

Southeast Michigan Climate Summary

Monthly Temperature, Precipitation, Snowfall, and Severe Weather Summaries

Weather Forecast Office
Detroit, MI



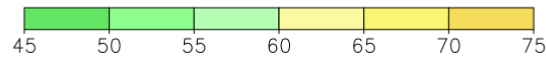
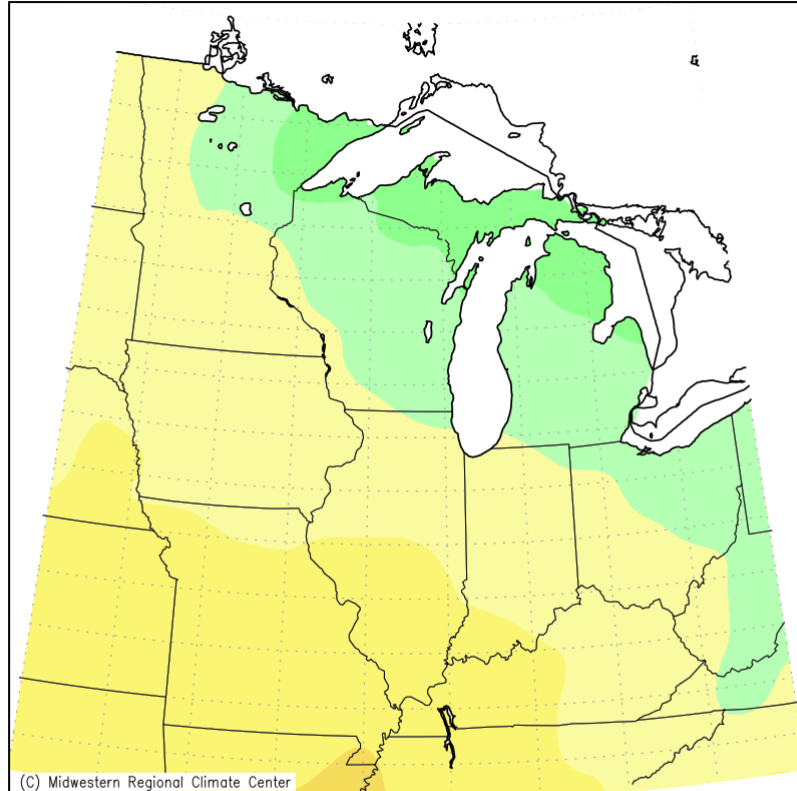
May 2023 – Regional Temperature Summary

Weather Forecast Office
Detroit, MI



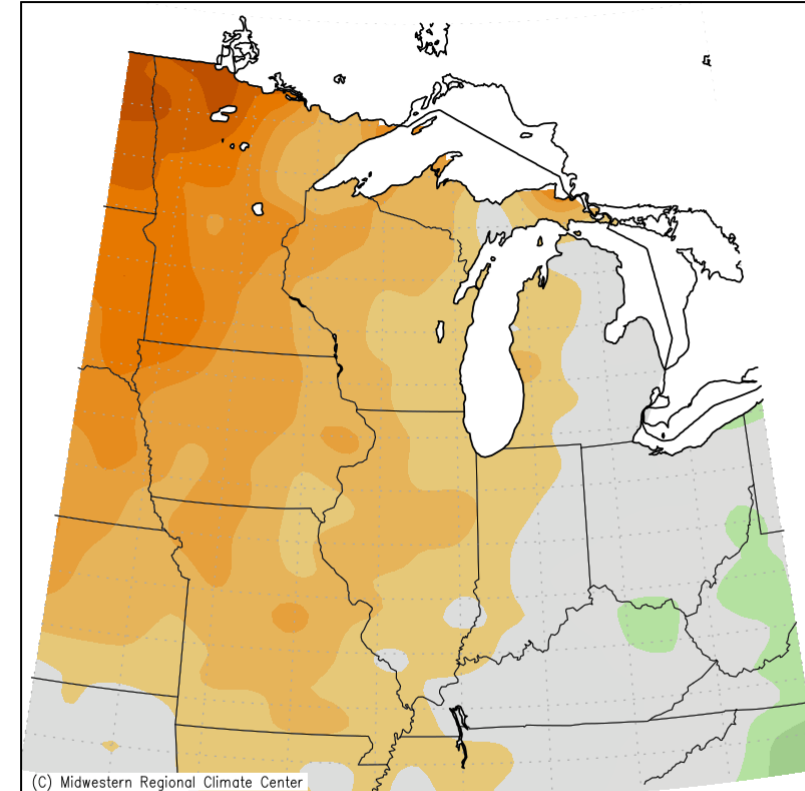
Average Temperature (left) & Departure from Average (right)

Average Temperature (°F)
May 1, 2023 to May 31, 2023



Midwestern Regional Climate Center
Purdue University


Average Temperature (°F): Departure from Mean
May 1, 2023 to May 31, 2023



Mean period is 1991–2020.



