

Southeast Michigan Climate Summary

Monthly Temperature, Precipitation, and Severe Weather Summaries

Weather Forecast Office
Detroit, MI



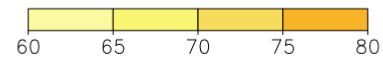
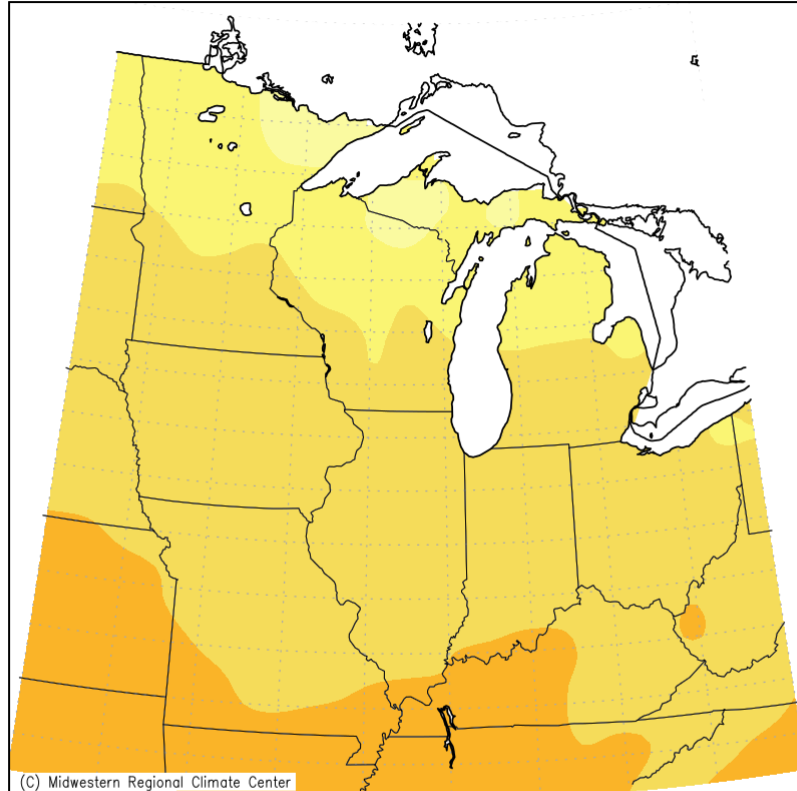
August 2020 – Regional Temperature Summary

Weather Forecast Office
Detroit, MI



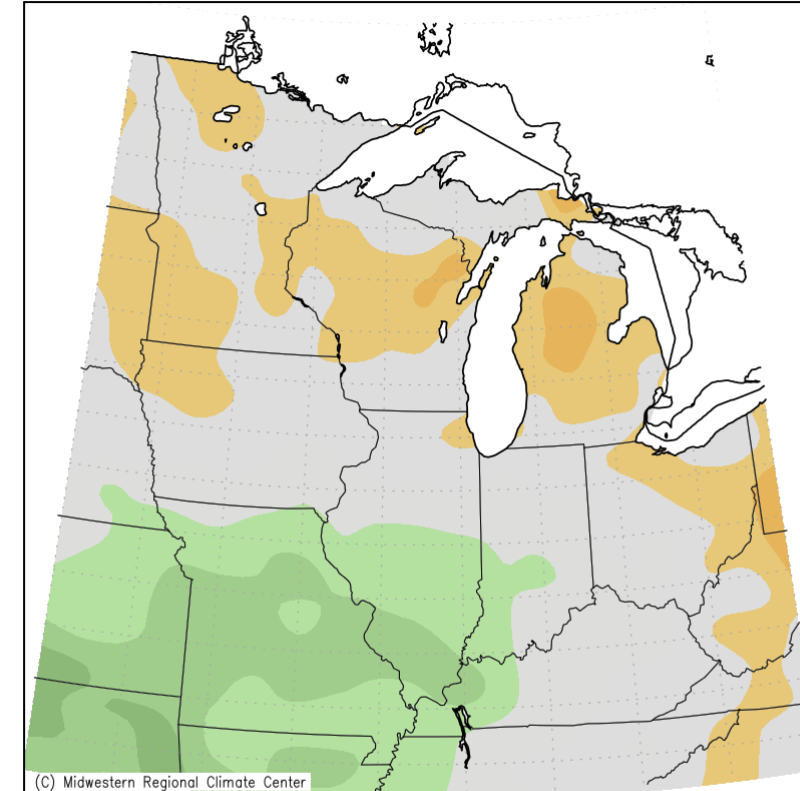
Average Temperature (left) & Departure from Average (right)

