

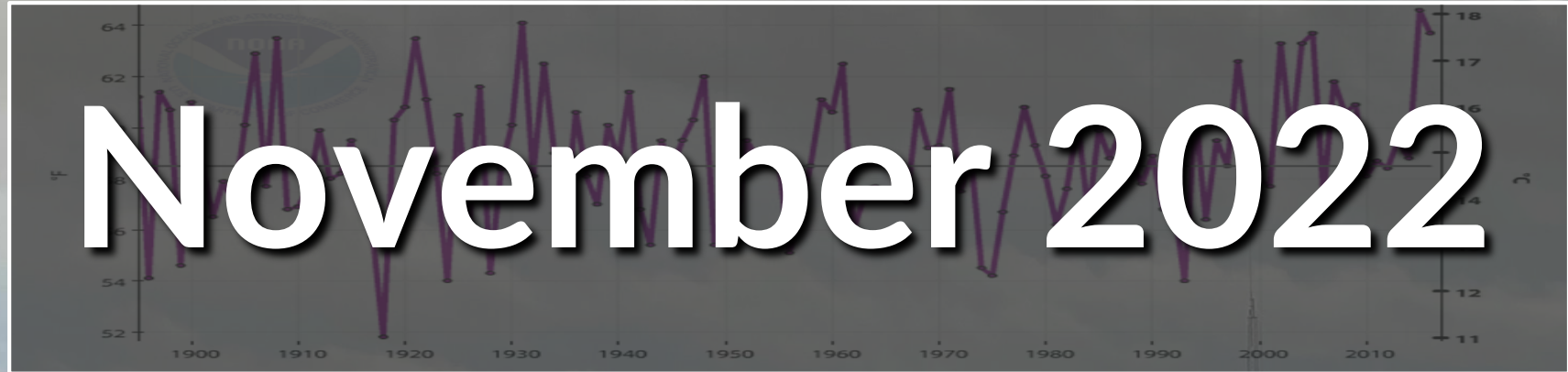
Southeast Michigan Climate Summary

Monthly Temperature, Precipitation, Snowfall, and Severe Weather Summaries

Weather Forecast Office
Detroit, MI



November 2022



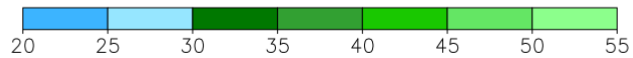
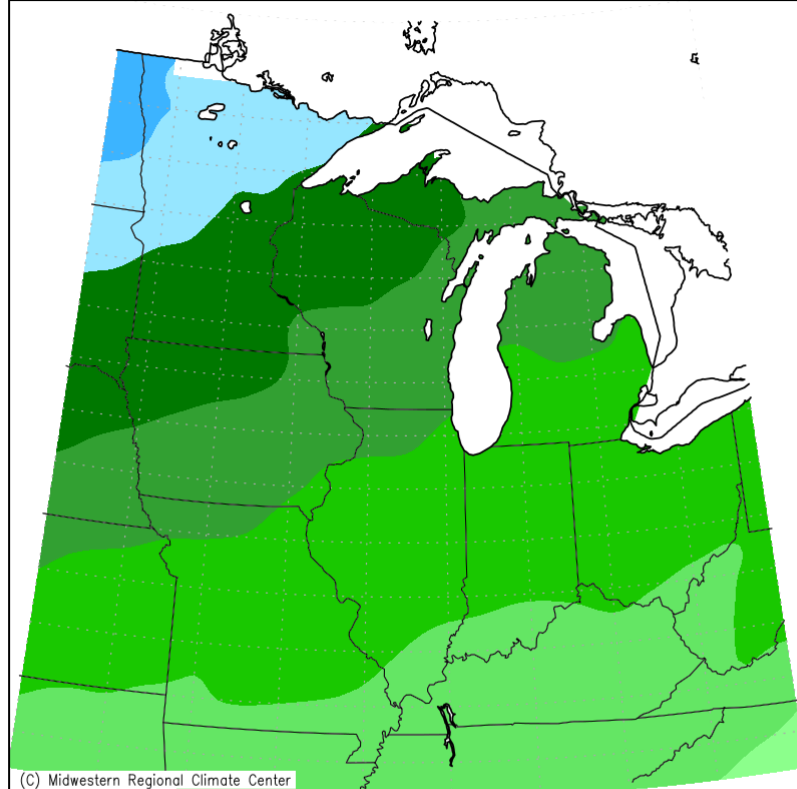
November 2022 – Regional Temperature Summary

