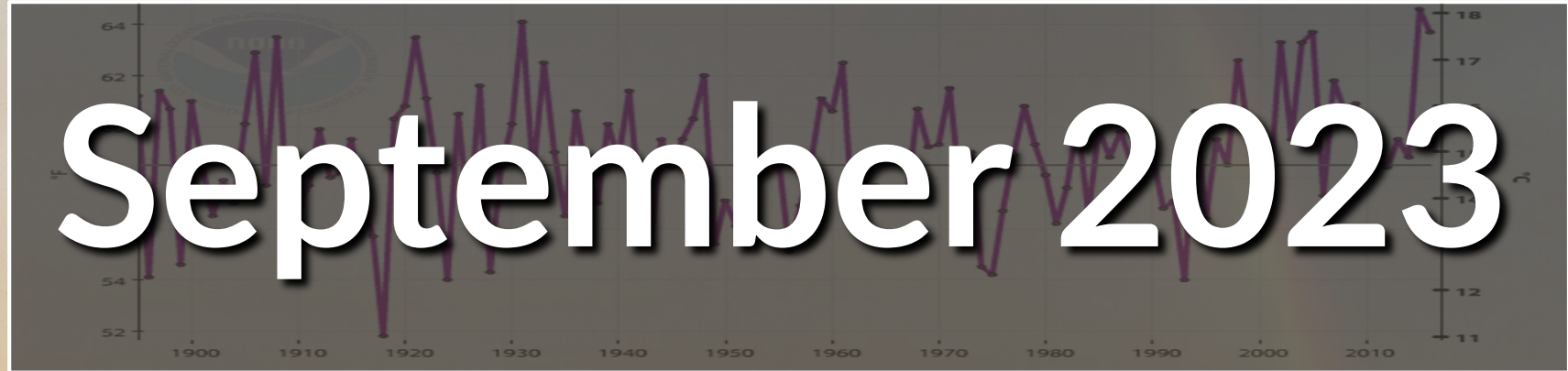




September 2023



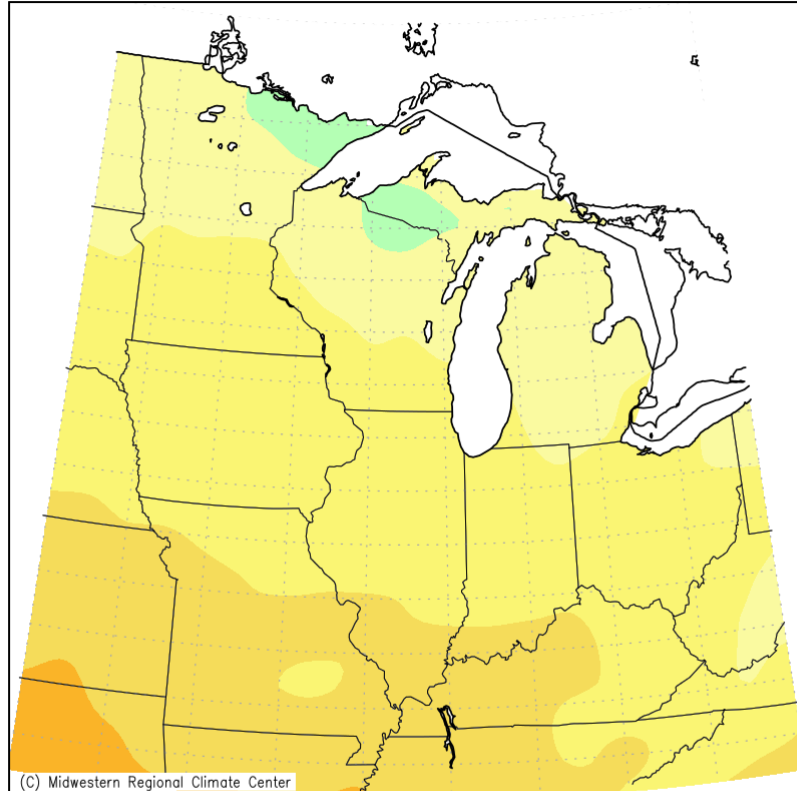
September 2023 – Regional Temperature Summary