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

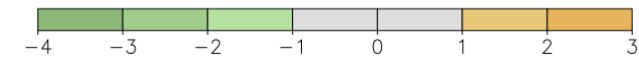


Midwestern Regional Climate Center
Illinois State Water Survey, Prairie Research Institute
University of Illinois at Urbana-Champaign

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



Mean period is 1981-2010.



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

August 2020 – 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
ADRIAN LENAWEE COUNTY AP	93	50	83.1	59.2	71.2
ALGONAC WWTP	93	51	84.2	60.1	72.2
ANN ARBOR MUNICIPAL AP	94	45	82.8	54.3	68.5
ANN ARBOR SE	93	50	83.0	58.5	70.8
ANN ARBOR U OF MICH	91	48	83.2	58.3	70.7
BAD AXE	89	50	80.1	59.5	69.8
BURTON 4N	91	49	82.2	57.3	69.7
CARO WWTP	91	50	82.0	59.1	70.5
CASS CITY 1 SSW	88	48	81.1	57.4	69.3
CHELSEA	91	50	82.1	59.4	70.7
DETROIT CITY AP	93	58	82.6	65.0	73.8
DETROIT METRO AIRPORT	94	56	83.5	63.6	73.5
DETROIT WILLOW RUN AP	95	52	85.5	61.1	73.3
DUNDEE	94	53	84.3	60.8	72.5
DURAND WWTP	92	49	82.9	58.7	70.8
FARMINGTON	91	52	82.3	59.5	70.9
FLINT 7W	89	50	80.5	58.9	69.7
FLINT FCWOS	90	47	81.3	57.6	69.4
GOODRICH	90	50	81.1	59.1	70.1
HARBOR BEACH 1 SSE	87	53	77.6	60.8	69.2
LAPEER 2W	89	49	81.4	59.2	70.3
LAPEER WWTP	91	51	82.0	59.4	70.7

Location	Highest Temp	Lowest Temp	Avg High	Avg Low	Monthly Avg
LEXINGTON WATER PLANT	88	53	78.5	60.2	69.4
LINDEN WWTP	88	50	80.5	58.3	69.4
MANCHESTER	93	51	83.2	59.0	71.1
MIDLAND	91	50	81.0	60.8	70.9
MILAN WWTP	93	53	83.5	61.2	72.5
MORENCI	94	47	84.6	56.9	70.8
NEWPORT 4SSE	95	51	81.4	61.5	71.5
OWOSSO WWTP	90	51	82.8	59.1	71.1
PONTIAC INTL AP	92	53	82.1	61.6	71.9
PONTIAC WWTP	92	53	82.3	62.0	72.2
PORT HOPE	89	53	78.0	63.4	70.7
PORT HURON	89	57	80.9	65.5	73.2
RICHMOND 4 NNW	92	52	81.3	60.5	70.9
SAGINAW #3	91	52	83.2	61.1	72.2
SAGINAW MBS INTL AP	93	50	82.7	61.0	71.9
TECUMSEH	97	48	85.3	55.5	70.4
TIPTON 2WNW	95	49	84.4	56.6	70.5
VASSAR	91	47	82.5	56.2	69.1
WHITE LAKE 4E	90	44	80.5	55.3	67.9
WHITMORE LAKE 1NW	89	50	80.2	57.9	69.0
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

