

# Southeast Michigan Climate Summary

## Monthly Temperature, Precipitation, and Severe Weather Summaries

Weather Forecast Office  
Detroit, MI



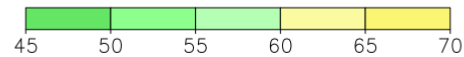
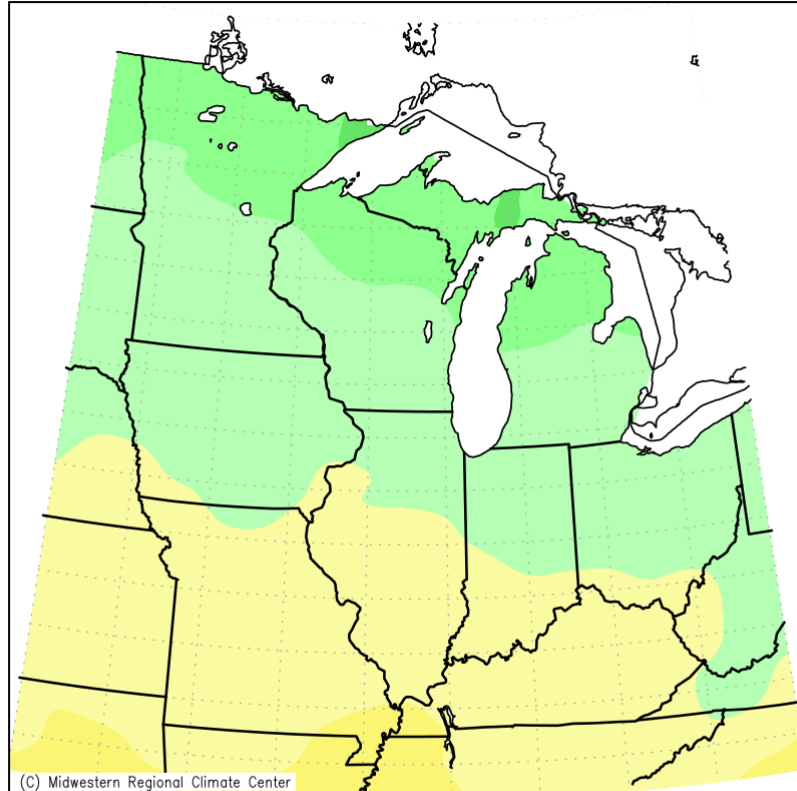
# May 2021 – Regional Temperature Summary

Weather Forecast Office  
Detroit, MI



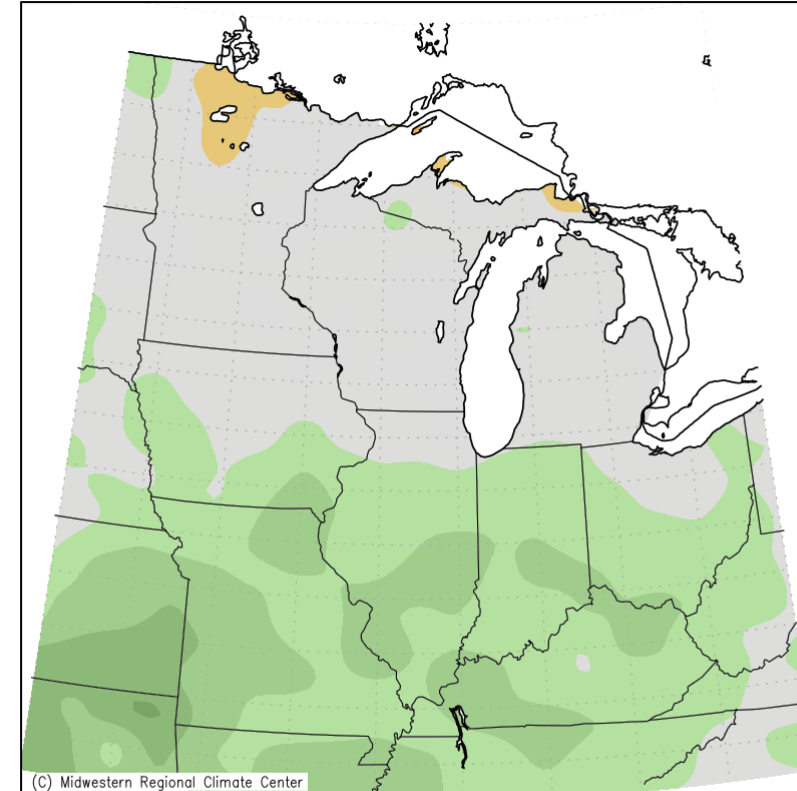
Average Temperature (left) & Departure from Average (right)