Weather Forecast Office
Detroit, MI



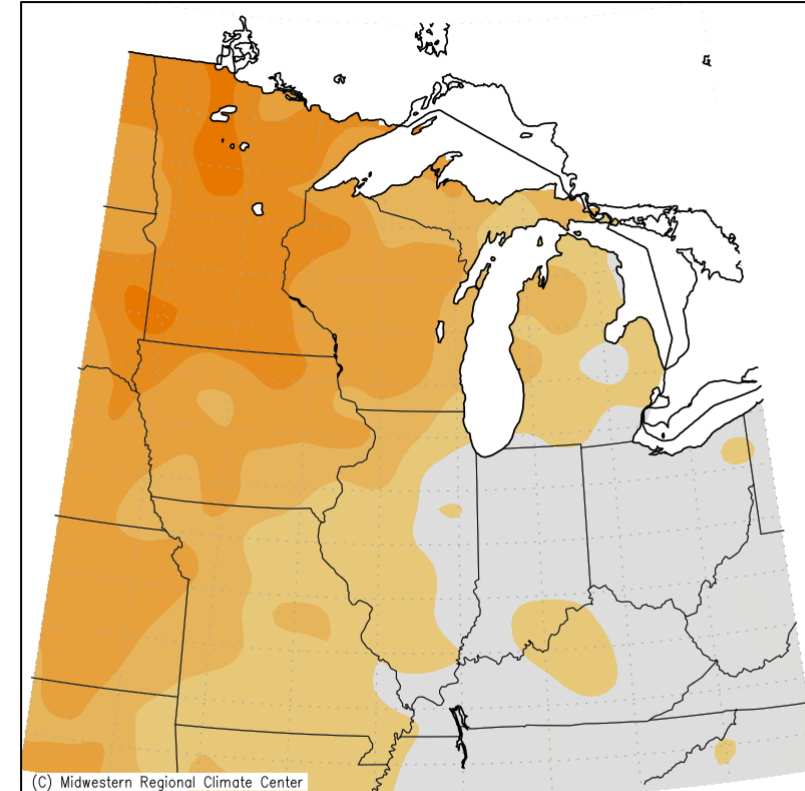
Average Temperature (left) & Departure from Average (right)

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

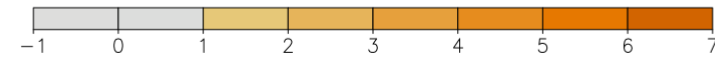


Midwestern Regional Climate Center
Purdue University

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



Mean period is 1991–2020.