Weather Forecast Office
Detroit, MI



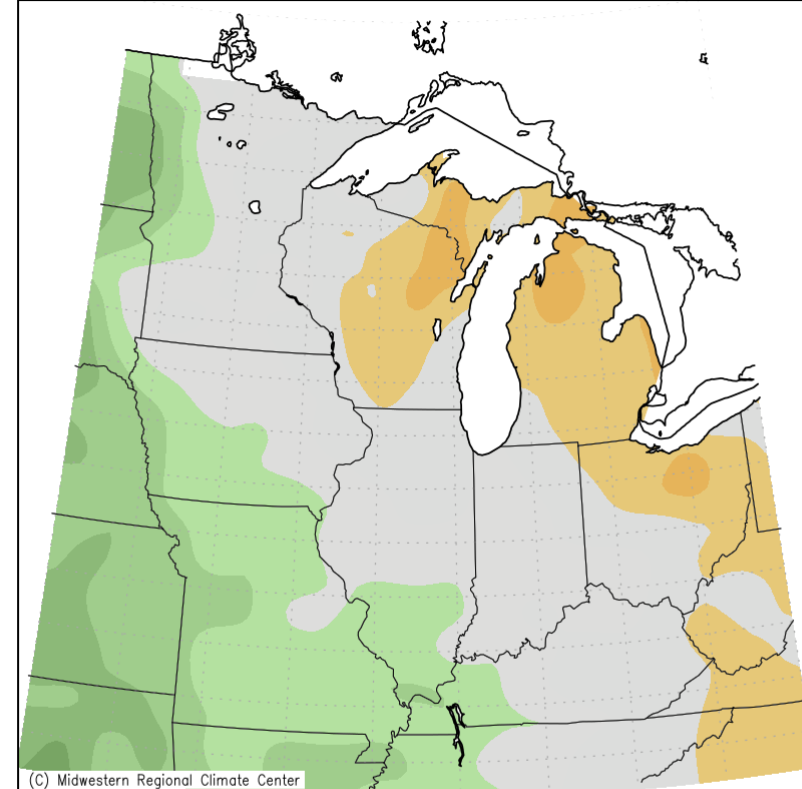
Average Temperature (left) & Departure from Average (right)

Average Temperature (°F)
November 1, 2022 to November 30, 2022

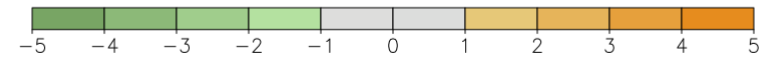


Midwestern Regional Climate Center
Purdue University

Average Temperature (°F): Departure from Mean
November 1, 2022 to November 30, 2022



Mean period is 1991–2020.



Midwestern Regional Climate Center
Purdue University

November 2022 – 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	73	16	50.3	31.3	40.8	GOODRICH	75	13	50.9	31.8	41.4
ADRIAN LENAWEE COUNTY AP	73	16	50.8	33.1	41.9	GROSSE POINTE FARMS	71	15	50.1	35.7	42.9
ALGONAC WWTP	73	17	52.1	32.5	42.3	HARBOR BEACH 1 SSE	74	18	49.7	34.3	42.0
ANN ARBOR MUNICIPAL AP	73	8	51.1	29.3	40.2	LAPEER 2W	76	14	50.6	31.2	40.6
ANN ARBOR SE	74	13	52.5	30.8	41.7	LAPEER WWTP	76	15	51.4	31.1	40.7
ANN ARBOR U OF MICH	74	8	51.9	31.2	41.6	MANCHESTER	74	14	52.4	31.3	41.9
BAD AXE	76	18	49.0	32.8	40.9	MIDLAND	71	11	45.6	29.6	37.6
BURTON 4N	75	14	50.0	30.0	39.9	MORENCI	73	11	51.5	29.7	40.6
CARO WWTP	76	14	49.9	31.0	40.4	OIL CITY 2S	76	13	49.2	28.6	38.9
CASS CITY 1 SSW	75	14	49.9	30.7	40.3	OWOSSO WWTP	77	13	50.8	31.0	40.9
CHELSEA	74	15	51.9	32.2	42.1	PONTIAC INTL AP	72	14	49.7	32.6	41.2
DEARBORN	75	14	52.1	33.7	42.9	PONTIAC WWTP	75	15	51.0	33.2	42.1
DEARBORN NO. 2	74	17	52.4	35.6	44.0	PORT HOPE	77	22	50.4	37.1	43.8
DETROIT CITY AP	75	18	53.0	37.1	45.1	PORT HURON	71	17	51.0	37.3	44.2
DETROIT METRO AIRPORT	74	16	52.2	34.5	43.3	RICHMOND 4 NNW	71	14	49.2	30.6	39.9
DUNDEE	75	13	51.7	31.8	41.8	SAGINAW #3	76	15	50.6	32.4	41.5
FARMINGTON	74	14	51.1	30.2	40.0	SAGINAW MBS INTL AP	76	15	49.5	32.6	41.1
FILION 5NNW	77	22	51.7	37.2	44.4	SALINE 4SW	75	12	53.3	32.3	42.8
FLINT 7W	75	14	49.9	30.9	40.4	WHITE LAKE 4E	74	12	50.2	30.9	40.6
FLINT FCWOS	75	14	51.0	31.4	41.2	WHITMORE LAKE 1NW	71	13	49.9	30.7	40.3



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.

