

Southeast Michigan Climate Summary

Monthly Temperature, Precipitation, and Severe Weather Summaries

Weather Forecast Office
Detroit, MI



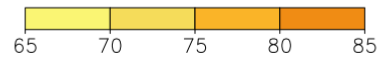
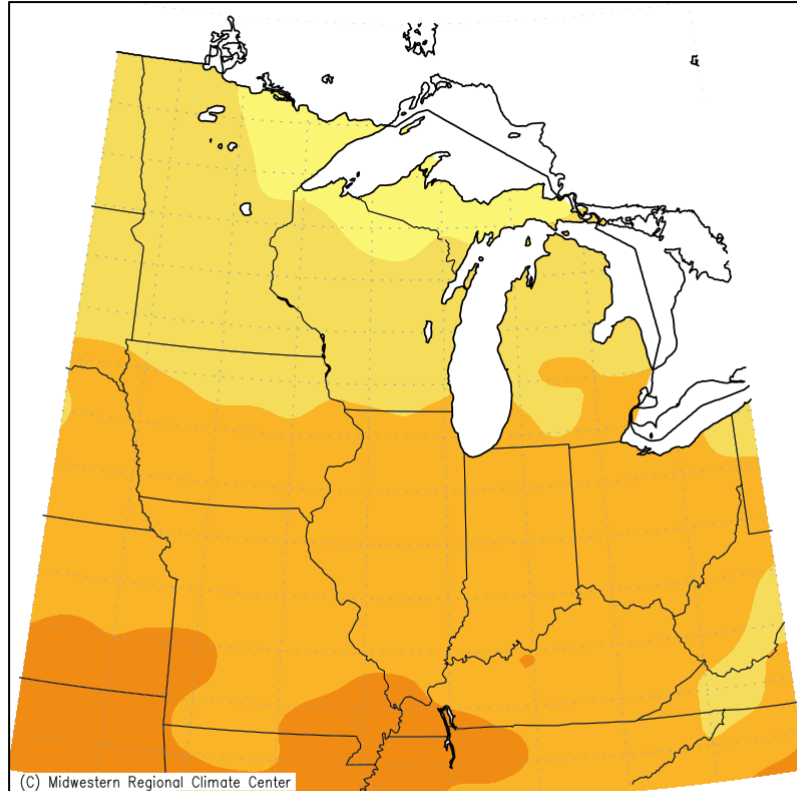
July 2020 – Regional Temperature Summary

Weather Forecast Office
Detroit, MI



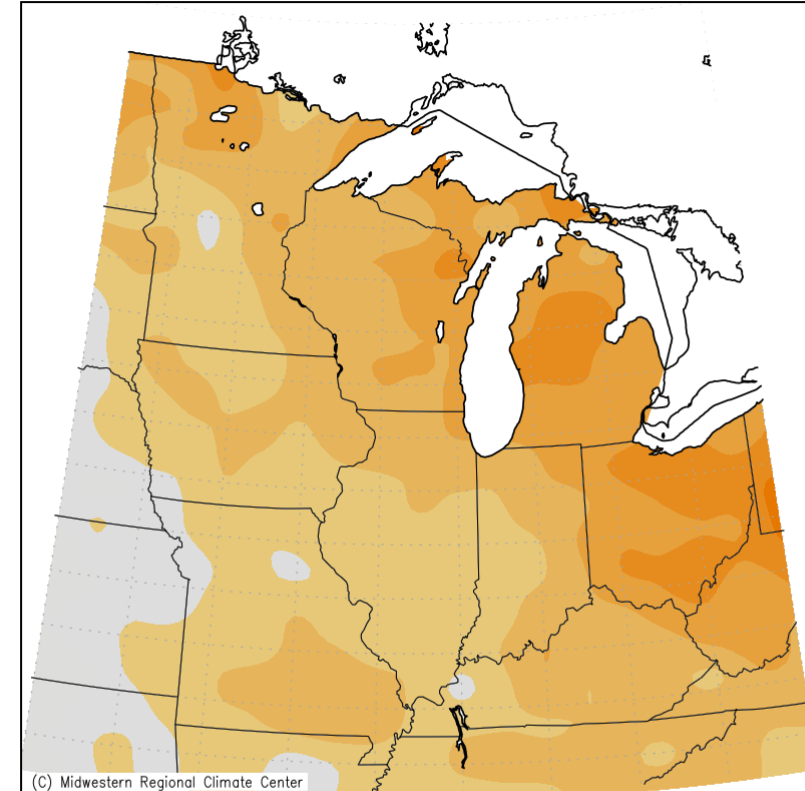
Average Temperature (left) & Departure from Average (right)

