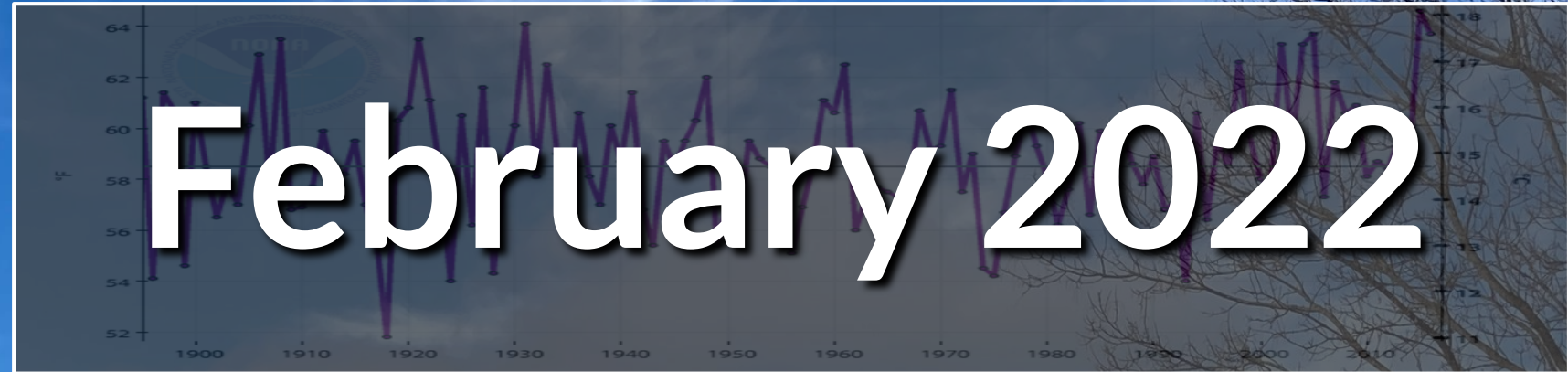


Southeast Michigan Climate Summary

Monthly Temperature, Precipitation, Snowfall, and Severe Weather Summaries

Weather Forecast Office
Detroit, MI



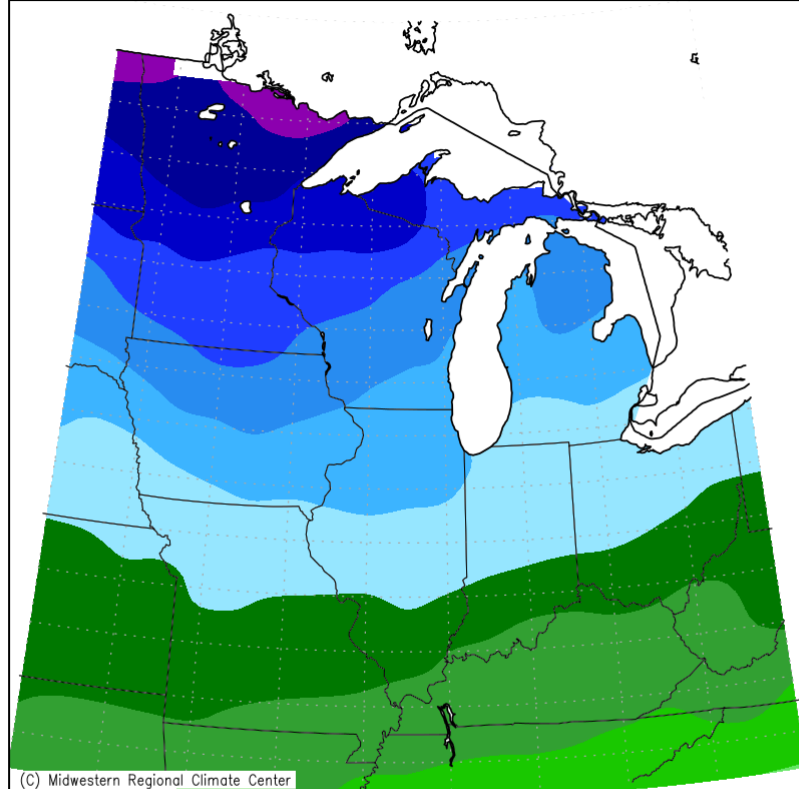
February 2022 – Regional Temperature Summary

Weather Forecast Office
Detroit, MI



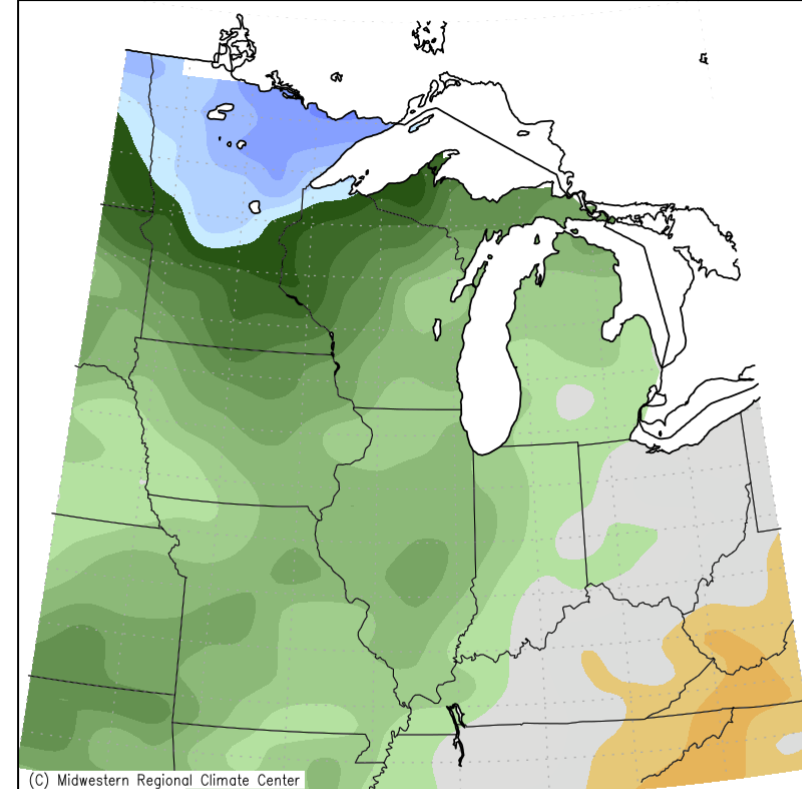
Average Temperature (left) & Departure from Average (right)

