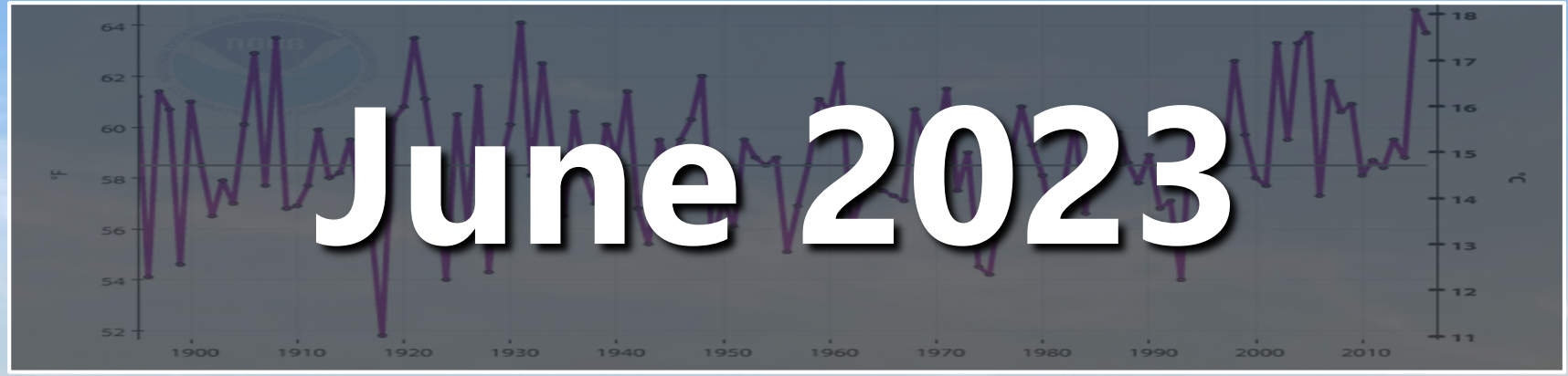


# Southeast Michigan Climate Summary

## Monthly Temperature, Precipitation, and Severe Weather Summaries

Weather Forecast Office  
Detroit, MI



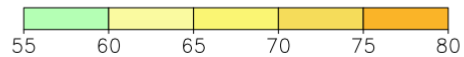
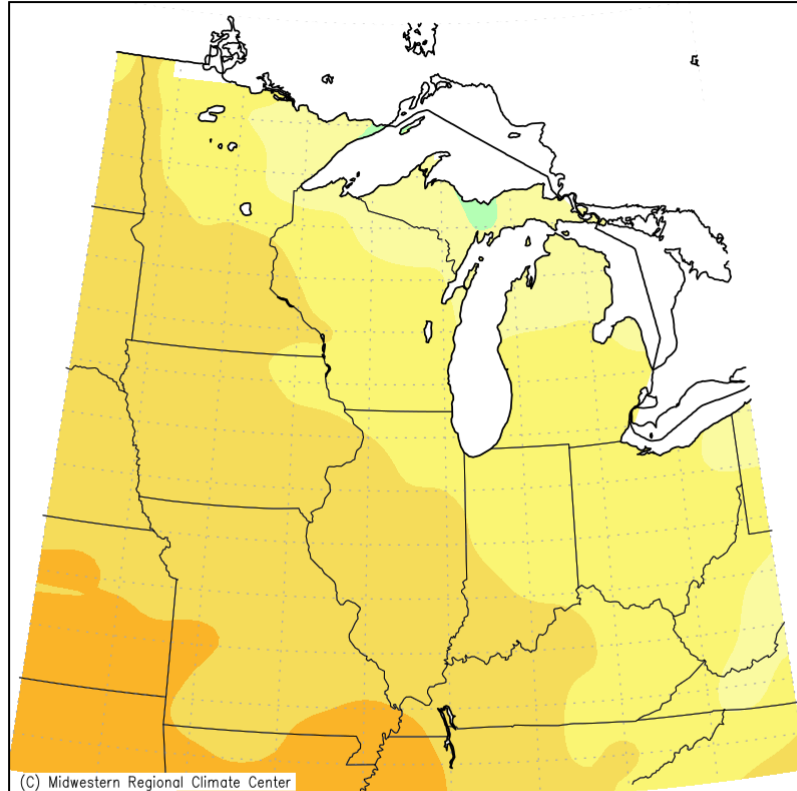
# June 2023 – Regional Temperature Summary

