

Southeast Michigan Climate Summary

Monthly Temperature, Precipitation, Snowfall, and Severe Weather Summaries

Weather Forecast Office
Detroit, MI



November 2020



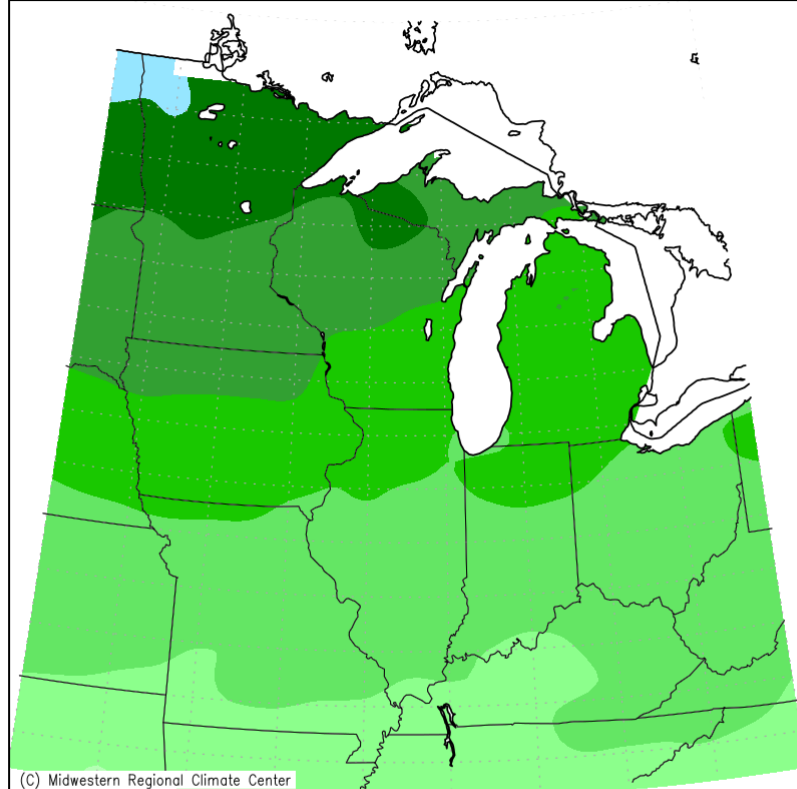
November 2020 – Regional Temperature Summary

Weather Forecast Office
Detroit, MI



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

Average Temperature (°F)
November 1, 2020 to November 30, 2020

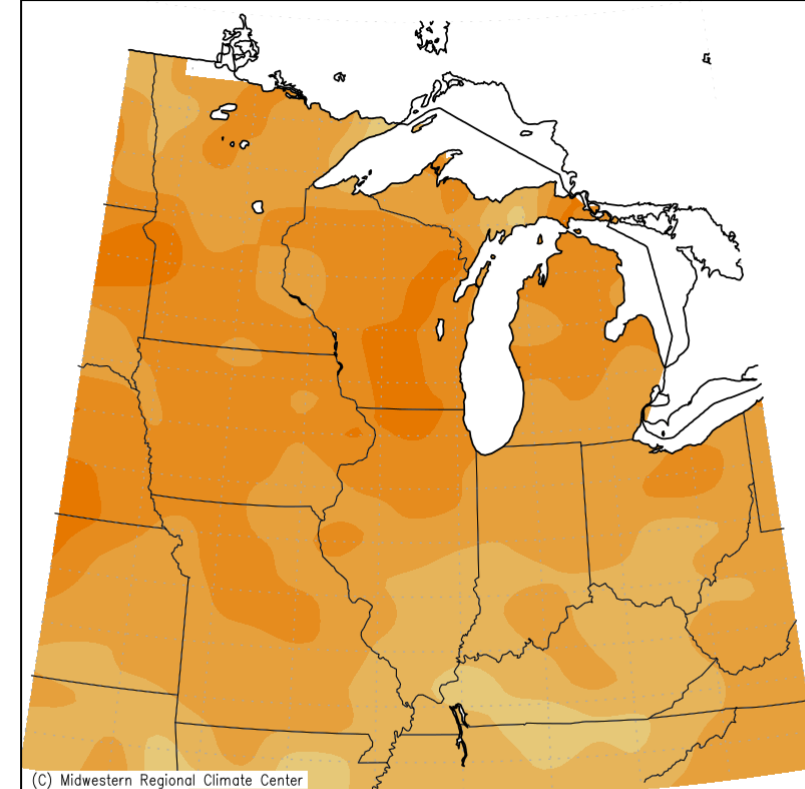


(C) Midwestern Regional Climate Center



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

Average Temperature (°F): Departure from Mean
November 1, 2020 to November 30, 2020




(C) Midwestern Regional Climate Center

Mean period is 1981–2010.



