

**Minnesota**

NWS Forecast Office Duluth – [www.weather.gov/dlh](http://www.weather.gov/dlh)  
5027 Miller Trunk Highway, Duluth, MN 55811-1442

**New York**

NWS Forecast Office Buffalo – [www.weather.gov/buf](http://www.weather.gov/buf)  
587 Aero Drive, Cheektowaga, NY 14225

**Ohio**

NWS Forecast Office Cleveland – [www.weather.gov/cle](http://www.weather.gov/cle)  
Federal Facilities Building  
Cleveland Hopkins Airport, Cleveland, OH 44135

**Wisconsin**

NWS Forecast Office Green Bay – [www.weather.gov/grb](http://www.weather.gov/grb)  
2485 South Point Road, Green Bay, WI 54313-5522

NWS Forecast Office Milwaukee/Sullivan – [www.weather.gov/mkx](http://www.weather.gov/mkx)  
N3533 Hardscrabble Road, Dousman, WI 53118

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**NOAA Weather Radio**

- (21) National Weather Service VHF-FM radio stations provide mariners with continuous FM broadcasts of weather warnings, forecasts, radar reports and surface weather observations. Reception range is up to 40 miles from the antenna site, depending on the terrain, type of receiver and antenna used. The following VHF-FM radio stations with location of antenna are in or near the area covered by this Coast Pilot.

(22)

Call Sign	Station	Location	Frequency (MHz)
WXN-68	Watertown, NY	43°58'N., 75°55'W.	162.475
WXL-31	Syracuse, NY	42°58'N., 76°12'W.	162.550
KHA-53	Rochester, NY	43°08'N., 77°35'W.	162.400
KEB-98	Buffalo, NY	42°38'N., 78°46'W.	162.550
KEC-58	Erie, PA	42°03'N., 80°00'W.	162.400
KHB-59	Cleveland, OH	41°24'N., 81°51'W.	162.550
KHB-97	Sandusky, OH	41°24'N., 82°49'W.	162.400
WXL-51	Toledo, OH	41°37'N., 83°42'W.	162.500
KEC-63	Detroit, MI	42°28'N., 83°12'W.	162.550
KIH-29	Flint, MI	43°13'N., 83°43'W.	162.475
WNG-582	Sandusky, MI	43°19'N., 82°48'W.	162.450
KXI-33	West Branch, MI	44°13'N., 84°22'W.	162.450
KIG-83	Alpena, MI	45°03'N., 83°43'W.	162.550
WWF-70	Gaylord, MI	44°56'N., 84°40'W.	162.500
KIH-22	Traverse City, MI	44°45'N., 85°40'W.	162.400
WWF-36	Hesperia, MI	43°37'N., 86°04'W.	162.475
WXN-99	West Olive, MI	42°45'N., 86°09'W.	162.425
WXJ-57	South Bend, IN	41°36'N., 86°11'W.	162.400
KWO-39	Chicago, IL	41°53'N., 87°38'W.	162.550
KZZ-76	Racine, WI	42°42'N., 87°50'W.	162.450
WWG-91	Sheboygan, WI	43°45'N., 87°45'W.	162.525
KIG-65	Green Bay, WI	44°24'N., 88°00'W.	162.550
WXN-69	Sister Bay, WI	45°11'N., 87°07'W.	162.425
KZZ-35	Escanaba, MI	45°45'N., 87°05'W.	162.500

Call Sign	Station	Location	Frequency (MHz)
WNG-576	Newberry, MI	46°20'N., 85°25'W.	162.450
KIG-74	Sault Ste. Marie, MI	46°22'N., 84°24'W.	162.550
WXK-73	Houghton, MI	47°02'N., 88°41'W.	162.400
KIG-64	Duluth, MN	46°50'N., 92°04'W.	162.550

(23)

**Marine Weather Forecasts**

(24)

**Coastal Marine Forecasts** are issued four times daily by National Weather Service Offices. For further information on coastal marine forecasts as well as additional types of forecasts, visit: <https://weather.gov/marine/forecast> -and- <https://nowcast.noaa.gov/>

(25)

**Great Lakes Forecasts** are subdivided by zone, each identified by text description and a Universal Generic Code (UGC). The entire text of these forecasts may be found at: <https://www.weather.gov/marine/glcstmz>

(26)

**Space Weather Prediction Center (SWPC)**

(27)

The Space Weather Prediction Center provides real-time monitoring and forecasting of solar and geophysical events that impact satellites, power grids, communications, navigation and many other technological systems.

