.44	8
CLARKSTON 1.4 NE	0.31	0.78	7	MANCHESTER	0.29	0.61	9	WHITE LAKE 0.5 E	0.18	0.60	13
CLINTON 0.5 NE	0.24	0.47	6	MIDLAND	0.06	0.31	8	WHITE LAKE 4E	0.20	0.61	10
DAVISON 3.4 NNW	0.19	0.58	8	MIDLAND 1.5 NNE	0.10	0.41	10	WHITMORE LAKE 1NW	0.35	0.87	7
DAVISON 5.2 N	0.28	0.57	7	MIDLAND 2.9 SW	0.09	0.45	8	WYANDOTTE	0.24	0.65	7
DEARBORN	0.19	0.48	5								

January – Top 20 Wettest/Driest on Record

Weather Forecast Office
Detroit, MI



Top 20 Wettest/Driest Januaries 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	5.02	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	0.52	2022	3.21	1950	0.45	1921	3.43	2005	0.44	2022
6	4.12	2020	0.57	1981	3.17	1951	0.46	1971	3.26	2013	0.46	1961
7	3.95	1913	0.57	1902	3.13	2017	0.48	1958	3.19	1967	0.46	1933
8	3.92	1993	0.64	1963	3.07	1932	0.51	1966	3.11	1914	0.50	2003
9	3.87	1907	0.68	1966	3.05	1998	0.56	1984	3.09	1999	0.50	1942
10	3.85	1930	0.69	2001	2.93	2005	0.57	1977	3.06	1978	0.54	1981
11	3.74	1965	0.69	1980	2.89	1999	0.59	1981	3.00	2006	0.59	1980
12	3.64	1937	0.76	2010	2.89	1975	0.62	2022	2.97	1962	0.62	1984
13	3.45	2013	0.78	1984	2.80	1993	0.63	1963	2.92	1974	0.68	1977
14	3.43	1982	0.80	1958	2.61	1974	0.63	1934	2.91	1969	0.74	1920
15	3.40	2005	0.84	1983	2.60	1965	0.70	1986	2.79	1965	0.75	1926
16	3.36	2002	0.87	1938	2.60	1949	0.78	1970	2.72	1982	0.77	2021
17	3.34	1904	0.91	1919	2.53	2014	0.82	1922	2.71	1959	0.77	2009
18	3.32	1898	0.92	1891	2.52	1959	0.83	2010	2.67	1951	0.78	1912
19	3.26	1974	0.94	1894	2.49	2008	0.91	1925	2.64	1975	0.79	1986
20	3.26	1914	0.97	1875	2.41	1967	0.93	1936	2.63	1997	0.81	1964

* 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.

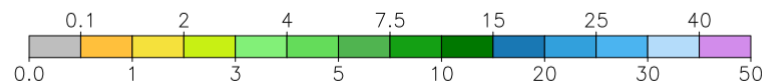
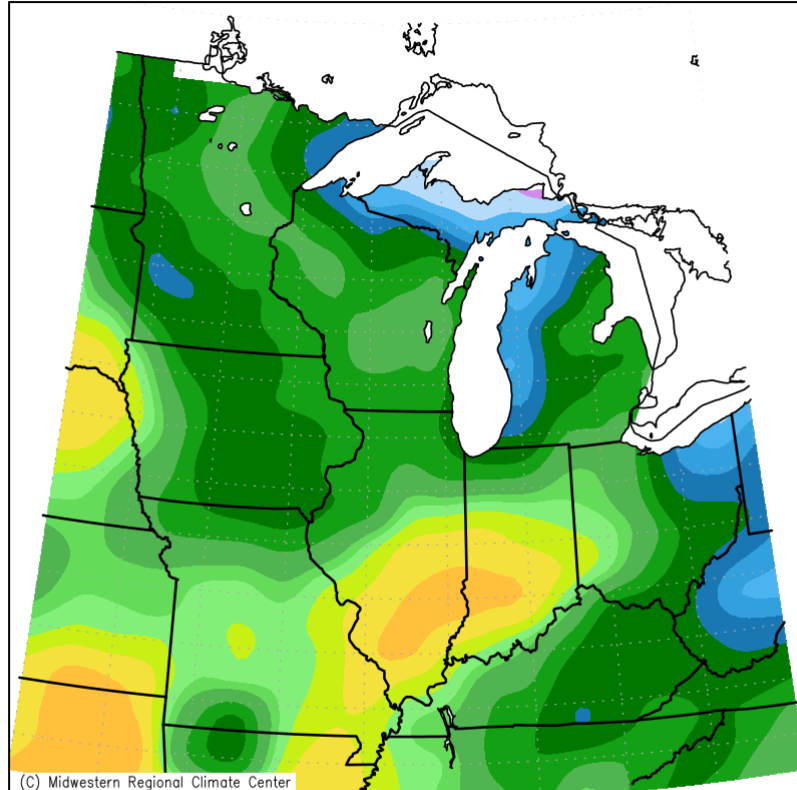
January 2022 – Regional Snowfall Summary