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

November 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	Location	Highest Temp	Lowest Temp	Avg High	Avg Low	Monthly Avg			
ADRIAN 2 NNE	80	21	53.3	31.3	42.0	LAPEER 2W	78	18	52.9	35.4	44.2			
ADRIAN LENAWEE COUNTY AP	77	20	54.0	34.3	44.2	LAPEER WWTP	78	19	53.4	32.8	43.1			
ALGONAC WWTP	76	23	53.7	34.0	43.9	LEXINGTON WATER PLANT	75	23	54.2	34.7	44.5			
ANN ARBOR SE	78	19	54.3	30.7	42.5	LINDEN WWTP	76	20	52.7	32.8	42.8			
ANN ARBOR U OF MICH	78	17	54.8	33.1	44.0	MANCHESTER	78	19	54.7	31.7	43.2			
BAD AXE	76	22	51.9	34.4	43.1	MIDLAND	75	22	52.4	35.6	44.0			
BURTON 4N	78	18	53.9	31.8	42.4	MORENCI	79	18	55.6	31.9	43.8			
CARO WWTP	77	18	53.0	33.7	43.4	NEWPORT 4SSE	72	22	53.2	35.1	44.2			
CASS CITY 1 SSW	76	18	52.7	32.5	42.6	OIL CITY 2S	76	15	52.5	29.5	41.1			
CHELSEA	78	17	54.2	32.7	43.5	OWOSSO WWTP	76	21	53.3	33.1	43.4			
DETROIT CITY AP	76	25	54.5	38.0	46.2	PONTIAC INTL AP	76	21	53.7	34.9	44.3			
DETROIT METRO AIRPORT	77	24	54.8	36.6	45.7	PONTIAC WWTP	75	23	53.1	33.6	43.4			
DETROIT WILLOW RUN AP	81	21	57.0	36.0	46.5	PORT HOPE	77	28	53.6	39.6	46.6			
DUNDEE	80	23	56.1	34.6	45.3	PORT HURON	72	27	52.6	39.0	45.8			
DURAND WWTP	78	18	54.4	32.8	43.6	RICHMOND 4 NNW	74	22	53.0	34.1	43.5			
FARMINGTON	77	20	53.1	31.3	42.2	SAGINAW #3	77	21	52.8	34.5	43.7			
FILION 5NNW	78	21	53.9	38.2	46.2	SAGINAW MBS INTL AP	77	22	53.4	35.7	44.6			
FLINT 7W	77	19	53.8	32.2	43.0	SALINE 4SW	79	18	55.1	33.4	44.3			
FLINT FCWOS	79	19	56.0	36.8	46.4	VASSAR	79	16	53.9	31.6	42.8			
GOODRICH	78	20	53.4	34.0	43.7	WHITE LAKE 4E	76	15	51.7	31.7	41.7			
GROSSE POINTE FARMS	74	25	53.0	35.9	44.5	WHITMORE LAKE 1NW	76	19	53.1	31.3	42.2			
HARBOR BEACH 1 SSE	76	24	52.1	34.9	43.5	YALE 1 NNW	76	20	53.3	32.4	42.9			

November – Top 20 Coldest/Warmest on Record

Weather Forecast Office
Detroit, MI



Top 20 Coldest/Warmest Novembers 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	29.8	1880	47.8	1931	31.3	1951	47.3	1975	29.8	1951	47.1	1931
2	33.5	1976	47.6	2001	32.0	1995	46.6	2001	31.6	1995	45.9	1975
3	34.2	1996	46.9	1902	32.6	1996	46.4	2020	32.5	1959	45.6	2015
4	34.5	1875	46.8	1975	33.0	1959	46.2	1931	33.3	2019	45.4	2016
5	34.6	1951	46.7	2016	33.3	2018	46.0	2015	33.3	1976	45.3	2001
6	34.9	1894	46.6	2011	33.3	1976	44.6	2016	33.6	1933	44.6	2020
7	35.2	1967	46.0	2015	34.5	1936	44.4	1934	33.9	1996	43.2	2009
8	35.4	1936	46.0	1963	34.5	1933	43.8	1938	33.9	1955	43.1	2011
9	35.5	1995	45.7	2020	34.6	2019	43.7	2011	34.0	2018	43.0	1963
10	35.5	1911	45.7	1948	34.8	1967	43.3	1963	34.2	1989	42.4	1999
11	35.7	1910	45.5	1994	34.8	1955	43.2	1948	34.2	1967	42.4	1948
12	35.7	1892	45.3	2009	35.0	1947	42.8	1999	34.2	1950	42.2	1934
13	35.8	2019	45.2	1999	35.1	1929	42.5	2003	34.3	1947	41.8	1994
14	35.8	2014	44.9	1964	35.2	1950	42.5	1994	34.4	1986	41.8	1938
15	36.0	1933	44.9	1909	35.2	1921	42.4	2009	34.6	2014	41.6	1990
16	36.4	1903	44.5	1953	35.3	2014	42.4	1990	34.7	1949	41.6	1964
17	36.4	1901	44.3	2003	35.4	1986	42.2	1924	35.1	1943	41.6	1913
18	36.6	1959	44.3	1883	35.5	1997	41.8	1998	35.1	1925	41.5	1953
19	36.6	1891	44.2	1990	35.6	1943	41.8	1953	35.2	1926	41.4	1930
20	36.7	1950	43.9	1946	35.8	1949	41.6	1987	35.2	1919	41.3	1998

* 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.