Midwestern Regional Climate Center
Purdue University

September 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	90	43	74.8	55.0	64.9	GOODRICH	88	45	71.9	53.5	62.7
ADRIAN LENAWEE CO AP	92	43	76.0	55.5	65.8	GROSSE POINTE FARMS	94	47	74.3	58.7	66.5
ALGONAC WWTP	92	45	76.5	54.0	65.2	HARBOR BEACH 1 SSE	89	46	71.2	55.3	63.3
ANN ARBOR MNCPL AP	88	39	73.9	51.4	62.7	LAPEER 2W	91	42	73.2	53.0	63.1
ANN ARBOR SE	89	42	74.3	52.8	63.6	LAPEER WWTP	91	44	73.9	53.4	63.7
ANN ARBOR U OF MICH	89	40	74.9	53.0	64.0	LEXINGTON WATER PLANT	89	47	72.2	56.2	64.2
BAD AXE	90	44	72.1	53.6	62.9	MANCHESTER	90	44	74.7	51.7	63.2
BURTON 4N	89	42	72.5	52.2	62.4	MIDLAND	86	41	69.6	52.4	61.0
CARO WWTP	90	44	73.4	52.4	62.9	OIL CITY 2S	87	40	70.6	50.4	60.5
CASS CITY 1 SSW	89	42	72.3	51.9	61.9	OWOSSO WWTP	90	45	72.6	53.1	62.9
CHELSEA	91	42	74.1	53.7	63.9	PONTIA INTL AP	89	48	72.7	55.3	64.0
DEARBORN	89	46	74.1	56.1	65.1	PONTIAC WWTP	90	48	73.7	55.8	64.7
DEARBORN NO. 2	89	50	75.0	58.3	66.6	PORT AUSTIN WWTP	88	44	69.9	54.0	61.9
DETROIT CITY AP	92	50	76.4	60.4	68.4	PORT HOPE	90	48	71.8	58.9	65.4
DETROIT METRO AIRPORT	89	48	74.6	57.9	66.3	PORT HURON	90	48	72.9	59.0	66.0
DETROIT WILLOW RUN AP	89	44	75.2	55.3	65.3	RICHMOND 4 NNW	90	43	74.1	53.4	63.8
DUNDEE	91	42	76.0	54.8	65.4	SAGINAW #3	90	46	73.9	54.1	64.0
DURAND WWTP	89	43	72.9	52.8	62.8	SAGINAW MBS INTL AP	90	47	73.5	55.7	64.6
FARMINGTON	91	45	73.8	53.9	63.9	SALINE 4SW	91	43	76.1	53.7	64.9
FILION 5NNW	89	47	72.8	56.6	64.7	WHITE LAKE 4E	90	42	73.3	51.7	62.5
FLINT 7W	87	43	72.2	52.5	62.4	WHITMORE LAKE 1NW	89	44	73.6	53.9	63.7
FLINT FCWOS	89	43	73.5	54.2	63.8						

September – Top 20 Coldest/Warmest on Record

Weather Forecast Office
Detroit, MI



Top 20 Coldest/Warmest Septembers 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	57.4	1918	72.2	1881	55.4	1924	69.2	1933	54.9	1918	69.0	1931
2	58.6	1879	69.8	1931	56.3	1993	68.1	1931	56.4	1924	68.0	1933
3	59.1	1975	69.5	1921	57.3	1975	68.0	2015	56.7	1993	67.6	2015
4	59.1	1876	69.3	2015	57.4	1966	66.6	2019	56.8	1949	66.8	1921
5	59.2	1883	68.9	2018	57.4	1949	66.6	2002	56.9	1956	66.2	1961
6	59.4	1924	68.9	2002	57.5	1956	66.6	1934	57.0	1943	66.2	1927
7	59.6	1896	68.8	1961	57.7	1981	66.2	1921	57.3	1975	65.9	2005
8	59.6	1949	68.6	2019	57.8	1962	66.1	1961	57.4	1981	65.9	1998
9	59.6	1974	68.6	1908	58.0	1967	65.9	1927	58.5	1991	65.6	2017
10	59.6	1890	68.5	1933	58.5	1995	65.6	1939	58.5	1962	65.6	2016
11	59.7	1899	68.4	2005	58.6	1928	65.4	1978	58.7	1935	65.5	1971
12	59.9	1875	68.4	1906	58.7	2006	65.3	1998	58.8	1917	65.4	2019
13	60.0	1888	68.2	2016	58.8	1963	65.1	2005	58.9	1951	65.3	1930
14	60.1	1887	68.0	1998	58.9	1974	65.1	1930	58.9	1950	65.2	1936
15	60.3	1967	67.9	1891	59.1	1957	65.1	1925	59.0	1938	65.1	2018
16	60.4	1956	67.9	1884	59.3	2001	65.0	1936	59.0	1928	64.7	1948
17	60.7	1928	67.5	1978	59.3	1937	64.8	2016	59.1	2006	64.6	2023
18	60.8	1981	67.5	1941	59.4	2020	64.8	1983	59.3	1984	64.6	2004
19	61.0	1993	67.5	1898	59.5	1943	64.8	2018	59.3	2000	64.5	2002
20	61.2	1984	67.4	2004	59.6	1991	64.8	1971	59.3	1992	64.4	1941

* 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.