Weather Forecast Office
Detroit, MI



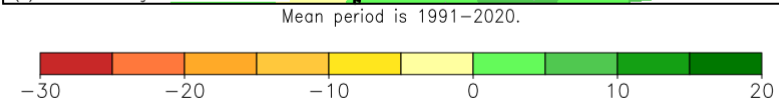
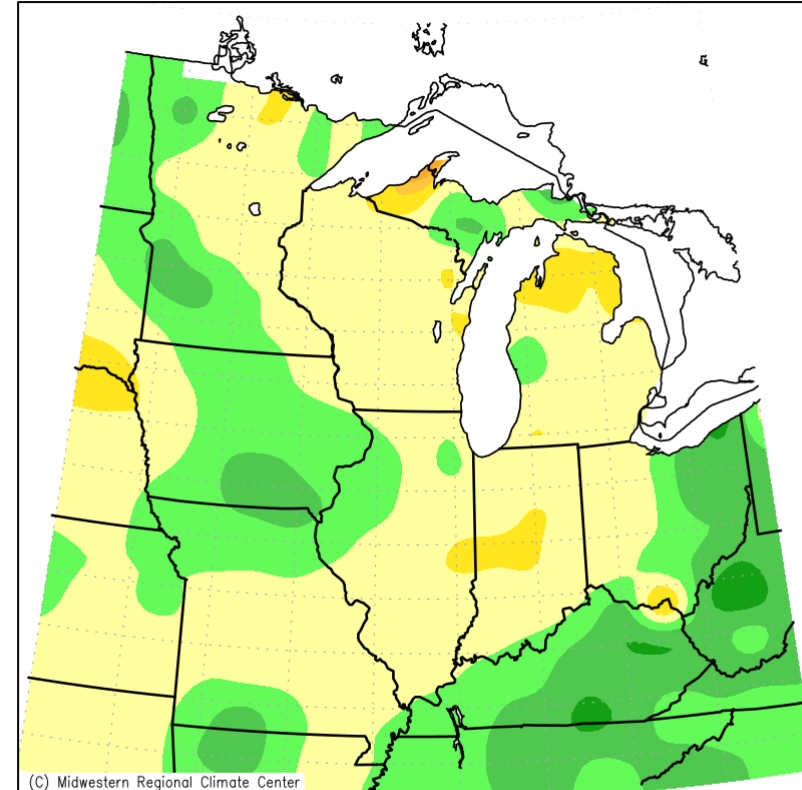
Total Monthly Snowfall (*left*) & Departure from Normal (*right*)

