

CANADIAN COAST GUARD MARINE COMMUNICATIONS AND TRAFFIC CONTROL CENTRES

161.775 MHz (ch 83B)

Marine Communications and Traffic Services (MCTS) Centres provide continuous marine broadcasts for the Great Lakes region using Marine VHF channels 21B and 83B. A French language broadcast is available for the St. Lawrence River region on channels 23B and 28B. The continuous marine broadcast will be supplemented by live broadcasts of important weather information on receipt with initial call-up on channel 16.

NOAA WEATHER RADIO SPECIFIC AREA MESSAGE ENCODER (SAME)

The Federal Communications Comission (FCC) has approved the special SAME code to delineate marine areas. Mariners with NOAA Weather Radio receivers equipped with SAME should check out

http://www.nws.noaa.gov/om/marine/wxradio.htm for information on how to program their receivers.

For a listing of marine area and zone codes for SAME, go to:

http://www.nws.noaa.gov/geodata/catalog/wsom/html/marinenwreas.htm and click the Emergency Alert System (EAS) link.

DIAL - A - BUOY

Dial-A-Bouy gives mariners an easy way to obtain reports via a cell-phone. Dial-A-Buoy provides wind and wave measurements taken within the last hour at National Data Buoy Center (NDBC) buoy and Coastal-Marine Automated Network (C-MAN) stations. The stations are operated by NDBC, part of the National Weather Service, are located in the Atlantic, Pacific, Gulf of Mexico, and the Great Lakes. The Dial-A-Buoy service has been expanded to include stations owned and operated by other organizations including the United Kingdon Met Office and Environment Canada. To access Dial-A-Buoy, dial (228) 688-1948 using any touch-tone or cell-phone. For internet users, more

BOUY AND C-MAN DATA AVAILABLE VIA E-MAIL (FTPMAIL)

Current bouy and C-MAN data is now available in a very compact form via http:, ftp, or e-mail (FTPMAIL).

http://www.ndbc.noaa.gov/data/latest_obs/

Via ftp:

ftp://www.ndbc.noaa.gov/data/latest_obs/

Via e-mail (FTPMAIL):

http://weather.noaa.gov/pub/fax/bouydata.txt(instructions)

Send an e-mail to:

ftpmail@weather.noaa.gov Put anything you like open www.ndbc.nogg.gov cd data

cd latest obs get 42007.txt get gdil 1.txt

INTERNET ADDRESSES

National Weather Service

http://www.nws.noaa.gov

National Weather Service - MSC Charts http://www.nws.noaa.gov/om/marine/pub.htm

nformation is at: http://seaboard.ndbc.noaa.gov/dial.shtml

National Weather Service - Marine Dissemination http://www.nws.noaa.gov/om/marine/home.htm

National Data Buoy Center http://seaboard.ndbc.noaa.gov

U.S. Coast Guard Navigation Center http://www.navcen.uscg.gov

NATIONAL WEATHER SERVICE RADIOFAX AND TEXT FORCASTS AVAILABLE VIA E-MAIL (FTPMAIL)

National Weather Service radiofax charts and text forecasts are available via E-mail. The FTPMAIL server is intended to allow Internet access for mariners and other users who do not have direct access to the World Wide Web but who are equipped with an e-mail system. Turnaround time is generally in under 1 hour, however, performance may vary widely and receipt cannot be guarenteed. To get started in using the NWS FTPMAIL service, follow these simple directions to the FTPMAIL "help" file (11 bytes).

> Address: ftpmail@weather.noaa.gov Subject: (not required)

Body:

Direct any questions to 301-713-1677, extension 128. or 301-713-0882, extension 122.

OTHER MARINE WEATHER SERVICES CHARTS AVAILABLE

Eastport, ME to Montauk Point, NY Montauk Point, NY to Manasquan, NJ MSC-2 Manasquan, NJ to Cape Hatteras, NC Cape Hatteras NC to Savannah GA nah, GA to Apalachicola, FL Apalachicola, FL to Morgan City, LA Morgan City, LA to Brownsville, TX MSC-6

Mexican Border to Point Conception, CA Point Conception, CA to Point St. George, CA MSC-10 Point St. George, CA to Canadian Border MSC-11/12 Great Lakes MSC-13 Hawaiian Waters

Puerto Rico and Virgin Islands MSC-14 MSC-15 Guam and the Northern Mariana Island

MSC-9

Copies of these charts are available for \$1.25 each from FAA/National Aeronautical Charting Office Distribution Division, AVN-530 6303 lvy Lane, Suite 400 Greenbelt, MD 20770 Telephone: (301) 436-8301 (800) 638-8972 toll free, U.S. only (301) 436-6829 FAX E-mail: 9-AMC-chartsales@faa.gov http://chartmaker.ncd.noga.gov