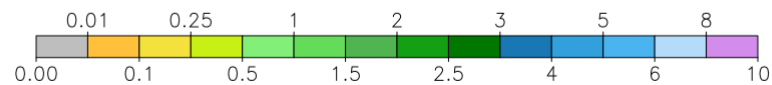
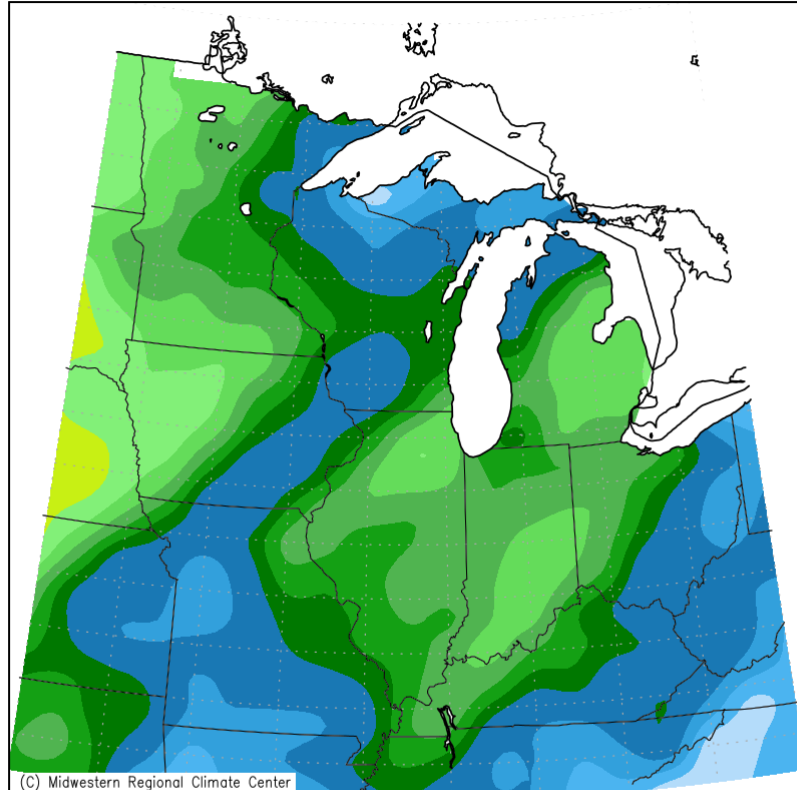
November 2022 – Regional Precipitation Summary

Weather Forecast Office
Detroit, MI



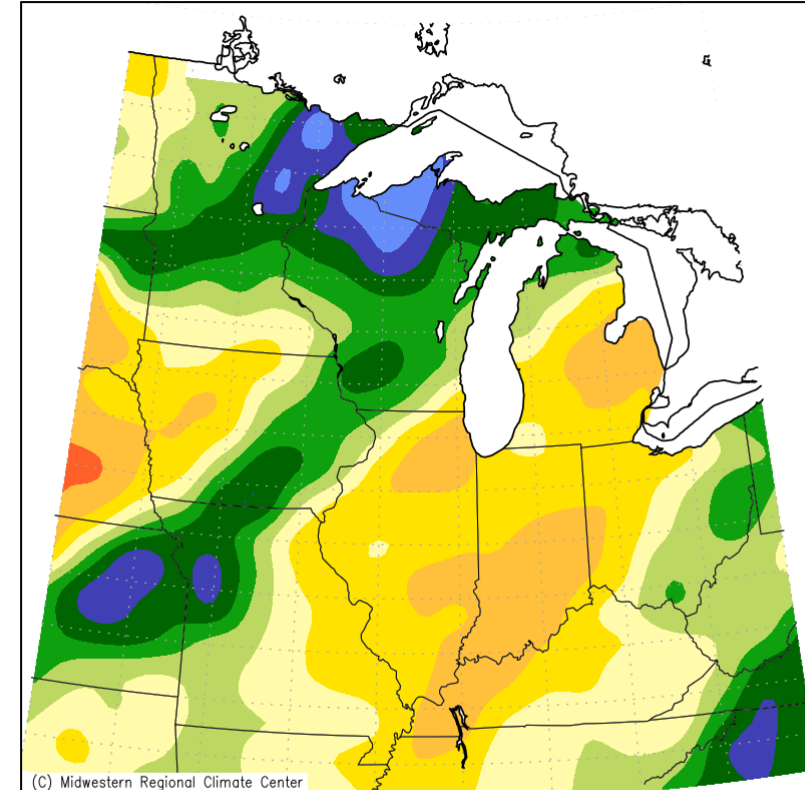
Total Monthly Precipitation (left) & Percent of Mean (right)

Accumulated Precipitation (in)
November 1, 2022 to November 30, 2022

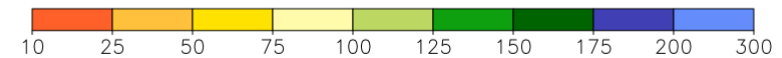


Midwestern Regional Climate Center
Purdue University

Accumulated Precipitation: Percent of Mean
November 1, 2022 to November 30, 2022



Mean period is 1991–2020.



