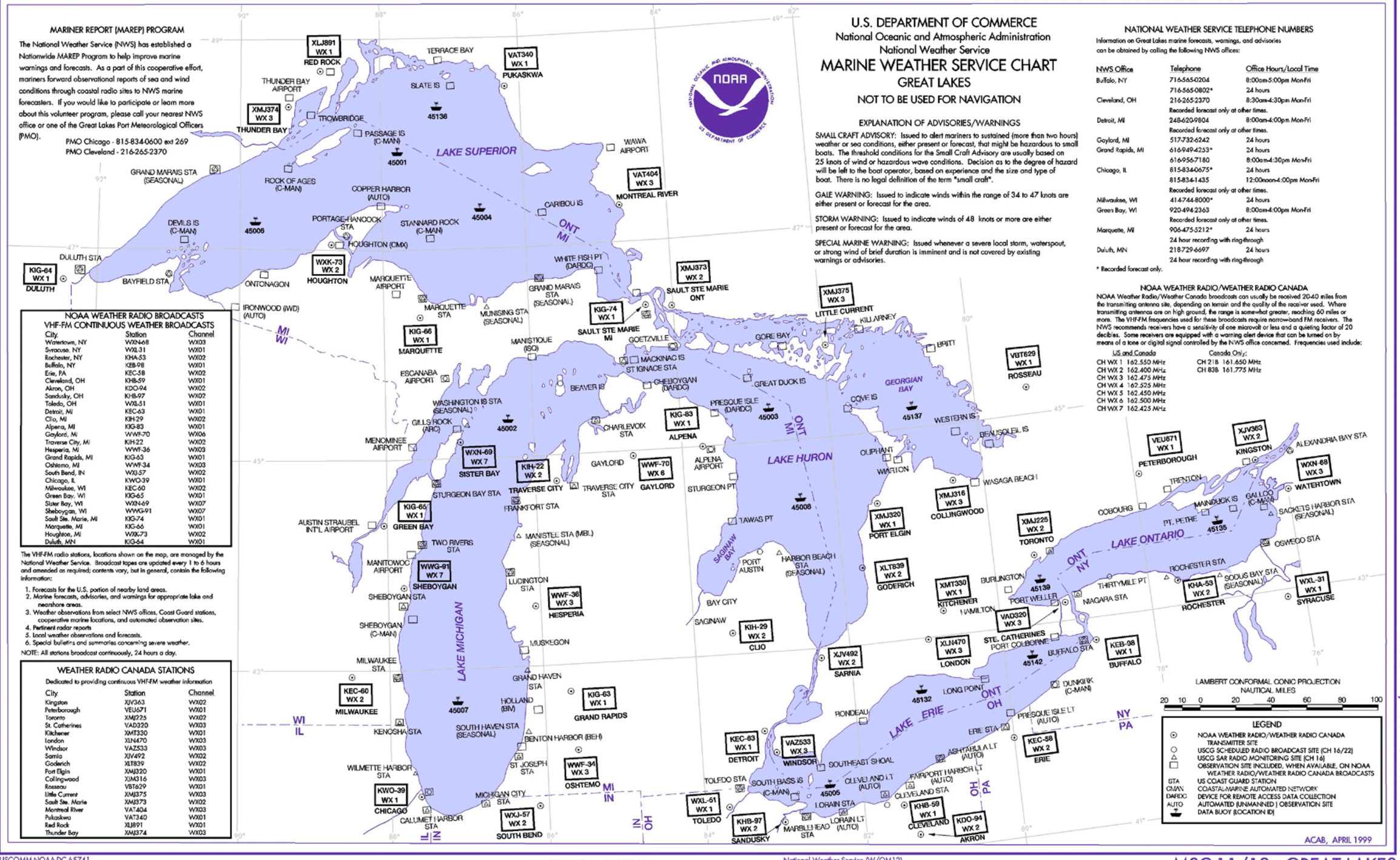
MARINER REPORT (MAREP) PROGRAM

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 through coastal radio sites to NWS marine forecasters. If you would like to participate or learn more about this volunteer program, please call your nearest NWS office or one of the Great Lakes Port Meteorological Officers (PMO).

PMO Chicago - 815-834-0600 ext 269
PMO Cleveland - 216-265-2370

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. There is no legal definition of the term "small craft".