August – Top 20 Coldest/Warmest on Record

Weather Forecast Office
Detroit, MI



Top 20 Coldest/Warmest Augusts 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	65.9	1915	77.1	1995	64.7	1967	76.0	1947	64.0	1915	75.1	1937
2	66.6	1992	76.7	2016	65.0	1997	75.5	2016	64.6	1992	74.8	1947
3	66.6	1927	76.5	1947	65.2	1992	74.8	1938	65.0	1982	74.1	1959
4	66.8	1885	76.3	1959	65.2	1964	74.2	1995	65.0	1977	74.1	1955
5	66.8	1875	75.8	2018	65.3	1963	74.2	1936	65.0	1950	73.7	1995
6	67.0	1890	75.7	1955	65.5	1927	73.7	2010	65.3	1979	73.7	1969
7	67.0	1883	75.5	1900	65.6	2004	73.7	1955	65.4	1946	73.4	2016
8	67.3	1967	75.2	2010	65.9	1994	73.3	1983	65.5	1997	73.3	2010
9	67.3	1912	75.0	1988	66.0	1957	73.3	1959	65.6	2004	73.1	1936
10	67.4	1903	74.9	1938	66.3	1986	73.0	1939	65.6	1986	72.9	1938
11	67.7	1982	74.8	2005	66.3	1966	72.6	1937	65.7	1964	72.6	2018
12	67.8	1897	74.8	1918	66.4	1999	72.6	1988	65.8	1963	72.5	1932
13	67.9	1979	74.6	1916	66.4	1946	72.6	1935	66.0	1951	72.4	1931
14	68.0	1907	74.5	1906	66.5	1924	72.2	1944	66.0	1912	72.3	1998
15	68.0	1902	74.4	1993	66.6	1982	71.9	2018	66.3	1999	72.3	1918
16	68.1	1997	74.3	1944	66.6	1951	71.9	1931	66.3	1923	72.1	1930
17	68.1	1904	74.2	1953	66.8	1979	71.8	1984	66.4	1924	72.0	1973
18	68.3	1946	74.2	1881	66.8	1950	71.7	1933	66.5	1972	71.9	1988
19	68.5	2004	74.1	2001	66.9	2017	71.6	1926	66.5	1927	71.9	2020
20	68.5	1887	73.9	1937	67.2	1985	71.5	1928	66.8	1994	71.9	1916

* 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.

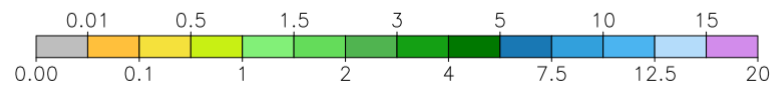
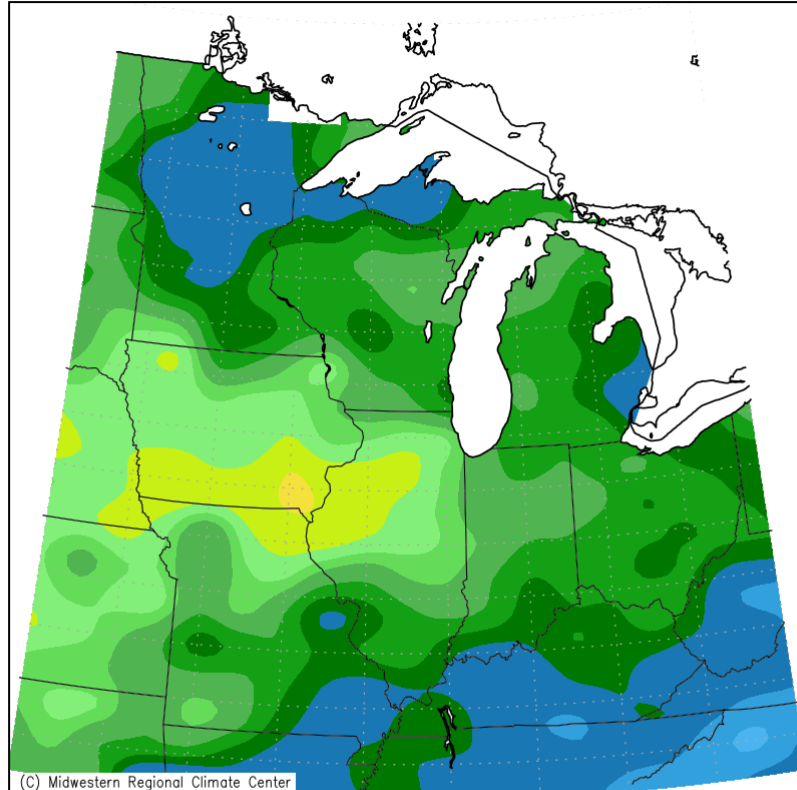
August 2020 – Regional Precipitation Summary