Average Temperature (°F)
July 1, 2020 to July 31, 2020



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

Average Temperature (°F): Departure from Mean
July 1, 2020 to July 31, 2020



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Illinois State Water Survey, Prairie Research Institute
University of Illinois at Urbana-Champaign

July 2020 – SE Michigan Temperature Summary

Weather Forecast Office
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Warmest, Coldest, and Averages (°F)

Location	Highest Temp	Lowest Temp	Avg High	Avg Low	Monthly Avg
ADRIAN LENAWEE COUNTY AP	95	57	87	64.4	75.7
ANN ARBOR MUNICIPAL AP	93	52	86.1	59.8	72.9
ANN ARBOR SE	93	57	87	62.7	74.9
ANN ARBOR U OF MICH	94	55	86.8	63.0	74.9
BAD AXE	94	57	84.6	62.5	73.6
CARO WWTP	95	55	86.8	62.6	74.7
CASS CITY 1 SSW	92	54	84.5	59.7	72.1
CHELSEA	94	56	85.9	63.4	74.6
DEARBORN NO. 2	95	63	88.3	68.9	78.6
DETROIT CITY AP	95	63	87.1	68.7	77.9
DETROIT METRO AIRPORT	95	62	87.1	67.8	77.5
DETROIT WILLOW RUN AP	98	59	90.1	66.6	78.4
DUNDEE	95	59	87.6	64.9	76.3
DURAND WWTP	96	51	87.2	64.1	75.7
FARMINGTON	94	58	86.5	63.5	75.0
FILION 5NNW	93	57	84.8	63.7	74.3
FLINT 7W	93	56	85.3	63.3	74.3
FLINT FCWOS	97	53	86.4	62.9	74.7
GOODRICH	95	57	86.2	63.5	74.9
HARBOR BEACH 1 SSE	92	56	80.4	63.8	72.1
LAPEER 2W	95	56	85.8	63.4	74.6
LAPEER WWTP	95	57	86.9	63.5	75.2

Location	Highest Temp	Lowest Temp	Avg High	Avg Low	Monthly Avg
LEXINGTON WATER PLANT	92	56	82.3	62.5	72.4
LINDEN WWTP	92	56	84.6	61.5	73.1
MANCHESTER	95	57	86.8	63.6	75.2
MIDLAND	95	57	85.6	64.6	75.1
MILAN WWTP	99	59	87.1	65.2	76.2
MORENCI	98	55	89.7	62.1	75.9
NEWPORT 4SSE	90	60	85.2	66.7	76.0
OIL CITY 2S	93	52	84.9	60.1	72.5
OWOSSO WWTP	93	57	86.3	63.5	74.9
PONTIAC INTL AP	94	60	86.5	65.8	76.1
PONTIAC WWTP	96	59	86.9	65.6	76.2
PORT HOPE	92	57	80.4	64.9	72.6
PORT HURON	97	58	86.1	67.8	77.0
RICHMOND 4 NNW	98	58	87.2	64.7	76.0
SAGINAW #3	95	59	87.5	65.3	76.5
SAGINAW MBS INTL AP	95	59	86.7	65.1	75.9
SALINE 4SW	95	55	88.4	63.3	75.9
TECUMSEH	97	55	89.5	60.3	74.9
TIPTON 2WNW	97	56	88.3	61.3	74.8
WHITE LAKE 4E	90	52	82.9	58.8	70.9
WHITMORE LAKE 1NW	90	57	83.7	62.5	73.1
YALE 1 NNW	94	53	84.4	59.5	71.9