Average Temperature (°F)
February 1, 2022 to February 28, 2022

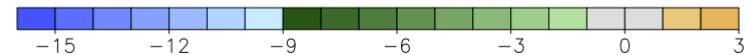


Midwestern Regional Climate Center
Purdue University

Average Temperature (°F): Departure from Mean
February 1, 2022 to February 28, 2022



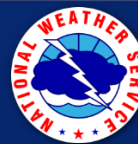
Mean period is 1991–2020.



Midwestern Regional Climate Center
Purdue University

February 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	53	2	34.4	16.6	25.5	GROSSE POINTE FARMS	48	5	32.5	17.8	25.0
ADRIAN LENAWEE COUNTY AP	51	2	32.8	17.0	24.9	HARBOR BEACH 1 SSE	48	0	30.8	15.1	23.0
ALGONAC WWTP	50	1	34.7	16.2	25.4	LAPEER 2W	51	-6	33.5	16.1	24.8
ANN ARBOR MUNICIPAL AP	52	0	33.5	16.0	24.8	LAPEER WWTP	51	-3	33.6	14.3	23.9
ANN ARBOR SE	52	0	33.3	15.7	24.5	LEXINGTON WATER PLANT	51	3	32.0	16.5	24.2
ANN ARBOR U OF MICH	52	-2	35.3	16.5	25.9	MANCHESTER	54	2	34.7	16.4	25.6
AUBURN 2NE	49	-5	31.3	14.1	22.7	MIDLAND	46	1	28.9	13.8	21.3
BAD AXE	49	-3	28.7	14.0	21.3	MORENCI	52	4	34.2	16.3	25.3
BURTON 4N	51	-7	32.8	13.8	23.3	OIL CITY 2S	49	-5	30.2	12.5	21.0
CARO WWTP	51	-7	30.7	13.4	22.1	OWOSSO WWTP	49	-13	28.8	8.7	19.0
CASS CITY 1 SSW	51	-10	31.1	12.9	22.0	PONTIAC INTL AP	51	0	33.0	16.4	24.7
CHELSEA	54	-1	33.8	16.5	25.1	PONTIAC WWTP	52	3	32.6	16.8	24.7
DEARBORN	54	-1	33.5	17.1	25.1	PORT AUSTIN WWTP	46	1	29.2	15.4	22.3
DEARBORN NO. 2	54	2	34.9	18.6	26.7	PORT HOPE	49	2	31.0	17.4	24.2
DETROIT CITY AP	56	1	35.9	20.0	27.9	PORT HURON	49	8	33.4	20.2	26.8
DETROIT METRO AIRPORT	55	2	34.6	18.1	26.4	RICHMOND 4 NNW	49	0	31.1	14.8	23.0
DETROIT WILLOW RUN AP	54	4	36.6	19.5	28.1	SAGINAW #3	49	-1	30.6	14.9	22.7
DUNDEE	54	5	34.6	17.6	26.1	SAGINAW MBS INTL AP	49	0	31.6	16.6	24.1
FARMINGTON	51	-3	32.0	14.8	23.4	SALINE 4SW	53	1	34.6	16.2	25.4
FILION 5NNW	47	-1	30.5	16.9	23.7	TECUMSEH	53	0	34.2	12.4	23.0
FLINT 7W	50	-3	32.0	14.4	23.2	TIPTON 2WNW	52	-3	33.2	13.4	23.3
FLINT FCWOS	50	-6	33.4	15.6	24.5	VASSAR	50	-10	31.4	12.3	21.9
FRANKENMUTH 1SE	49	-8	31.5	14.3	22.9	WHITE LAKE 4E	51	-7	32.4	12.8	22.6
GOODRICH	50	-4	33.0	14.2	23.6	WHITMORE LAKE 1NW	49	-4	32.9	14.3	23.6