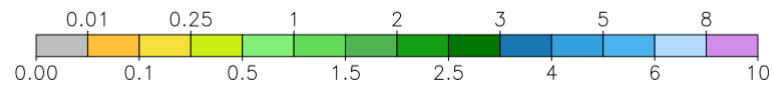
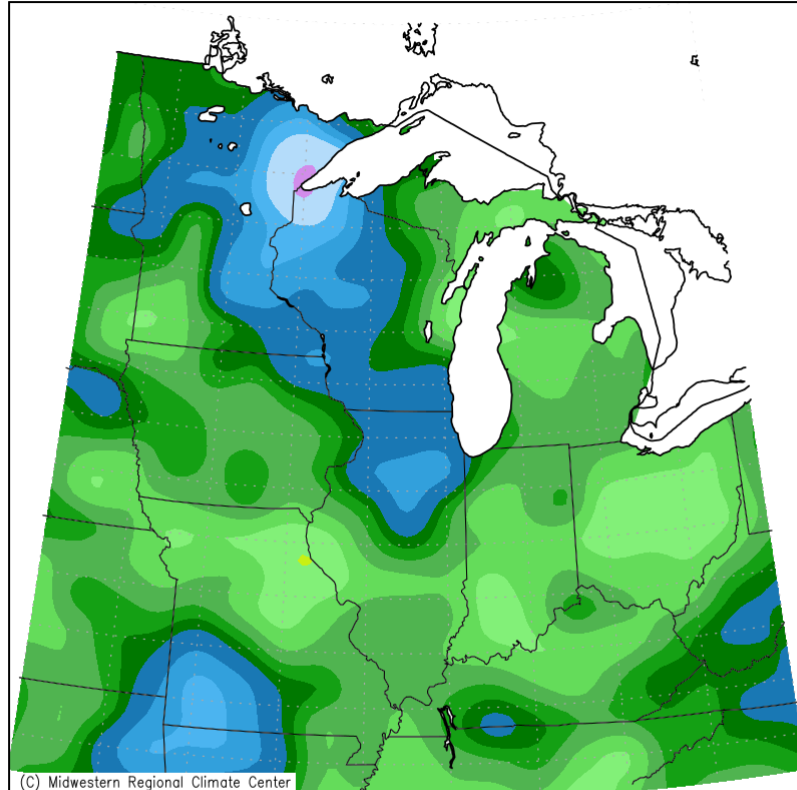
September 2023 – Regional Precipitation Summary

