

2019 TOP 10 WISCONSIN WEATHER EVENTS

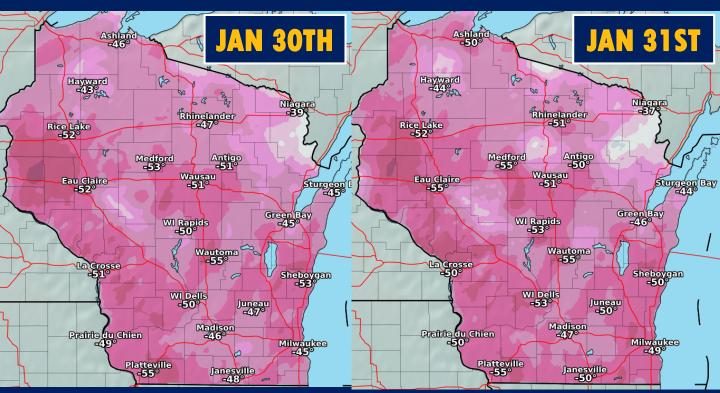
- 1 DANGEROUS COLD OF JANUARY 29-31
- 2 FEBRUARY 12 WINTER STORM
- 3 FEBRUARY 23-24 BLIZZARD
- 4 EAU CLAIRE SEASONAL SNOWFALL RECORD
- 5 HIGH LAKE MICHIGAN WATER LEVELS
- **6 JULY 19 NORTHERN WI BLOWDOWN**
- 7 JULY 20 CENTRAL WI DERECHO
- 8 FALL TORNADOES
- 9 COLD AND SNOWY END OF FALL
- 10 WET 2019

THESE CHRONOLOGICALLY LISTED WEATHER EVENTS HAVE BEEN SELECTED AND COORDINATED BY THE WARNING COORDINATION METEOROLOGISTS FROM THE NATIONAL WEATHER SERVICE OFFICES SERVING WISCONSIN. CLIMATE RELATED INFORMATION AND MAPS ARE FROM THE NATIONAL CENTERS FOR ENVIRONMENTAL INFORMATION AND THE MIDWEST REGIONAL CLIMATE CENTER.

#1 DANGEROUS COLD OF JANUARY 29-31

COLDEST AIR MASS SINCE 1996 BROUGHT 3 DAYS IN A ROW OF SUB-ZERO TEMPERATURES WITH WIND CHILLS OF -30F TO -60F

COLDEST WIND CHILLS



COLDEST AIR TEMPERATURES

BUTTERNUT -49F

GAYS MILLS -45F

BLACK RIVER FALLS -42F

CASHTON -40F

TABILITY TO

HILLSBORO -40F

DARLINGTON -39F

IN THE WAKE OF A WINTER STORM, A DANGEROUSLY COLD AIR MASS SETTLED IN ACROSS THE UPPER MIDWEST FOR THE END OF JANUARY 2019. TEMPERATURES DROPPED ON THE AFTERNOON OF MONDAY THE 28TH AND WOULDN'T GO BACK ABOVE ZERO DEGREES UNTIL FRIDAY MORNING. WINDY CONDITIONS CAUSED THE EXTREME WIND CHILLS ON TUESDAY THE 29TH GOING INTO EARLY WEDNESDAY. WHILE WINDS DROPPED, THE TEMPERATURES FELL EVEN MORE INTO EARLY THURSDAY.