July – Top 20 Coldest/Warmest on Record



Top 20 Coldest/Warmest Julys 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	67.1	1891	79.3	2011	65.6	2009	78.0	1921	66.0	2009	77.5	1921
2	68.8	1992	79.0	2012	66.9	1992	77.7	1935	66.2	1992	76.8	1916
3	68.9	2009	79.0	1955	67.3	1967	76.8	2011	67.1	1924	76.4	2012
4	68.9	1967	79.0	1921	67.3	1962	76.7	1934	67.2	1920	76.2	1935
5	69.6	1971	77.9	1916	67.4	1971	76.5	1955	67.3	1945	76.1	2011
6	69.6	1875	77.7	1931	67.4	1960	76.1	2012	67.5	1962	76.0	1931
7	69.7	1920	77.5	2020	67.5	2000	76.1	1931	67.5	1956	75.9	2020
8	69.9	2014	77.1	1988	67.6	1996	76.0	2016	67.8	1950	75.9	1955
9	69.9	1924	76.8	2016	68.3	2014	75.9	1936	67.9	2000	75.9	1936
10	69.9	1884	76.8	2019	68.3	1950	75.8	1933	68.2	1965	75.8	1988
11	70.2	2000	76.8	1999	68.4	2004	75.5	1987	68.4	2014	75.5	1934
12	70.3	1882	76.8	1901	68.4	1965	75.2	1988	68.4	1985	75.3	1933
13	70.4	1979	76.6	2010	68.6	1956	75.0	2019	68.5	2004	74.4	2019
14	70.4	1965	76.5	2002	68.6	1968	74.9	2002	68.6	1981	74.3	2010
15	70.4	1915	76.5	1952	68.6	1945	74.7	2020	68.6	1925	74.2	1930
16	70.4	1895	76.2	1949	69.0	1969	74.5	1949	68.7	1947	74.1	1983
17	70.6	1996	76.2	1935	69.1	1947	74.5	1939	68.8	1979	74.1	1937
18	70.6	1978	76.1	2006	69.2	1924	74.2	2010	68.8	1915	73.9	1987
19	70.7	1984	76.0	1987	69.4	1997	74.0	1983	69.1	1978	73.5	2006
20	70.7	1945	75.9	2018	69.4	1954	73.8	1977	69.1	1951	73.5	2002

* 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.

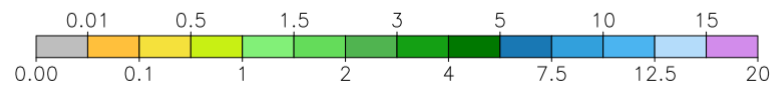
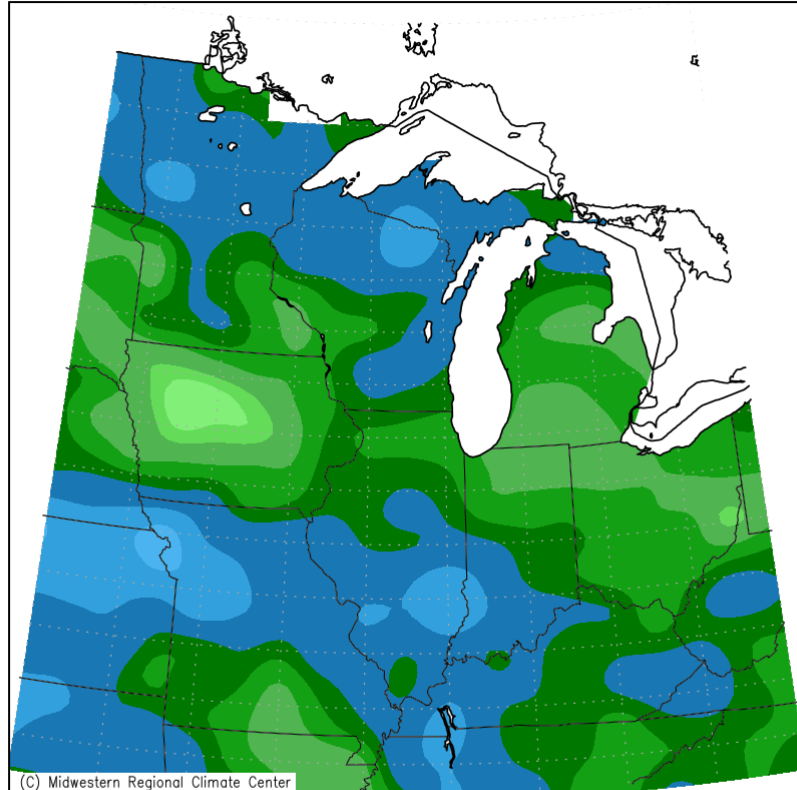
July 2020 – Regional Precipitation Summary