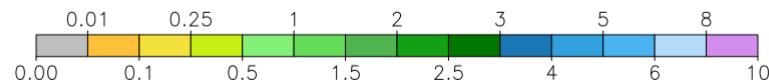
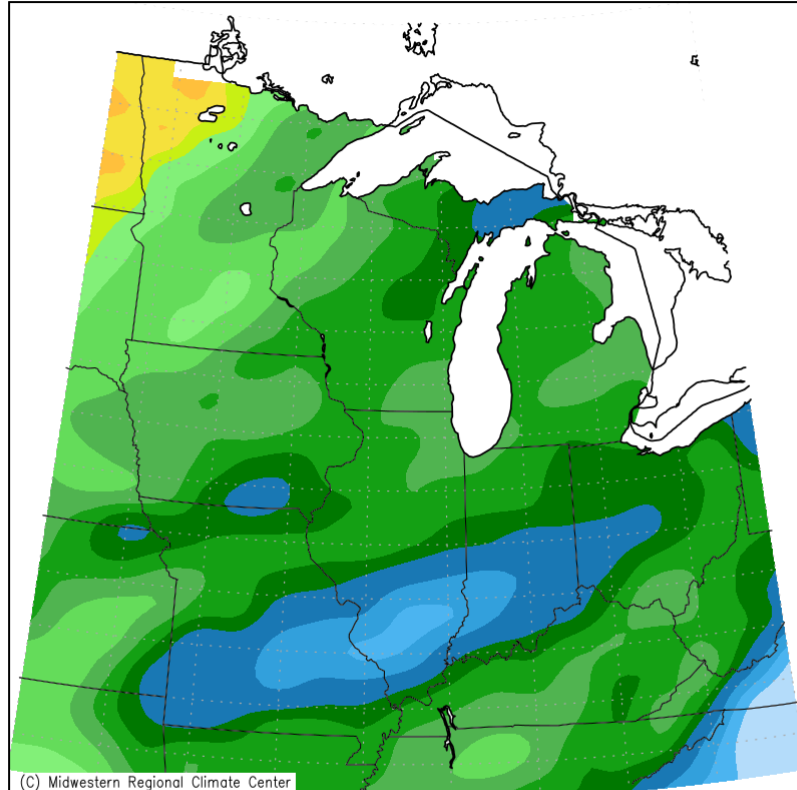
November 2020 – Regional Precipitation Summary

Weather Forecast Office
Detroit, MI



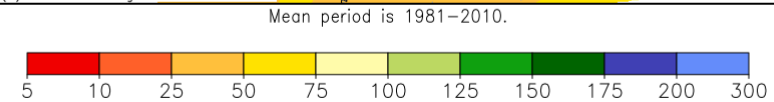
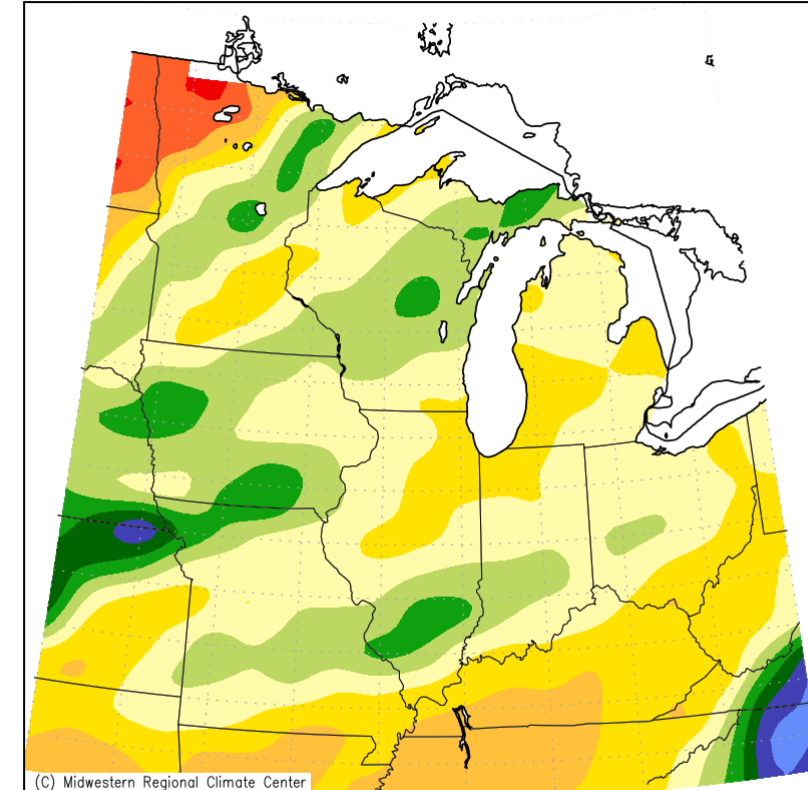
Total Monthly Precipitation (*left*) & Percent of Mean (*right*)