Weather Forecast Office
Detroit, MI



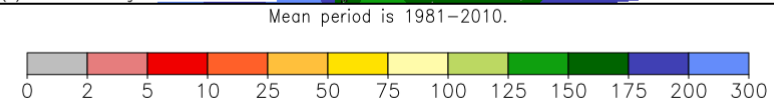
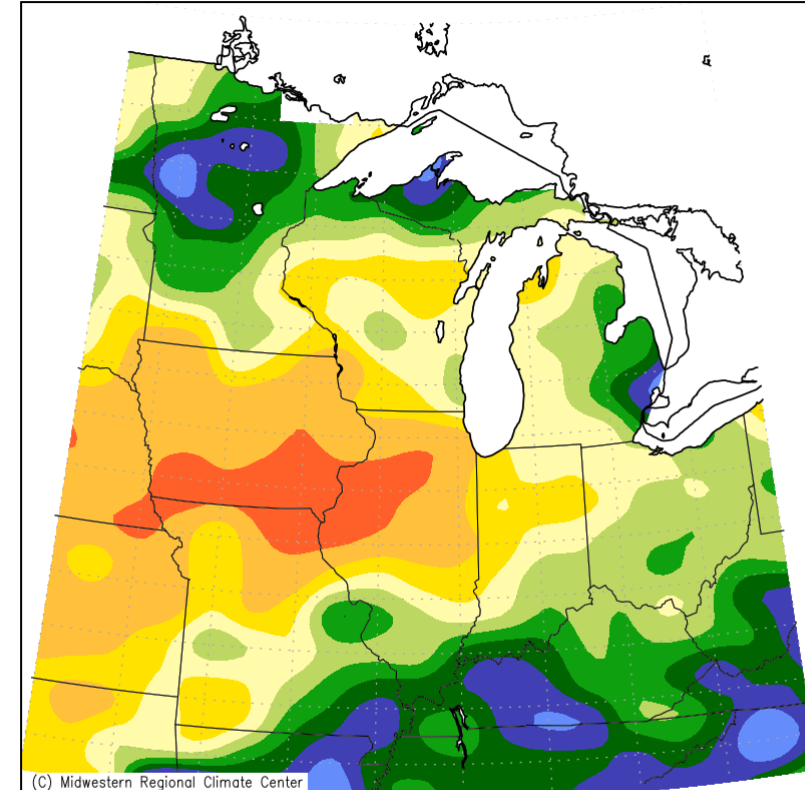
Total Monthly Precipitation (left) & Percent of Mean (right)