Weather Forecast Office
Detroit, MI



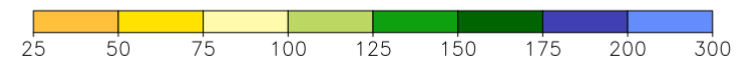
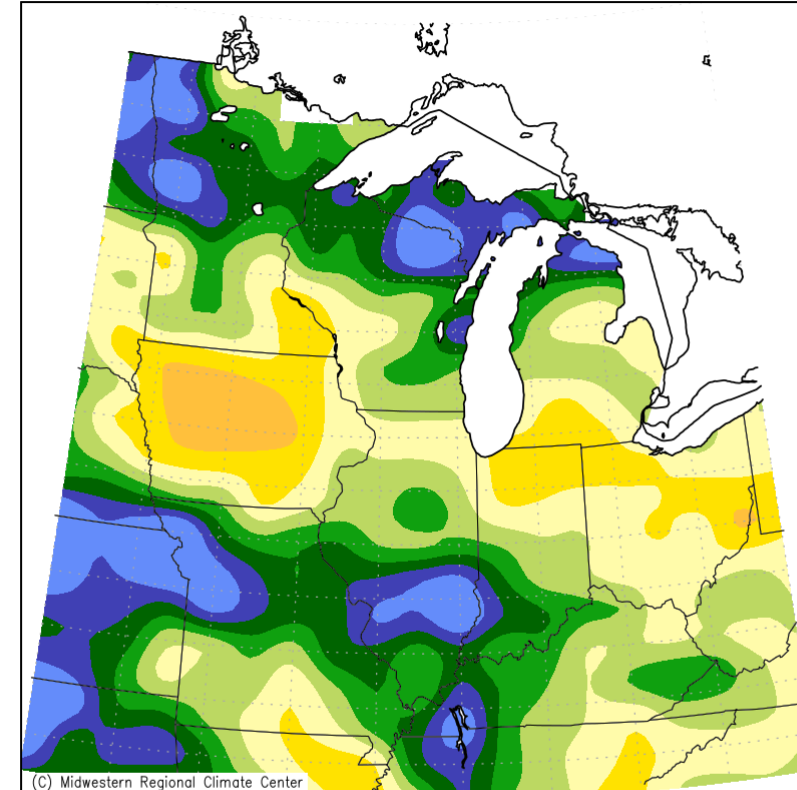
Total Monthly Precipitation (*left*) & Percent of Mean (*right*)