Accumulated Precipitation (in)
November 1, 2020 to November 30, 2020



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

Accumulated Precipitation: Percent of Mean
November 1, 2020 to November 30, 2020



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

November 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 AP	0.66	2.57	10	DURAND WWTP	0.44	1.87	10	OWOSSO WWTP	0.39	1.58	11
ALGONAC WWTP	0.80	2.15	10	FARMINGTON	0.59	1.94	10	PLEASANT RDG 0.5 WNW	0.70	2.39	12
ANN ARBOR 3.0 SE	0.62	2.10	9	FENTON 2.7 SSE	0.62	1.97	11	PLYMOUTH 5.4 W	0.70	2.37	12
ANN ARBOR 3.1 SE	0.69	2.21	9	FENTON 6.2 WSW	0.68	1.99	11	PLYMOUTH 6.3 W	0.63	2.06	12
ANN ARBOR 4.5 W	0.52	2.21	11	FLINT 7W	0.54	1.71	10	PONTIAC INTL AP	0.71	1.71	12
ANN ARBOR 7.1 W	0.63	2.24	10	FLINT FCWOS	0.78	1.88	13	PONTIAC WWTP	0.53	2.18	10
ANN ARBOR SE	0.52	2.23	12	FRASER 1.2 N	0.52	2.45	11	PORT HOPE	0.49	1.25	8
ANN ARBOR U OF MICH	0.78	2.49	11	GOODRICH	0.33	1.52	10	PORT HURON	0.70	2.23	7
BAD AXE	0.43	1.57	11	GRAND BLANC 2.9 SE	0.57	1.90	11	PORT HURON 1.6 W	0.73	2.39	9
BAY PORT 3.2 SSW	0.44	1.90	12	GROSSE ILE 1.6 N	0.70	2.69	10	PORT HURON 2.8 WSW	0.45	2.22	8
BELLEVILLE 2.8 ESE	0.63	2.34	10	GROSSE POINTE FARMS	0.67	2.72	10	RICHMOND 4 NNW	0.51	2.01	8
BLOOMFIELD TWP 3.1 SW	0.53	1.98	10	HARBOR BEACH 1 SSE	0.65	2.13	9	ROSEVILLE 1.7 ENE	0.49	2.02	10
BURTON 4N	0.62	2.40	13	LAPEER 2W	0.48	1.85	13	SAGINAW 6.4 W	0.49	1.86	8
CANTON 2.7 N	0.56	2.12	12	LAPEER WWTP	0.44	1.57	10	SAGINAW 8NW	0.42	1.85	9
CARO WWTP	0.42	1.73	10	LINDEN WWTP	0.66	1.85	10	SAGINAW #3	0.57	2.23	10
CASS CITY 1 SSW	0.27	1.56	10	LIVONIA 2.0 NE	0.66	2.16	11	SAGINAW MBS INTL AP	0.63	1.58	7
CHELSEA	0.64	2.35	12	LIVONIA 2.3 NNW	0.64	2.13	13	SALINE 3.8 SSW	0.53	1.83	10
CHESANING	0.83	1.80	7	MANCHESTER	0.47	1.99	9	SALINE 4SW	0.61	2.24	11
DAVISBURG 1.3 ESE	0.63	1.72	11	MIDLAND	0.80	3.00	10	SHELBY 0.4 SSE	0.53	2.13	10
DAVISON 5.2 N	0.42	1.37	10	MIDLAND 1.5 NNE	0.50	1.96	11	TIPTON 2WNW	0.61	2.13	9
DEARBORN HEIGHTS 1.8 NW	0.66	2.27	12	MIDLAND 2.9 SW	0.67	2.00	8	TROY 1.8 S	0.54	2.26	11
DETROIT 4.4 S	0.51	2.20	11	MILFORD 4.3 ESE	0.55	1.86	8	UTICA 2.9 E	0.49	2.05	10
DETROIT CITY AP	0.51	2.08	12	MONROE 3.0 S	0.61	2.59	11	VASSAR	0.48	1.80	10
DETROIT METRO AIRPORT	0.75	2.63	12	MORENCI	0.57	2.37	9	WATERFORD 2.1 NW	0.42	1.64	11
DETROIT WILLOW RUN AP	0.26	1.09	13	NEW BALTIMORE 0.4 SSE	0.68	2.44	9	WHITE LAKE 4E	0.69	1.96	13
DEXTER 2.2 SE	0.64	2.51	12	ORTONVILLE 2.3 S	0.50	1.65	11	WHITMORE LAKE 1NW	0.66	2.20	8
DURAND 6.2 WNW	0.41	1.78	14	OTTAWA LAKE 1.4 SSW	0.53	2.50	9	WYANDOTTE	0.64	2.64	10

November – Top 20 Wettest/Driest on Record

Weather Forecast Office
Detroit, MI



Top 20 Wettest/Driest Novembers 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	6.00	2011	0.19	1904	5.66	2003	0.21	1938	6.31	1995	0.18	1939
2	5.68	1982	0.40	1917	4.94	1988	0.57	1939	5.81	1988	0.36	1936
3	5.51	1985	0.57	1939	4.93	1973	0.59	2009	5.41	1966	0.41	2012
4	5.30	1891	0.60	1924	4.76	1982	0.65	2012	5.14	1990	0.51	1986
5	5.29	1927	0.62	2009	4.59	1952	0.66	1980	4.54	2003	0.55	2009
6	5.13	1897	0.72	2012	4.29	1990	0.66	1962	4.53	1935	0.61	1924
7	4.93	2017	0.73	1908	4.22	1995	0.78	1953	4.47	1928	0.63	1999
8	4.71	1879	0.78	1922	4.05	1992	0.78	1936	4.33	2005	0.69	1962
9	4.70	2005	0.79	1976	4.02	1928	0.86	1960	4.33	1992	0.81	2007
10	4.70	1909	0.81	1964	3.93	2005	0.93	1924	4.12	1959	0.84	1976
11	4.36	1881	0.83	1953	3.86	1968	0.94	1986	4.00	1985	0.86	1929
12	4.33	1992	0.88	1980	3.84	1948	1.00	1930	3.83	1982	0.88	1938
13	4.29	1988	0.94	1997	3.76	1950	1.05	1997	3.76	1952	0.92	1930
14	4.28	1983	0.97	1937	3.71	1935	1.13	1999	3.67	1994	1.04	1917
15	4.19	1979	1.00	1901	3.64	1979	1.18	1945	3.64	1940	1.11	1956
16	4.19	1895	1.10	1936	3.58	1942	1.20	1964	3.55	1989	1.14	1923
17	4.14	1948	1.15	1894	3.51	1994	1.22	1976	3.51	1958	1.15	2001
18	4.10	1877	1.18	1903	3.46	1983	1.32	1993	3.49	1931	1.20	2002
19	4.05	1950	1.20	1965	3.39	1921	1.32	1922	3.25	1991	1.22	1971
20	3.68	1893	1.21	1916	3.29	1987	1.38	2002	3.25	1968	1.22	1953

* Detroit Area precipitation records date back to November 1874.