Midwestern Regional Climate Center
Purdue University

November 2022 – 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 2 NNE	1.17	1.88	10	DUNDEE	1.50	2.36	9	OIL CITY 2S	0.50	1.38	10
ADRIAN LENAWEE CO AP	1.11	1.59	8	DURAND 6.2 WNW	0.18	0.76	8	ORTONVILLE 2.3 S	0.34	0.72	5
ALGONAC WWTP	0.85	1.97	10	DURAND WWTP	0.23	0.67	8	OTTAWA LAKE 1.4 SSW	1.43	2.52	7
ANN ARBOR 3.0 SE	0.38	1.06	7	FARMINGTON	0.39	1.31	11	PLYMOUTH 5.4 W	0.50	1.24	10
ANN ARBOR MNCPL AP	0.67	1.03	10	FENTON 2.7 SSE	0.23	0.70	9	PONTIAC INTL AP	0.31	0.54	8
ANN ARBOR SE	0.49	1.50	10	FENTON 6.2 WSW	0.25	0.76	9	PONTIAC WWTP	0.33	1.06	10
ANN ARBOR U OF MICH	0.62	1.38	12	FLINT 7W	0.23	0.83	10	PORT HOPE	0.22	0.85	11
BAD AXE	0.40	1.16	10	FLINT FCWOS	0.20	0.55	6	PORT HURON	0.42	0.74	5
BERKLEY 0.6 N	0.67	1.46	9	FRASER 1.2 N	0.74	1.65	13	RICHMOND 4 NNW	0.35	1.20	12
BURTON 4N	0.30	0.79	5	GOODRICH	0.22	0.46	7	ROSEVILLE 1.7 ENE	0.88	1.74	8
CARO WWTP	0.31	1.27	10	GROSSE ILE 1.6 N	0.63	1.40	9	SAGINAW 8NW	0.35	1.40	10
CASS CITY 1 SSW	0.44	1.06	7	GROSSE POINTE FARMS	0.91	1.66	8	SAGINAW #3	0.34	1.06	11
CHELSEA	0.13	0.54	10	HARBOR BEACH 1 SSE	0.23	0.72	7	SAGINAW MBS INTL AP	0.29	1.36	11
CHELSEA 3.7 NNE	0.24	0.83	12	LAPEER 2W	0.24	0.74	9	SALINE 4SW	0.60	1.95	10
CHESTERFIELD 2.4 E	0.47	1.46	9	LAPEER WWTP	0.30	0.78	6	STERLING HGHTS 2 NNE	0.61	1.34	9
DAVISON 5.2 N	0.17	0.48	6	LIVONIA 2.0 NE	0.50	1.19	6	TECUMSEH	0.77	2.27	10
DEARBORN	0.92	2.12	11	LIVONIA 2.3 NNW	0.46	1.19	13	WATERFORD 2.1 NW	0.25	0.84	8
DEARBORN HGHTS 1.8 NW	0.93	1.75	9	MANCHESTER	0.31	0.92	11	WHITE LAKE 4E	0.36	0.71	10
DETROIT CITY AP	0.95	1.28	8	MIDLAND	0.21	0.95	9	WHITMORE LAKE 1NW	0.22	0.90	7
DETROIT METRO AIRPORT	1.04	1.52	8	MONROE 3.0 S	0.81	2.13	8	WYANDOTTE	0.84	1.93	9
DETROIT WILLOW RUN AP	0.86	1.23	6	MORENCI	1.14	2.74	9	YPSILANTI 2.5 SSE	0.56	1.47	9
DEXTER 2.2 SE	0.30	0.95	8								