#2 FEBRUARY 12 WINTER STORM

RECORD SETTING FEBRUARY WINTER STORM THAT BROUGHT **UP TO 16" OF SNOW TO CENTRAL TO NORTHEAST WISCONSIN**

SNOW TOTALS

20.0" INDEPENDENCE

18.5" TUNNEL CITY

17.6" TOMAH

17.4" LOYAL

16.0" ALMA

16.0" MINOCQUA

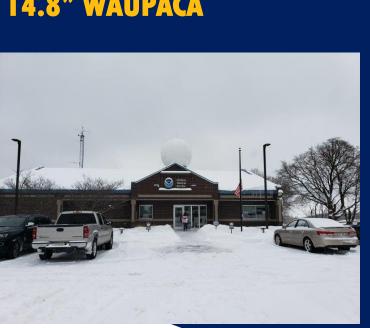
15.7" WAUSAU

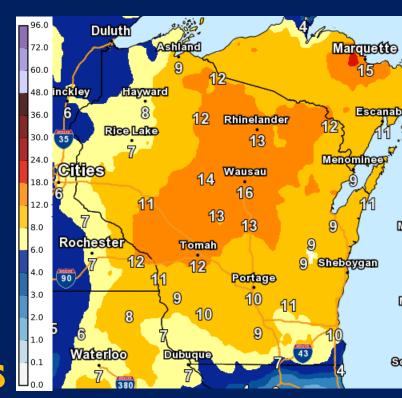
15.4" NEW LONDON

15.4" WISCONSIN RAPIDS

14.9" RHINELANDER

14.8" WAUPACA





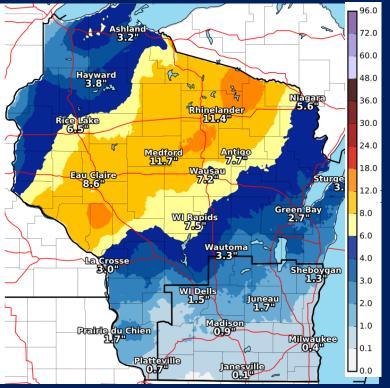
A STORM SYSTEM BROUGHT SNOW FROM MONDAY EVENING ON THE 11TH THROUGH THE EARLY MORNING HOURS OF WEDNESDAY THE 13TH. THE 15.7" OF SNOWFALL IN WAUSAU **WAS THE HIGHEST FEBRUARY STORM TOTAL IN** THEIR HISTORY FOR ANY SINGLE SNOW STORM. RHINELANDER RECORDED 14.9", WHICH WAS THE THIRD LARGEST FEBRUARY SNOWFALL OF ALL TIME.



NWS LA CROSSE

#3 FEBRUARY 23-24 BLIZZARD

BLIZZARD BRINGS WHITEOUT CONDITIONS AND ONE OF THE LARGEST VEHICLE PILE UPS IN WISCONSIN HISTORY



SNOW TOTALS
16.0" INDEPENDENCE
14.8" EAGLE RIVER
13.0" ELEVA
12.6" TOMAH
12.6" ARGONNE
WIND GUSTS (MPH)
60 GREEN BAY
58 WAUSAU
56 MANITOWOC

AN INTENSE WINTER STORM BROUGHT HEAVY SNOW OF OVER A FOOT FROM WEST CENTRAL TO NORTHERN WISCONSIN ALONG WITH UP TO A HALF INCH OF ICE IN CENTRAL WISCONSIN. HIGH WINDS OF 50-60 MPH OCCURRED AS THE SYSTEM MOVED OUT OF THE REGION, WHICH BROUGHT BLIZZARD AND WHITEOUT CONDITIONS, EVEN IN AREAS THAT DIDN'T RECEIVE MUCH SNOW. A LOCALIZED POCKET OF WHITEOUT CONDITIONS OCCURRED NEAR NEENAH ON I-41 WHERE ONE MOTORIST WAS KILLED AND 71 OTHERS INJURED IN A 131 VEHICLE PILE UP. THE TRAFFIC CRASH IS THOUGHT TO BE THE LARGEST IN STATE HISTORY.





#4 EAU CLAIRE SEASONAL SNOW RECORD

SNOWFALL SEASON AT EAU CLAIRE BREAKS THE RECORD FOR MOST SNOW IN A SEASON WITH MOST OF IT FALLING FEB-APR

EAU CLAIRE SNOWIEST

SEASON TOTALS

98.8" 2018-19

89.3" 1996-97

84.9" 1928-29

84.3" 2012-13

78.2" 1968-69

77.6" 1995-96

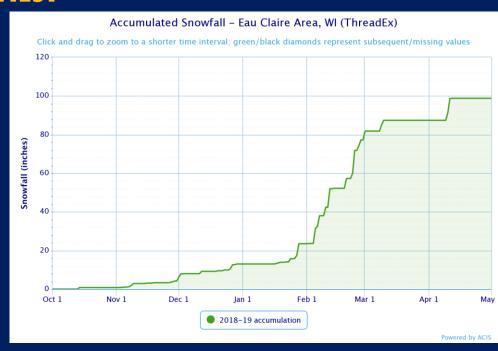
75.8" 1970-71

74.8" 2013-14

71.5" 2010-11

68.7" 1961-62

THE INTERESTING PART OF LAST YEAR'S SNOWFALL ACCUMULATION WAS THAT MOST OF IT OCCURRED AFTER FEBRUARY 1ST. AT THE END OF JANUARY, 23.7" OF SNOW HAD FALLEN, WHICH MEANS THAT 75.1" OF SNOW FELL FROM THEN THROUGH APRIL 12TH(LAST SNOW OF THE SEASON). NUMERIOUS ISSUES WITH THE WEIGHT OF THIS SNOW ON HOUSE/BUILDING ROOFS OCCURRED AS A RESULT OF THESE WET/HEAVY SNOWFALLS.