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

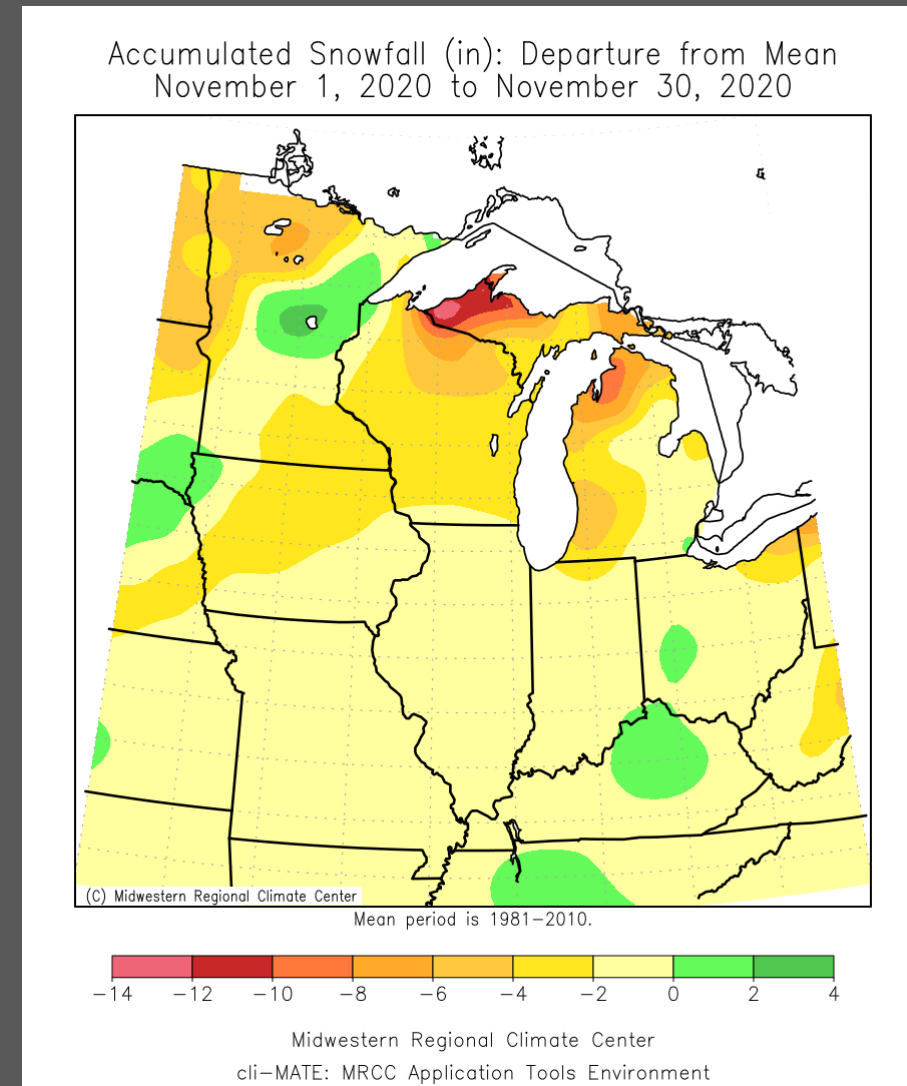
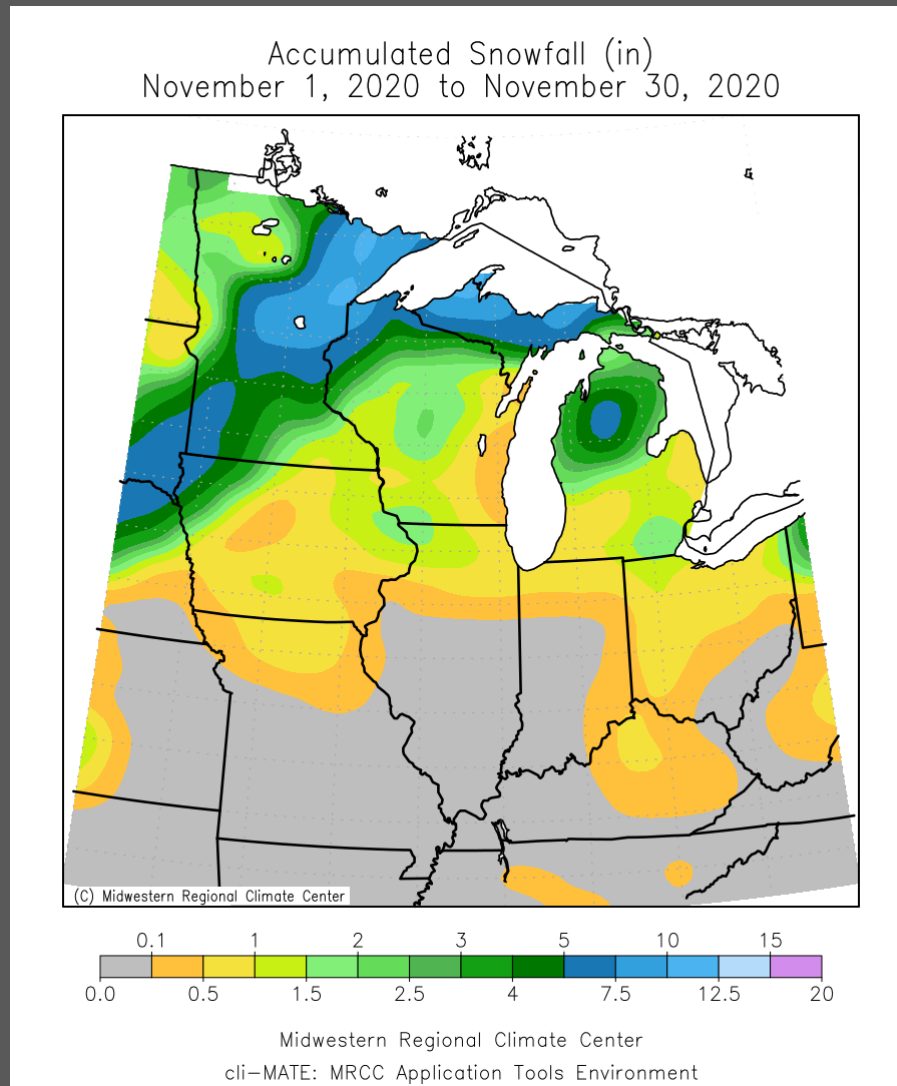
*** Saginaw Area precipitation records date back to January 1912.