February – Top 20 Coldest/Warmest on Record

Weather Forecast Office
Detroit, MI



Top 20 Coldest/Warmest Februaries 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	12.2	1875	39.5	1882	11.3	2015	34.5	1998	11.5	2015	33.6	2017
2	14.1	2015	37.9	2017	12.8	1979	34.4	2017	12.1	1979	33.4	1998
3	14.8	1934	36.7	1998	13.4	1978	31.8	1983	13.0	1914	31.5	1984
4	16.0	1936	33.8	1930	14.9	1963	31.2	1984	13.2	1963	30.7	1932
5	16.1	1904	33.6	1877	16.0	2014	31.1	1930	13.4	1934	30.7	1930
6	16.3	1978	33.5	1954	16.4	1936	31.1	1932	13.6	1978	30.6	1931
7	16.4	1979	33.3	1984	17.1	1934	31.1	1927	13.6	1936	30.5	1999
8	16.5	1901	33.3	1976	17.3	2007	31.0	2012	14.3	1917	30.3	2012
9	17.2	1885	33.0	1932	18.3	1967	31.0	1976	15.5	2014	29.9	1954
10	17.6	1914	32.9	2002	18.4	1994	31.0	1931	16.8	2007	29.2	2016
11	17.9	1905	32.8	1931	18.5	1923	30.9	1999	16.9	1962	29.1	1983
12	17.9	1895	32.7	1999	18.7	1958	30.8	1954	16.9	1994	29.0	1938
13	18.3	1912	32.6	2012	19.9	1942	30.1	1938	16.9	1912	28.9	1976
14	18.8	1963	32.6	1890	20.0	1962	30.0	2002	17.1	1923	28.8	2002
15	19.3	2007	32.1	1953	20.0	1959	29.8	2016	17.4	1916	28.3	2000
16	19.4	2014	32.1	1880	20.1	1988	29.4	1992	17.8	1920	28.2	1921
17	19.5	1917	31.8	2000	20.2	1982	29.3	2000	18.5	2003	28.1	1927
18	19.8	1899	31.8	1927	20.3	1980	29.2	1991	18.6	1967	28.1	1915
19	19.8	1889	31.6	1983	20.3	1929	28.8	1953	18.9	1958	28.0	1991
20	20.7	1982	31.2	2016	20.5	2003	28.7	1987	18.9	1913	28.0	1987

* 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.

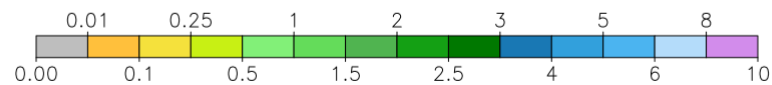
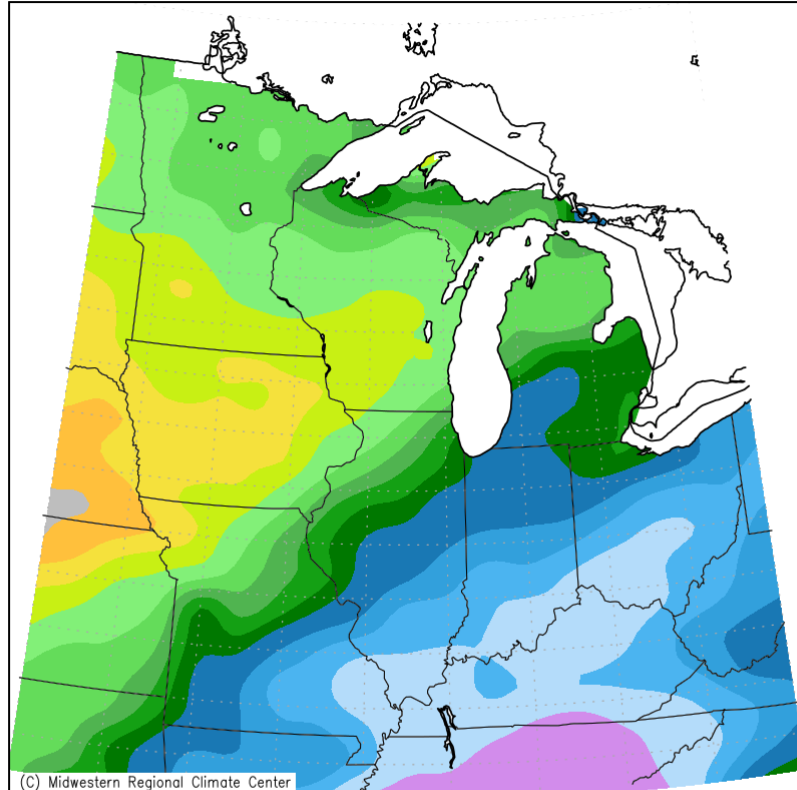
February 2022 – Regional Precipitation Summary

Weather Forecast Office
Detroit, MI



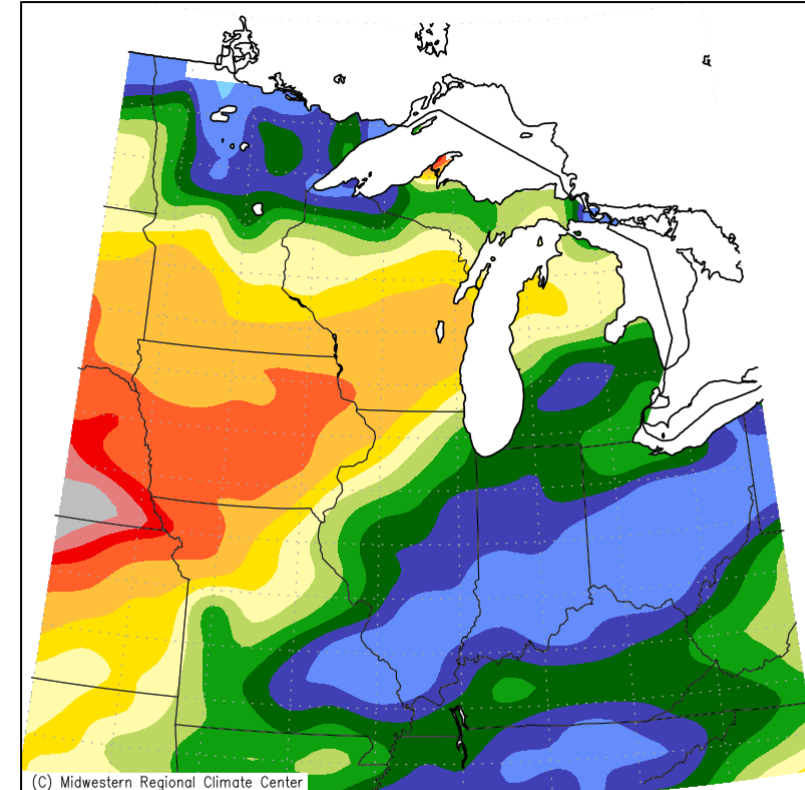
Total Monthly Precipitation (*left*) & Percent of Mean (*right*)

Accumulated Precipitation (in)
February 1, 2022 to February 28, 2022

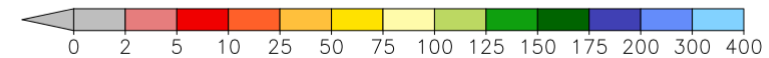


Midwestern Regional Climate Center
Purdue University

Accumulated Precipitation: Percent of Mean
February 1, 2022 to February 28, 2022



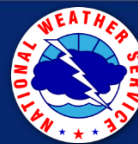
Mean period is 1991–2020.