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



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

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



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

August 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	Location	Highest Daily Total	Monthly Total	# of Days with Precip	Location	Highest Daily Total	Monthly Total	# of Days with Precip
ADRIAN LENAWEE COUNTY AP	1.57	3.28	6	DEXTER 2.2 SE	2.59	4.47	10	NEWPORT 4SSE	0.90	1.80	5
ALGONAC WWTP	1.60	5.48	9	DURAND 6.2 WNW	1.55	5.18	10	ORTONVILLE 2.3 S	1.67	3.86	9
ANN ARBOR 2.1 WNW	2.66	3.94	9	DURAND WWTP	2.00	5.61	12	OWOSSO WWTP	4.17	8.29	9
ANN ARBOR 3.1 SE	2.03	3.70	6	FARMINGTON	1.96	6.89	9	PLEASANT RIDGE 0.5 WNW	1.41	4.45	12
ANN ARBOR 4.5 W	2.28	3.33	9	FARMINGTON HILLS 1.4 N	2.30	6.34	9	PLYMOUTH 5.4 W	1.76	5.03	8
ANN ARBOR 7.1 W	2.25	3.29	7	FENTON 2.7 SSE	1.55	4.78	11	PONTIAC INTL AP	0.82	3.04	8
ANN ARBOR MUNICIPAL AP	2.12	4.33	7	FENTON 6.2 WSW	0.98	4.46	9	PONTIAC WWTP	1.22	4.83	11
ANN ARBOR SE	2.77	4.96	8	FILION 5NNW	7.92	11.06	12	PORT HOPE	1.73	5.34	17
ANN ARBOR U OF MICH	1.53	5.01	8	FLAT ROCK 0.7 NNW	1.22	2.92	9	PORT HURON	2.45	6.90	9
BAD AXE	2.30	4.86	12	FLINT 7W	0.94	4.02	10	PORT HURON 1.6 W	3.08	8.14	12
BAD AXE 0.5 SSW	2.10	4.25	9	FLINT FCWOS	1.92	4.17	8	PORT HURON 2.8 WSW	2.50	6.92	9
BAY PORT 3.2 SSW	3.15	7.07	13	GOODRICH	1.26	4.28	10	RICHMOND 4 NNW	1.52	3.74	8
BELLEVILLE 2.8 ESE	3.25	5.66	10	GRAND BLANC 2.9 SE	1.35	4.34	11	ROSEVILLE 1.7 ENE	1.33	5.32	7
BLOOMFIELD TOWNSHIP 3.1 SW	1.38	4.84	8	GROSSE ILE 1.6 N	1.94	3.74	6	SAGINAW 6.4 W	1.00	3.14	13
BURTON 4N	1.00	4.56	11	HARBOR BEACH 1 SSE	2.63	5.58	13	SAGINAW #3	0.94	3.40	12
CARLETON 2.5 S	1.20	2.37	10	HIGHLAND 1.3 NE	0.96	3.67	8	SAGINAW MBS INTL AP	1.64	3.17	11
CARO WWTP	0.60	3.21	9	LAKE ORION 4.3 SSE	2.32	5.02	10	SALINE 3.8 SSW	1.74	2.87	7
CASS CITY 1 SSW	1.68	3.33	10	LAPEER 2W	0.95	4.31	10	SHELBY 0.4 SSE	3.50	6.73	10
CHELSEA	1.40	4.47	7	LAPEER WWTP	2.05	5.48	11	SOUTH LYON 3.7 N	1.45	4.40	6
CHESANING	1.04	5.18	11	LEXINGTON WATER PLANT	1.50	5.22	9	TIPTON 2WNW	0.84	1.98	5
CHESTERFIELD 2.4 E	1.62	4.94	10	LINDEN WWTP	1.98	5.15	10	TROY 1.8 S	1.85	4.77	11
DAVISBURG 1.3 ESE	1.65	5.42	10	LIVONIA 2.0 NE	1.94	7.00	10	UTICA 2.9 E	2.86	6.71	9
DAVISON 5.2 N	0.41	2.05	9	LIVONIA 2.2 WNW	1.74	6.13	9	VASSAR	0.83	3.27	10
DEARBORN HEIGHTS 1.8 NW	2.01	6.12	10	MANCHESTER	1.55	2.82	8	WATERFORD 2.6 N	2.20	5.30	9
DETROIT 4.4 S	2.95	9.16	12	MIDLAND	1.47	3.93	10	WHITE LAKE 0.5 E	1.44	3.86	9
DETROIT CITY AP	2.19	5.72	9	MIDLAND 1.5 NNE	1.69	4.64	10	WHITE LAKE 4E	2.01	4.34	8
DETROIT METRO AIRPORT	2.83	5.99	9	MIDLAND 2.9 SW	0.58	3.12	11	WHITMORE LAKE 1NW	1.60	5.23	9
DETROIT WILLOW RUN AP	2.32	5.64	7	MONROE 3.0 S	1.30	2.53	5	WYANDOTTE	2.60	7.47	11
				NEW BALTIMORE 0.4 SSE	1.69	4.52	9	YPSILANTI 2.3 E	1.81	3.35	8