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	0.55	2022	5.81	1988	0.36	1936
3	5.51	1985	0.57	1939	4.93	1973	0.57	1939	5.41	1966	0.41	2012
4	5.30	1891	0.60	1924	4.76	1982	0.59	2009	5.14	1990	0.51	1986
5	5.29	1927	0.62	2009	4.59	1952	0.65	2012	4.54	2003	0.55	2009
6	5.13	1897	0.72	2012	4.29	1990	0.66	1980	4.53	1935	0.61	1924
7	4.93	2017	0.73	1908	4.22	1995	0.66	1962	4.47	1928	0.63	1999
8	4.71	1879	0.78	1922	4.05	1992	0.78	1953	4.33	2005	0.69	1962
9	4.70	2005	0.79	1976	4.02	1928	0.78	1936	4.33	1992	0.81	2007
10	4.70	1909	0.81	1964	3.93	2005	0.86	1960	4.12	1959	0.84	1976
11	4.36	1881	0.83	1953	3.86	1968	0.93	1924	4.00	1985	0.86	1929
12	4.33	1992	0.88	1980	3.84	1948	0.94	1986	3.83	1982	0.88	1938
13	4.29	1988	0.94	1997	3.76	1950	1.00	1930	3.76	1952	0.92	1930
14	4.28	1983	0.97	1937	3.71	1935	1.01	2021	3.67	1994	1.04	1917
15	4.19	1979	1.00	1901	3.64	1979	1.05	1997	3.64	1940	1.11	1956
16	4.19	1895	1.10	1936	3.58	1942	1.13	1999	3.55	1989	1.14	1923
17	4.14	1948	1.15	1894	3.51	1994	1.18	1945	3.51	1958	1.15	2001
18	4.10	1877	1.18	1903	3.46	1983	1.20	1964	3.49	1931	1.20	2002
19	4.05	1950	1.20	1965	3.39	1921	1.22	1976	3.25	1991	1.22	1971
20	3.68	1893	1.21	1916	3.29	1987	1.32	1993	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.

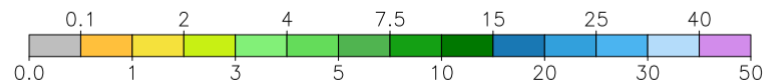
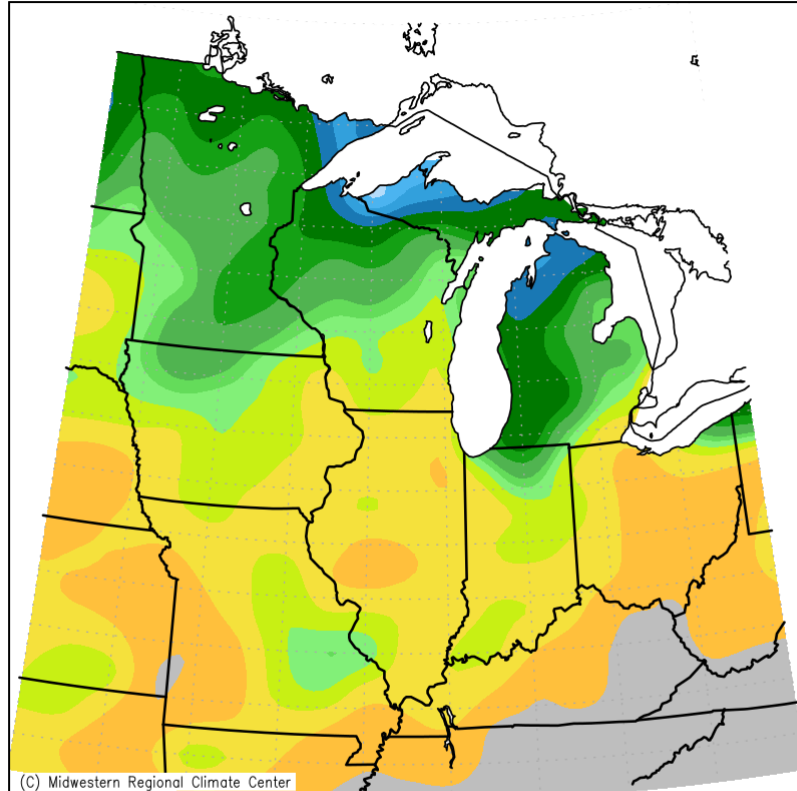
November 2022 – Regional Snowfall Summary

Weather Forecast Office
Detroit, MI



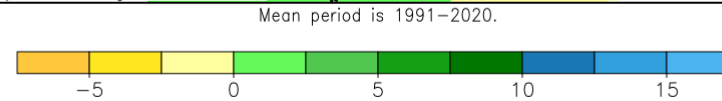
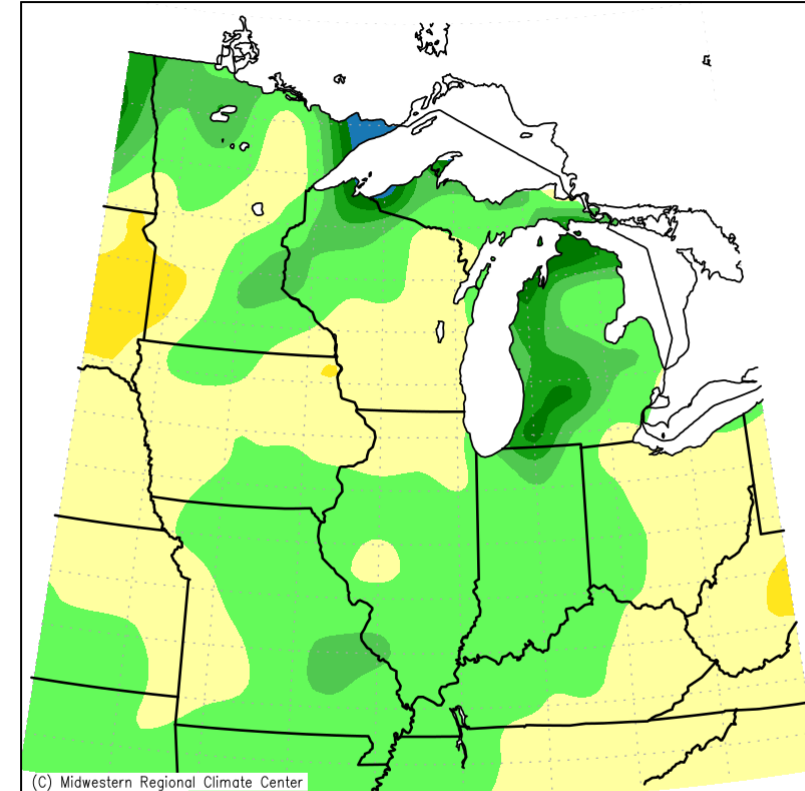
Total Monthly Snowfall (*left*) & Departure from Normal (*right*)