Midwestern Regional Climate Center
Purdue University

February 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	1.25	2.75	11	DETROIT CITY AP	0.81	1.37	6	MIDLAND 2.9 SW	0.77	2.07	11
ADRIAN LENAWEE CO AP	1.14	2.04	9	DETROIT METRO AIRPORT	1.27	2.61	12	ORTONVILLE 2.3 S	0.91	2.46	12
ALGONAC WWTP	0.70	2.64	10	DEXTER 0.3 ENE	0.63	2.46	14	OTTAWA LAKE 1.4 SSW	0.93	2.44	10
ANN ARBOR 2.1 WNW	0.79	2.69	14	DEXTER 2.2 SE	0.69	2.71	13	OWOSSO WWTP	1.00	3.24	13
ANN ARBOR 7.1 W	0.75	2.82	13	DURAND 6.2 WNW	0.82	3.49	12	PONTIAC INTL AP	0.84	1.58	10
ANN ARBOR MNPL AP	0.96	1.89	10	DURAND WWTP	0.80	2.71	11	PONTIAC WWTP	0.75	2.47	13
ANN ARBOR SE	0.77	3.13	15	FARMINGTON	0.72	2.73	11	PORT HOPE	0.59	2.26	14
ANN ARBOR U OF MICH	1.13	3.19	16	FENTON 2.7 SSE	0.98	3.02	14	PORT HURON	1.64	3.22	8
BAD AXE	0.86	2.28	16	FILION 5NNW	0.59	2.14	17	RICHMOND 4 NNW	0.83	2.37	10
BAY PORT 3.2 SSW	0.67	2.18	10	FLINT 7W	1.02	3.09	11	ROSEVILLE	0.52	1.69	10
BURTON 4N	0.95	3.26	9	FLINT FCWOS	0.77	2.36	10	SAGINAW 8NW	0.95	2.48	9
CANTON 2.7 N	0.67	2.52	14	GOODRICH	0.81	2.19	8	SAGINAW #3	0.94	2.79	11
CARO WWTP	0.98	2.77	12	GROSSE POINTE FARMS	0.70	3.18	11	SAGINAW MBS INTL AP	0.73	2.04	9
CASS CITY 1 SSW	0.96	2.55	12	LAPEER 2W	0.86	2.86	14	SALINE 4SW	0.70	2.37	11
CHELSEA	0.64	2.40	13	LAPEER WWTP	0.82	2.64	10	TIPTON 2WNW	0.79	2.56	12
CHELSEA 3.7 NNE	0.68	2.42	12	LEXINGTON WATER PLANT	1.14	2.75	9	VASSAR	0.95	2.71	7
CHESTERFIELD 2.4 E	0.55	1.98	10	LINDEN WWTP	0.76	1.76	7	WATERFORD 2.1 NW	0.79	2.17	12
CLINTON 0.5 NE	0.72	2.75	11	LIVONIA 2.0 NE	0.59	2.34	11	WHITE LAKE 0.5 E	0.84	2.43	15
DAVISON 3.4 NNW	0.93	2.55	10	MANCHESTER	0.80	2.88	13	WHITE LAKE 4E	1.11	2.47	16
DEARBORN HGTS 1.8 NW	0.62	2.33	12	MIDLAND	0.61	1.80	5	WHITMORE LAKE 1NW	0.89	2.74	12
DEARBORN NO. 2	0.68	2.65	12	MIDLAND 1.5 NNE	0.83	2.13	10	WYANDOTTE	0.72	2.79	13

February – Top 20 Wettest/Driest on Record

Weather Forecast Office
Detroit, MI



Top 20 Wettest/Driest Februaries 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	6.41	1881	0.04	1877	5.28	1954	0.17	1969	6.10	1997	0.21	1969
2	5.59	1876	0.15	1969	5.13	1938	0.25	1934	4.33	1938	0.24	1947
3	5.02	1990	0.22	1895	4.02	2018	0.27	1963	4.09	1990	0.32	1964
4	4.95	1938	0.38	1947	3.52	2001	0.29	2007	3.55	1950	0.34	1963
5	4.95	1908	0.45	1978	3.52	1950	0.34	1979	3.13	2008	0.39	1984
6	4.85	1950	0.47	1934	3.12	1997	0.37	1958	3.06	1935	0.41	1979
7	4.70	1939	0.52	1964	3.01	1985	0.42	1987	3.03	2009	0.42	2007
8	4.30	1900	0.53	1987	2.77	1949	0.51	1978	3.02	1965	0.43	2020
9	4.27	2018	0.55	1941	2.59	1990	0.52	1989	2.98	1918	0.44	1942
10	4.26	1909	0.57	1979	2.57	2009	0.52	1984	2.83	1954	0.46	1917
11	4.16	1887	0.61	1907	2.50	1924	0.55	1964	2.79	1998	0.47	1982
12	4.05	1926	0.63	2004	2.45	2005	0.55	1947	2.74	2001	0.47	1934
13	4.05	1893	0.66	2003	2.42	2017	0.56	1970	2.69	2018	0.49	2003
14	3.90	1997	0.67	1958	2.37	2019	0.60	2003	2.69	1939	0.49	1995
15	3.83	1985	0.70	1963	2.36	2022	0.66	2004	2.64	1960	0.51	1987
16	3.61	2008	0.72	1902	2.36	2011	0.66	1982	2.62	1985	0.59	1978
17	3.60	2011	0.76	1889	2.35	2008	0.68	1991	2.61	1930	0.60	1983
18	3.56	1998	0.77	1989	2.32	1971	0.70	1977	2.56	1974	0.72	1920
19	3.56	1918	0.82	2007	2.27	1976	0.71	1941	2.51	1959	0.73	1989
20	3.48	1954	0.82	1953	2.21	2016	0.71	1929	2.39	1915	0.73	1977

* 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.