All of these charts can be viewed on the internet at: http://www.nws.noaa.gov/om/marine/pub.htm

http://chartmaker.ncd.noaa.gov/nsd/states.html

or your local chartagent

CURRENT AREAS OF MARINE FORECAST RESPONSIBILITY FOR NWS GREAT LAKES OFFICES Nearshore zones go out five nautical miles from the coast. Warnings are issued for greas out to mid lake NWS Office Official Area of Responsibility Warning and Forecast Headings WFO Duluth MN Grand Portage to Grand Marais MN Lake Superior Grand Marais to Taconite Harbor MN Taconite Harbor to Silver Bay Harbor MN US-Canadian border to WI/MI border Silver Bay Harbor to Two Harbors MN Two Harbors to Duluth MN Duluth MN to Port Wing WI Port Wing to Sand Island WI Sand Island to Bayfield WI Chequamegon Bay-Bayfield to Oak Point WI Oak Point to Saxon Harbor WI Saxon Harbor WI to Ontonagon MI WFO Marquette M Lake Superior Ontonagon to Upper Entrance of Portage Canal MI Upper Entrance of Portage Canal to Manitou Island MI WI/MI border to Whitefish Point MI Manitou Island to Lower Entrance Light to Portage Lake Keweenaw Bay and Huron Bay, from Lower Entrance Light to Portage Lake to Huron Islands MI Huron Islands to Marquette MI Marquette to Munising MI Munising to Grand Marais MI Grand Marais to Whitefish Pt. MI Lake Superior MAFOR Lake Superior Open Lake (U.S. Portion) Lake Michigan -Schoolcraft/Mackinac MI Seul Choix Pt. to Pt. Detour MI. Bay of Green Bay north of line from Cedar River to Rock Island Passage county line to Rock Island Passage, including northern quarter of Bay of Green Bay WFO Gaylord MI Whitefish Bay (U.S. Portion), Whitefish Pt. to Pt. Iroquois MI Lake Superior Whitefish Bay (U.S.) St. Mary's River and Potagannissing Bay St. Marys River, Pt. Iroquois to Eastern Potagannissing Bay Lake Michigan Mackings Bridge to Seul Chaix Pt. MI Mackinac Bridge to Mackinac Bridge to Norwood Schoolcraft/Mackingo Grand Traverse Bay, Norwood to Grand Traverse Lt MI Grand Traverse Lt. to Sleeping Bear Pt. MI county line and Mackinac Sleeping Bear Pt. to Manistee MI Bridge to Manistee/Mason MI county line Lake Huron - Mackinac Bridge to False Detour Straits of Mackings St Ignace to False Detour Channel Presque Island Lt. to Sturgeon Pt Sturgeon Pt. to Alabaster MI nnel and Mackinac Bridge to losco/Arengo Lake Huron Open Lake (U.S. Portion) Lake Huron MAFOR WFO Detroit MI Lake Huron Saginaw Bay Port Austin to Harbor Beach MI losco/Arenac MI county line to Port Huron Harbor Beach to Port Sanilac MI Port Sanilac to Port Huron MI St. Clair Rive St. Clair Rive Lake St. Clair (U.S. Portion) Lake St. Clair Detroit River Detroit River Lt. to North Cape MI Lake Erie - Detroit River to MI/OH border Bay of Green Bay south of a line from Cedar River MI to Rock Island Passage and north of a line from Marinette WI to Fish Creek WI WFO Green Bay WI Lake Michigan-Rock Island Passage to Manitowocz Sheboygan WI county line Bay of Green Bay south of a line from Marinette WI to Fish Creek WI Lake Michigan from Rock Island Passage to Sturgeon Bay WI including southern three-quarters of Bay of Green Bay Lake Michigan from Sturgeon Bay WI to Two Rivers WI Lake Michigan from Two Rivers WI to Sheboygan WI WFO Milwaukee WI Lake Michigan Sheboygan to Port Washington WI Port Washington to North Pt. Lt. WI North Pt. Lt. to Wind Pt. WI Manitowoc/Sheboygan WI county line to IL/WI Wind Pt. to Winthrop Harbor IL WFO Chicago IL Lake Michigan Open Lake Lake Michiga Lake Michigan MAFOR Lake Michigan Winthrop Harbor to Wilmette Harbor IL IL/WI border to MI/IN Wilmette Harbor to Northerly Island I Northerly Island IL to Calumet Harbor I Calument Harbor IL to Gary IN Gary to Burns Harbor IN Burns Harbor to Michigan City IN Michigan City IN to New Buffalo MI WFO Grand Rapids MI Lake Michigan - MI/IN New Buffalo to St Joseph St Joseph to South Have Mason MI county line South Haven to Holland Holland to Grand Haven Grand Haven to Whitehall Whitehall to Pentwater WFO Cleveland OH Lake Frie Lake Erie Open Lake (U.S. Portion Lake Erie MAFOR Lake Frie Maumee Bay to Reno Beach OH MI/OH border to NY/PA Reno Beach to The Islands OH border The Islands to Vermilion OH Vermilion to Avon Point OH Avon Point to Willowick OH Willowick to Geneva-on-the Lake OH Geneva-on-the Lake to Conneaut OH Conneaut OH to Ripley NY WFO Buffalo NY Lake Erie - NY/PA border Ripley to Dunkirk NY to Buffalo Harbor Dunkirk to Buffalo N Buffalo Harbor and Buffalo Harbor and the Upper Niagara River Nigagra River Lake Ontario Open Lake (U.S. Portion) Lake Ontario MAFOR Niagara River to Hamlin Beach NY Lake Ontario -U.S. /Canadian border near Hamlin Beach NY to Sodus Bay NY Niagara River to U.S./ Sodus Bay to Mexico Bay NY Canadian border at Mexico Bay NY to the St. Lawrence Rive St. Lawrence River St. Lawrence River above Ogdensburg NY St. Lawrence River from Ogdensburg to St. Regis NY St. Lawrence River Lake Ontario to St. Regis