Weather Forecast Office  
Detroit, MI



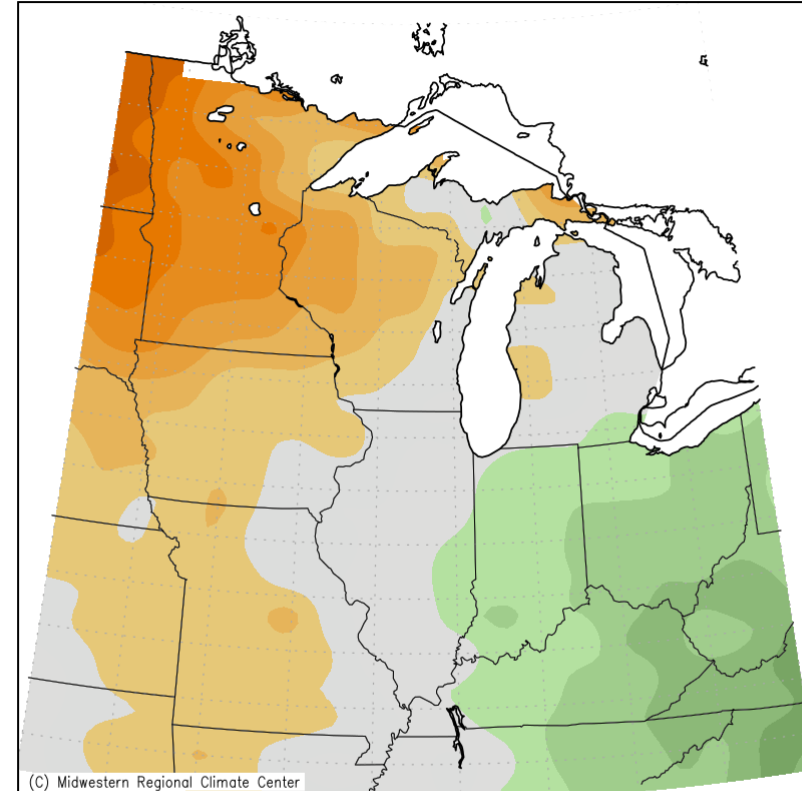
Average Temperature (left) & Departure from Average (right)

Average Temperature (°F)  
June 1, 2023 to June 30, 2023

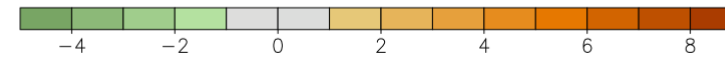


Midwestern Regional Climate Center  
Purdue University

Average Temperature (°F): Departure from Mean  
June 1, 2023 to June 30, 2023



Mean period is 1991–2020.