(28)

NOAA, National Weather Service  
National Centers for Environmental Predictions  
Space Weather Prediction Center, W/NP9  
325 Broadway  
Boulder, Colorado 80305  
[www.swpc.noaa.gov](http://www.swpc.noaa.gov)

(29)

**National Weather Service Port Meteorological Officers (PMOs)**

(30)

**Port Meteorological Officers** provide assistance on matters of weather chart interpretation, instruments, marine weather communications and requirements affecting ship operations. (See **National Weather Service**, chapter 1, for further details.) PMO offices in the area covered by this **Coast Pilot** are as follows:

(31)

**Duluth**— National Weather Service, 5027 Miller Trunk Highway, Duluth, MN 55811-1442.

(32)

**Products and Services—Other U.S. Government Agencies**

(33)

A partial list of publications and charts considered of navigational value is included for the ready reference of the mariner. In addition to the agents located in the principal seaports handling publication sales, certain libraries have been designated by the Congress of the United States to receive the publications as issued for public review.

(34)

**Government Publishing Office**

(35)

U.S. Government Publishing Office  
710 North Capitol Street, NW  
Washington, DC 20401-0001  
202-512-1800  
866-512-1800  
[www.gpo.gov/](http://www.gpo.gov/)  
ContactCenter@gpo.gov

(36)

**Hydrographic Surveys**

(37)

U.S. Army Corps of Engineers hydrographic survey activity is available at: <https://www.mvr.usace.army.mil/Missions/Navigation/Hydrographic-Surveys/HydrographicSurveysMap/>

(38)

**Nautical Charts**

(39)

**Apalachicola, Chattahoochee and Flint Rivers Navigation Charts, Alabama River Charts and Black Warrior-Tombigbee Rivers River Charts**—available from the U.S. Army Corps of Engineer Mobile District for purchase in bound hard copy or as a free download in PDF at [www.sam.usace.army.mil](http://www.sam.usace.army.mil).

(40)

**Flood Control and Navigation Maps of the Mississippi River, Cairo, Illinois to the Gulf of Mexico**—available from the U.S. Army Corps of Engineer Memphis District as a free download in PDF at [www.mvm.usace.army.mil](http://www.mvm.usace.army.mil).

(41)

**Upper Mississippi River Navigation Charts (Mississippi River, Cairo, Illinois to Minneapolis, Minnesota) and Charts of the Illinois Waterway, from Mississippi River at Grafton, Illinois to Lake Michigan at Chicago and Calumet Harbors**—available from the U.S. Army Corps of Engineer Rock Island District for purchase in hard copy format or as a free download in PDF at [www.mvr.usace.army.mil](http://www.mvr.usace.army.mil).

(42)

**Publications and Services**

(43)

**Local Notice to Mariners** are posted weekly by the U.S. Coast Guard Navigation Center at [www.navcen.uscg.gov](http://www.navcen.uscg.gov). The National Geospatial-Intelligence Agency, U.S. Notice to Mariners are available at [msi.nga.mil/NGAPortal/MSI.portal](http://msi.nga.mil/NGAPortal/MSI.portal)

(44)

**Special Notices to Mariners** are issued annually in National Geospatial-Intelligence Agency Notice to Mariners 1. These notices contain important information of considerable interest to all mariners. Interested parties are advised to read these notices.

(45)

**Light List**—maintained by the United States Coast Guard and available online at [www.navcen.uscg.gov](http://www.navcen.uscg.gov). Also see Light List, chapter 1, for additional information.

(46)

**List of Lights, Sailing Directions, Radio Navigational Aids (Pub. 117), American Practical Navigator (Pub. 9) and International Code of Signals (Pub. 102)**—issued by the National

Geospatial-Intelligence Agency and available at [msi.nga.mil/NGAPortal/MSI.portal](http://msi.nga.mil/NGAPortal/MSI.portal).