Midwestern Regional Climate Center
Purdue University

May 2023 – 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	89	33	72.1	44.2	58.1	GROSSE POINTE FARMS	85	36	67.0	47.6	57.3
ADRIAN LENAWEE COUNTY AP	90	35	72.5	47.0	59.8	HARBOR BEACH 1 SSE	75	30	58.5	42.4	50.4
ALGONAC WWTP	91	29	71.0	41.8	56.4	LAPEER 2W	91	30	69.8	42.5	56.2
ANN ARBOR SE	89	32	71.3	42.0	56.6	LAPEER WWTP	90	31	70.0	42.3	56.3
ANN ARBOR U OF MICH	88	29	73.2	41.4	57.3	LEXINGTON WATER PLANT	78	29	61.3	42.5	51.9
BAD AXE	87	30	66.1	42.4	54.2	MANCHESTER	90	35	71.7	43.5	57.6
BURTON 4N	89	31	70.2	39.5	54.8	MIDLAND	86	31	66.3	42.4	54.4
CARO WWTP	91	31	69.5	40.8	55.1	MORENCI	90	33	71.2	43.4	57.3
CASS CITY 1 SSW	88	30	67.9	39.9	53.9	OWOSSO WWTP	91	34	69.5	41.9	55.7
CHELSEA	91	32	70.8	43.2	57.0	PONTIAC INTL AP	88	31	70.5	44.4	57.4
DEARBORN	87	34	71.0	46.0	58.4	PORT AUSTIN WWTP	79	29	61.6	41.9	51.8
DETROIT CITY AP	89	38	72.6	49.9	61.3	PORT HOPE	85	32	60.3	43.6	51.9
DETROIT METRO AIRPORT	86	37	71.7	47.6	59.7	PORT HURON	86	34	66.5	47.3	56.9
DETROIT WILLOW RUN AP	88	34	72.4	44.6	58.5	RICHMOND 4 NNW	86	29	68.6	43.4	56.0
DUNDEE	88	36	71.5	44.9	58.2	SAGINAW #3	93	35	69.7	44.1	57.1
FARMINGTON	88	32	70.1	43.6	56.9	SAGINAW MBS INTL AP	90	35	69.8	45.0	57.4
FILION 5NNW	81	34	65.0	44.2	54.6	SALINE 4SW	92	33	72.6	44.3	58.4
FLINT 7W	88	33	69.4	42.1	55.8	TECUMSEH	88	36	70.7	43.9	57.3
FLINT FCWOS	89	32	71.4	42.8	57.1	WHITE LAKE 4E	89	29	71.4	41.5	56.5
GOODRICH	89	33	68.8	43.3	56.1	WHITMORE LAKE 1NW	87	33	70.4	42.9	56.7



Top 20 Coldest/Warmest Mays 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	51.1	1907	66.5	1991	48.7	1997	65.0	1982	49.8	1924	64.6	1977
2	51.3	1917	66.2	2018	50.0	1966	65.0	1936	49.9	1945	64.0	1998
3	51.8	1967	65.5	1998	50.6	1967	64.7	1934	50.0	1917	63.7	2018
4	51.9	1966	65.3	2012	50.6	1945	64.4	1922	50.2	1997	63.4	1975
5	52.0	1997	65.3	1896	51.5	1984	64.2	1991	51.3	1947	63.2	1991
6	52.1	1924	65.2	1962	51.9	1947	63.4	2018	51.6	1967	62.8	1936
7	52.5	1945	64.7	1911	52.5	1961	62.9	2015	51.6	1915	62.7	1934
8	52.6	1935	64.5	2015	52.6	1973	62.9	2012	51.8	1925	62.5	1982
9	52.7	1882	64.4	1977	52.7	1954	62.9	1998	51.9	2002	62.5	1922
10	53.1	1915	64.3	1881	52.9	1968	62.7	1987	51.9	1983	62.2	2012
11	53.8	1947	64.2	2022	52.9	1924	62.6	1977	51.9	1954	61.6	2015
12	53.9	1910	64.2	1982	53.1	2002	61.9	2013	52.1	1966	61.5	2013
13	54.2	1883	63.7	1964	53.4	2005	61.9	1939	52.5	1946	61.5	1962
14	54.3	1888	63.7	1880	53.5	1983	61.8	1975	52.7	1935	61.3	2010
15	54.4	1983	63.6	2013	53.8	1974	61.6	1965	52.8	1948	61.2	2022
16	54.5	1984	63.3	1987	53.8	1948	61.5	1962	53.0	1974	61.1	1964
17	54.5	2002	63.3	1944	54.0	1957	61.4	2022	53.1	1956	61.1	1959
18	54.5	1890	63.1	1965	54.1	1963	61.4	1944	53.4	1957	61.0	1985
19	54.7	1954	63.0	1887	54.1	1935	61.1	1933	53.4	1923	60.7	1965
20	54.7	1925	62.8	1975	54.1	1925	61.1	1921	53.6	2003	60.5	1988