Accumulated Precipitation (in)
July 1, 2020 to July 31, 2020



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

Accumulated Precipitation: Percent of Mean
July 1, 2020 to July 31, 2020



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

July 2020 – 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
ANN ARBOR 2.1 WNW	3.29	6.64	6
ANN ARBOR 3.0 SE	1.26	4.01	6
ANN ARBOR 4.5 W	2.16	4.17	6
ANN ARBOR 7.1 W	1.87	3.97	7
ANN ARBOR MUNICIPAL AP	1.61	4.89	6
ANN ARBOR SE	1.28	4.08	8
ANN ARBOR U OF MICH	0.94	3.50	7
BAD AXE	1.21	2.90	11
BAD AXE 0.5 SSW	1.43	3.50	9
BAY PORT 3.2 SSW	0.93	3.20	11
BELLEVILLE 2.8 ESE	1.42	4.27	8
BLOOMFIELD TOWNSHIP 3.1 SW	1.15	2.10	3
CANTON 2.7 N	0.53	1.47	6
CARLETON 2.5 S	2.41	5.13	9
CARO WWTP	0.76	3.31	10
CASS CITY 1 SSW	0.95	3.37	9
CHELSEA	1.39	4.64	8
CHESTERFIELD 2.4 E	1.08	2.56	8
CLARKSTON 1.4 NE	1.74	3.77	8
CLIO 2.4 WNW	1.26	4.89	9
DAVISBURG 1.3 ESE	1.35	3.62	7
DAVISON 5.2 N	0.39	1.97	8
DEARBORN HEIGHTS 1.8 NW	0.89	2.77	8
DEARBORN NO. 2	1.63	3.87	7
DETROIT 4.4 S	1.81	4.37	8
DETROIT CITY AP	1.49	4.73	8
DETROIT METRO AIRPORT	2.05	5.02	5
DETROIT WILLOW RUN AP	1.90	2.26	5
DEXTER 0.3 ENE	1.92	4.90	6
DEXTER 2.2 SE	2.72	5.70	8

Location	Highest Daily Total	Monthly Total	# of Days with Precip
FARMINGTON	0.93	2.42	5
FARMINGTON HILLS 1.4 N	1.21	3.15	7
FENTON 2.7 SSE	1.00	2.14	6
FENTON 5.6 WSW	1.13	3.54	10
FENTON 6.2 WSW	1.04	2.64	6
FILION 5NNW	0.58	2.23	8
FLINT 7W	1.36	4.11	6
FLINT FCWOS	1.18	3.74	7
FRASER 1.2 N	2.30	5.23	8
GOODRICH	2.23	4.40	8
GRAND BLANC 2.9 SE	0.85	2.52	7
GROSSE ILE 1.6 N	1.43	4.28	10
HARBOR BEACH 1 SSE	0.48	1.67	10
HIGHLAND 1.3 NE	0.80	2.25	9
LAKE ORION 4.3 SSE	2.15	3.57	8
LAPEER 2W	0.70	3.25	9
LAPEER WWTP	0.73	3.06	8
LEXINGTON WATER PLANT	0.98	2.54	9
LINDEN WWTP	1.55	3.87	9
LIVONIA 2.0 NE	0.65	1.73	6
LIVONIA 2.3 NNW	0.78	1.73	6
MANCHESTER	1.38	3.24	9
MIDLAND	1.10	3.17	6
MIDLAND 1.5 NNE	1.37	2.69	8
MIDLAND 2.9 SW	1.08	3.73	9
MILAN WWTP	1.15	2.66	10
MONROE 3.0 S	1.27	2.11	8
MORENCI	1.38	2.60	8
NEW BALTIMORE 0.4 SSE	0.79	1.80	8

Location	Highest Daily Total	Monthly Total	# of Days with Precip
NEWPORT 4SSE	1.52	3.24	7
ORCHARD LAKE VILLAGE 0.9 WSW	0.70	1.81	8
ORTONVILLE 2.3 S	2.30	4.67	7
OTTAWA LAKE 1.4 SSW	0.79	2.15	8
OWOSSO WWTP	1.02	3.11	9
PLYMOUTH 5.4 W	0.61	2.05	6
PLYMOUTH 6.3 W	0.70	2.16	7
PONTIAC INTLAP	1.37	2.75	7
PONTIAC WWTP	2.40	3.52	9
PORT HOPE	0.60	1.79	12
PORT HURON	0.59	2.27	9
PORT HURON 1.6 W	0.89	2.47	7
RICHMOND 4 NNW	0.81	2.16	7
ROSEVILLE 1.7 ENE	3.54	5.40	8
SAGINAW 6.4 W	0.75	3.09	8
SAGINAW #3	1.03	3.38	8
SAGINAW MBS INTLAP	1.08	3.10	7
SALINE 3.8 SSW	0.71	2.33	9
SALINE 4SW	0.49	1.76	8
SHELBY 0.4 SSE	1.22	2.77	8
SHELBY 2.6 SW	0.94	2.19	8
SOUTH LYON 3.7 N	0.53	2.27	6
SOUTHFIELD 2.8 NNE	1.03	2.26	6
TIPTON 2WNW	1.59	2.38	4
TROY 1.8 S	2.59	3.63	6
UTICA 2.9 E	0.64	1.79	7
WATERFORD 2.1 NW	1.34	2.78	9
WATERFORD 2.6 N	1.86	3.27	8
WHITE LAKE 4E	0.74	2.27	7
WHITMORE LAKE 1NW	1.70	3.38	6
WYANDOTTE	2.62	5.72	8