(47)

The **Nautical Almanac**, the **Air Almanac**, and **Astronomical Almanac**—available through the United States Naval Observatory—[https://www.public.navy.mil/fltfor/cnmoc/Pages/usno\\_test\\_page.aspx](https://www.public.navy.mil/fltfor/cnmoc/Pages/usno_test_page.aspx) -and- <https://bookstore.gpo.gov/agency/united-states-naval-observatory-usno>

(48)

**Dissemination of Marine Weather Information**, maintained by National Weather Service on the internet at [https://www.weather.gov/marine/nws\\_dissemination](https://www.weather.gov/marine/nws_dissemination) -and- **NWS Marine Weather Services** at <https://www.weather.gov/marine/>

(49)

**Navigation Rules and Regulations Handbook**—publication produced by the United States Coast Guard Navigation Standards Branch, which contains International and Inland Rules of the Road and Navigation Regulations. Available for download or viewing at [www.navcen.uscg.gov](http://www.navcen.uscg.gov). Navigation Rules are also found near the end of each individual **Coast Pilot** volume.

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**Offices and Services—Other U.S. Government Agencies**

(51)

**U.S. Army Corps of Engineers (USACE) Offices**

(52)

District/Division Office	Contact Information
Buffalo District Office 1776 Niagara Street Buffalo, NY 14207	<a href="http://www.lrb.usace.army.mil">www.lrb.usace.army.mil</a> 1-800-833-6390
Chicago District Office 231 South LaSalle Street Suite 1500 Chicago, IL 60604	<a href="http://www.lrc.usace.army.mil">www.lrc.usace.army.mil</a> 312-846-5330
Detroit District Office 477 Michigan Avenue Detroit, MI 48226	<a href="http://www.lre.usace.army.mil">www.lre.usace.army.mil</a> 1-888-694-8313
New York District Office 26 Federal Plaza Room 2113 New York, NY 10278	<a href="http://www.nan.usace.army.mil">www.nan.usace.army.mil</a> 917-790-8007
Rock Island District Office Tower Building P.O. Box 2004 Rock Island, IL 61204	<a href="http://www.mvr.usace.army.mil">www.mvr.usace.army.mil</a> 309-794-4200
St. Louis District Office 1222 Spruce Street St. Louis, MO 63103	<a href="http://www.mvs.usace.army.mil">www.mvs.usace.army.mil</a> 314-331-8000

(53)

**Environmental Protection Agency (EPA) Offices**

(54)

**Regional Areas, States and Information****Region 1**

New Hampshire, Vermont, Maine, Massachusetts, Connecticut, Rhode Island  
[www.epa.gov/aboutepa/epa-region-1-new-england](http://www.epa.gov/aboutepa/epa-region-1-new-england)

**Region 2**

New Jersey, New York, Puerto Rico, Virgin Islands  
[www.epa.gov/aboutepa/epa-region-2](http://www.epa.gov/aboutepa/epa-region-2)

**Regional Areas, States and Information****Region 3**

Delaware, Maryland, Virginia, District of Columbia, Pennsylvania  
[www.epa.gov/aboutepa/epa-region-3-mid-atlantic](http://www.epa.gov/aboutepa/epa-region-3-mid-atlantic)

**Region 4**

Alabama, Florida, Georgia, Mississippi, South Carolina,  
 North Carolina  
<https://www.epa.gov/aboutepa/about-epa-region-4-southeast>

**Region 5**

Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin  
[www.epa.gov/aboutepa/epa-region-5](http://www.epa.gov/aboutepa/epa-region-5)

**Region 6**

Louisiana, Texas  
[www.epa.gov/aboutepa/epa-region-6-south-central](http://www.epa.gov/aboutepa/epa-region-6-south-central)

**Region 9**

California, Hawaii, Guam  
[www.epa.gov/aboutepa/epa-region-9-pacific-southwest](http://www.epa.gov/aboutepa/epa-region-9-pacific-southwest)

**Region 10**

Alaska, Oregon, Washington  
[www.epa.gov/aboutepa/epa-region-10-pacific-northwest](http://www.epa.gov/aboutepa/epa-region-10-pacific-northwest)

**U.S. Coast Guard Navigation Center (NAVCEN)**

The Coast Guard Navigation Center provides cutting edge services for safe, secure and efficient maritime transportation. The center operates the Navigation Information Service (NIS), the Maritime Differential GPS (DGPS) and the developing Nationwide Differential Global Positioning System (NDGPS). In addition, NAVCEN serves as the civilian interface for the Global Positioning System and manages other navigation-related projects.