Midwestern Regional Climate Center  
Purdue University



# June 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	91	41	79.4	53.6	66.5	GROSSE POINTE FARMS	89	48	76.7	58.1	67.4
ADRIAN LENAWEE COUNTY AP	91	46	80.3	57.2	68.8	HARBOR BEACH 1 SSE	83	45	68.9	54.5	61.7
ALGONAC WWTP	92	46	79.7	54.0	66.8	LAPEER 2W	92	41	78.1	52.9	65.5
ANN ARBOR MUNICIPAL AP	90	35	78.2	50.5	64.4	LAPEER WWTP	91	43	79.0	53.6	66.1
ANN ARBOR SE	91	41	79.2	52.8	66.0	LEXINGTON WATER PLANT	83	45	71.5	53.9	62.7
ANN ARBOR U OF MICH	91	39	79.8	51.6	65.7	LINDEN WWTP	89	41	77.2	52.8	65.1
BAD AXE	90	43	75.4	53.9	64.6	MANCHESTER	91	42	79.7	52.7	66.2
BURTON 4N	89	40	77.7	51.7	64.7	MORENCI	90	44	79.9	54.5	67.3
CARO WWTP	92	41	78.9	52.7	65.8	OIL CITY 2S	89	40	77.5	49.4	63.5
CASS CITY 1 SSW	88	40	76.3	51.3	63.8	OWOSSO WWTP	90	43	79.2	53.6	66.4
CHELSEA	90	40	79.0	52.9	65.9	PONTIAC INTL AP	90	47	77.7	56.2	67.0
DEARBORN	90	46	78.2	56.7	67.5	PONTIAC WWTP	92	47	78.4	56.1	67.3
DEARBORN NO. 2	90	50	79.2	58.9	69.1	PORT HOPE	80	48	69.0	55.8	62.4
DETROIT CITY AP	91	51	79.9	60.4	70.2	PORT HURON	86	51	74.7	58.2	66.4
<b>DETROIT METRO AIRPORT</b>	<b>90</b>	<b>48</b>	<b>79.0</b>	<b>58.2</b>	<b>68.6</b>	RICHMOND 4 NNW	92	45	77.5	55.1	66.3
DETROIT WILLOW RUN AP	92	45	79.1	55.6	67.3	SAGINAW #3	92	47	79.3	56.0	67.7
DUNDEE	91	45	79.7	55.8	67.7	<b>SAGINAW MBS INTL AP</b>	<b>90</b>	<b>47</b>	<b>79.2</b>	<b>55.8</b>	<b>67.5</b>
FARMINGTON	89	46	77.5	55.2	66.4	SALINE 4SW	93	43	81.9	53.7	67.8
FILION 5NNW	89	46	76.4	55.7	66.1	TECUMSEH	91	45	79.1	53.4	66.3
FLINT 7W	89	41	77.0	53.6	65.3	WHITE LAKE 4E	90	38	77.3	50.5	63.9
<b>FLINT FCWOS</b>	<b>89</b>	<b>39</b>	<b>79.1</b>	<b>52.7</b>	<b>65.9</b>	WHITMORE LAKE 1NW	90	43	77.7	53.6	65.7
GOODRICH	90	41	76.7	54.1	65.4						



## Top 20 Coldest/Warmest Junes 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	62.8	1985	74.6	1933	60.1	1969	75.0	1933	60.6	1982	73.8	1933
2	62.8	1903	74.1	2005	60.9	1958	74.9	1934	61.0	1926	73.5	1919
3	63.1	1915	74.0	1919	61.5	1980	72.1	1949	61.5	1915	72.3	1971
4	63.4	1928	73.3	1949	62.5	1985	71.7	1925	61.8	1958	72.3	1934
5	63.4	1926	73.2	1934	62.5	1972	71.5	1921	61.9	1917	71.7	2005
6	63.4	1916	72.8	2021	62.9	1982	71.4	2020	62.1	1980	71.1	2021
7	63.6	1927	72.8	1943	63.1	1977	71.3	1943	62.1	1916	70.5	1976
8	63.7	1980	72.7	1952	63.3	1960	71.2	2005	62.3	1945	70.5	1931
9	63.7	1889	72.4	1991	63.4	1928	70.3	1952	62.6	1928	70.4	1949
10	63.8	1878	72.3	2012	63.6	1945	70.3	1987	62.7	1977	70.3	1967
11	63.9	1958	72.2	1994	63.8	1927	70.3	1939	62.8	1985	70.2	1932
12	63.9	1902	71.6	1995	64.2	1992	70.1	2021	63.2	1947	70.0	1995
13	64.1	1917	71.6	1890	64.5	1947	69.8	1931	63.5	1969	69.9	2007
14	64.2	1982	71.5	2018	64.6	2003	69.8	1923	63.7	1972	69.9	1923
15	64.2	1972	71.5	1944	64.7	1961	69.7	2016	63.8	1927	69.9	1930
16	64.4	1881	71.4	2010	64.9	1986	69.7	1991	64.2	1940	69.9	1921
17	64.6	1935	71.4	1921	64.9	2009	69.6	1954	64.2	1978	69.8	2012
18	64.6	1897	71.3	2007	64.9	1974	69.6	1932	64.2	1924	69.8	1987
19	64.7	1969	71.3	1954	65.1	1978	69.5	1971	64.3	1918	69.7	2014
20	64.8	1907	71.3	1987	65.1	1948	69.5	1944	64.4	1986	69.7	1999

\* 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.

