

MARINER REPORT (MAREP) PROGRAM

The National Weather Service (NWS) has established a nationwide MAREP Program to help improve marine warnings and forecasts. As a part of this cooperative effort, mariners forward observational reports of sea and wind conditions to NWS marine forecasters. If you would like to participate or learn more about this volunteer program, please call your nearest NWS office or the Great Lakes Port Meteorological Officer (PMO).

PMO Chicago - 815-834-0600 ext 269



U.S. DEPARTMENT OF COMMERCE National Oceanic and Atmospheric Administration National Weather Service MARINE WEATHER SERVICE CHART GREAT LAKES NOT TO BE USED FOR NAVIGATION

EXPLANATION OF ADVISORIES/WARNINGS

SMALL CRAFT ADVISORY: Issued to alert mariners to sustained (more than two hours) weather or sea conditions, either present or forecast, that might be hazardous to small boats. The threshold conditions for the Small Craft Advisory are usually based on 25 knots of wind or hazardous wave conditions. Decision as to the degree of hazard will be left to the boat operator, based on experience and the size and type of boat. USCG defines small craft as 64 ft or less in length.

GALE WARNING: Issued to indicate winds within the range of 34 to 47 knots are either present or forecast for the area.

STORM WARNING: Issued to indicate winds within the range of 48 to 63 knots are either present or forecast for the area.

HURRICANE FORCE WIND WARNING: Issued to indicate winds of 64 knots or more are either present or forecast for the area.

SPECIAL MARINE WARNING: Issued whenever a severe local storm, waterspout, or strong wind of brief duration is imminent and is not covered by existing warnings or advisories.

NATIONAL WEATHER SERVICE TELEPHONE NUMBERS

Information on Great Lakes marine forecasts, warnings, and advisories can be obtained by calling the following NWS offices:

Table with 3 columns: NWS Office, Telephone, Office Hours/Local Time. Lists offices in Buffalo, NY; Cleveland, OH; Detroit, MI; Gaylord, MI; Grand Rapids, MI; Chicago, IL; Milwaukee, WI; Green Bay, WI; Marquette, MI; Duluth, MN.

\* Recorded forecast only.

NOAA WEATHER RADIO/WEATHER RADIO CANADA

NOAA Weather Radio/Weather Radio Canada broadcasts can usually be received 20-40 miles from the transmitting antenna site, depending on terrain and the quality of the receiver used. Where transmitting antennas are on high ground, the range is somewhat greater, reaching 60 miles or more. The VHF-FM frequencies used for these broadcasts require narrow-band FM receivers. The NWS recommends receivers have a sensitivity of one microvolt or less and a quieting factor of 20 decibels. Some receivers are equipped with a warning alert device that can be turned on by means of a tone or digital signal controlled by the NWS office concerned. Frequencies used include:

Table with 2 columns: US and Canada, Canada Only. Lists frequencies for CH WX 1 through CH WX 7.