Average Temperature (°F)  
May 1, 2021 to May 31, 2021



Midwestern Regional Climate Center  
cli-MATE: MRCC Application Tools Environment  
Generated at: 6/3/2021 12:10:29 PM CDT

Average Temperature (°F): Departure from Mean  
May 1, 2021 to May 31, 2021



Midwestern Regional Climate Center  
Illinois State Water Survey, Prairie Research Institute  
University of Illinois at Urbana-Champaign

# May 2021 – 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 LENAWEE COUNTY AP	88	30	69.4	46.7	58.0	LAPEER 2W	89	28	69.0	45.2	57.1
ALGONAC WWTP	91	30	70.5	43.5	57.0	LAPEER WWTP	88	29	69.0	44.1	56.3
ANN ARBOR MUNICIPAL AP	87	24	68.4	41.0	54.7	LEXINGTON WATER PLANT	88	31	63.5	44.8	54.1
ANN ARBOR SE	87	27	69.5	43.3	56.4	LINDEN WWTP	86	27	66.5	41.9	54.2
ANN ARBOR U OF MICH	88	26	71.0	43.9	57.4	MANCHESTER	88	23	70.0	44.0	57.0
BAD AXE	87	29	66.0	43.5	54.7	MIDLAND	86	30	68.2	45.4	56.8
BURTON 4N	89	26	68.9	41.2	55.0	MORENCI	88	27	69.2	44.2	56.7
CARO WWTP	88	29	68.5	43.8	56.1	NEWPORT 4SSE	86	34	65.6	46.9	56.3
CASS CITY 1 SSW	86	27	67.1	41.8	54.4	OWOSSO WWTP	88	26	68.9	43.3	56.3
CHELSEA	87	28	68.9	44.4	56.7	PONTIAC INTL AP	87	30	68.6	45.7	56.9
DEARBORN NO. 2	89	33	69.8	49.5	59.6	PONTIAC WWTP	88	30	68.8	45.3	57.1
DETROIT CITY AP	91	34	71.5	49.5	60.5	PORT HOPE	87	32	62.2	45.7	53.9
<b>DETROIT METRO AIRPORT</b>	<b>88</b>	<b>32</b>	<b>69.8</b>	<b>48.2</b>	<b>59.0</b>	PORT HURON	87	32	67.5	48.2	57.9
DUNDEE	88	31	69.0	45.2	57.1	RICHMOND 4 NNW	91	29	68.5	46.4	57.5
FARMINGTON	87	28	67.8	43.9	55.9	SAGINAW #3	88	29	68.9	45.8	57.3
FILION 5NNW	88	32	67.5	46.3	56.9	<b>SAGINAW MBS INTL AP</b>	<b>87</b>	<b>29</b>	<b>69.5</b>	<b>45.9</b>	<b>57.7</b>
FLINT 7W	87	27	67.4	43.7	55.5	SALINE 4SW	88	28	69.4	44.4	56.9
<b>FLINT FCWOS</b>	<b>87</b>	<b>25</b>	<b>69.3</b>	<b>44.7</b>	<b>57.0</b>	TECUMSEH	90	28	70.0	42.5	56.3
GOODRICH	86	29	67.5	44.5	56.0	TIPTON 2WNW	87	26	69.5	43.6	56.5
GROSSE POINTE FARMS	93	34	68.4	47.5	58.0	WHITE LAKE 4E	85	24	66.4	40.9	53.6
HARBOR BEACH 1 SSE	88	31	61.1	44.2	52.6	WHITMORE LAKE 1NW	86	28	68.3	42.2	55.2