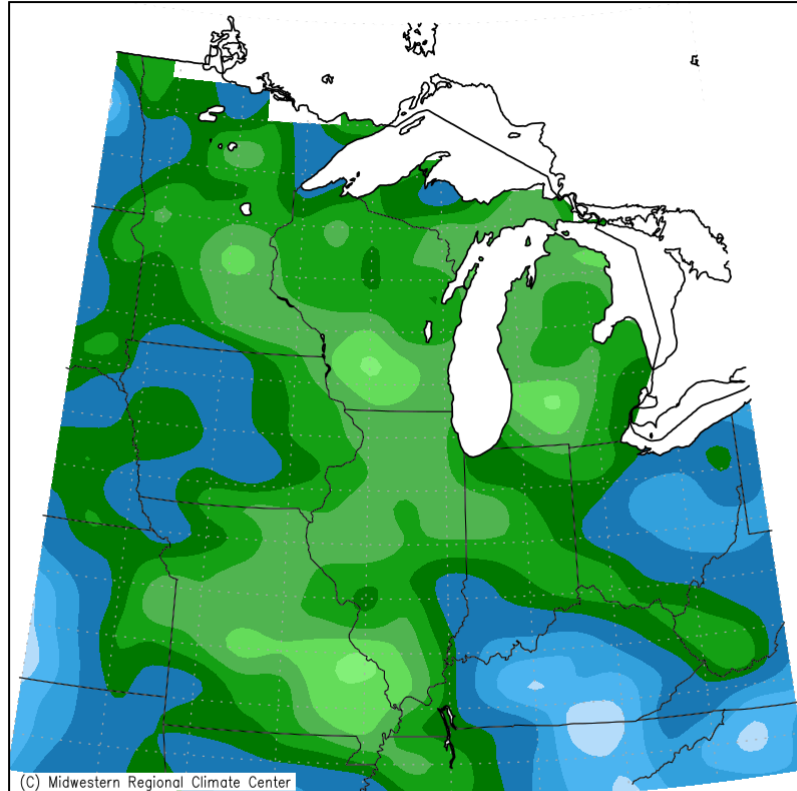
# June 2023 – Regional Precipitation Summary

Weather Forecast Office  
Detroit, MI



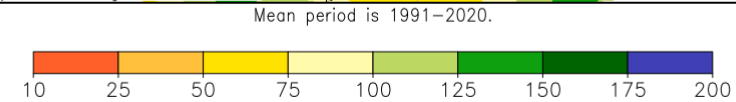
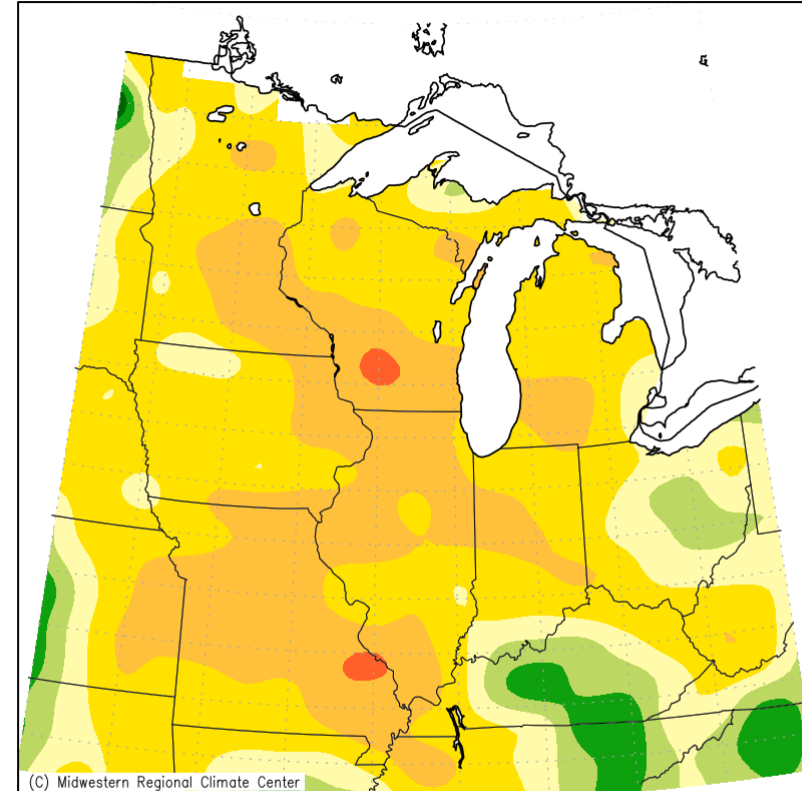
Total Monthly Precipitation (left) & Percent of Mean (right)