* 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.

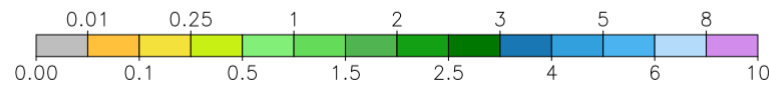
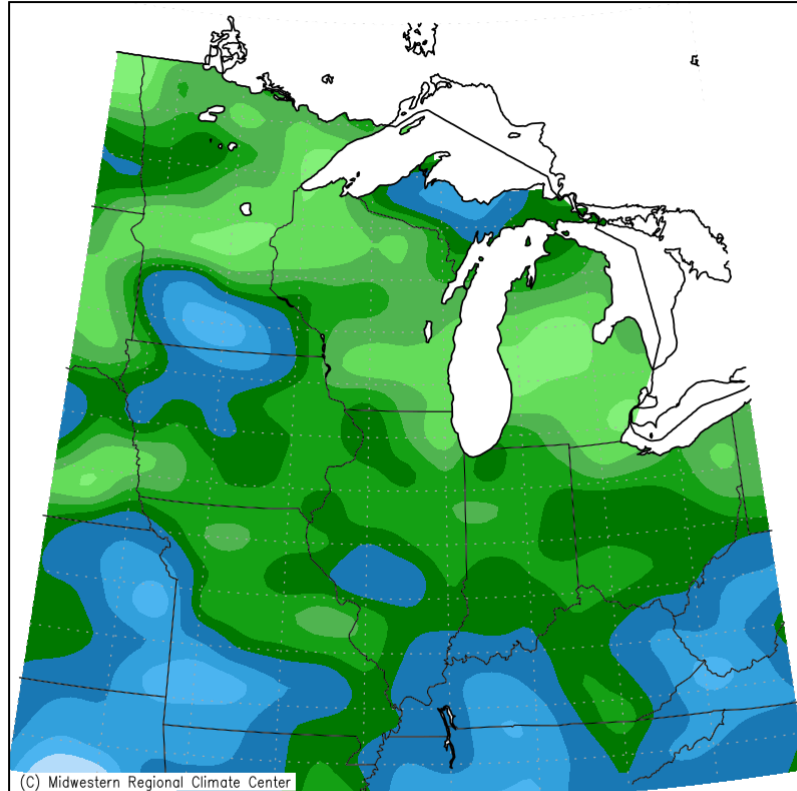
May 2023 – Regional Precipitation Summary