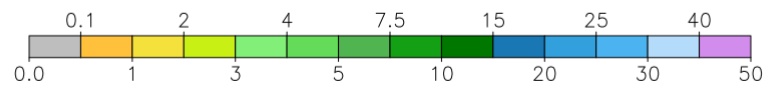
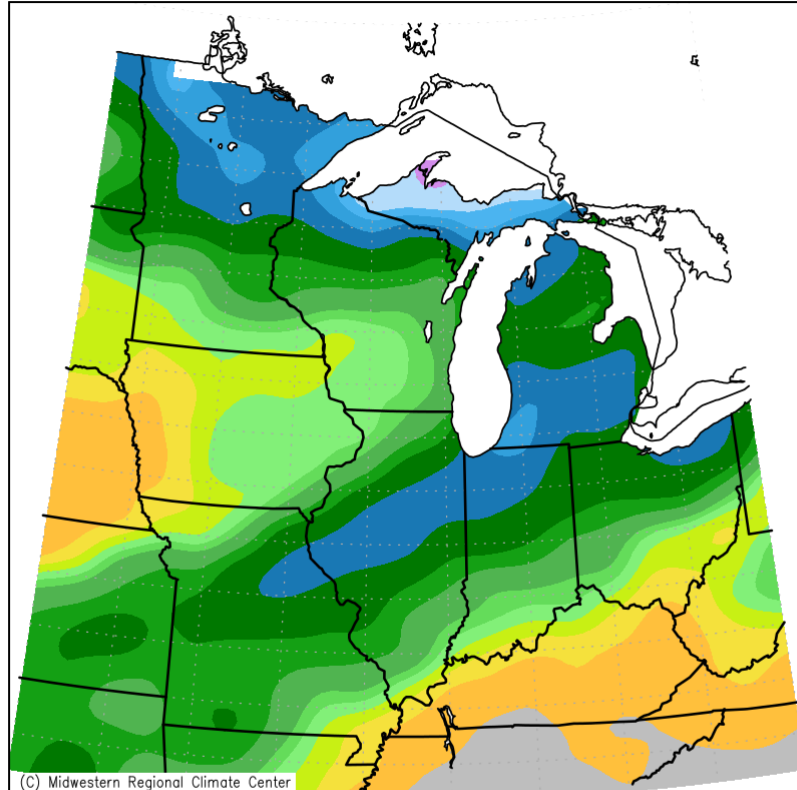
February 2022 – Regional Snowfall Summary

Weather Forecast Office
Detroit, MI



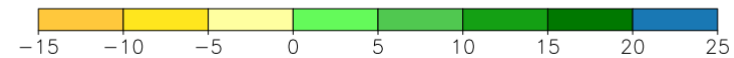
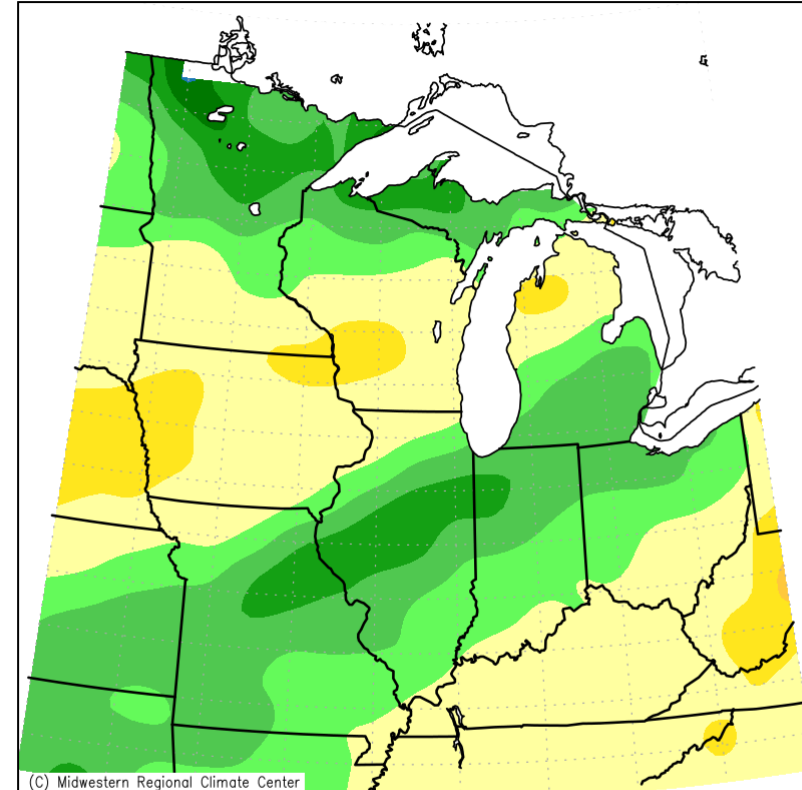
Total Monthly Snowfall (*left*) & Departure from Normal (*right*)