Accumulated Precipitation (in)  
June 1, 2023 to June 30, 2023



Midwestern Regional Climate Center  
Purdue University

Accumulated Precipitation: Percent of Mean  
June 1, 2023 to June 30, 2023



Midwestern Regional Climate Center  
Purdue University

# June 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	Location	Highest Daily Total	Monthly Total	# of Days with Precip
ADRIAN 2 NNE	0.94	2.44	9	DEXTER 0.3 ENE	0.40	1.69	7	MONROE 3.0 S	1.14	3.16	8
ADRIAN LENAWEE CO AP	1.17	2.44	6	DEXTER 2.2 SE	0.51	1.97	7	MONROE 5.9 NW	0.66	2.62	7
ALGONAC WWTP	0.79	3.06	6	DUNDEE	0.59	2.01	8	NEW BALTIMORE 0.4 SSE	0.81	3.46	10
ANN ARBOR 3.0 SE	1.15	3.68	7	DURAND WWTP	0.81	2.22	10	ORCHARD LK VLG 1.1 W	0.98	3.58	6
ANN ARBOR 4.3 WSW	1.11	2.88	9	EASTPOINTE 1.2 SSW	1.15	3.50	8	ORTONVILLE 2.3 S	0.70	2.96	9
ANN ARBOR 4.5 W	0.72	2.29	7	FARMINGTON	1.22	3.12	6	OTTAWA LAKE 1.4 SSW	0.78	2.54	6
ANN ARBOR 7.1 W	1.00	2.53	7	FENTON 2.7 SSE	1.42	4.25	10	OWOSSO WWTP	0.77	1.77	8
ANN ARBOR MNCPL AP	0.97	2.86	8	FENTON 5.6 WSW	0.83	2.08	10	PLYMOUTH 5.4 W	1.28	3.92	8
ANN ARBOR SE	1.10	3.29	7	FENTON 6.2 WSW	0.78	1.94	7	PONTIAC INTL AP	0.60	2.45	8
ANN ARBOR U OF MICH	2.30	3.71	10	FILION 5NNW	0.64	1.86	10	PORT HOPE	0.99	2.54	9
BAD AXE	0.38	1.43	9	FLINT 7W	0.86	2.48	7	PORT HURON	0.89	2.73	9
BAD AXE 0.5 SSW	0.38	1.32	9	<b>FLINT FCWOS</b>	<b>0.83</b>	<b>2.12</b>	<b>8</b>	PORT HURON 1.6 W	1.25	2.58	10
BAY PORT 3.2 SSW	0.48	2.16	8	GOODRICH	0.67	2.13	8	PORT HURON 2.8 WSW	0.81	2.21	10
BELLEVILLE 2.8 ESE	0.84	3.64	10	GROSSE POINTE FARMS	0.82	3.69	9	RICHMOND 4 NNW	0.62	2.80	8
BERKLEY 0.6 N	0.79	3.69	9	G. P. WOODS 0.6 W	1.02	3.86	7	ROSEVILLE 1.7 ENE	0.98	3.08	10
BLOOMFIELD TWP 3.1 SW	1.12	4.11	8	HARBOR BEACH 1 SSE	0.57	1.62	7	SAGINAW 6.4 W	0.60	1.80	9
BURTON 4N	0.93	2.88	9	HIGHLAND 1.3 NE	0.86	2.97	8	SAGINAW 8NW	0.68	1.82	8
CARLETON 2.5 S	0.76	3.12	9	HOWELL 3.7 WSW	0.91	2.49	7	SAGINAW #3	0.67	1.68	9
CARO WWTP	0.45	2.29	9	HOWELL 4.9 ESE	0.67	2.05	7	<b>SAGINAW MBS INTL AP</b>	<b>0.74</b>	<b>2.03</b>	<b>7</b>
CASS CITY 1 SSW	2.20	4.15	8	LAPEER 2W	0.69	2.03	10	SALINE 3.8 SSW	0.84	2.42	8
CHELSEA	0.51	1.38	8	LAPEER WWTP	0.39	1.82	7	SHELBY 0.4 SSE	0.72	2.93	7
CHELSEA 3.7 NNE	0.49	1.66	8	LEXINGTON WWTP	0.80	2.17	7	ST CHARLES 5.0 W	0.84	2.49	9
CLAWSON 0.5 S	0.62	3.01	9	LINDEN 6.5 SW	0.88	2.30	7	STERLING HEIGHTS 2.2 NNE	0.66	2.83	8
DAVISON 5.2 N	0.36	1.69	9	LINDEN WWTP	0.85	2.65	6	WATERFORD 2.1 NW	0.52	2.11	10
DEARBORN	0.70	2.57	10	LIVONIA 2.0 NE	0.49	2.13	8	WATERFORD 2.6 N	0.61	2.30	9
DEARBORN HGHTS 1.8 NW	0.70	2.60	10	LIVONIA 2.3 NNW	0.91	2.27	8	WHITE LAKE 0.5 E	0.92	2.75	9
DEARBORN NO. 2	0.64	2.58	9	MIDLAND 1.5 NNE	0.84	2.62	7	WHITE LAKE 4E	0.64	2.39	10
DETROIT 4.4 S	0.84	2.23	10	MIDLAND 4.7 SSE	0.48	1.46	8	WHITMORE LAKE 1NW	0.51	1.69	6
DETROIT CITY AP	0.92	2.48	8	MILFORD 4.3 ESE	1.17	3.26	6	WIXOM 2.0 NNW	1.05	3.05	8
<b>DETROIT METRO AIRPORT</b>	<b>0.87</b>	<b>3.19</b>	<b>8</b>	MILLINGTON 3 SE	0.56	1.13	5	WYANDOTTE	0.75	2.78	9
DETROIT WILLOW RUN AP	1.85	4.05	9								