August – Top 20 Wettest/Driest on Record

Weather Forecast Office
Detroit, MI



Top 20 Wettest/Driest Augusts 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	8.33	1926	0.16	1894	11.18	1937	0.32	2010	9.43	2012	0.27	1927
2	7.83	1975	0.19	1889	11.04	1975	0.41	1927	9.04	1995	0.63	1969
3	7.51	1940	0.27	2008	8.68	1956	0.45	1969	9.01	1975	0.68	1957
4	7.29	1877	0.43	1996	7.69	2018	0.54	1930	8.02	2018	0.68	1930
5	7.07	1959	0.52	1929	6.93	1961	0.65	1929	7.15	1914	0.81	1954
6	6.87	1987	0.59	2010	5.86	1921	0.68	1996	6.73	2007	0.93	1982
7	6.61	2007	0.60	1902	5.56	1989	0.81	1976	6.72	1987	1.00	2003
8	6.53	1956	0.62	1907	5.47	2009	0.93	2005	6.25	1940	1.00	1929
9	6.32	2014	0.62	1899	5.35	1968	1.08	1931	5.95	1913	1.04	1935
10	6.09	1980	0.72	1982	5.29	1986	1.19	1957	5.88	2016	1.13	1933
11	6.04	1875	0.84	1931	5.28	1942	1.26	1948	5.66	1955	1.15	1984
12	5.99	2020	0.90	1930	5.26	1959	1.38	1962	5.51	1938	1.25	1916
13	5.98	2013	0.90	1883	5.09	2007	1.51	2002	5.50	2015	1.29	1996
14	5.87	1964	1.06	1969	5.03	1987	1.54	2001	5.46	1981	1.30	1971
15	5.62	2016	1.06	1927	4.94	1926	1.62	1971	5.34	1926	1.37	2005
16	5.51	1880	1.07	1936	4.90	2016	1.64	1938	5.28	1915	1.37	1980
17	5.27	1888	1.11	1910	4.83	1995	1.65	1936	5.19	1977	1.41	1948
18	5.12	1961	1.12	1943	4.57	1972	1.76	1973	5.18	1972	1.43	1934
19	5.05	1885	1.20	2018	4.55	1965	1.76	1928	5.05	1956	1.46	1970
20	5.03	1966	1.29	1918	4.52	1940	1.81	1923	4.94	1991	1.51	1998

* 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.