Weather Forecast Office
Detroit, MI



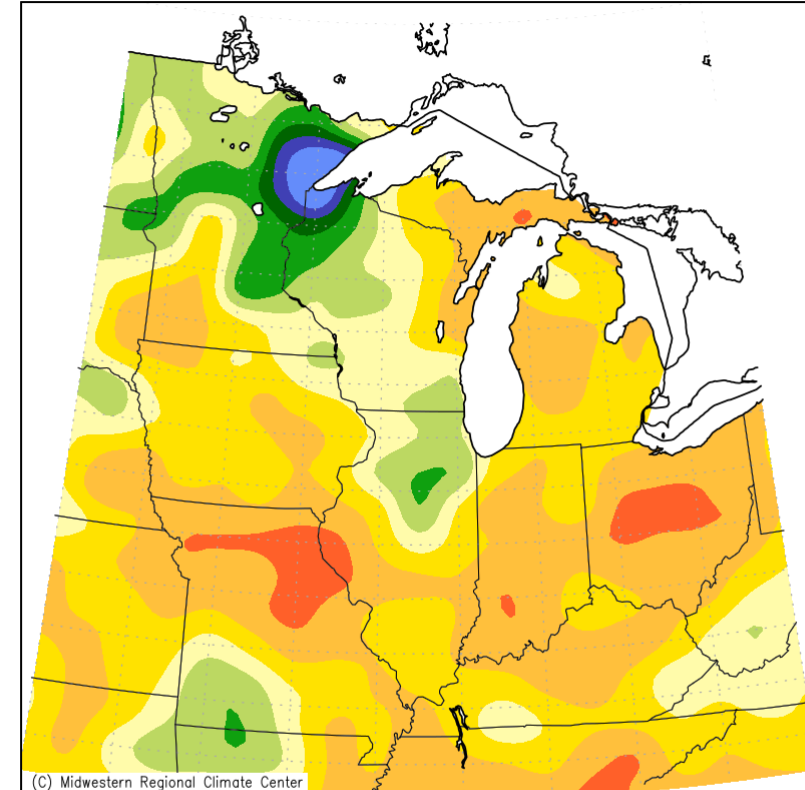
Total Monthly Precipitation (*left*) & Percent of Mean (*right*)

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



Midwestern Regional Climate Center
Purdue University

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



Mean period is 1991–2020.



Midwestern Regional Climate Center
Purdue University

September 2023 – 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 2 NNE	0.65	1.73	10	DETROIT 4.4 S	0.41	0.81	5	MIDLAND 4.7 SSE	0.32	1.32	10
ADRIAN LENAWEE CO AP	0.89	1.85	9	DETROIT CITY AP	0.38	0.87	6	MILFORD 4.3 ESE	0.98	2.59	9
ANN ARBOR 6.4 NNE	0.81	1.30	8	DETROIT METRO AIRPORT	0.64	2.28	10	MONROE 3.0 S	1.62	4.05	8
ANN ARBOR 7.1 W	0.88	1.64	8	DETROIT WILLOW RUN AP	0.52	1.63	10	OIL CITY 2S	0.30	0.60	7
ANN ARBOR MNCPL AP	0.72	1.78	8	DEXTER 2.2 SE	0.95	2.48	9	OWOSSO WWTP	1.02	1.86	9
ANN ARBOR SE	1.12	1.79	8	DURAND 6.2 WNW	0.77	1.63	9	PLYMOUTH 5.4 W	0.70	1.79	8
ANN ARBOR U OF MICH	0.92	1.96	10	DURAND WWTP	0.67	1.24	9	PLYMOUTH 6.3 W	0.77	1.67	10
BAD AXE	0.33	1.66	12	EASTPOINTE 1.2 SSW	0.53	1.16	7	PONTIAC INTL AP	0.68	2.16	9
BAY PORT 3.2 SSW	0.34	0.99	11	FARMINGTON	1.09	2.17	8	PONTIAC WWTP	0.82	2.26	9
BELLEVILLE 2.8 ESE	0.59	1.59	9	FENTON 2.7 SSE	0.76	2.20	11	PORT HOPE	0.59	1.83	7
BERKLEY 0.6 N	0.89	1.84	7	FENTON 5.6 WSW	0.87	1.90	9	PORT HURON	1.52	3.22	11
BLOOMFIELD TWP 2.9 E	0.76	2.19	10	FENTON 6.2 WSW	0.78	1.65	7	PORT HURON 1.6 W	1.22	3.63	12
BLOOMFIELD TWP 3.1 SW	0.70	1.94	8	FILION 5NNW	1.57	2.62	11	RICHMOND 4 NNW	1.35	3.55	9
BURTON 4N	0.74	1.80	10	FLINT FCWOS	0.51	1.11	9	ROSEVILLE 1.7 ENE	0.41	0.81	4
CANTON 2.7 N	0.55	1.57	10	FRASER 1.2 N	0.53	1.22	9	SAGINAW #3	0.49	2.16	12
CARLETON 2.5 S	0.78	1.81	7	GOODRICH	0.50	1.62	9	SAGINAW MBS INTL AP	0.37	1.10	9
CARO WWTP	0.35	0.91	10	GROSSE ILE 1.6 N	0.37	1.07	6	SALINE 3.8 SSW	1.09	2.09	8
CASS CITY 1 SSW	0.32	1.08	8	GROSSE POINTE FARMS	0.45	0.97	5	SALINE 4SW	1.07	2.22	9
CHELSEA	1.02	2.07	8	HARBOR BEACH 1 SSE	0.66	1.24	6	SOUTH LYON 2.6 SW	0.78	2.28	6
CHELSEA 3.7 NNE	1.09	2.52	8	HIGHLAND 1.3 NE	1.21	3.09	12	ST CHARLES 5.0 W	0.43	1.45	11
CHESANING	1.07	2.23	10	HOWELL 3.7 WSW	0.67	1.92	8	ST CLAIR SHORES 2.5 N	0.56	1.11	8
CHESTERFIELD 2.4 E	0.64	1.87	10	LAPEER 2W	0.86	2.05	11	STERLING HGHTS 2.2 NNE	0.48	1.74	10
CLARKSTON 1.4 NE	1.39	3.34	9	LAPEER WWTP	0.56	1.78	11	WATERFORD 1.1 NE	1.04	2.47	11
DAVISBURG 1.3 ESE	0.98	3.07	11	LEXINGTON WATER PLANT	1.04	3.11	11	WHITE LAKE 0.5 E	1.01	2.86	10
DAVISON 5.2 N	0.47	0.87	5	LIVONIA 2.3 NNW	0.65	1.72	7	WHITE LAKE 4E	1.00	2.96	9
DEARBORN	0.83	1.70	7	MANCHESTER	0.49	1.51	7	WHITMORE LAKE 1NW	1.22	3.00	6
DEARBORN HGHTS 1.8 NW	0.93	1.41	6	MIDLAND	0.31	1.31	8	WYANDOTTE	0.62	1.80	7
DEARBORN NO. 2	0.78	1.57	6	MIDLAND 1.5 NNE	0.50	1.26	8				