# June – Top 20 Wettest/Driest on Record

Weather Forecast Office  
Detroit, MI



## Top 20 Wettest/Driest Junes 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	8.31	1892	0.55	1895	6.57	2009	0.63	1988	10.76	2017	0.61	1988
2	7.04	1987	0.94	2011	6.52	1994	0.67	2016	6.92	1996	0.64	1952
3	6.97	1902	0.97	1988	6.40	2021	0.72	1995	5.82	1928	0.76	1912
4	6.97	1896	1.01	1959	5.87	1949	0.79	1933	5.65	2008	1.03	1927
5	6.58	1960	1.04	1984	5.58	1943	0.83	2012	5.15	1967	1.19	1956
6	6.42	1980	1.06	1952	5.48	2019	0.90	1952	5.09	1935	1.23	1925
7	6.32	1903	1.07	2002	5.46	2015	0.92	1984	5.05	2021	1.38	1918
8	6.05	1993	1.08	1904	5.40	1968	1.14	1959	4.93	1917	1.39	1964
9	6.01	2013	1.19	1933	5.37	1928	1.19	1932	4.92	1994	1.48	1959
10	5.90	1881	1.30	2016	5.36	1967	1.25	1998	4.83	1987	1.50	1991
11	5.75	1986	1.31	2012	5.31	1962	1.37	1925	4.75	1915	1.53	1990
12	5.49	1920	1.35	1932	5.23	1993	1.48	2002	4.71	1976	1.53	1923
13	5.46	1999	1.39	1934	5.13	1986	1.54	1985	4.67	1954	1.55	1997
14	5.42	2010	1.42	1913	4.90	1989	1.57	1997	4.62	1948	1.57	1929
15	5.32	2015	1.46	1922	4.82	1948	1.57	1934	4.56	2011	1.62	1941
16	5.27	2009	1.47	1910	4.70	1977	1.60	1987	4.49	2010	1.65	2006
17	5.24	1906	1.48	1911	4.68	1975	1.62	1923	4.44	2019	1.70	1934
18	5.16	2021	1.51	1876	4.56	1940	1.66	1978	4.41	1943	1.73	1966
19	5.15	1898	1.55	1995	4.51	2013	1.66	1922	4.37	1945	1.75	1963
20	4.99	1968	1.61	1956	4.44	1945	1.77	1927	4.22	1939	1.77	2016

\* 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.

