



# **WATERSPOUT GUIDE (1950-2022)**

**FOR NORTH CENTRAL AND NORTHEAST WISCONSIN**

**(LAKE MICHIGAN AND BAY OF GREEN BAY ONLY)**

**BROWN**

**MENOMINEE**

**CALUMET**

**OCONTO**

**DOOR**

**ONEIDA**

**FOREST**

**OUTAGAMIE**

**FLORENCE**

**PORTAGE**

**KEWAUNEE**

**SHAWANO**

**LANGLADE**

**VILAS**

**LINCOLN**

**WAUPACA**

**MANITOWOC**

**WAUSHARA**

**MARATHON**

**WINNEBAGO**

**MARINETTE**

**WOOD**

## TORNADO REFERENCE GUIDE – WATERSPOUTS LAKE MICHIGAN AND THE BAY OF GREEN BAY

Event	Date			Time		Waterspout in GRB Service Area
#	Month	Date	Year	(CST)	Direction / Location	County or Counties
1	6	23	1962	16:30-16:35	2 W Champion	Brown
2	5	21	1970	20:10	Green Bay - north side	Brown
3	7	28	1991	10:15	Near Rock Island	Door
4	7	28	1991	10:15	Near Washington Island	Door
5	8	23	1998	17:30-17:44	3 SW Egg Harbor - 5 SE Egg Harbor	Door
6	8	4	1999	16:05-16:15	21 ESE Sturgeon Bay	Door
7	9	9	1999	14:55	3 N Sister Bay	Door
8	9	19	1999	16:46-17:10	8 SE Sturgeon Bay	Door
9	7	20	2000	12:58	2 W Sister Bay	Door
10	4	23	2001	13:26-13:46	12 NW - 9 NW Sturgeon Bay	Door
11	6	4	2005	17:30	5 E Kewaunee	Kewaunee
12	6	18	2006	16:43	3 NW Sister Bay	Door
13	9	29	2006	09:20-09:55	Chambers Is. - 12 SE Cedar River	Door
14	6	20	2007	16:06	6 NW Ellison Bay	Door
15	5	22	2011	18:05	5 NE Algoma	Kewaunee
16	8	9	2012	12:10-12:20	6 S Kewaunee	Kewaunee
17	8	9	2012	12:25-12:35	6 S Kewaunee	Kewaunee
18	9	18	2012	17:01	3 W Sister Bay	Door
19	10	15	2019	13:00	Death's Door	Door

# **TORNADO REFERENCE GUIDE – WATERSPOUTS LAKE MICHIGAN AND THE BAY OF GREEN BAY**

## **Event 1: June 23, 1962**

The F1 tornado touched down 2 miles west of Champion in eastern Brown County around 4:30 PM CST. According to the local storm report for June of 1962, the tornado became or originated as a waterspout near Point Sauble as the storm was picking up water at times. The tornado/waterspout had a maximum width of 33 yards and traveled 3 miles before dissipating.

## **Event 2: May 21, 1970:**

An airplane pilot reported the tornado just northeast of Green Bay along the shores of the bay of Green Bay in Brown County around 8:10 PM CST. The tornado became a waterspout about four miles northeast of Green Bay. The tornado/waterspout was less than 50 yards wide and was on the ground for about two miles,

## **Event 3: July 28, 1991**

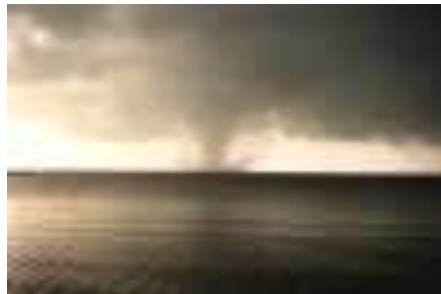
The F0 waterspout was reported near Rock Island across extreme northern Door County at 10:15 AM CST. A second waterspout was reported near Washington Island.

## **Event 4: July 28, 1991**

The F0 waterspout was reported near Washington Island across extreme northern Door County around 10:15 AM CST. A second waterspout was reported near Rock Island around the same time.