# May – Top 20 Coldest/Warmest on Record

Weather Forecast Office  
Detroit, MI



## 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	1982	52.9	1924	62.6	1977	51.9	1954	61.6	2015
12	53.9	1910	63.7	1964	53.1	2002	61.9	2013	52.1	1966	61.5	2013
13	54.2	1883	63.7	1880	53.4	2005	61.9	1939	52.5	1946	61.5	1962
14	54.3	1888	63.6	2013	53.5	1983	61.8	1975	52.7	1935	61.3	2010
15	54.4	1983	63.3	1987	53.8	1974	61.6	1965	52.8	1948	61.1	1964
16	54.5	1984	63.3	1944	53.8	1948	61.5	1962	53.0	1974	61.1	1959
17	54.5	2002	63.1	1965	54.0	1957	61.4	1944	53.1	1956	61.0	1985
18	54.5	1890	63.0	1887	54.1	1963	61.1	1933	53.4	1957	60.7	1965
19	54.7	1954	62.8	1975	54.1	1935	61.1	1921	53.4	1923	60.5	1988
20	54.7	1925	62.8	1936	54.1	1925	60.9	1959	53.6	2003	60.4	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.

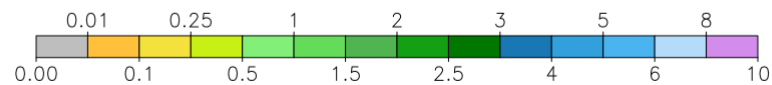
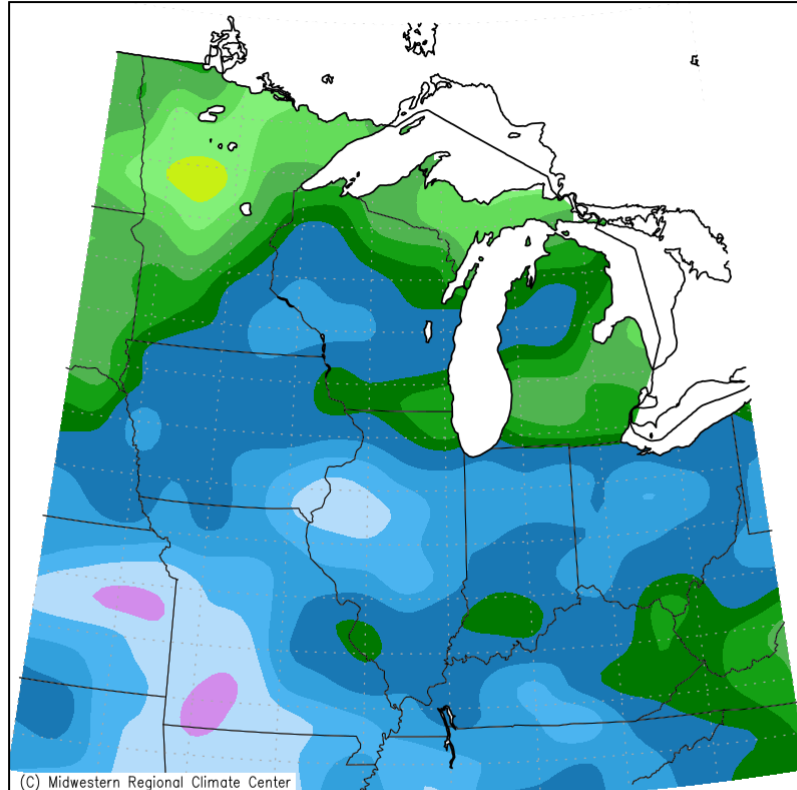
# May 2021 – Regional Precipitation Summary