July – Top 20 Wettest/Driest on Record

Weather Forecast Office
Detroit, MI



Top 20 Wettest/Driest Julys 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	8.76	1878	0.50	1930	9.35	1992	0.16	1939	6.83	1950	0.38	1930
2	7.66	2011	0.59	1974	8.55	2000	0.39	1930	6.42	1912	0.44	1939
3	7.55	1902	0.74	1918	7.92	1957	0.67	1931	6.38	1952	0.45	1989
4	7.03	1937	0.78	1924	7.73	1932	0.73	1978	5.63	1928	0.65	1968
5	6.99	1915	0.79	1911	6.43	2011	0.83	1944	5.33	1964	0.74	1948
6	6.94	1925	0.81	1936	6.03	1945	0.87	1954	5.31	1980	0.78	1987
7	6.22	1879	0.95	1984	5.92	1969	0.88	1946	5.19	1924	0.82	1916
8	6.02	1969	0.99	1916	5.76	2014	1.05	1933	5.09	1996	0.92	1984
9	6.01	1943	1.10	1955	5.61	1980	1.08	1934	4.83	1957	0.93	1978
10	5.98	1957	1.10	1946	5.55	1959	1.11	1940	4.75	1913	0.98	1941
11	5.96	2010	1.16	2001	5.43	2005	1.13	1998	4.70	1999	1.01	1965
12	5.94	1909	1.17	1940	5.13	1950	1.19	1960	4.47	1947	1.08	2013
13	5.94	1876	1.20	1956	4.77	1923	1.37	2018	4.45	2012	1.10	1921
14	5.91	1992	1.20	1944	4.56	1947	1.38	1963	4.43	1994	1.11	1954
15	5.74	1880	1.23	1991	4.55	1922	1.43	1943	4.25	1992	1.11	1935
16	5.72	1998	1.24	1926	4.53	1952	1.47	1926	4.25	1923	1.13	1933
17	5.50	1901	1.27	1959	4.44	1937	1.51	1966	4.19	1997	1.14	2004
18	5.40	2000	1.31	1887	4.26	2006	1.53	1955	4.19	1991	1.22	1918
19	5.39	1896	1.44	1960	4.22	1949	1.57	1929	4.03	2005	1.23	1931
20	5.38	2005	1.47	1990	4.13	1999	1.61	2001	3.82	1932	1.23	1929

* Detroit Area precipitation records date back to November 1874.