September – Top 20 Wettest/Driest on Record

Weather Forecast Office
Detroit, MI



Top 20 Wettest/Driest Septembers 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	7.52	1986	0.39	1877	10.86	1986	0.29	2002	16.16	1986	0.41	2002
2	6.71	2000	0.56	1908	8.68	1950	0.32	1979	8.15	1945	0.44	2017
3	6.50	1902	0.56	1889	8.64	2008	0.33	1969	7.49	1981	0.73	2004
4	6.46	2018	0.58	1956	8.29	1985	0.54	1955	6.02	1985	0.80	1948
5	6.28	2016	0.62	1995	7.65	1981	0.61	2013	5.80	1997	0.83	1969
6	6.28	2011	0.65	2004	6.61	1947	0.63	1991	5.74	1983	0.83	1956
7	6.24	1879	0.67	1874	6.24	2000	0.66	1956	5.66	1987	0.84	1917
8	6.06	1990	0.68	1969	5.95	1933	0.76	2004	5.64	1977	0.91	1991
9	5.99	2008	0.75	1909	5.62	2021	0.84	2017	5.61	1970	1.03	2013
10	5.90	1936	0.78	1960	5.57	1987	0.94	1957	5.53	1996	1.09	2009
11	5.67	1926	0.81	1941	5.47	2005	1.05	1995	5.50	1978	1.09	1920
12	5.55	1992	0.90	1991	5.14	1945	1.11	2023	5.33	1950	1.10	2023
13	5.55	1961	0.91	2017	4.99	1932	1.18	2009	5.12	2005	1.24	1955
14	5.47	1981	0.94	1979	4.88	1934	1.19	1953	4.91	1957	1.33	1989
15	5.43	2021	0.99	2022	4.79	1925	1.28	1998	4.87	1988	1.37	1940
16	4.71	2014	1.02	1897	4.75	1980	1.40	1941	4.84	1965	1.42	1938
17	4.69	1959	1.15	1895	4.70	1936	1.46	2007	4.80	1942	1.50	1972
18	4.64	1921	1.18	1913	4.66	1993	1.49	1938	4.77	1922	1.51	1916
19	4.54	1925	1.20	2013	4.59	1977	1.59	1946	4.59	1927	1.51	1914
20	4.47	1915	1.26	1888	4.57	1978	1.61	1928	4.55	2008	1.55	1976