Weather Forecast Office  
Detroit, MI



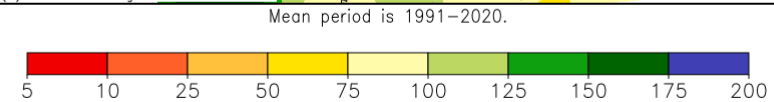
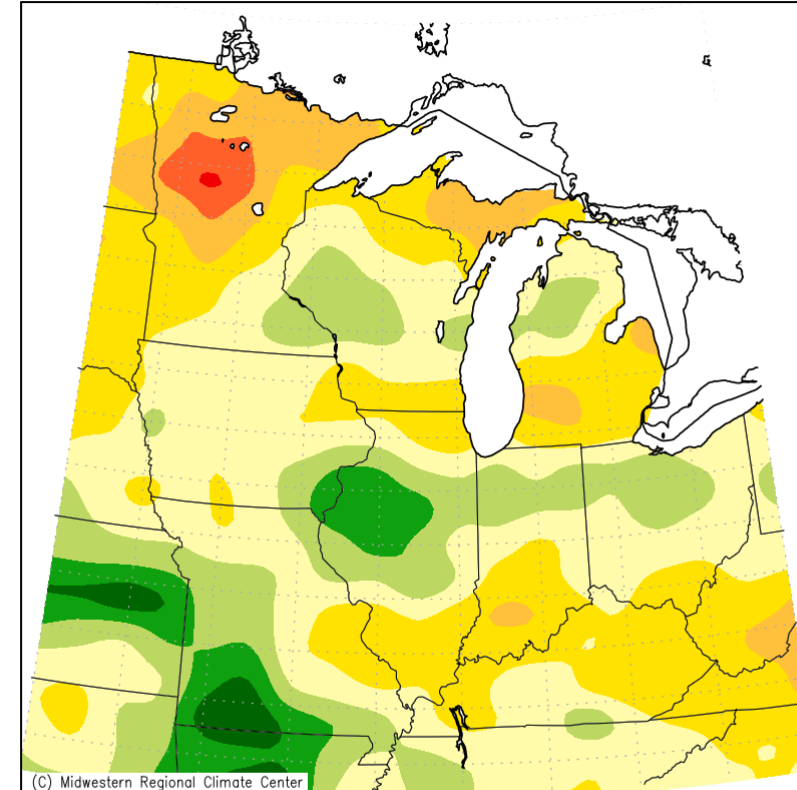
Total Monthly Precipitation (*left*) & Percent of Mean (*right*)

Accumulated Precipitation (in)  
May 1, 2021 to May 31, 2021



Midwestern Regional Climate Center  
Illinois State Water Survey, Prairie Research Institute  
University of Illinois at Urbana–Champaign

Accumulated Precipitation: Percent of Mean  
May 1, 2021 to May 31, 2021



Midwestern Regional Climate Center  
Illinois State Water Survey, Prairie Research Institute  
University of Illinois at Urbana–Champaign