Accumulated Snowfall (in)
November 1, 2022 to November 30, 2022



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 12/3/2022 8:58:09 AM CST

Accumulated Snowfall (in): Departure from Mean
November 1, 2022 to November 30, 2022



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 12/3/2022 8:57:02 AM CST

November 2022 – 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	Location	Highest Daily Total	Monthly Total	# of Days with Snow
ADRIAN 2 NNE	0.1	0.1	1	LAPEER 2W	2.2	4.7	5
ANN ARBOR SE	1.8	4.0	4	LINDEN WWTP	2.1	2.4	2
ANN ARBOR U OF MICH	2.6	5.9	6	LIVONIA 2.3 NNW	0.5	1.2	5
BAD AXE	2.6	5.2	6	MIDLAND 1.5 NNE	2.3	6.6	6
BAY PORT 3.2 SSW	1.9	4.4	4	MORENCI	0.5	1.5	4
BERKLEY 0.6 N	0.6	1.2	3	NEW BALTIMORE 0.4 SSE	0.7	1.4	4
BURTON 4N	1.8	4.2	5	OIL CITY 2S	4.5	7.4	5
CANTON 2.7 N	1.1	1.8	3	OTTAWA LAKE 1.4 SSW	0.8	1.8	3
CASS CITY 1 SSW	2.5	5.5	3	OWOSSO WWTP	2.4	6.7	5
CHELSEA	1.0	1.2	2	PLEASANT RIDGE 0.5 WNW	0.1	0.1	1
CHELSEA 3.7 NNE	3.1	6.2	6	PLYMOUTH 5.4 W	0.9	1.2	3
CHESANING	2.0	2.0	1	PONTIAC WWTP	2.0	2.9	4
DAVISON 5.2 N	1.5	3.0	2	RICHMOND 4 NNW	2.1	5.8	5
DETROIT METRO AIRPORT	1.7	2.5	5	SAGINAW 8NW	2.1	4.1	3
DURAND WWTP	2.0	4.3	3	SAGINAW #3	1.5	2.9	5
FARMINGTON	0.4	0.8	4	SAGINAW MBS INTL AP	2.1	4.8	5
FENTON 6.2 WSW	0.4	0.9	4	SHELBY 0.4 SSE	2.0	2.0	1
FLINT 7W	3.5	6.1	6	WATERFORD 2.1 NW	1.7	3.4	4
FLINT FCWOS	3.2	6.3	7	WHITE LAKE 4E	4.0	5.8	5
GOODRICH	1.5	2.5	4	WYANDOTTE	1.8	2.9	3
HARBOR BEACH 1 SSE	0.7	1.8	3				

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	1948	16.2	1951	0.0	1973	23.0	1995	0.0	1988
2	10.6	1933	0.0	1934	13.5	1966	0.0	1990	20.3	1966	0.0	1973
3	10.1	1932	0.0	1990	12.4	1950	0.0	1934	17.9	1951	0.0	1948
4	9.5	2019	0.0	1998	12.1	1940	0.0	1999	17.0	1940	0.0	1982
5	9.2	1950	0.0	1999	11.1	2018	0.0	1944	13.5	1933	0.0	1990
6	9.1	1940	0.0	1901	10.8	2015	0.0	2016	12.5	2018	0.0	1998
7	8.9	1898	0.0	1944	10.5	1975	0.0	1961	12.3	1947	0.0	1999
8	8.3	1951	0.0	1952	10.4	1971	0.0	2001	11.0	1985	0.0	2001
9	8.3	1921	0.0	1968	10.0	1921	0.0	2009	9.9	1977	0.0	2009
10	8.1	1959	0.0	1961	9.4	2019	0.0	1946	9.6	1950	0.0	2017
11	7.9	1925	0.0	2001	9.4	1979	0.0	1927	8.8	2008	0.0	1994
12	7.7	1974	0.0	2009	9.2	2008	0.0	1931	8.5	1975	0.0	1934
13	7.7	1880	0.0	2017	9.2	1974	0.0	1939	8.1	1949	0.0	1931
14	7.4	1977	0.0	1994	8.9	1972	0.0	1963	7.8	1971	0.0	1963
15	7.1	2021	0.0	2010	8.7	2014	0.0	1987	7.6	1959	0.0	1923
16	7.1	1972	0.0	1899	7.8	1989	0.0	1948	7.0	2004	0.1	1970
17	7.0	1911	0.0	1939	6.9	1949	0.0	1923	7.0	1921	0.1	1939
18	6.9	1894	0.0	1963	6.9	1925	0.2	2010	6.8	2011	0.1	1929
19	6.8	1891	0.0	1896	6.3	2022	0.2	1998	6.6	2019	0.2	1952
20	6.7	2018	0.1	2004	6.3	1933	0.3	2017	6.1	2000	0.2	2016