Accumulated Snowfall (in)
February 1, 2022 to February 28, 2022



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 3/2/2022 2:10:02 PM CST

Accumulated Snowfall (in): Departure from Mean
February 1, 2022 to February 28, 2022



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 3/2/2022 2:10:45 PM CST

February 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	6.0	12.8	7	DURAND 6.2 WNW	7.5	21.0	9	NEW BALTIMORE 0.4 SSE	6.0	14.5	4
ALGONAC WWTP	4.2	10.4	4	DURAND WWTP	5.5	16.1	7	OIL CITY 2S	3.9	10.0	9
ANN ARBOR 2.1 WNW	5.5	13.1	10	FARMINGTON	5.0	14.9	7	ORTONVILLE 2.3 S	6.1	17.4	10
ANN ARBOR 7.1 W	6.5	15.3	10	FENTON 6.2 WSW	6.5	14.5	9	OTTAWA LAKE 1.4 SSW	5.6	14.4	5
ANN ARBOR SE	6.0	18.4	15	FILION 5NNW	3.8	11.0	14	OWOSSO WWTP	9.0	17.3	9
ANN ARBOR U OF MICH	4.2	19.2	16	FLINT 7W	11.0	25.4	11	PLEASANT RIDGE 0.5 WNW	4.0	10.2	7
AUBURN 2NE	3.8	11.4	11	FLINT FCWOS	11.0	22.5	11	PLYMOUTH 5.4 W	5.6	14.2	8
BAD AXE	4.9	11.7	15	FRANKENMUTH 1SE	6.8	15.6	5	PONTIAC WWTP	5.0	14.2	10
BAY PORT 3.2 SSW	3.6	11.8	9	FRASER 1.2 N	4.0	8.9	5	PORT AUSTIN WWTP	4.0	14.0	8
BURTON 4N	9.1	18.3	7	GOODRICH	6.2	14.1	9	RICHMOND 4 NNW	6.1	16.2	5
CANTON 2.7 N	4.1	9.4	8	GROSSE POINTE FARMS	4.0	11.2	7	ROSEVILLE	6.8	14.1	5
CARO WWTP	7.4	14.2	11	HARBOR BEACH 1 SSE	6.7	15.5	9	SAGINAW #3	4.0	11.7	10
CASS CITY 1 SSW	8.4	12.7	7	HIGHLAND 1.3 NE	6.5	18.5	10	SAGINAW MBS INTL AP	4.5	10.3	7
CHELSEA	7.0	17.3	11	LAPEER 2W	7.3	18.1	11	SALINE 3.8 SSW	6.0	12.1	6
CHELSEA 3.7 NNE	5.0	14.4	9	LAPEER WWTP	6.0	15.5	7	SALINE 4SW	6.4	14.9	7
CHESANING	8.0	12.4	6	LEXINGTON WATER PLANT	4.0	10.6	6	TECUMSEH	5.5	14.0	6
CLINTON 0.5 NE	5.4	12.3	7	LINDEN WWTP	8.0	17.2	5	TIPTON 2WNW	5.5	16.5	9
DAVISON 3.4 NNW	9.5	17.3	11	LIVONIA 2.0 NE	3.5	11.0	5	VASSAR	8.0	13.6	6
DAVISON 5.2 N	7.1	15.6	6	MANCHESTER	5.5	14.7	11	WATERFORD 2.1 NW	6.0	16.4	10
DEARBORN	4.4	10.8	5	MIDLAND	3.0	9.0	4	WHITE LAKE 0.5 E	6.0	15.2	9
DETROIT METRO AIRPORT	6.3	20.4	11	MIDLAND 1.5 NNE	4.2	12.0	10	WHITE LAKE 4E	6.8	19.0	14
DEXTER 0.3 ENE	5.0	12.9	6	MORENCI	6.2	12.2	5	WHITMORE LAKE 1NW	9.0	18.5	8
DUNDEE	4.0	10.2	6					WYANDOTTE	6.8	20.2	9

February – Top 20 Snowiest/Least Snowy on Record

Weather Forecast Office
Detroit, MI



Top 20 Snowiest/Snowless Februaries 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	38.4	1908	0.0	1998	31.7	2011	0.4	1998	34.2	2008	0.0	1987
2	31.7	2011	0.7	1953	29.7	2021	1.4	1992	29.4	2011	0.1	1984
3	28.4	1881	0.9	2004	29.4	2008	1.9	2017	23.4	1935	0.5	1998
4	28.0	1900	1.5	1895	22.7	2016	2.2	1987	22.2	2013	1.4	1983
5	27.6	1926	1.6	1906	22.5	2022	2.4	1953	20.3	1965	1.9	2017
6	27.0	2010	2.0	1987	21.8	2018	2.4	1937	20.0	1912	1.9	1977
7	26.4	2015	2.1	1882	21.8	2014	2.9	1969	19.8	1985	2.0	1932
8	24.2	2008	2.2	2017	21.2	2010	2.9	1943	18.6	1926	2.1	1980
9	23.5	2013	2.2	1915	20.8	1990	3.0	1979	18.4	1990	2.2	1947
10	23.4	2014	2.3	1969	20.6	1986	3.0	1934	18.3	2010	2.4	1942
11	21.8	2021	2.4	1992	20.1	1994	3.5	1945	18.1	2021	2.5	1969
12	21.0	2018	2.4	1937	19.7	1965	3.6	1984	18.0	2016	2.6	1928
13	20.8	1986	2.5	1966	19.6	1988	3.6	1938	18.0	2005	3.1	1995
14	20.4	2022	2.6	1891	18.8	2020	3.8	1977	17.7	1924	3.2	1919
15	19.6	1898	2.7	1943	18.3	1946	4.1	1928	17.5	1950	3.4	1958
16	19.2	2003	2.8	1968	17.4	2015	4.5	1957	17.1	1956	3.5	1963
17	19.2	1988	2.8	1925	17.2	1960	4.8	1983	17.0	2014	3.7	1957
18	18.0	1893	2.9	2001	17.0	1924	4.9	1932	17.0	2012	3.7	1917
19	17.1	1994	3.1	1949	16.7	1973	5.0	2001	16.2	1962	3.8	1913
20	16.9	1985	3.1	1919	16.6	2013	5.1	1921	16.2	2015	4.0	1964

* Detroit Area snowfall records date back to January 1880.

