



MARINE WEATHER

National Weather Service Detroit / Pontiac

Great Lakes Marine Forecasts: weather.gov/greatlakes

The Great Lakes Marine Weather Portal offers a single page that consolidates marine forecast information from all NWS offices around the Great Lakes. Forecasts and observations can be viewed in graphical, text or tabular formats. Links to a wide variety of additional resources for Great Lakes information can also be found in the drop menus at the top of the page.

Drop Menus

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Great Lakes Portal Help | Change Domain | Bookmark | Legend

Wave Height (ft.) valid at: 1 am EST Sun. 3/7/2021

See the Help page for a tour of site functionality

Place live forecast button to produce table of data

Wave Height Wind Speed Wind Gusts

Choose Waves or Wind on Map Display

Table updated: 3:36 am EST Sun. 3/7/2021 (Last Update: 180 minutes ago)
 Click for Text Forecast
 DTX Forecast Discussion
 15 miles NNE of Port Austin, MI

Day of week:	Sunday 3/7						Monday 3/8							
Time:	6AM	9AM	12PM	3PM	6PM	9PM	12AM	3AM	6AM	9AM	12PM	3PM	6PM	9PM
Weather:	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	
Wave Height (ft):	3	2	2	1	1	0	1	2	3	3	3	2	2	
Wave Direction:	↓	↓	↓	↓	↓	↓	↑	↑	↑	↑	↑	↑	↑	
Wave Period (sec):	6	5	5	4	4	4	3	4	4	4	4	4	4	
Wind Speed (kt):	13	11	9	6	5	8	13	17	17	16	14	13	11	
Wind Gust (kt):	18	16	13	10	8	10	15	18	19	18	17	16	15	
Wind Direction (°):	330	340	350	40	120	150	170	180	180	200	220	240	280	
Wind Direction:	↙	↙	↓	↘	↘	↘	↑	↑	↑	↗	↗	↗	↗	
Temperature:	27	27	27	28	29	30	31	32	34	38	41	42	41	
Wind Chill:	15	16	18	21	23	22	20	21	23	28	33	34	34	
Prob. of Precip.:	0	0	0	0	0	0	2	3	2	6	2	0	0	
Precip. Amount:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sky Cover:	74	62	24	8	13	26	72	73	46	43	53	48	42	

NWS Primary Marine Forecasts

NWS Detroit/Pontiac issues daily forecasts for Lake Huron, Lake St. Clair and the Michigan waters of Lake Erie.

Primary elements in these forecasts are wind direction and speed, wave height and weather conditions which may include rain, snow, thunderstorms and other restrictions to visibilities such as fog, and freezing spray.

Continued on back

NATIONAL WEATHER SERVICE

DETROIT/PONTIAC

9200 White Lake Rd
White Lake, MI 48386

Phone: 248-625-3309



NWS meteorologists are on duty 24/7 monitoring satellite, Doppler radar, surface and buoy observations, and Coast Guard reports to stay on top of changing weather scenarios and warn mariners and the public of impending hazards.

Through careful analysis and data interpretation, National Weather Service meteorologists produce high resolution graphical forecasts, as well as watches, warnings, and advisories for hazardous weather that you can see on the Great Lakes Marine Weather Portal. This information is available free online and can be heard on the NOAA Weather Radio All Hazards network 24 hours a day.

Additional NWS Marine Forecast and Safety Information

NWS Warnings/Advisories For Marine Hazards

SPECIAL MARINE WARNING: Issued for a brief/sudden occurrence of sustained wind or frequent gusts > 34 knots and/or waterspouts, usually associated with thunderstorms.

GALE WARNING: A warning of sustained surface winds, or frequent gusts, in the range of 34-47 knots lasting 3 hours or longer.

SMALL CRAFT ADVISORY: Issued only for the near shore waters of the Great Lakes when sustained wind speeds within the range of 15-25 knots or waves of 3 to 5 feet.

STORM WARNING: A warning of sustained surface winds, or frequent gusts, in the range of 48-63 knots.

MARINE WEATHER STATEMENT: Issued to provide details on significant or potentially hazardous conditions, including updates to Special Marine Warnings.

HEAVY FREEZING SPRAY WARNING: An accumulation of freezing water droplets on a vessel at a rate of 2 cm per hour or greater caused by some combination of cold water, wind, cold air temperature and vessel movement.

DENSE FOG ADVISORY: Widespread visibilities reduced to one quarter mile or less in dense fog on land or shoreline areas. Can be issued for up to 1 mile over marine areas.

LOW WATER ADVISORY: An advisory that may be issued to describe water levels which are significantly below average levels and may have an impact on safe navigation.

Marine Safety/Hazard Reporting

- Check the forecast before heading out
- Head for safe harbor at first sign of hazardous weather development
- If caught on the water during a storm— immediately put on personal flotation devices and stay below deck if possible

Interested in assisting the NWS in providing you with even better forecasts?

Report your marine weather conditions. Call NWS Detroit/Pontiac directly at: (248)625-3309 x-468

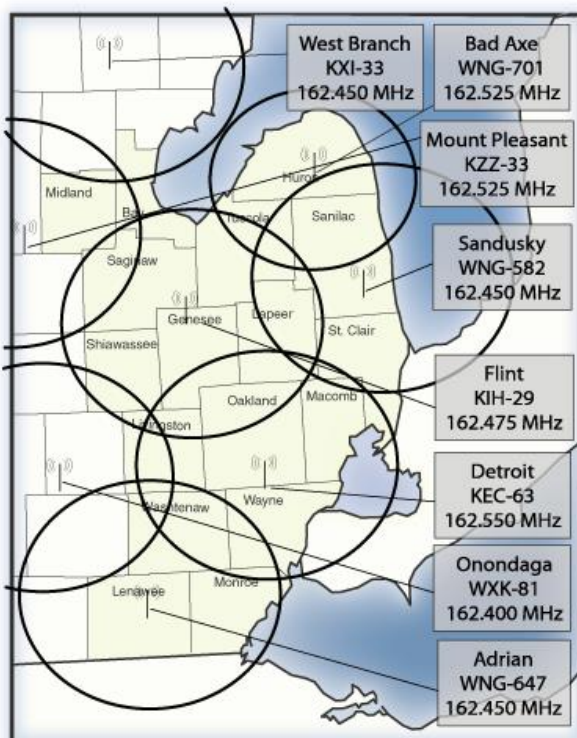
You can also become a volunteer marine observer and submit a [marine report \(MAREP\)](#).

Additional information can be obtained at:
www.weather.gov/marine/voluntary



NOAA Weather Radio

Marine forecasts can be heard on the NOAA Weather Radio All Hazards Network. The marine forecast can be heard every 10 minutes starting at the top of each hour. In addition, hourly buoy observations are broadcast with current wind direction and speed along with wave height.



DIAL-A-BUOY

Dial-A-Buoy: use any touch tone or cell phone

(888) 701-8992

then enter the **5 character station ID**

Saginaw Bay Light 1

SBLM4

South Lake Huron **45008**