* Detroit Area snowfall records date back to January 1880.

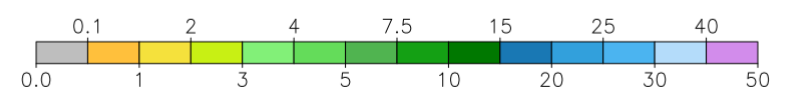
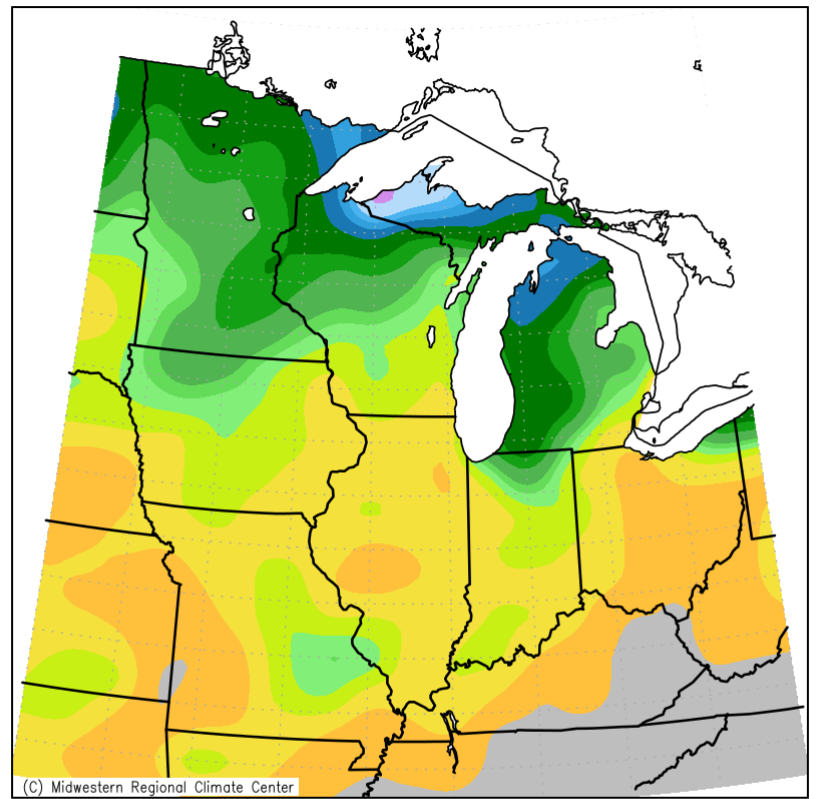
** Flint Bishop snowfall records date back to January 1921.