## **Event 5: August 23, 1998**

A large waterspout developed over the bay of Green Bay around 5:15 PM CST. The waterspout moved on land and became a strong F3 tornado.



These photos were taken by Tom Janssen II at Murphy Park, which was hit by the tornado. The two on the left show the waterspout just after it developed, around 5:15 PM CST. The third picture was taken a little after 5:20 PM CST. The tornado was off the Door county shore over the Bay of Green Bay.

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## **Event 4 continued: August 23, 1998**



These pictures were taken by Gary Gridley, from Egg Harbor. The photo on the left was taken at 5:25 PM CST. The picture on the right was taken around 5:30 PM CST, as the tornado was coming onshore at Murphy Park.

## **Event 6: August 4, 1999**

The F0 waterspout was reported by a vessel on the lake 21 miles east southeast of Sturgeon Bay in Door County at 4:05 PM CST. The crew of the vessel observed two other waterspouts about 21 miles east southeast of Sturgeon Bay. The U.S. Coast Guard relayed the report they received from the vessel on the lake.

## **Event 7: September 9, 1999**

The F0 waterspout was reported 3 miles north of Sister Bay in Door County at 2:55 PM CST.

## **Event 8: September 19, 1999**

The crew of a ship off the Door County shoreline, 8 miles southeast of Sturgeon Bay, spotted the F0 waterspout at 4:46 PM CST which dissipated at 5:10 PM CST. There may have been other waterspouts in the vicinity of the one reported.

## **Event 9: July 20, 2000:**

Boaters spotted the F0 waterspout two miles west of Sister Bay in Door County at 12:58 PM CST.

## **Event 10: April 23, 2001**

The F0 waterspout developed 6 miles west southwest of Fairland in Door County around 1:26 PM CST. The waterspout moved north along the shoreline before it dissipated 9 miles northwest of Sturgeon Bay around 1:46 PM CST.

## **Event 11: June 4, 2005**

The F0 waterspout touched down on Lake Michigan 5 miles east of Kewaunee in Kewaunee County at 5:30 PM CST.

## **Event 12: June 18, 2006**

The F0 waterspout was reported 3 miles northwest of Sister Bay in Door County at 4:43 PM CST.

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## **Event 13: September 29, 2006**

The F0 waterspout was reported off Door County, from Chambers Island to 12 miles southeast of Cedar River, Michigan around 9:20 AM CST. The last report of the waterspout was around 9:55 AM CST.

## **Event 14: June 20, 2007**

The EF0 waterspout was reported 6 miles northwest of Ellison Bay in Door County at 4:06 PM CST.

## **Event 15: May 22, 2011**

The EF0 waterspout was observed over Lake Michigan about 5 miles northeast of Algoma.

## **Event 16: August 9, 2012**

The EF0 waterspout was reported by a trained spotter over Lake Michigan six miles south of Kewaunee between 12:10 PM and 12:20 PM CST. An upper-level trough of low pressure rotated through Wisconsin, resulting in numerous showers and thunderstorms. Cold air aloft associated with the trough, coupled with the warm waters of Lake Michigan provided favorable conditions for the development of waterspouts.

## **Event 17: August 9, 2012**

The EF0 waterspout was reported by a trained spotter over Lake Michigan six miles south of Kewaunee between 12:25 PM and 12:35 PM CST. An upper-level trough of low pressure rotated through Wisconsin, resulting in numerous showers and thunderstorms. Cold air aloft associated with the trough, coupled with the warm waters of Lake Michigan provided favorable conditions for the development of waterspouts.

## **Event 18: September 18, 2012**

The brief EF0 waterspout was observed on the waters of the Bay of Green Bay three miles west of Sister Bay around 5:01 PM CST. The time of the event was estimated based on the time of 911 calls. A strong upper-level trough and cold air aloft produced conditions favorable for waterspout formation on the waters of Green Bay.

## **Event 19: October 15, 2019**

The EF0 waterspout was observed around 1 PM CST by the Washington Island Coop observer near Deaths Door.