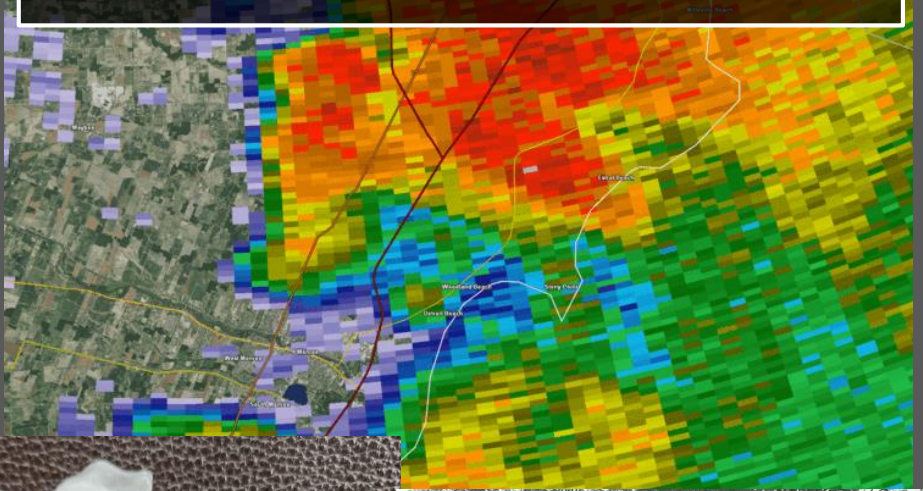


# June 2023 – Significant Weather Events

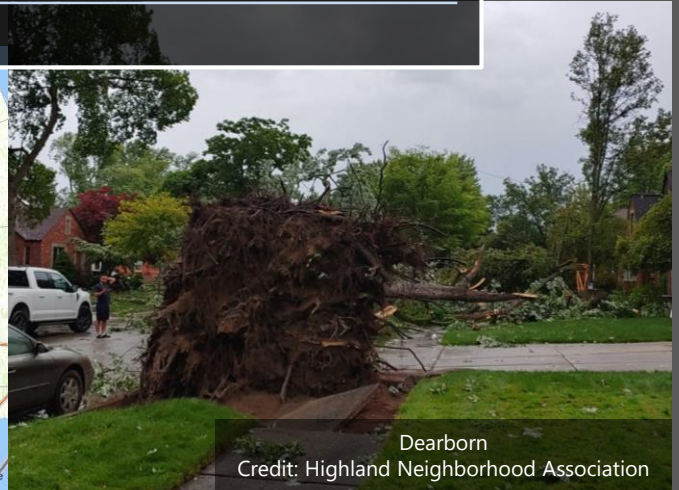
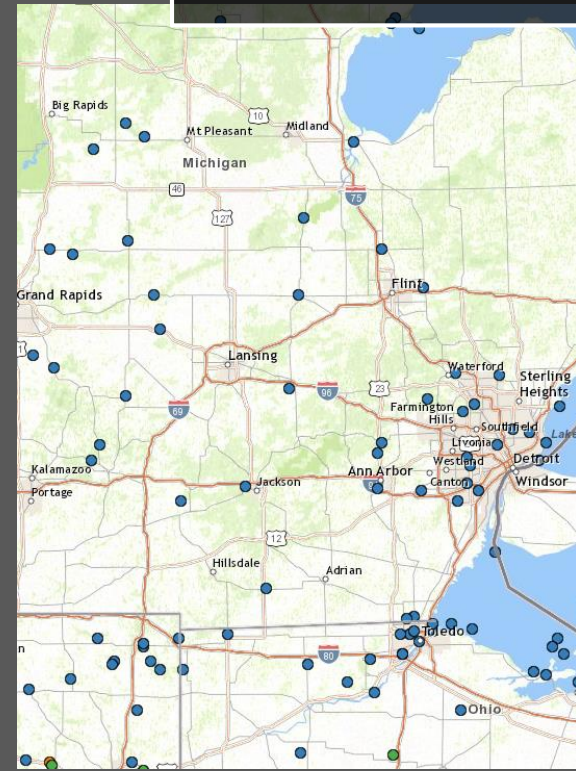