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

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

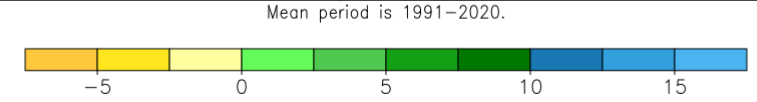
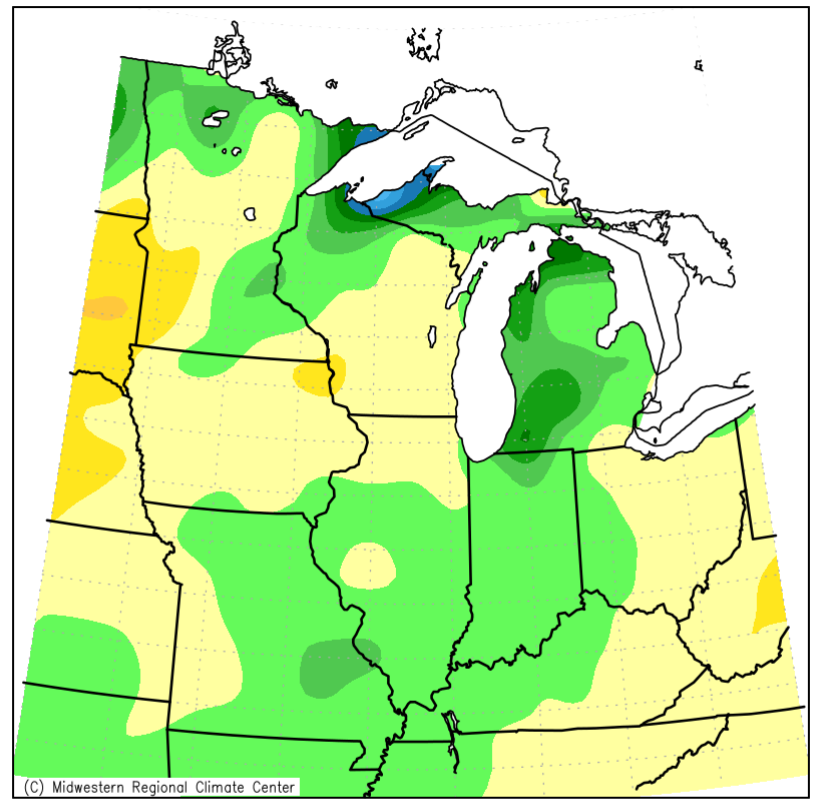
Total Snowfall (left) & Departure from Normal (right)

Accumulated Snowfall (in)
October 1, 2022 to November 30, 2022



Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 12/3/2022 9:00:08 AM CST

Accumulated Snowfall (in): Departure from Mean
October 1, 2022 to November 30, 2022



Midwestern Regional Climate Center
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November 2022 – Significant Weather Events

Follow links for web summaries

Weather Forecast Office
Detroit, MI



No Significant Events in November



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

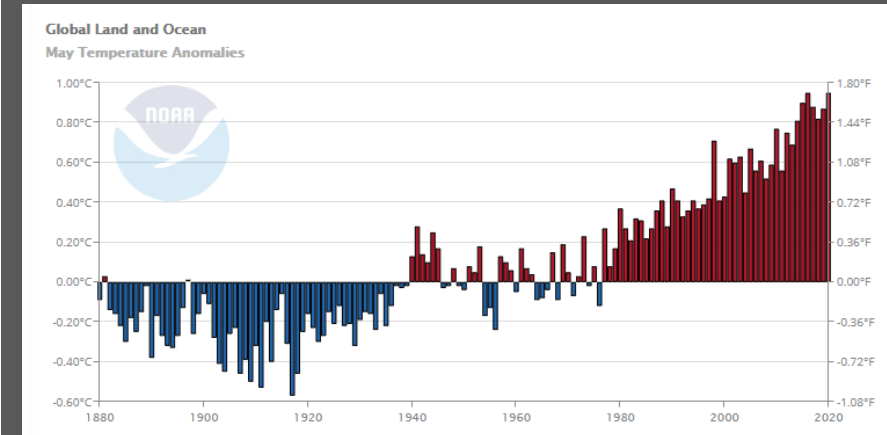
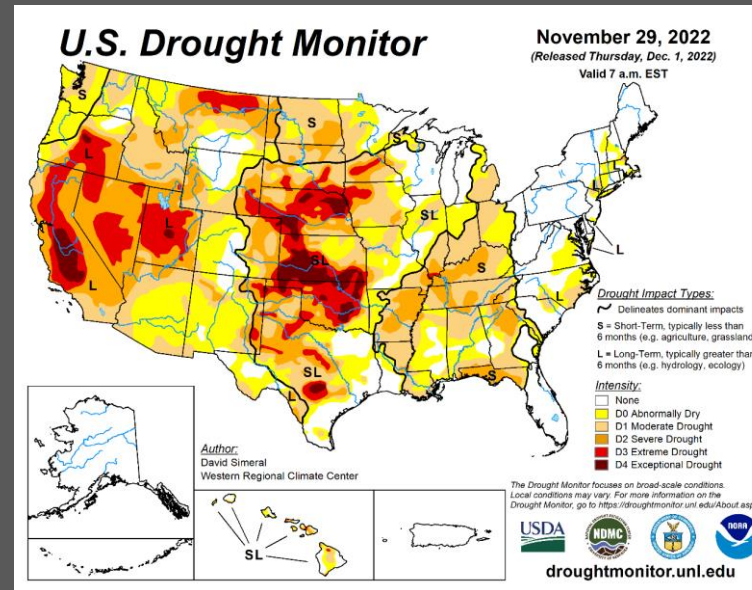
Options Date: 2021-08 **Go**

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.

Common questions - Submit a question/comment -

Powered by **CACIS**
10/22 Regional Climate Centers

The Applied Climate Information System (ACIS) is a joint project of the Regional Climate Centers, the National Centers for Environmental Information (NCEI) and the National Weather Service. Official data and data for additional locations are available from the Regional Climate Centers and NCEI.



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!