Weather Forecast Office
Detroit, MI



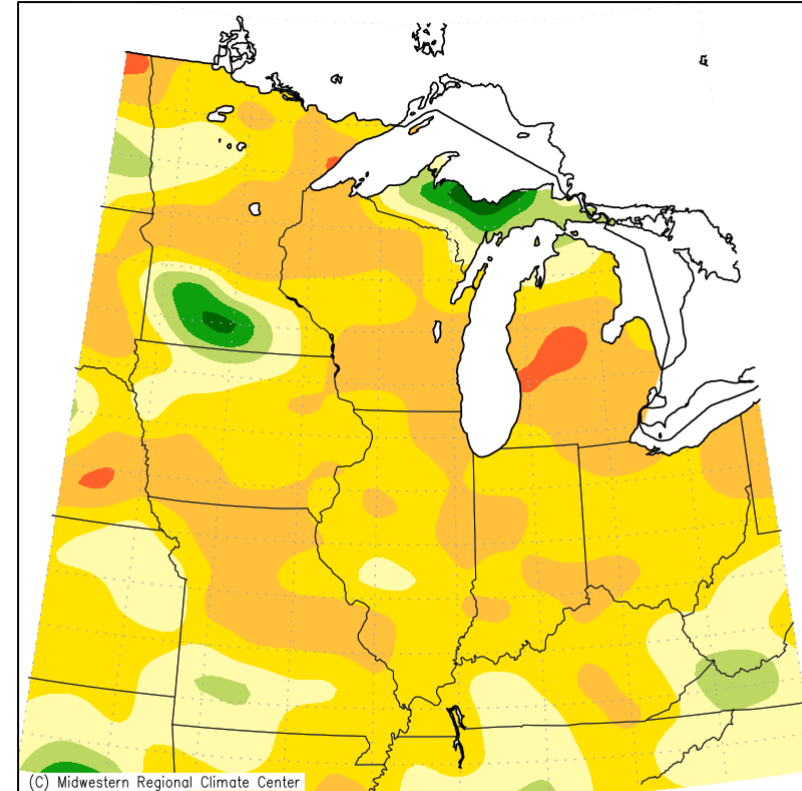
Total Monthly Precipitation (*left*) & Percent of Mean (*right*)

Accumulated Precipitation (in)
May 1, 2023 to May 31, 2023



Midwestern Regional Climate Center
Purdue University

Accumulated Precipitation: Percent of Mean
May 1, 2023 to May 31, 2023



Mean period is 1991–2020.



Midwestern Regional Climate Center
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May 2023 – 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
ADRIAN 2 NNE	0.51	1.15	6	GROSSE POINTE FARMS	0.48	1.05	6
ALGONAC WWTP	0.57	1.24	7	HARBOR BEACH 1 SSE	0.86	2.17	7
ANN ARBOR SE	0.56	1.11	8	LAPEER 2W	0.51	1.23	6
ANN ARBOR U OF MICH	0.43	1.20	8	LAPEER WWTP	0.57	1.48	7
BAD AXE	0.75	2.06	8	LEXINGTON WATER PLANT	0.53	1.38	6
BURTON 4N	0.42	1.25	8	MANCHESTER	0.43	1.08	7
CARO WWTP	0.49	1.07	6	MIDLAND	0.17	0.43	3
CASS CITY 1 SSW	0.50	1.70	9	OWOSSO WWTP	0.34	0.98	8
CHELSEA	0.44	1.08	7	PORT HURON	0.73	1.16	6
CHESANING	0.38	1.13	5	RICHMOND 4 NNW	0.60	1.31	6
DEARBORN	0.51	1.11	7	SAGINAW 8NW	0.28	0.81	6
DETROIT METRO AIRPORT	0.58	0.92	7	SAGINAW #3	0.24	0.96	8
DUNDEE	0.59	1.02	8	SAGINAW MBS INTL AP	0.25	0.80	6
DURAND WWTP	0.44	1.06	8	SALINE 4SW	0.45	0.99	7
FARMINGTON	0.72	1.53	6	WHITE LAKE 4E	0.47	1.12	5
FLINT 7W	0.42	1.06	6	WHITMORE LAKE 1NW	0.46	1.15	8
FLINT FCWOS	0.40	1.08	7	WYANDOTTE	0.54	1.02	6
GOODRICH	0.42	1.07	8				