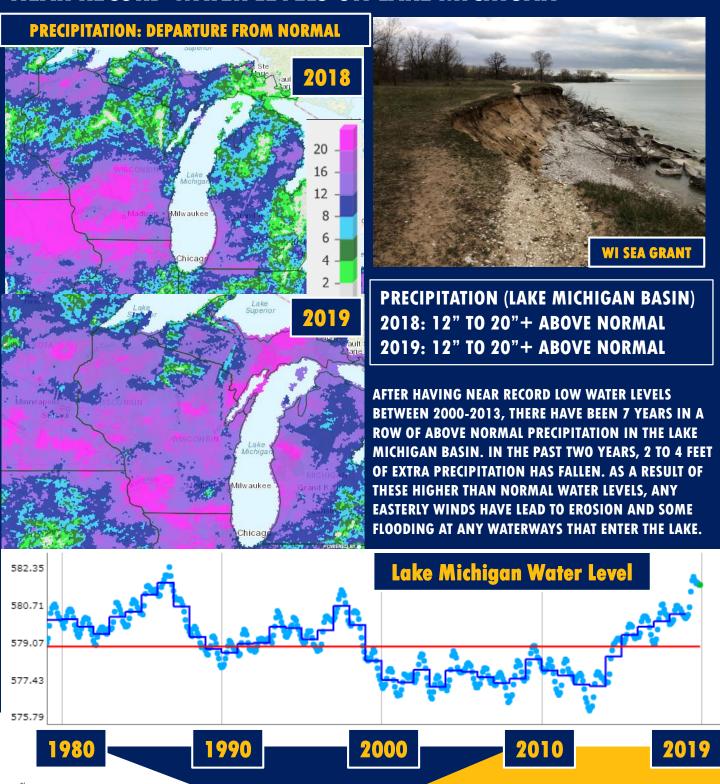






#5 HIGH LAKE MICHIGAN WATER LEVELS

7 YEARS IN A ROW OF ABOVE NORMAL RAINFALL LEADS TO NEAR RECORD WATER LEVELS ON LAKE MICHIGAN



#6 JULY 19 NORTHERN WI BLOWDOWN

MACROBURST LEVELS HUNDREDS OF THOUSANDS OF TREES ACROSS NORTHERN WISCONSIN WITH OVER 100 MPH WINDS



THE WORST DAMAGE WAS ASSOCIATED WITH A "MACROBURST", A LARGE DOWNBURST OF STRAIGHT-LINE WINDS FROM ONEIDA COUNTY THROUGH LANGLADE AND OCONTO COUNTIES. HUNDREDS OF THOUSANDS OF TREES WERE SNAPPED OR UPROOTED, RESULTING IN DAMAGE TO DOZENS OF HOMES AND COTTAGES.

7 TORNADOES ALSO OCCURRED WITH THIS: 4 EF-0 AND 3 EF-1



STRAIGHT-LINE WIND SPEED ESTIMATES





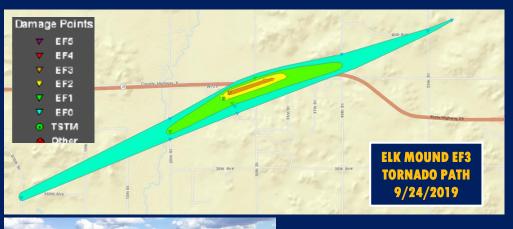
#7 JULY 20 CENTRAL WI DERECHO

SQUALL LINE WITH DAMAGING STRAIGHT LINE WINDS MOVES THROUGH CENTRAL WI ON A SATURDAY MORNING



#8 FALL TORNADOES

LATE SEASON TORNADOES BRING DAMAGE TO WEST CENTRAL AND SOUTHEAST WI, WHICH INCLUDED AN EF-3 BY ELK MOUND

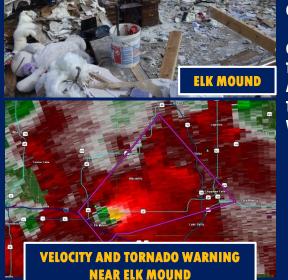


9/24/2019
TORNADOES: MAG:
ELK MOUND EF-3
GREENWOOD EF-1

10/1/2019
TORNADOES: MAG:
FORT ATKINSON EF-0
OTTAWA EF-1

THE STRONGEST TORNADO OF THE YEAR WAS THE EF-3 THAT WENT THROUGH ELK MOUND AND PRODUCED WINDS ESTIMATED TO 150 MPH! ONLY 2 INJURIES AND NO FATALITIES OCCURRED WITH THIS TORNADO. LATER THAT EVENING, ANOTHER TORNADO OCCURRED NEAR GREENWOOD WHICH REACHED EF-1 INTENSITY.