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



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 2/2/2022 1:13:19 PM CST

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



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 2/2/2022 1:13:48 PM CST

January 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	2.1	6.6	8	DEXTER 0.3 ENE	2.5	6.5	3	NEW BALTIMORE 0.4 SSE	4.7	9.4	8
ALGONAC WWTP	4.0	6.5	3	DURAND 6.2 WNW	4.5	11.7	8	OIL CITY 2S	1.7	4.9	8
ANN ARBOR 2.1 WNW	2.5	7.6	9	DURAND WWTP	2.0	6.5	5	ORTONVILLE 2.3 S	3.8	9.1	6
ANN ARBOR SE	2.6	9.8	12	FARMINGTON	3.3	7.4	4	OTTAWA LAKE 1.4 SSW	2.5	6.7	5
ANN ARBOR U OF MICH	2.3	10.4	14	FENTON 6.2 WSW	4.0	8.9	8	OWOSSO WWTP	3.5	11.2	8
AUBURN 2NE	2.0	8.8	9	FLINT 7W	4.1	12.8	9	PLEASANT RDG 0.5 WNW	3.3	6.3	5
BAD AXE	2.5	9.1	12	FLINT FCWOS	4.3	13.9	10	PLYMOUTH 5.4 W	2.6	4.8	5
BAD AXE 6.3 SSW	3.0	10.0	9	FRASER 1.2 N	2.5	5.1	4	PONTIAC WWTP	4.0	8.5	5
BAY PORT 3.2 SSW	2.9	8.5	8	GOODRICH	3.2	8.4	9	PORT HURON 1.6 W	2.9	9.7	9
BLOOMFIELD TWP 3.1 SW	4.0	10.0	6	GROSSE POINTE FARMS	2.9	6.4	4	PORT HURON 2.8 WSW	5.2	14.7	6
BURTON 4N	4.6	13.1	9	HARBOR BEACH 1 SSE	2.2	9.0	11	RICHMOND 4 NNW	4.2	9.8	5
CANTON 2.7 N	2.1	6.2	5	HIGHLAND 1.3 NE	4.2	10.4	6	ROSEVILLE	4.2	7.7	3
CARO WWTP	2.3	9.8	8	LAPEER 2W	2.8	10.2	11	SAGINAW 8NW	2.6	7.2	8
CASS CITY 1 SSW	2.0	9.4	8	LAPEER WWTP	4.0	10.3	6	SAGINAW #3	1.5	6.5	8
CHELSEA	3.0	8.5	7	LEXINGTON WATER PLANT	2.0	6.2	8	SAGINAW MBS INTL AP	3.7	9.8	11
CHELSEA 3.7 NNE	3.0	8.9	5	LINDEN WWTP	3.0	7.0	4	SALINE 3.8 SSW	1.7	4.2	3
CHESANING	3.0	9.9	6	LIVONIA 2.0 NE	2.0	4.7	4	SHELBY 0.4 SSE	4.0	7.7	5
CLINTON 0.5 NE	2.1	6.1	6	LIVONIA 2.3 NNW	2.4	7.0	6	TIPTON 2WNW	2.5	6.6	5
DAVISON 3.4 NNW	3.2	9.3	8	MANCHESTER	2.5	7.4	8	WATERFORD 2.1 NW	3.8	8.7	6
DAVISON 5.2 N	3.6	9.8	6	MIDLAND 1.5 NNE	1.7	9.6	9	WHITE LAKE 0.5 E	4.2	8.9	5
DEARBORN	2.1	6.3	4	MILLINGTON 3 SE	3.2	10.2	8	WHITE LAKE 4E	4.4	11.6	11
DEARBORN NO. 2	2.8	8.7	4	MONROE 3.0 S	1.9	6.2	4	WHITMORE LAKE 1NW	3.4	8.1	5
DETROIT METRO AIRPORT	3.0	8.8	9	MORENCI	2.1	5.2	5	WYANDOTTE	2.7	9.4	9

January – Top 20 Snowiest/Least Snowy on Record

Weather Forecast Office
Detroit, MI



Top 20 Snowiest/Snowless Januaries 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	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.

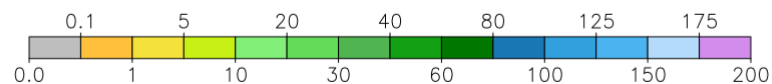
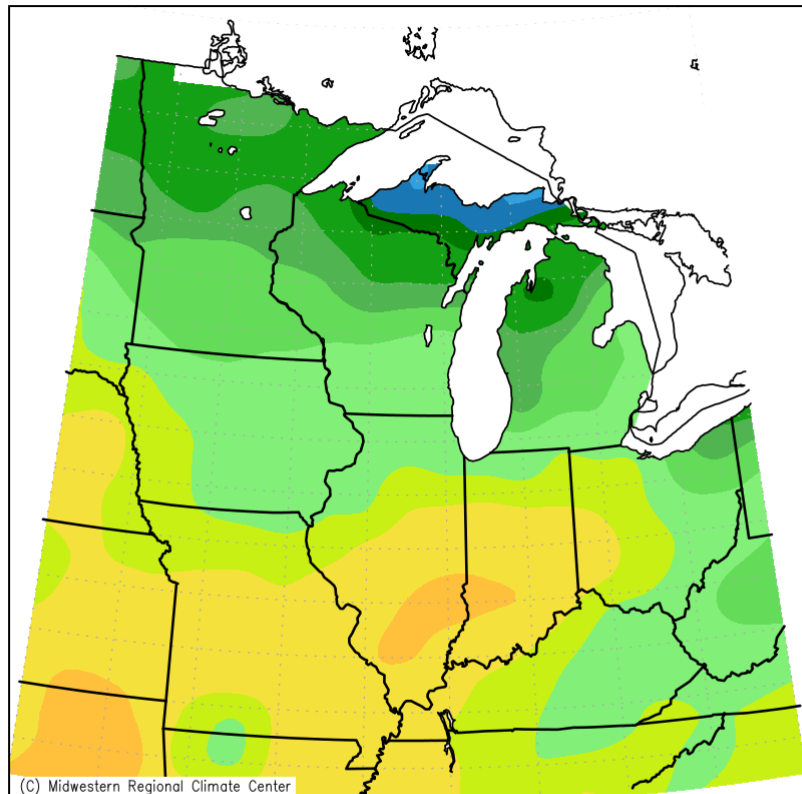
** Flint Bishop snowfall records date back to January 1921.