WEATHER SERVICE FOR GREAT LAKES SHIPPING DECODE FOR LAKE AND SEAWAY MARINE FORECASTS (MAFOR)

MAFOR YYG1G1 (Name of Lake) 1GDFmW1 Height of Waves in Fee Time UTC Keyword Day Wind Wind Solidu Weather t End of Message for Direction (Indicating Mont Forecas Each Lake for the Entire Period Forecast Begins UTC G₁G₁ Fm W₁ MAFOR 10 Superior* Waves 5 to 10 Feet @ Group Indicator G - Forecast Period D - Direction Fm - Wind Speed W1 - Forecast Weather 0 - 0 to 10 knot 0 - Moderate or Good Visibility, more than) - Conditions at the 3 nautical miles beginning of the Northeast 11 to 16 knots 2 · East 3 · Southeast Risk of accumulation of ice on superstructure (Temp 23 to 32 degrees F.) 17 to 21 knots orecast period. Valid for 3 hours 3 - 22 to 27 knots Valid for 6 hours 4 - South 4 - 28 to 33 knots 2 - Strong risk, accumulation of ice on superstructure (temp below 23 degrees F - Valid for 9 hours 5 - Southwes 5 - 34 to 40 knots Valid for 12 hour 6 - 41 to 47 knots 3 - Mist (visibility 5/8 to 3 nautical miles) 7 - 48 to 55 knots 4 Fog (visibility less than 5/8 nautical mile) Valid for 18 hours 7 - Northwes · Valid for 24 hours 8 - 56 to 63 knots 9 - Variable 9 - over 63 knots Rain Snow or Rain and snow 8 - Squally weather with or without showers 9 - Occasional

*Statement in plain language of Gale or Storm warnings, if any, will follow name of lake or seaway. Time of warnings are in Eastern Standard Time (EST). Small Craft Advisories are not included in MAFOR broadcasts

The forecast 1GDF_mW₁ may be repeated as many times as necessary to describe the changes in wind and weather expected in a given area during the 24-hour forecast period. The forecast IGDF_mW₁ in which G=1.8, refers to the forecast weather commencing at the time given in the group YYG₁G₁/ and continuing through the period indicated by G. Subsequent IGDF_mW₁ (G=1.8) indicate the period of time that the described weather is forecast to persist, commencing at the end of the period specified in the preceding group 1GDF_mW₁ (G=1-8). Any forecast 1GDF_mW₁ (G=1-8) may be followed by 1GDF_mW₁ (G=1-9); in such cases, G=9 indicates a phenomenon forecast to occur occasionally in the forecast period. On occasion, plain language ds are used to describe weather conditions not easily described by the code tables; times are stated in EST.

Wave forecast indicates the expected wave heights at the downwind end or side of the lake; this being the area where the wave height buildup is greatest. Times in EST. Wave heights are usually specified as a range for the 24-hour period, but significant changes (generally variations of more than 5 feet) will be stated. The MAFOR code is not an exact duplicate of the plain language forecast issued for each lake which should be checked for more detail. When daylight savings time is observed, forecasts begin at 03z, 09z, 15z, and 21z. When standard time is observed, forecasts begin at 04z, 10z, 16z, and 22z. These times are equivalent to 5:00 a.m. & p.m. and 11:00 a.m. & p.m. year around.

GREAT LAKES U.S. COAST GUARD WEATHER BROADCAST VHF VOICE WEATHER BROADCAST CH16/22A

GROUP

BROADCAST TIMES (ALL TIMES IN UTC)

Sault Ste. Marie

Transmitter Sites: North Superior, MN; Duluth, MN; Bayfield, WI; Beaver Island, MI; Goetzville, MI; Sault Ste. Marie, MI; Grand Marais, MI: Marauette, MI: Houghton, MI: Munising, MI: Calumet, MI

Milwaukee

0235 1435

0005.1205

Tranmitter Sites: Sturgeon Bay, WI; Manitowoc, WI; Milwaukee, WI; Chicago, IL; Kenosha, WI; Escanaba, MI

Grand Haven

Tranmitter Sites: Holland, MI; Ludington, MI; Frankfort, MI.

0135, 1335

Transmitter Sites: Cleveland, OH; Marblehead, OH; Toledo, OH; Belle Isle, MI; Port Huron, MI; Port Austin, MI; Alpena, MI.

0255 1455

Transmitter Sites: Ashtabula, OH; Dunkirk, NY; Lewiston, NY; Thirtymile Point, NY; Rochester, NY; Oswego, NY;

Alexandria Bay, NY.

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