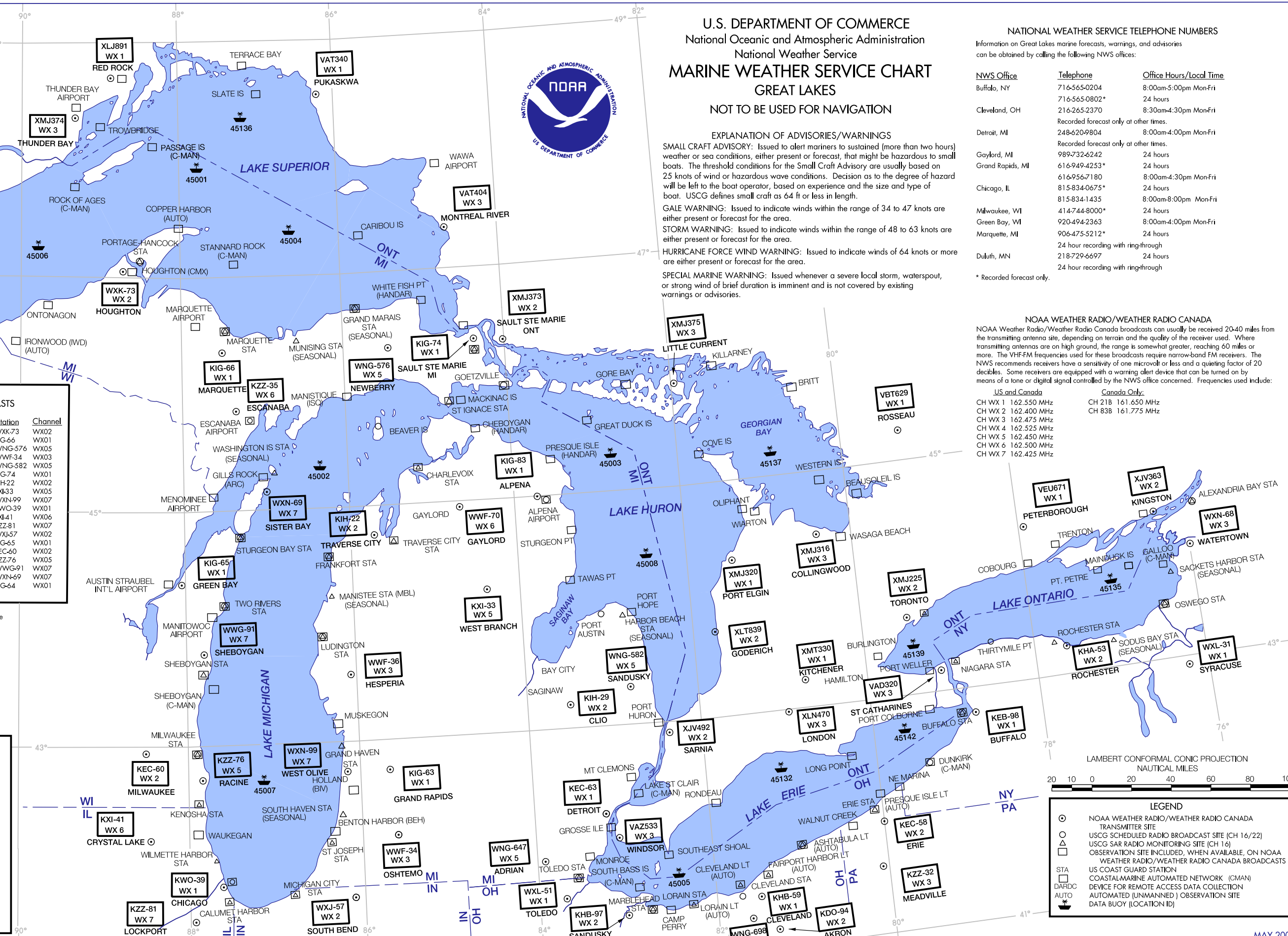
NOAA WEATHER RADIO BROADCASTS VHF-FM CONTINUOUS WEATHER BROADCASTS. Table with 5 columns: City, Station, Channel, City, Station, Channel. Lists stations across the Great Lakes region.

The VHF-FM radio stations, locations shown on the map, are managed by the National Weather Service. Broadcasts are updated every 1 to 6 hours and amended as required; contents vary, but in general, contain the following information:

- 1. Forecasts for the U.S. portion of nearby land areas.
2. Marine forecasts, advisories, and warnings for appropriate lake and nearshore areas.
3. Weather observations from select NWS offices, Coast Guard stations, cooperative marine locations, and automated observation sites.
4. Detailed short term forecasts that relay radar information.
5. Local weather observations and forecasts.
6. Special bulletins and summaries concerning severe weather.

NOTE: All stations broadcast continuously, 24 hours a day.

WEATHER RADIO CANADA STATIONS. Table with 3 columns: City, Station, Channel. Lists Canadian weather radio stations.



LEGEND. Symbols for NOAA Weather Radio/Weather Radio Canada transmitter sites, USCG Scheduled Radio Broadcast sites, USCG SAR Radio Monitoring sites, observation sites, US Coast Guard stations, and various data collection devices.

LAMBERT CONFORMAL CONIC PROJECTION NAUTICAL MILES. Scale bar from 0 to 100 nautical miles.