ON OCTOBER 1ST, SOUTHEASTERN WISCONSIN HAD ITS FIRST TORNADOES OF THE YEAR WHEN AN EF-0 OCCURRED IN FORT ATKINSON AND AN EF-1 TRACKED TO WITHIN A MILE AND A HALF OF THE NWS MILWAUKEE/SULLIVAN OFFICE! NO INJURIES OCCURRED WITH THIS STORM.



GREENWOOD EF-1

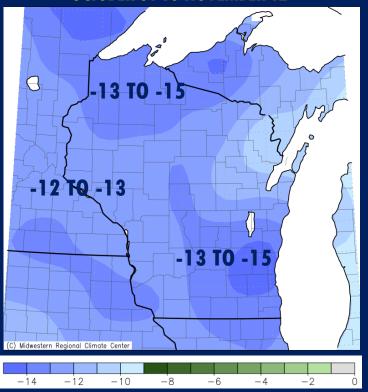
TORNADO PATH 9/24/2019



#9 COLD AND SNOWY EARLY NOVEMBER

WINTER STARTED EARLY IN WISCONSIN THIS YEAR WITH WELL BELOW NORMAL TEMPERATURES FROM LATE OCT TO MID NOV

TEMPERATURE DEPARTURE FROM NORMAL OCTOBER 31 TO NOVEMBER 12



COLDEST AIR TEMPERATURES

FLORENCE -7F

HAYWARD -5F

BUTTERNUT -5F

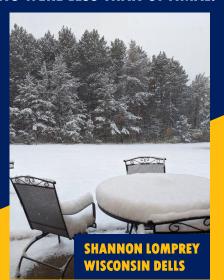
BLACK RIVER FALLS -4F

STEVENS POINT -2F

DARLINGTON -1F



NORTHWESTERLY FLOW ALOFT SETUP ACROSS
THE UPPER MIDWEST FROM LATE OCTOBER
THROUGH MID NOVEMBER. SOUTHERN
WISCONSIN SAW ABOUT A FOOT OF SNOW OUT
OF 3-5 SEPARATE SNOWFALL EVENTS OVER
THIS PERIOD AS WELL. NORMAL FOR THIS
PERIOD IS ABOUT 1 INCH OR LESS.
CONDITIONS FOR HALLOWEEN AND TRICK OR
TREATING WERE LESS THAN OPTIMAL.

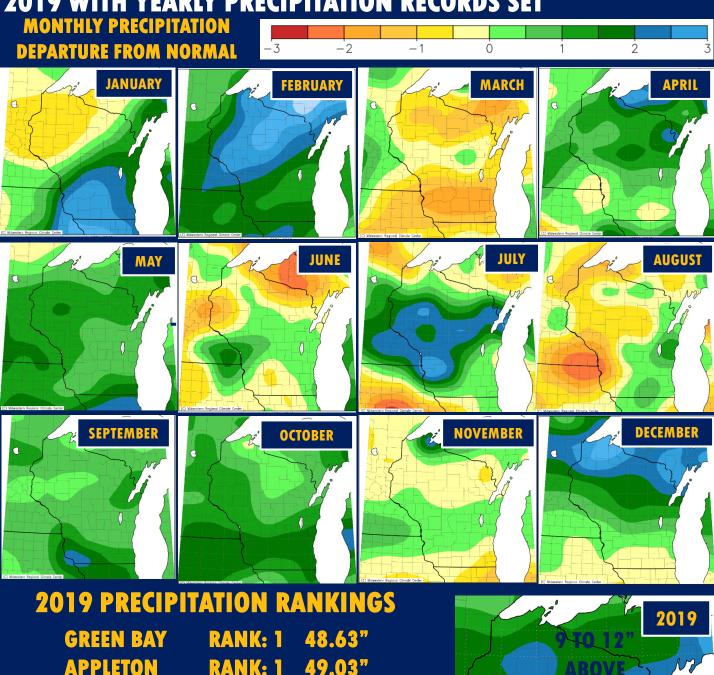




#10 WET 2019

ABOVE NORMAL PRECIPITATION OCCURRED STATEWIDE IN

2019 WITH YEARLY PRECIPITATION RECORDS SET



APPLETON RANK: 1 49.03" WAUSAU RANK: 2 48.15" 46.02" **MILWAUKEE** RANK: 3 **LA CROSSE** RANK: 3 44.67" RANK: 4 **EAU CLAIRE** 44.05 46.38" **MADISON** RANK: 5 **RHINELANDER RANK: 6** 40.88"