Follow links for web summaries

**June 15 Detroit Beach Tornado**  
[weather.gov/dtx/SevereStormsandDetroitBeachTornado June15 2023](https://weather.gov/dtx/SevereStormsandDetroitBeachTornado%20June15%202023)



**June 25 Severe Weather**  
[weather.gov/dtx/severeweather06252023](https://weather.gov/dtx/severeweather06252023)



Dearborn  
Credit: Highland Neighborhood Association



Carleton  
Credit: Laura Gaynie



Pinkney  
Credit: Kyle Piers



Commerce Twp  
Credit: Rob Long





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

2. 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

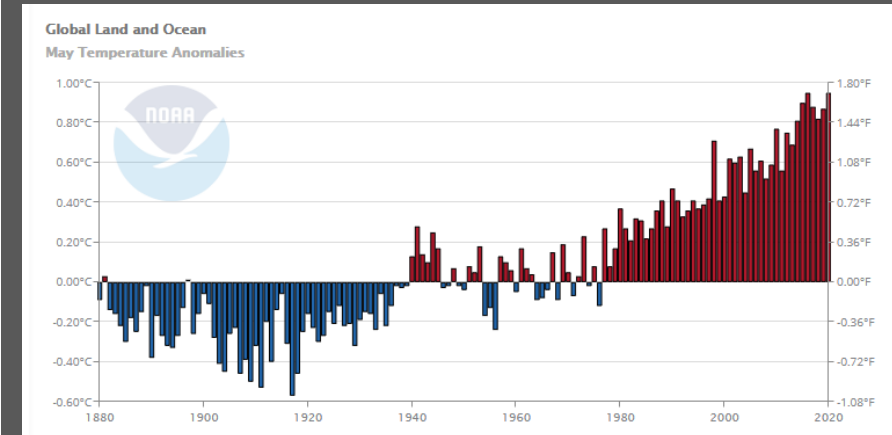
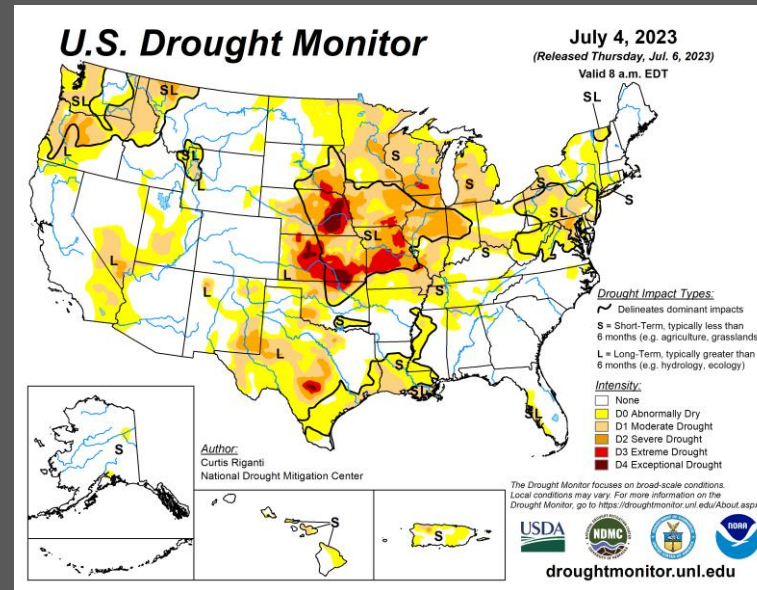
3. Options »  
Date: 2021-08 Go

**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.

- 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](http://weather.gov/wrh/climate?wfo=dtx)

## U.S. Drought Monitor

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

## NOAA NCEI Climate at a Glance

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

Thank you to our **COOP** and **CoCoRaHS** volunteer weather observers!