* 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.

September 2023 – Significant Weather Events

Follow links for web summaries

Weather Forecast Office
Detroit, MI



No Significant Events in September



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

Product

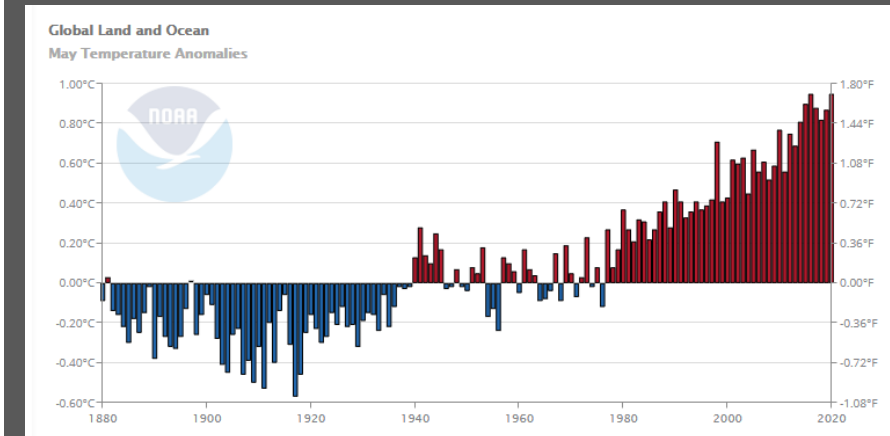
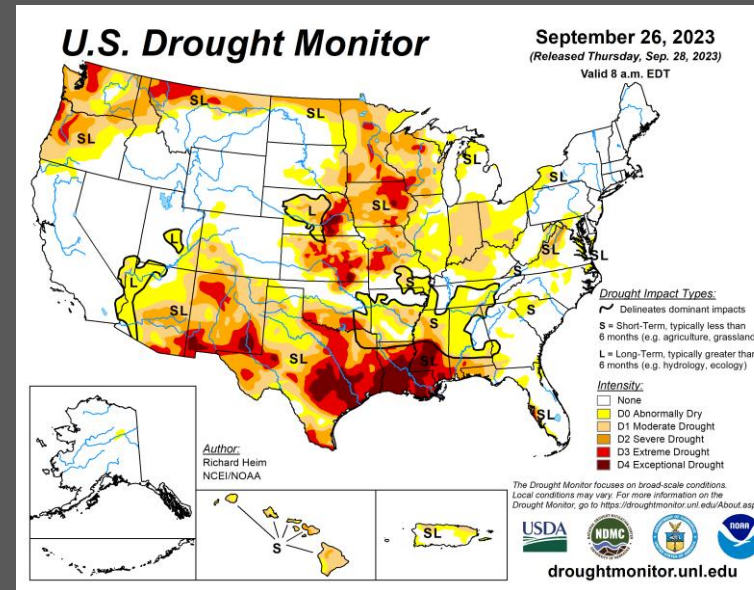
- Daily data for a month
- Daily almanac
- Monthly summarized data
- Calendar day summaries
- Daily/monthly normals
- Climatology for a day
- First/last dates
- Temperature graphs
- Accumulation graphs

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

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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/

Thank you to our COOP and CoCoRaHS volunteer weather observers!