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

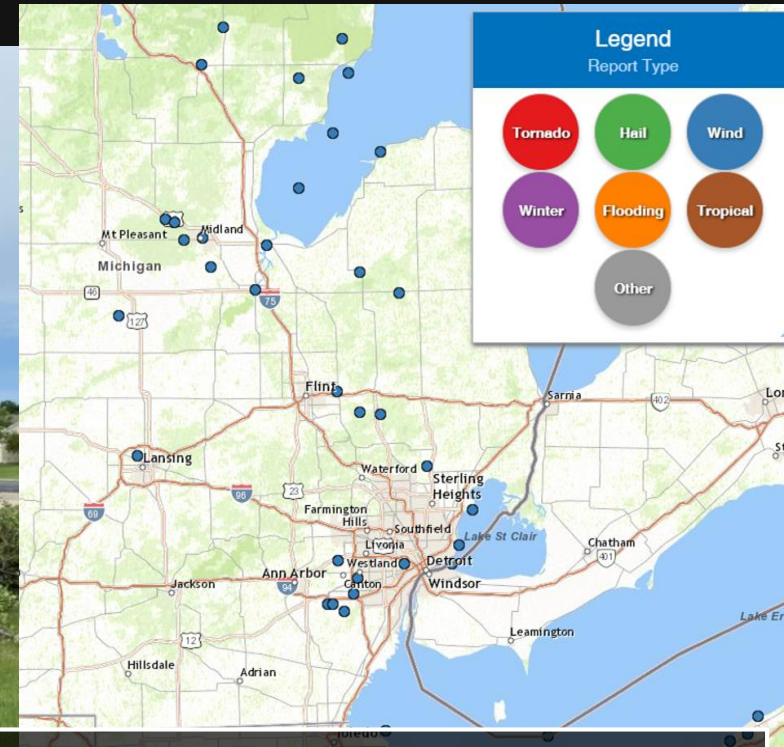
*** Saginaw Area precipitation records date back to January 1912.

July 2020 - Significant Weather Events

Weather Forecast Office
Detroit, MI



Follow links for web summaries



July 19 Severe Thunderstorms
weather.gov/dtx/SevereThunderstorms-07-19-2020



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)

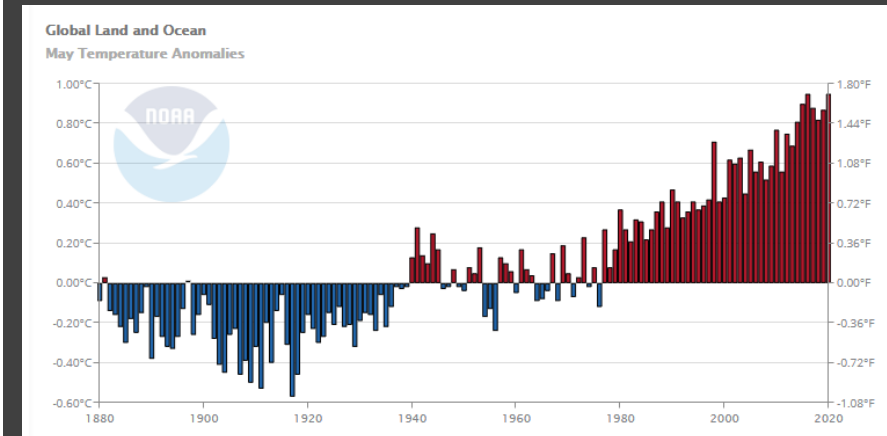
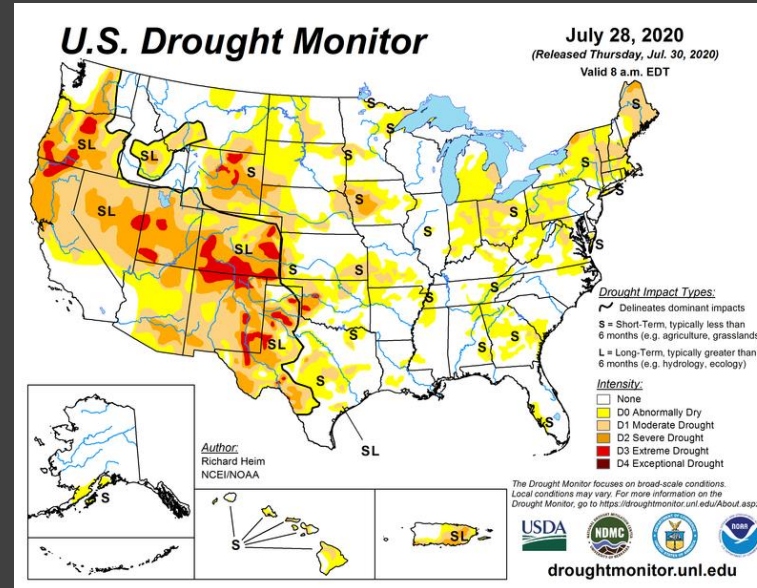
2. Location »
Detroit
Flint
Saginaw

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

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!