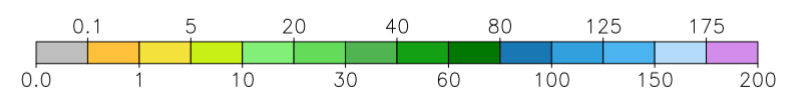
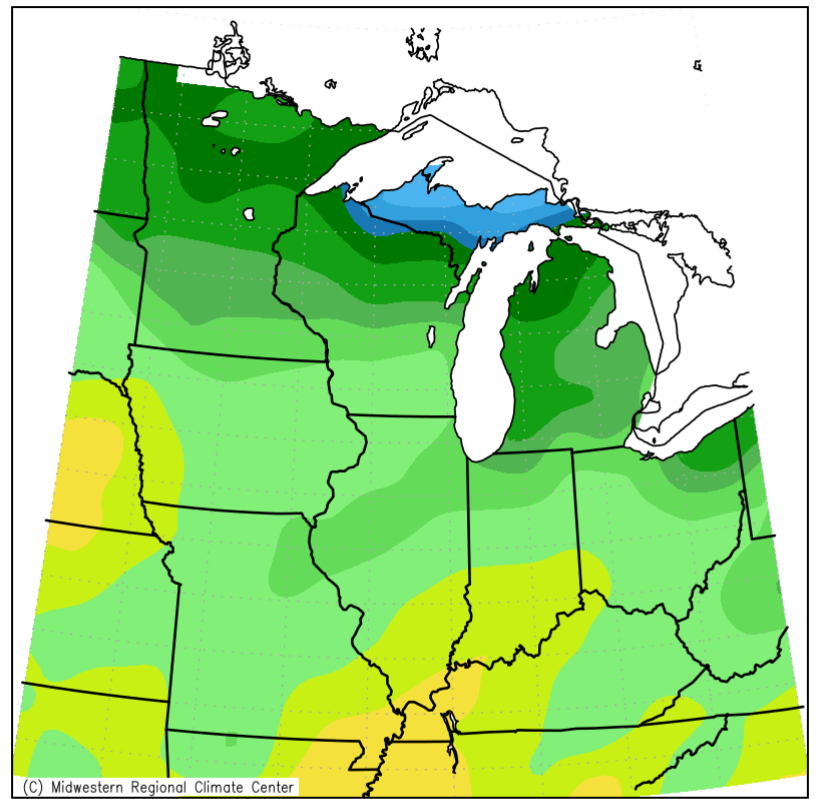
** Flint Bishop snowfall records date back to January 1921.

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

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

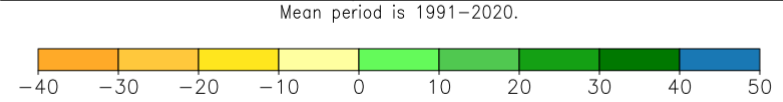
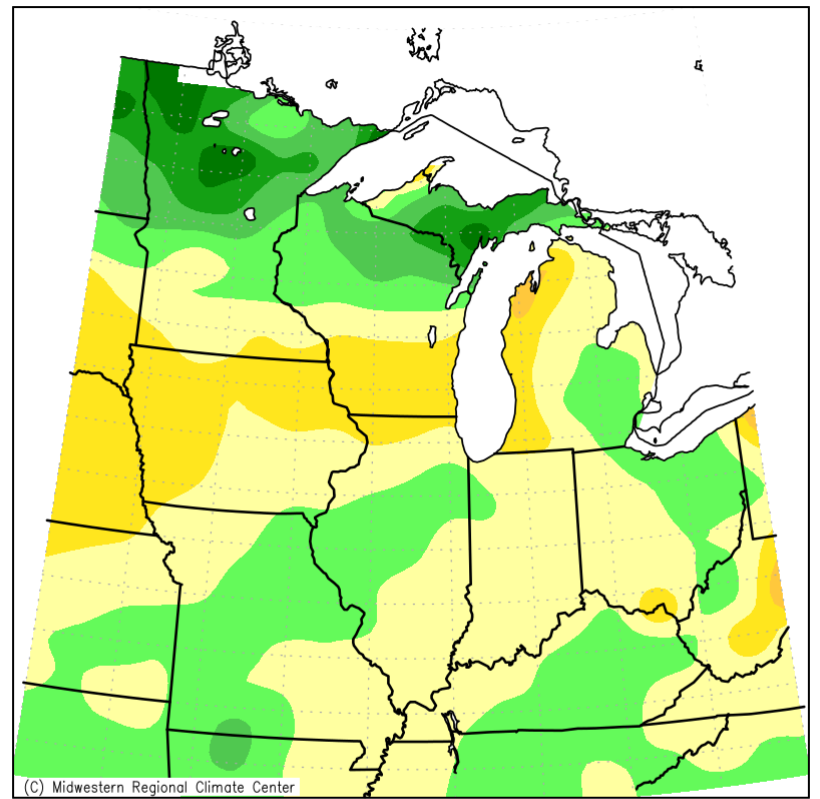
Total Snowfall (left) & Departure from Normal (right)