For further information and/or operational questions regarding GPS and DGPS, visit [navcen.uscg.gov](http://navcen.uscg.gov) or contact:

Commanding Officer  
 U.S. Coast Guard Navigation Center  
 NAVCEN MS 7310  
 7323 Telegraph Road  
 Alexandria, VA 20598-7310

**Coast Guard District Offices****Districts, Boundary Description and Contact Information****First Coast Guard District**

Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York except that part north of latitude 42°N and west of longitude 74°39'W; that part of New Jersey, north of latitude 40°18'N, east of longitude 74°30.5'W, and northeast of a line from 40°18'N., 74°30.5'W., north-northwesterly to the New York, New Jersey and Pennsylvania boundaries at Tristate; all U.S. Naval reservations on shore at Newfoundland; the ocean area encompassed by the Search and Rescue boundary between Canada and the United States easterly to longitude 63°W.; thence due south to latitude 41°N; thence southwesterly along a line bearing 219°T to the point of intersection at 37°N., 67°13'W., with a line bearing 122°T from the New Jersey shoreline at latitude 40°18'N, (just south of the Shrewsbury River); thence northwesterly along this line to the coast.

408 Atlantic Avenue  
 Boston, MA  
 02110-3350  
 617-223-8356

**Districts, Boundary Description and Contact Information****Ninth Coast Guard District**

Michigan, New York north of latitude 42°N and west of longitude 74°39'W.; Pennsylvania north of latitude 41°N and west of longitude 78°55'W; Ohio and Indiana north of latitude 41°N; Illinois north of latitude 41°N and east of longitude 90°W; Wisconsin, except south of latitude 46°20'N and west of longitude 90°W; and Minnesota north of latitude 46°20'N.

1240 East Ninth Street  
 Cleveland, OH  
 44199-2060  
 216-902-6073

**Coast Guard Sector Offices**

Note: A Sector Office combines the functions of the Captain of the Port and Marine Inspection Office.

Sectors	Contact Information
Sector Buffalo	One Fuhrmann Boulevard Buffalo, NY 14203 716-843-9315
Sector Detroit	110 Mount Elliot Avenue Detroit, MI 48207 313-568-9525
Sector Sault Sainte Marie	337 Water Street Sault Sainte Marie, MI 49783-9501 906-635-3217
Sector Lake Michigan	2420 South Lincoln Memorial Drive Milwaukee, WI 53207 414-747-7100

**Coast Guard Stations**

The stations listed are in the area covered by this **Coast Pilot**. They have search and rescue capabilities and may provide lookout, communications and/or patrol functions to assist vessels in distress. The National VHF-FM Distress System provides continuous coastal radio coverage outwards to 20 miles on channel 16. After contact on channel 16, communications with the Coast Guard should be on channel 22A. If channel 22A is not available to the mariner, communications may be made on channel 12. Selected stations guard the International Radiotelephone Distress, Safety and Calling Frequencies.

St. Lawrence River	
Station Alexandria Bay	On the south shore of Wellesley Island, 1,400 feet west of Light 195 on Cherry Island.
Lake Ontario	
Station Oswego	On the south side of the basin, about 0.7 mile south of West Pierhead Light.
Station Rochester	East side of entrance to harbor.
Station Niagara	East side of entrance to Niagara River.
Lake Erie	
Station Buffalo	On the south pier at the mouth of Buffalo River.
Station Erie	On the north side of the entrance channel.
Station Ashtabula	On east side of river, about 700 feet north of the highway bridge.
Station Fairport	On west side of mouth of Grand River.
Station Cleveland Harbor	Near the west end of Burke Lakefront Airport on the south side of a small basin.
Station Lorain	North side of the Black River.
Station Marblehead	On Point Marblehead, 1.1 miles northeast of Marblehead Light.