November 2020 – Regional Snowfall Summary

Weather Forecast Office
Detroit, MI



Total Monthly Snowfall (*left*) & Departure from Normal (*right*)



November 2020 – SE Michigan Snowfall Summary

Weather Forecast Office
Detroit, MI



Highest daily total, monthly total, and total number of days of measureable snow (in.)

Location	Highest Daily Total	Monthly Total	# of Days with Snow
ALGONAC WWTP	0.5	0.5	1
ANN ARBOR 2.1 WNW	1	1.6	3
ANN ARBOR SE	2.1	3.7	5
ANN ARBOR U OF MICH	3.1	6.1	6
BAD AXE	0.5	0.6	2
BAY PORT 3.2 SSW	0.2	0.2	1
BURTON 4N	0.5	0.9	3
CANTON 2.7 N	0.4	0.6	3
CASS CITY 1 SSW	0.5	0.5	1
CHELSEA	1	2	2
DETROIT METRO AIRPORT	1.9	3.5	3
DURAND WWTP	0.2	0.2	1
FARMINGTON	0.6	0.8	2
FARMINGTON HILLS 1.4 N	1	1.2	2
FENTON 6.2 WSW	0.5	0.8	2
FILION 5NNW	0.4	0.4	1
FLINT 7W	0.6	1.2	3
FLINT FCWOS	0.5	1.3	5
GOODRICH	2.3	2.9	3
GROSSE POINTE FARMS	0.1	0.1	1
HARBOR BEACH 1 SSE	0.6	0.7	2

Location	Highest Daily Total	Monthly Total	# of Days with Snow
LAPEER 2W	1.3	4.3	6
LIVONIA 2.3 NNW	0.5	0.7	3
MANCHESTER	0.5	0.7	2
MIDLAND 1.5 NNE	1.6	1.6	1
MILAN WWTP	0.3	0.3	1
MORENCI	1.5	2	2
NEW BALTIMORE 0.4 SSE	0.5	0.7	2
OIL CITY 2S	3	3	1
OTTAWA LAKE 1.4 SSW	1	2	2
OWOSSO WWTP	0.1	0.3	3
PORT HURON 1.6 W	1.1	1.1	1
RICHMOND 4 NNW	2.8	3.1	2
SAGINAW 8NW	0.4	0.4	1
SAGINAW #3	1	1	1
SAGINAW MBS INTL AP	1	1.4	3
SALINE 4SW	0.7	0.7	1
SHELBY 0.4 SSE	1	1	1
VASSAR	0.5	0.5	1
WHITE LAKE 4E	2.4	4.5	5
WYANDOTTE	1.4	1.9	3
YALE 1 NNW	2	2.6	4

November – Top 20 Snowiest/Least Snowy on Record

Weather Forecast Office
Detroit, MI



Top 20 Snowiest/Snowless Novembers in Southeast Lower Michigan (in.)

Rank	Detroit Area*				Flint Bishop**				Saginaw Area***			
	Snowiest		Snowless		Snowiest		Snowless		Snowiest		Snowless	
	Total	Year	Total	Year	Total	Year	Total	Year	Total	Year	Total	Year
1	11.8	1966	0.0	1999	16.2	1951	0.0	2001	23.0	1995	0.0	1982
2	10.6	1933	0.0	1990	13.5	1966	0.0	1990	20.3	1966	0.0	1994
3	10.1	1932	0.0	2001	12.4	1950	0.0	1948	17.9	1951	0.0	1973
4	9.5	2019	0.0	1968	12.1	1940	0.0	1939	17.0	1940	0.0	1948
5	9.2	1950	0.0	1948	11.1	2018	0.0	1961	13.5	1933	0.0	1963
6	9.1	1940	0.0	1939	10.8	2015	0.0	1973	12.5	2018	0.0	2017
7	8.9	1898	0.0	1961	10.5	1975	0.0	2016	12.3	1947	0.0	1931
8	8.3	1951	0.0	2017	10.4	1971	0.0	1931	11.0	1985	0.0	1934
9	8.3	1921	0.0	1994	10.0	1921	0.0	1963	9.9	1977	0.0	1998
10	8.1	1959	0.0	1952	9.4	2019	0.0	1944	9.6	1950	0.0	2009
11	7.9	1925	0.0	1899	9.4	1979	0.0	1927	8.8	2008	0.0	1988
12	7.7	1974	0.0	1963	9.2	2008	0.0	1987	8.5	1975	0.0	1999
13	7.7	1880	0.0	2010	9.2	1974	0.0	1934	8.1	1949	0.0	1990
14	7.4	1977	0.0	1901	8.9	1972	0.0	2009	7.8	1971	0.0	2001
15	7.1	1972	0.0	1944	8.7	2014	0.0	1999	7.6	1959	0.0	1923
16	7.0	1911	0.0	1934	7.8	1989	0.0	1946	7.0	2004	0.1	1970
17	6.9	1894	0.0	1998	6.9	1949	0.0	1923	7.0	1921	0.1	1939
18	6.8	1891	0.0	2009	6.9	1925	0.2	2010	6.8	2011	0.1	1929
19	6.7	2018	0.0	1896	6.3	1933	0.2	1998	6.6	2019	0.2	1952
20	6.7	1956	0.1	2016	6.2	1978	0.3	2017	6.1	2000	0.2	2016