# May 2021 – SE Michigan Precipitation Summary

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 LENAWEE CO AP	0.55	1.91	7	DEXTER 2.2 SE	0.63	2.48	15	ORTONVILLE 2.3 S	0.65	2.56	14
ANN ARBOR 3.0 SE	0.60	2.44	12	DURAND 6.2 WNW	0.40	1.84	14	OTTAWA LAKE 1.4 SSW	0.68	2.85	11
ANN ARBOR 4.5 W	0.62	2.48	13	FARMINGTON	0.66	2.93	12	OWOSSO WWTP	0.38	2.33	16
ANN ARBOR 7.1 W	0.52	2.18	11	FARMINGTON HILLS 1.4 N	0.61	2.96	14	PLYMOUTH 5.4 W	0.58	2.50	14
ANN ARBOR MUNICIPAL AP	0.75	2.39	10	FENTON 2.7 SSE	0.54	2.77	14	PLYMOUTH 6.3 W	0.55	2.32	13
ANN ARBOR SE	0.55	2.55	14	FENTON 5.6 WSW	0.73	2.23	10	PONTIAC INTL AP	0.73	2.11	12
ANN ARBOR U OF MICH	0.78	2.20	12	FENTON 6.2 WSW	0.47	2.18	13	PONTIAC WWTP	0.77	2.24	12
BAD AXE	0.32	1.46	11	FLINT 7W	0.29	1.91	15	PORT HOPE	0.49	1.56	9
BAY PORT 3.2 SSW	0.35	1.42	11	<b>FLINT FCWOS</b>	<b>0.46</b>	<b>1.77</b>	<b>11</b>	PORT HURON	0.70	1.51	10
BLOOMFIELD TWP 3.1 SW	0.58	2.51	11	FRASER 1.2 N	0.64	1.73	10	PORT HURON 1.6 W	0.42	1.63	12
BURTON 4N	0.34	1.83	14	GOODRICH	0.41	1.88	14	RICHMOND 4 NNW	0.49	1.48	11
CANTON 2.7 N	0.48	2.20	13	GROSSE ILE 1.6 N	0.75	2.59	11	ROSEVILLE 1.7 ENE	0.51	2.23	11
CARO WWTP	0.44	1.72	11	HARBOR BEACH 1 SSE	0.44	1.37	10	SAGINAW 6.4 W	0.35	1.75	12
CASS CITY 1 SSW	0.35	1.41	12	LAPEER 2W	0.34	1.67	13	SAGINAW 8NW	0.39	1.90	14
CHELSEA	0.53	2.38	13	LINDEN WWTP	0.60	2.67	16	SAGINAW #3	0.40	1.81	14
CHELSEA 3.7 NNE	0.41	1.94	14	LIVONIA 2.0 NE	1.07	2.98	12	<b>SAGINAW MBS INTL AP</b>	<b>0.33</b>	<b>1.53</b>	<b>11</b>
CHESANING	0.33	2.28	14	MANCHESTER	0.59	2.23	14	SALINE 3.8 SSW	0.50	2.03	10
CHESTERFIELD 2.4 E	0.52	2.15	11	MIDLAND	0.65	1.94	10	SALINE 4SW	0.39	2.78	13
CLINTON 0.5 NE	0.52	2.24	13	MIDLAND 1.5 NNE	0.60	1.90	12	TIPTON 2WNW	0.50	2.44	12
DAVISBURG 1.3 ESE	0.55	2.60	13	MIDLAND 2.9 SW	0.52	2.05	12	WHITE LAKE 0.5 E	0.47	2.61	15
DEARBORN HEIGHTS 1.8 NW	0.89	3.07	14	MILFORD 4.3 ESE	0.66	2.75	14	WHITE LAKE 4E	0.78	2.71	13
DEARBORN NO. 2	0.51	1.83	9	MONROE 3.0 S	0.74	3.02	12	WHITMORE LAKE 1NW	0.26	1.55	10
DETROIT 4.4 S	0.45	1.93	13	MORENCI	0.78	2.62	12	WYANDOTTE	0.49	1.86	11
<b>DETROIT METRO AIRPORT</b>	<b>0.69</b>	<b>2.23</b>	<b>9</b>	NEW BALTIMORE 0.4 SSE	0.44	1.93	12	YPSILANTI 2.5 SSE	0.59	2.61	13
DETROIT WILLOW RUN AP	0.70	1.57	5	NEWPORT 4SSE	1.85	4.49	12				

# 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	1988
4	6.97	1947	0.90	1877	7.25	2014	0.79	1994	6.84	1945	0.81	1977
5	6.35	2018	0.97	1939	7.04	2012	0.92	1958	6.29	1996	0.84	1958
6	6.20	1991	0.97	1936	6.80	1956	0.93	1965	6.17	1983	0.89	1992
7	6.11	1945	1.16	1958	6.34	2000	0.95	1977	5.91	2020	1.03	1925
8	6.03	1956	1.16	1955	6.07	1943	0.99	1998	5.85	2006	1.12	1979
9	5.88	1968	1.18	1994	5.97	1932	1.02	1967	5.74	1927	1.16	1995
10	5.83	1875	1.21	1925	5.50	1974	1.02	1936	5.22	1956	1.18	1961
11	5.62	1876	1.24	1993	5.41	1924	1.25	1961	5.18	2000	1.20	1949
12	5.58	1927	1.26	1962	5.36	2020	1.31	1966	5.17	2013	1.25	1966
13	5.53	2015	1.33	1992	5.35	2001	1.37	1954	5.15	1997	1.26	1937
14	5.47	1983	1.36	1986	5.27	2006	1.40	2005	4.89	1989	1.29	1975
15	5.42	1932	1.39	1954	5.01	1927	1.55	1941	4.84	1943	1.34	1941
16	5.38	2011	1.50	1893	4.84	2007	1.56	1926	4.73	1986	1.44	1920
17	5.31	2010	1.55	1903	4.75	1957	1.58	1979	4.69	1933	1.47	1950
18	5.23	1997	1.63	1967	4.64	1969	1.59	2008	4.51	1926	1.47	1936
19	5.11	2000	1.65	1898	4.60	1947	1.61	1986	4.37	1916	1.48	1971
20	5.11	1883	1.68	1964	4.32	1959	1.64	1992	4.30	1946	1.48	1913

\* 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 2021 – Significant Weather Events