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

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

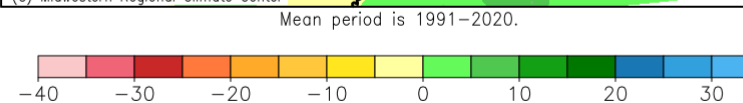
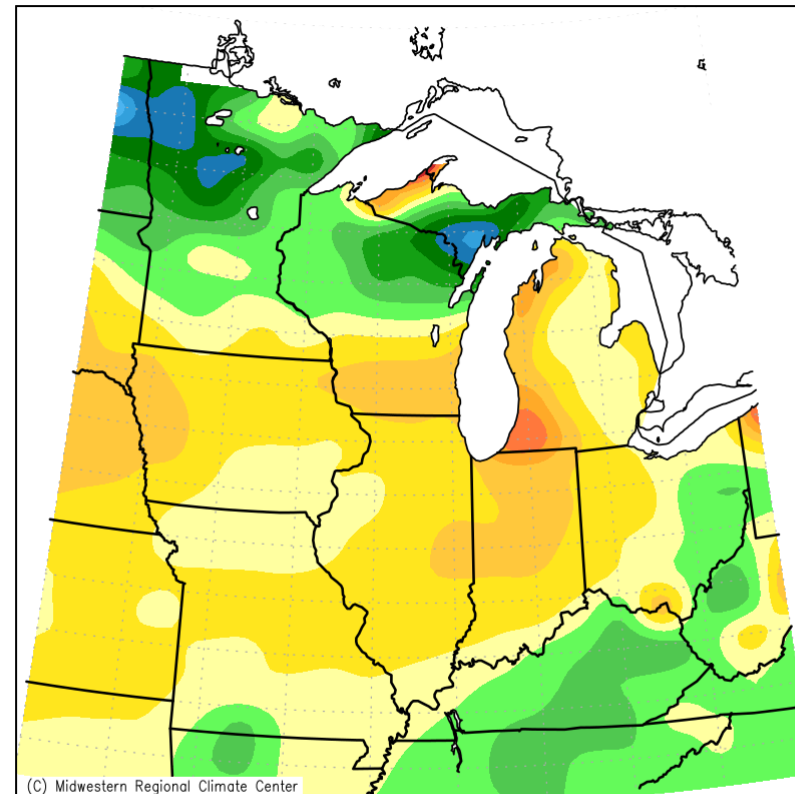
Total Snowfall (left) & Departure from Normal (right)