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 of 48 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:

NWS Office	Telephone	Office Hours/Local Time
Buffalo, NY	716-565-0204	8:00am-5:00pm Mon-Fri
	716-565-0802*	24 hours
Cleveland, OH	216-265-2370	8:30am-4:30pm Mon-Fri
	Recorded forecast only at other times.	
Detroit, MI	248-620-9804	8:00am-4:00pm Mon-Fri
	Recorded forecast only at other times.	
Gaylord, MI	517-732-6242	24 hours
Grand Rapids, MI	616-949-4253*	24 hours
	616-956-7180	8:00am-4:30pm Mon-Fri
Chicago, IL	815-834-0675*	24 hours
	815-834-1435	12:00noon-4:00pm Mon-Fri
	Recorded forecast only at other times.	
Milwaukee, WI	414-744-8000*	24 hours
Green Bay, WI	920-494-2363	8:00am-4:00pm Mon-Fri
	Recorded forecast only at other times.	
Marquette, MI	906-475-5212*	24 hours
	24 hour recording with ring-through	
Duluth, MN	218-729-6697	24 hours
	24 hour recording with ring-through	

* Recorded forecast only.

NOAA WEATHER RADIO/WEATHER RADIO CANADA

NOAA Weather Radio/Weather 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 decibles. 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:

US and Canada	Canada Only:
CH WX 1 162.550 MHz	CH 21B 161.650 MHz
CH WX 2 162.400 MHz	CH 83B 161.775 MHz
CH WX 3 162.475 MHz	
CH WX 4 162.525 MHz	
CH WX 5 162.450 MHz	
CH WX 6 162.500 MHz	
CH WX 7 162.425 MHz	

NOAA WEATHER RADIO BROADCASTS
VHF-FM CONTINUOUS WEATHER BROADCASTS

City	Station	Channel
Watertown, NY	WXN-68	WX03
Syracuse, NY	WXL-31	WX01
Rochester, NY	KHA-53	WX02
Buffalo, NY	KEB-98	WX01
Erie, PA	KEC-58	WX02
Cleveland, OH	KHB-59	WX01
Akron, OH	KDO-94	WX02
Sandusky, OH	KHB-97	WX02
Toledo, OH	WXL-51	WX01
Detroit, MI	KEC-63	WX01
Clio, MI	KIH-29	WX02
Alpena, MI	KIG-83	WX01
Gaylord, MI	WWF-70	WX06
Traverse City, MI	KIH-22	WX02
Hesperia, MI	WWF-36	WX03
Grand Rapids, MI	KIG-63	WX01
Ishkemo, MI	WWF-34	WX03
South Bend, IN	WXJ-57	WX02
Chicago, IL	KWO-39	WX01
Milwaukee, WI	KEC-60	WX02
Green Bay, WI	KIG-65	WX01
Sister Bay, WI	WXN-69	WX07
Sheboygan, WI	WWG-91	WX07
Sault Ste. Marie, MI	KIG-74	WX01
Marquette, MI	KIG-66	WX01
Houghton, MI	WXK-73	WX02
Duluth, MN	KIG-64	WX01

The VHF-FM radio stations, locations shown on the map, are managed by the National Weather Service. Broadcast tapes 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. Pertinent radar reports
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

Dedicated to providing continuous VHF-FM weather information

City	Station	Channel
Kingston	XJV363	WX02
Peterborough	VEU671	WX01
Toronto	XMJ225	WX02
St. Catherines	VAD320	WX03
Kitchener	XMT330	WX01
London	XLN470	WX03
Windsor	VAZ533	WX03
Sarnia	XJV492	WX02
Goderich	XLT839	WX02
Port Elgin	XMJ320	WX01
Collingwood	XMJ316	WX03
Rosseau	VBT629	WX01
Little Current	XMJ375	WX03
Sault Ste. Marie	XMJ373	WX02
Montreal River	VAT404	WX03
Pukaskwa	VAT340	WX01
Red Rock	XLJ891	WX01
Thunder Bay	XMJ374	WX03

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NOAA-PA-96064

DISCREPANCY REPORTS SOLICITED
Reports of discrepancies in this chart and any other comments are appreciated and will be used in preparing the next edition.

National Weather Service (W/OM12)
1325 East-West Highway, Room 14126
Silver Spring, MD 20910