Follow links for web summaries

Weather Forecast Office  
Detroit, MI



No Significant Events in May





Observed Weather | Climate Locations | Climate Prediction | Climate Resources | Local Data/Records | Astronomical | NOWData

### Observed Weather Reports

1. Product »  
 Daily Climate Report (CLI)  
 Preliminary Monthly Climate Data (CF6)  
 Record Event Report (RER)  
 Monthly Weather Summary (CLM)  
 Regional Summary (RTP)  
 State Summary (Temp/Precip)

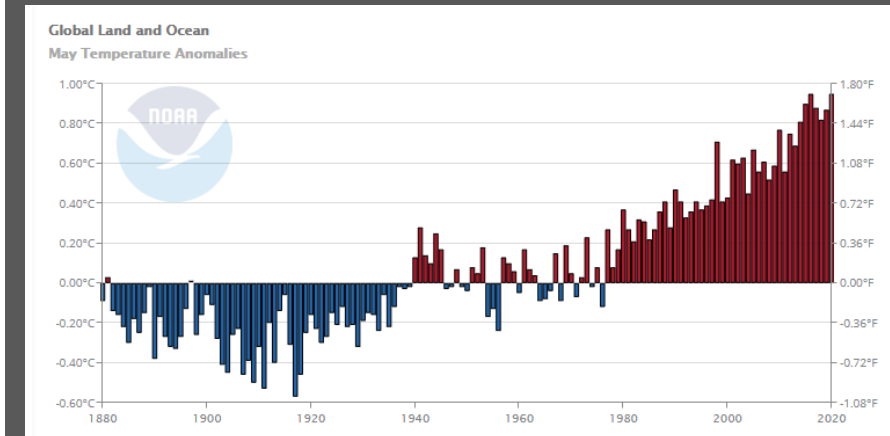
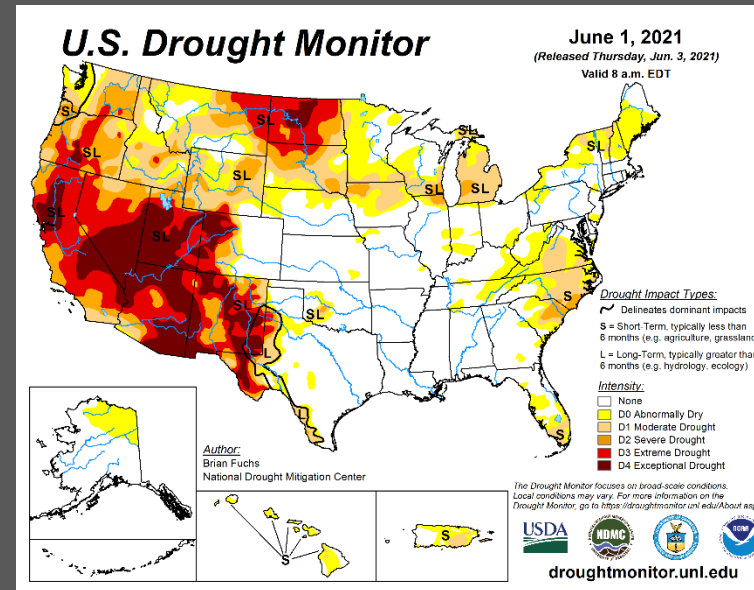
2. Location »  
Detroit  
Flint  
Saginaw

3. Timeframe »  
 Most Recent  
 Archived Data:  
July 3rd, 2020  
July 2nd, 2020  
July 1st, 2020  
June 30th, 2020  
June 29th, 2020  
June 28th, 2020

4. View »  
**Go**

[Storm Event Database \(NCDC\)](#)

**Product Description:**  
DAILY CLIMATE REPORT - issued daily:  
Detailed daily weather statistics (usually for yesterday), including temperature, precipitation, degree days, wind, humidity, sunrise/sunset, and record temperature data for the following day. Precipitation data includes both calendar year and water year totals, percent of normal values, and comparisons to normal. This product is



## SE Michigan Climate Products

[weather.gov/climate/index.php?wfo=dtx](https://weather.gov/climate/index.php?wfo=dtx)

## U.S. Drought Monitor

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

## NOAA NCEI Climate at a Glance

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

Thank you to our COOP and CoCoRaHS volunteer weather observers!