Accumulated Snowfall (in)
October 1, 2021 to February 28, 2022



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 3/2/2022 2:11:32 PM CST

Accumulated Snowfall (in): Departure from Mean
October 1, 2021 to February 28, 2022



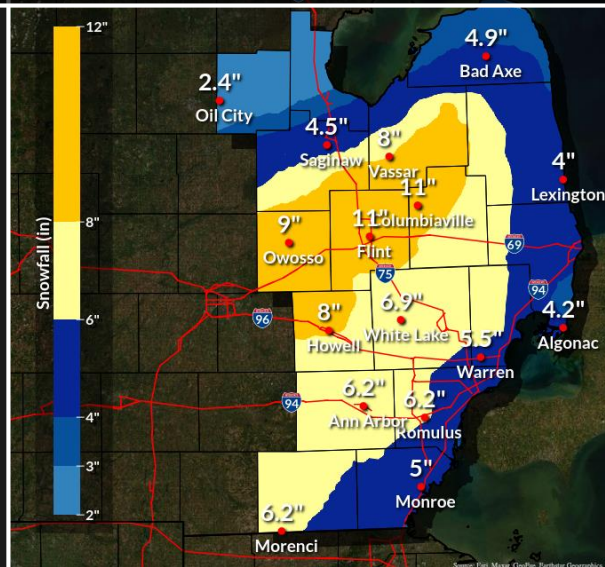
Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 3/2/2022 2:12:15 PM CST

February 2022 – Significant Weather Events



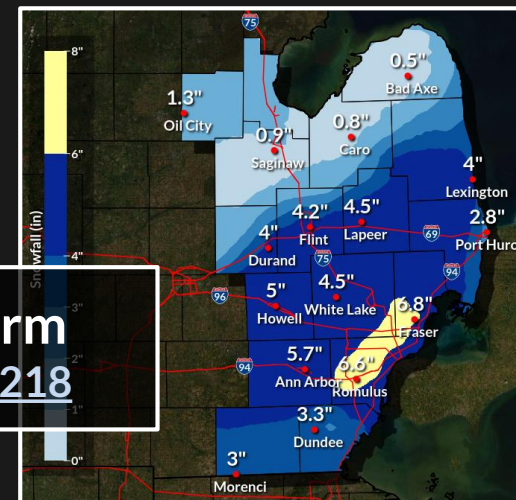
Follow links for web summaries

February 2 Winter Storm weather.gov/dtx/winterstormfeb2nd2022



February 13 Winter Weather weather.gov/dtx/Winter-Weather-Advisory-February-13-2022

February 17-18 Winter Storm weather.gov/dtx/winterstorm220218





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

Daily data for a month Date: 2021-08 Go

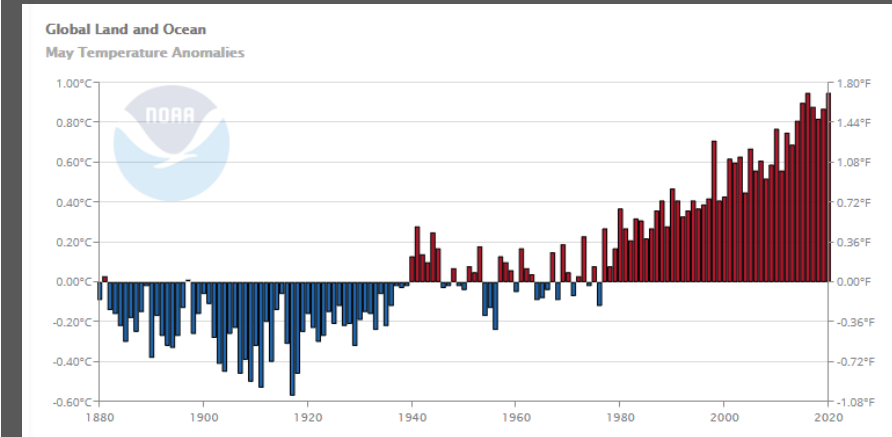
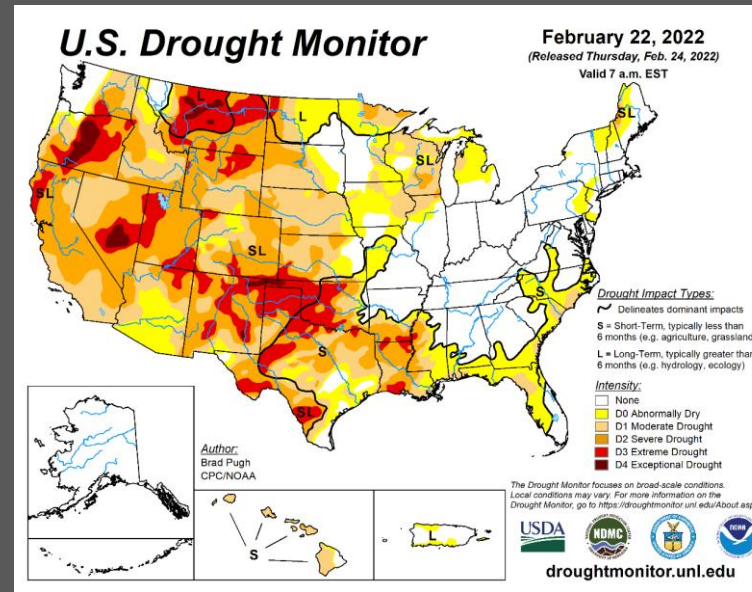
- Daily almanac
- Monthly summarized data
- Calendar day summaries
- Daily/monthly normals
- Climatology for a day
- First/last dates
- Temperature graphs
- Accumulation graphs

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.

Common questions - Submit a question/comment -

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!