May – Top 20 Wettest/Driest on Record

Weather Forecast Office
Detroit, MI



Top 20 Wettest/Driest Mays 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	8.46	2004	0.43	1920	8.19	2004	0.34	1988	9.95	1912	0.53	1939
2	8.05	1943	0.58	1934	7.61	2011	0.59	1934	8.11	2004	0.76	1934
3	7.84	1892	0.87	1988	7.59	1945	0.76	1925	6.99	1942	0.80	2023
4	6.97	1947	0.90	1877	7.25	2014	0.79	1994	6.84	1945	0.80	1988
5	6.35	2018	0.92	2023	7.04	2012	0.92	1958	6.29	1996	0.81	1977
6	6.20	1991	0.97	1939	6.80	1956	0.93	1965	6.17	1983	0.84	1958
7	6.11	1945	0.97	1936	6.34	2000	0.95	1977	5.91	2020	0.89	1992
8	6.03	1956	1.16	1958	6.07	1943	0.99	1998	5.85	2006	1.03	1925
9	5.88	1968	1.16	1955	5.97	1932	1.02	1967	5.74	1927	1.12	1979
10	5.83	1875	1.18	1994	5.50	1974	1.02	1936	5.22	1956	1.16	1995
11	5.62	1876	1.21	1925	5.41	1924	1.08	2023	5.18	2000	1.18	1961
12	5.58	1927	1.24	1993	5.36	2020	1.25	1961	5.17	2013	1.20	1949
13	5.53	2015	1.26	1962	5.35	2001	1.31	1966	5.15	1997	1.25	1966
14	5.47	1983	1.33	1992	5.27	2006	1.37	1954	4.89	1989	1.26	1937
15	5.42	1932	1.36	1986	5.01	1927	1.40	2005	4.84	1943	1.29	1975
16	5.38	2011	1.39	1954	4.84	2007	1.55	1941	4.73	1986	1.34	1941
17	5.31	2010	1.50	1893	4.75	1957	1.56	1926	4.69	1933	1.44	1920
18	5.23	1997	1.55	1903	4.64	1969	1.58	1979	4.51	1926	1.47	1950
19	5.11	2000	1.63	1967	4.60	1947	1.59	2008	4.37	1916	1.47	1936
20	5.11	1883	1.65	1898	4.32	1959	1.61	1986	4.30	1946	1.48	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.

May 2023 – Significant Weather Events

Follow links for web summaries

Weather Forecast Office
Detroit, MI



No Significant Events in May



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

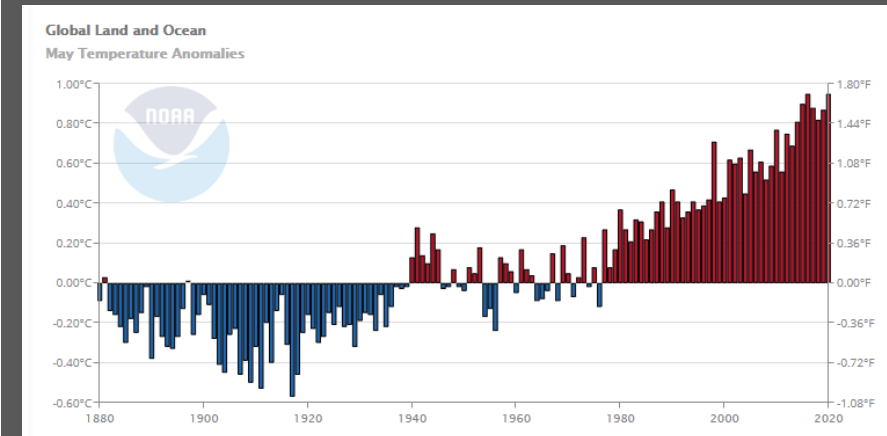
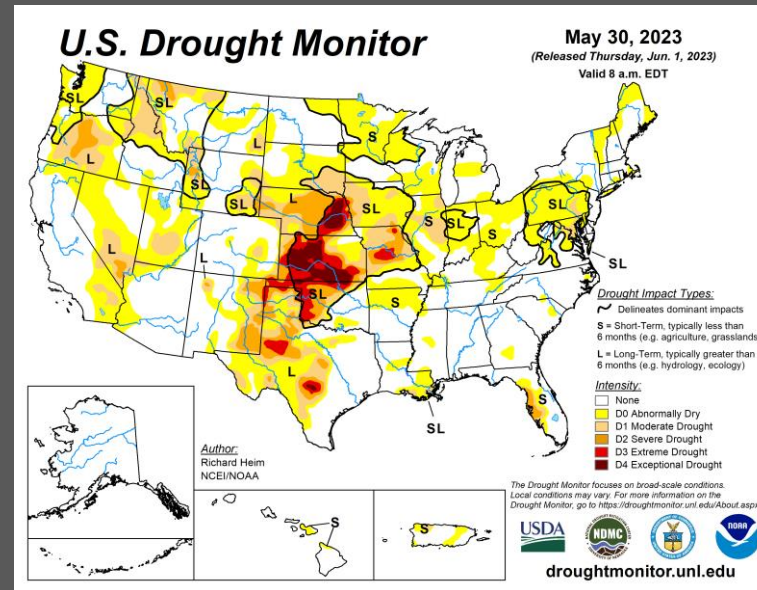
- ☑ Daily data for a month
- Daily almanac
- Monthly summarized data
- Calendar day summaries
- Daily/monthly normals
- Climatology for a day
- First/last dates
- Temperature graphs
- Accumulation graphs

Date: 2021-08 Go

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.

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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/

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