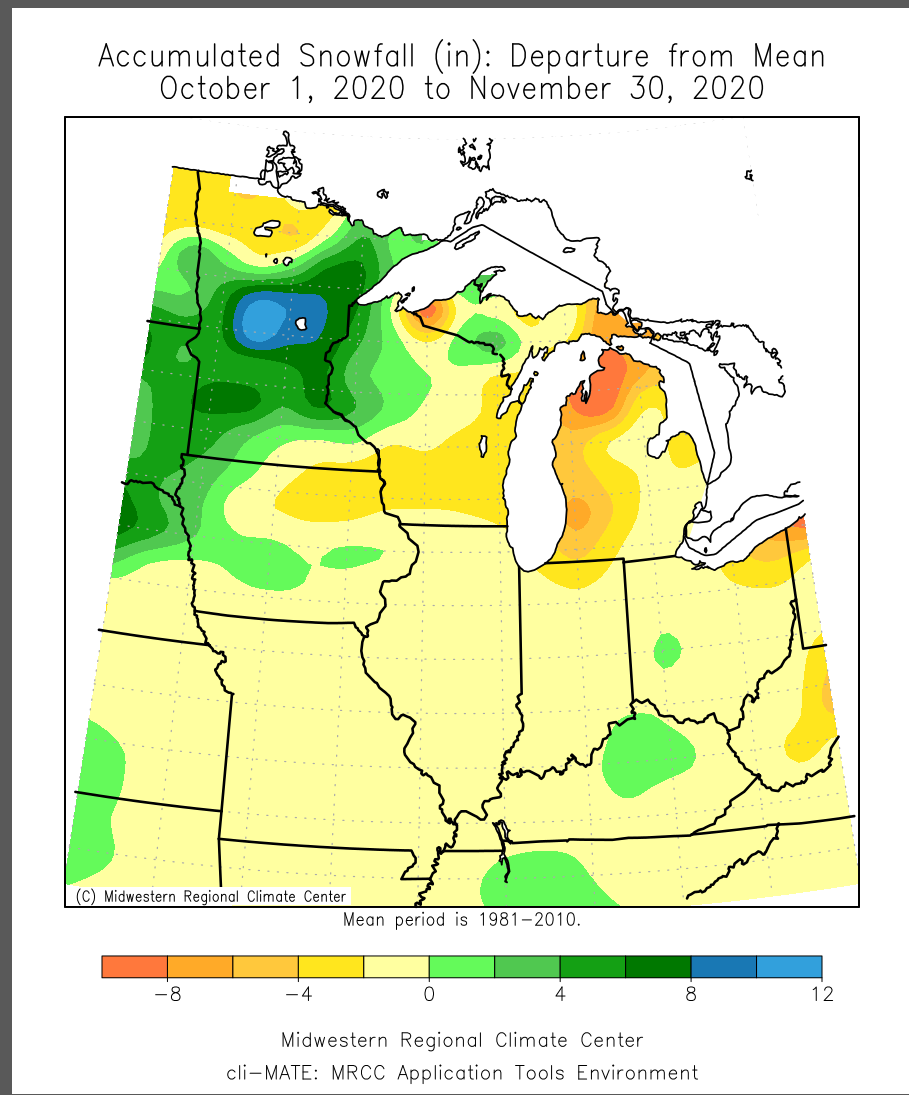
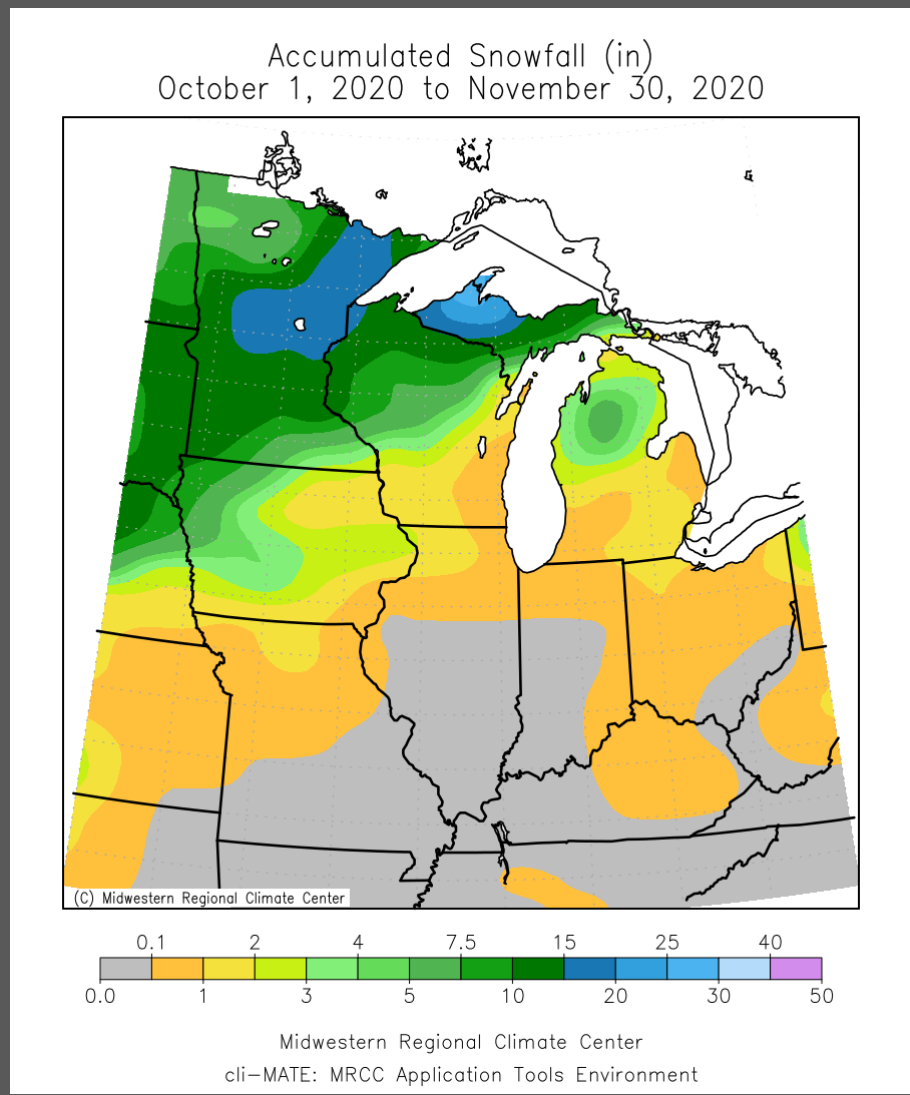
* Detroit Area snowfall records date back to January 1880.