August 2020 - Significant Weather Events

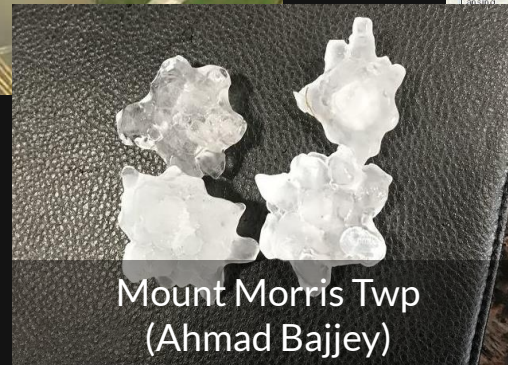
Weather Forecast Office
Detroit, MI



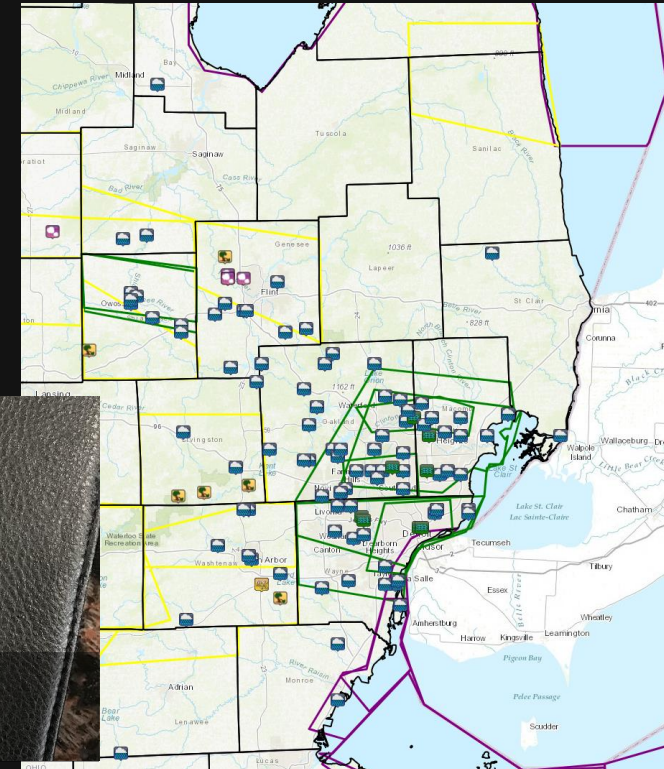
Follow links for web summaries



Royal Oak
(WDIV)



Mount Morris Twp
(Ahmad Bajjey)



August 28-29 Severe Storms / Heavy Rain
weather.gov/dtx/HeavyRainSevereStorms-08-28-29-2020



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)

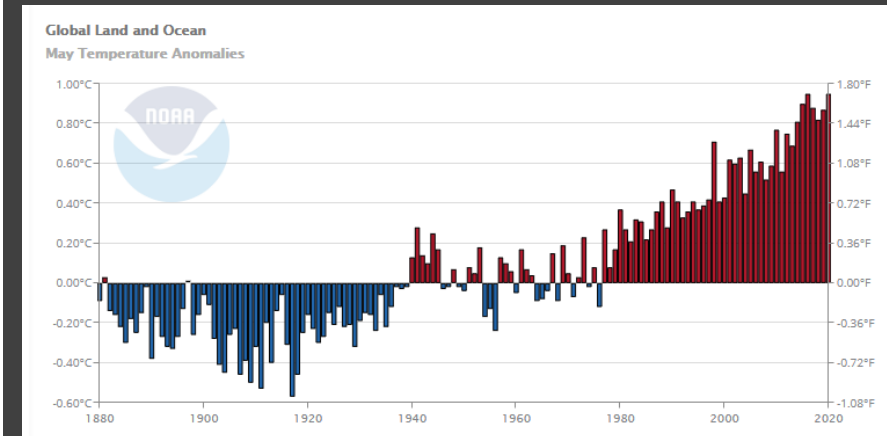
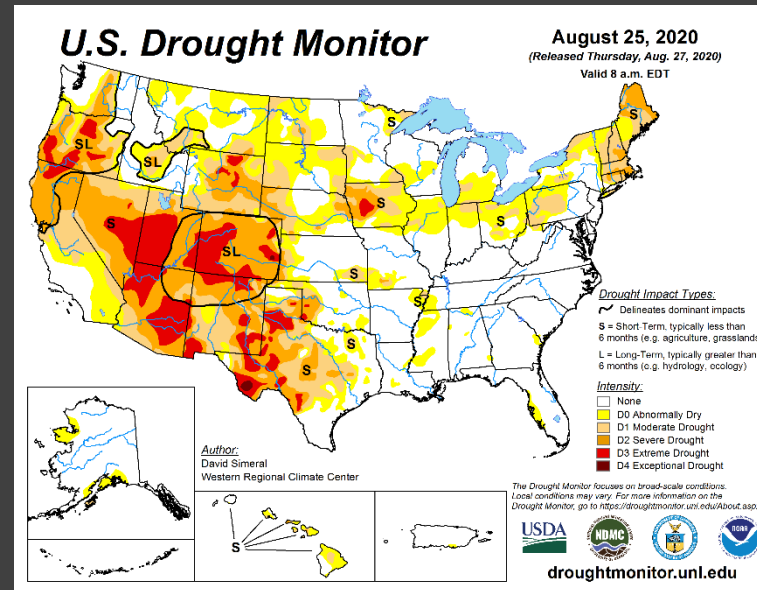
2. Location »
Detroit
Flint
Saginaw

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!