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



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 2/2/2022 1:18:45 PM CST

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



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 2/2/2022 1:19:39 PM CST

January 2022 – Significant Weather Events

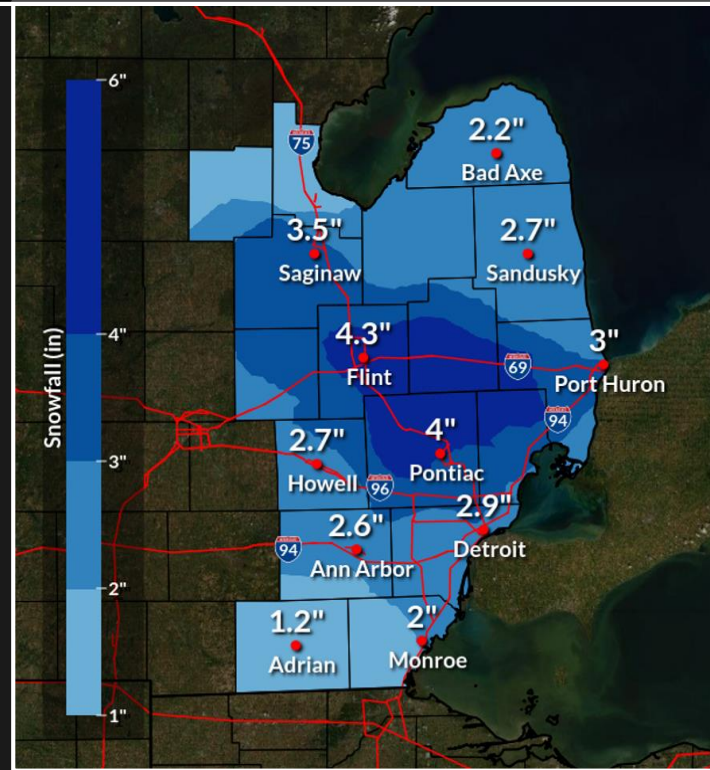
Weather Forecast Office
Detroit, MI



Follow links for web summaries

January 24 Snowfall

weather.gov/dtx/Winter-Weather-Advisory-January-24-2022





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

- Detroit Area
- Flint Area
- Saginaw Area
- Adrian 2 Nne, MI
- Ann Arbor Univ O, MI
- Bad Axe, MI
- Caro Wwtp, MI
- Chelsea, MI
- Detroit City Ap, MI
- Detroit Metropol, MI

Product

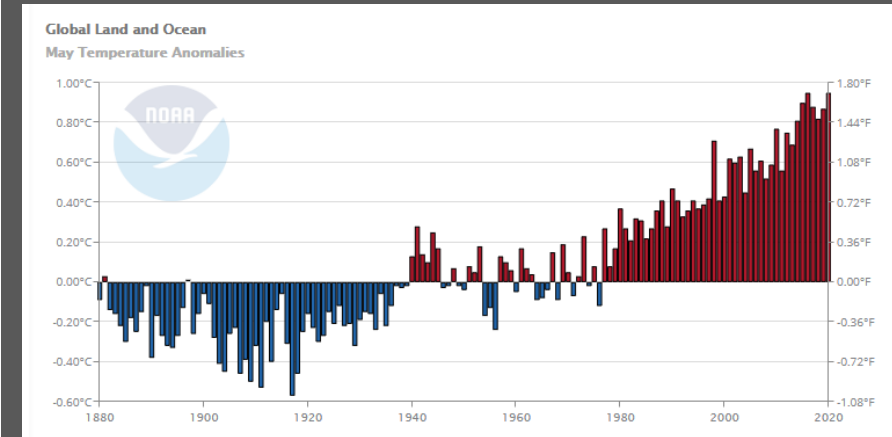
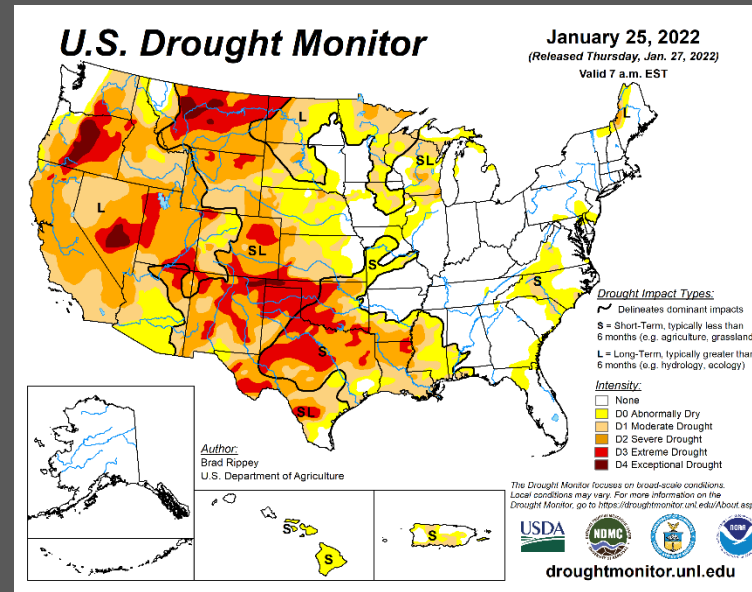
- Daily data for a month
- Daily almanac
- Monthly summarized data
- Calendar day summaries
- Daily/monthly normals
- Climatology for a day
- First/last dates
- Temperature graphs
- Accumulation graphs

Date: 2021-08

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!