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

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

Note: this table does not account for trace (T) events

Total Snowfall (left) & Departure from Normal (right)

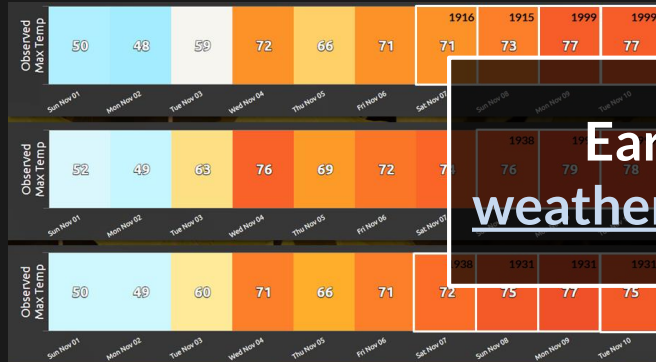


November 2020 - Significant Weather Events

Weather Forecast Office
Detroit, MI



Follow links for web summaries



Early November Record Warm Streak
weather.gov/dtx/November2020RecordWarm



November 15 High Wind Event
weather.gov/dtx/HighWindWarning-11-15-2020



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)

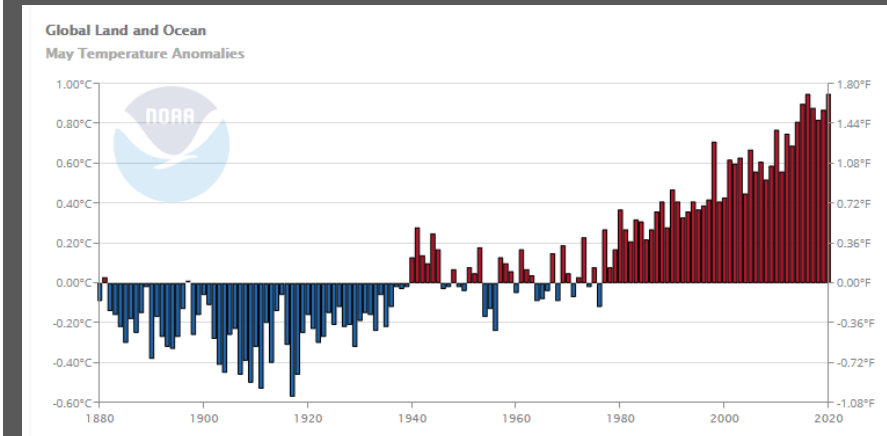
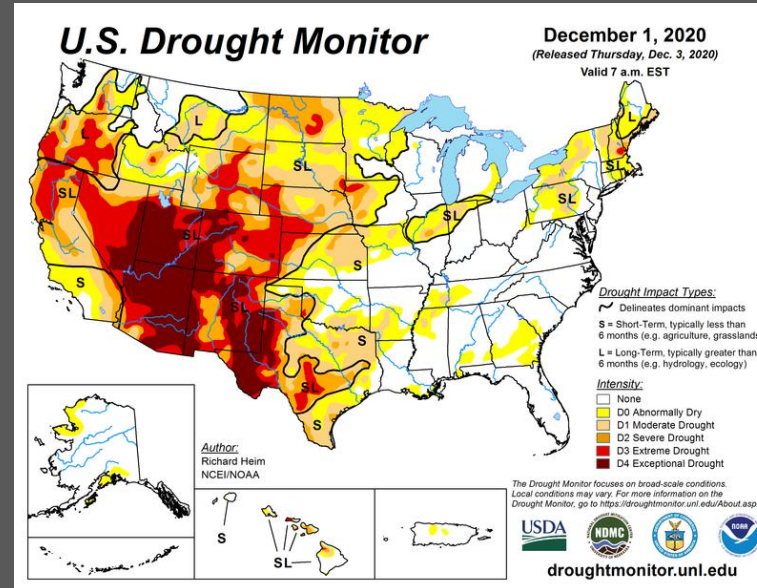
2. Location »
Detroit
Flint
Saginaw

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!