



NOAA charts are available in a variety of formats to meet the specific requirements of all mariners.

Paper Nautical Charts

Lithographically printed, these large format charts are on durable paper, in full color, and have been used by navigators since the age of sail. They are relied on today by professional mariners, the U.S. Navy and Coast Guard, and are widely used by recreational boaters.

<http://www.nauticalcharts.noaa.gov/>

Print On Demand Charts

Print on Demand charts (also called Charts on Demand) are NOAA's traditional paper charts that are being updated daily by NOAA. They are printed only when you or your chart agent places an order. All Notices to Mariners and other critical changes are fully applied by NOAA cartographers with consistency and quality control just before yours are printed. The "Additional corrections through" box in the lower left corner of each POD chart identifies the Notices to Mariners to which the chart is corrected since new edition release. Go to www.Oceangrafix.com for authorized chart agents who sell the up-to-date Print on Demand nautical charts.

<http://nauticalcharts.noaa.gov/pod/Pod.htm>

PocketCharts™

PocketCharts™ are for beginning recreational boaters to use for planning and locating, but not for real navigation. Measuring a convenient 13" by 19", they have a 1/3 scale chart on one side, and safety, boating, and educational information on the reverse. They can be purchased at retail outlets and on the Internet.

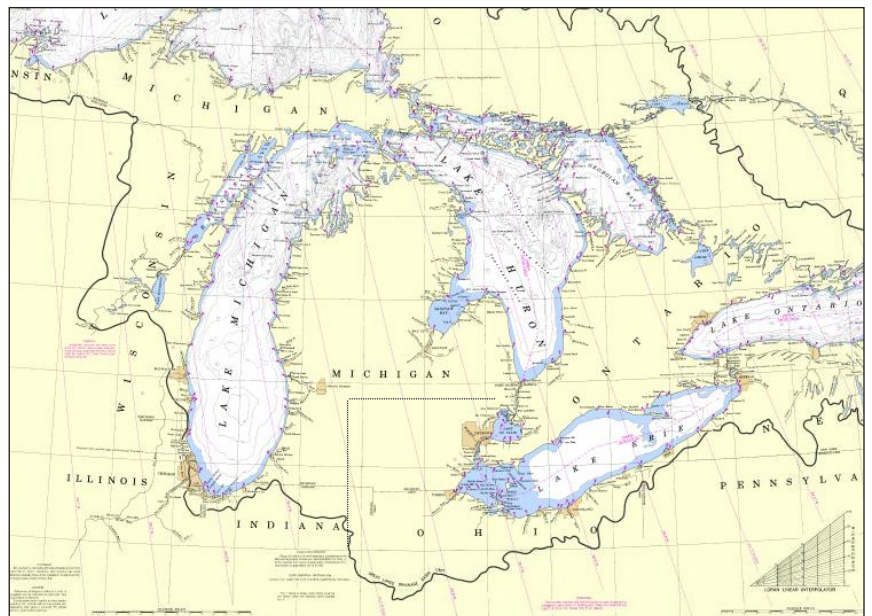
<http://nauticalcharts.noaa.gov/staff/pocketcharts.htm>

Raster Navigational Charts

NOAA Raster Navigational Charts (NOAA RNCS™) are geo-referenced, digital pictures of NOAA's paper nautical charts. They have been prepared for use with electronic charting systems and positioning systems like GPS. This powerful combination offers mariners advanced functionalities such as real-time positioning - the ability to show exactly where you are at any time displayed on the familiar chart image.

NOAA RNCS™ and weekly updates for Notices to Mariners are provided for free over the Internet by NOAA. They conform to the International Hydrographic Organization standard S61, "Raster Navigational Charts," and are intended for use as a primary means of navigation when used in a standards-compliant system as specified in the Code of Federal Regulations.

<http://www.nauticalcharts.noaa.gov/>



ON-LINE CHART VIEWER

NOAA's On-Line Chart Viewer brings the full NOAA chart suite to the Internet. Every chart is available in its latest edition with all Notice to Mariners corrections fully applied. This free service from NOAA lets you quickly pan and zoom around charts, and print chartlets at home.

Use the On-Line Viewer for planning and research. Keep up-to-date on the latest changes to navigational aids in your favorite boating area.

<http://www.nauticalcharts.noaa.gov/mcd/NOAAChartViewer.html>

Electronic Navigational Charts

NOAA Electronic Navigational Charts (NOAA ENC[®]) are databases of nautical chart features and their attributes. They have been prepared for use by professional mariners in Electronic Chart Display and Information Systems. With appropriate software and electronic positioning systems like GPS, they can present a chart-like display suitable for navigation. ENCs support advanced features such as "look-ahead" and alarm capabilities, the ability to delineate safety areas by depth, and to add or suppress layers of information and categories of objects to suit the user's needs.

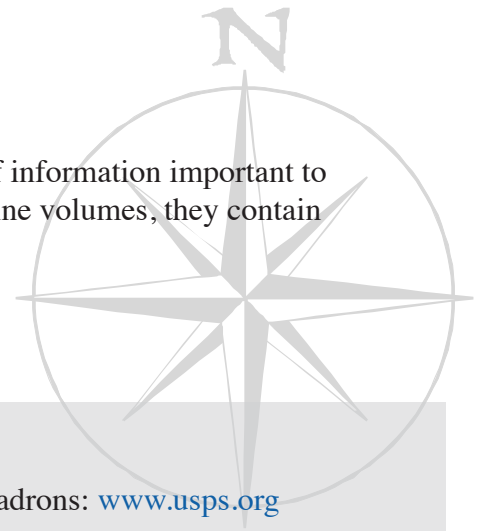
NOAA ENC[®] and weekly updates for Notices to Mariners are provided for free over the Internet by NOAA. They conform to the International Hydrographic Organization standard S57, "IHO Transfer standard for Digital Hydrographic Data," and are intended for use as a primary means of navigation when used in a standards-compliant system as specified in the Code of Federal Regulations.

<http://nauticalcharts.noaa.gov/mcd/enc/index.htm>

The United States Coast Pilot™

The Coast Pilot™ consists of a series of nautical books that cover a variety of information important to navigators of coastal and intracoastal waters and the Great Lakes. Issued in nine volumes, they contain supplemental information that is difficult to portray on a nautical chart.

<http://nauticalcharts.noaa.gov/nsd/coastpilot.htm>



Other NOAA web sites:

- National Geodetic Survey: www.ngs.noaa.gov
- National Geophysical Data Center: www.ngdc.noaa.gov
- National Weather Service: www.nws.noaa.gov
- Search and Rescue Satellite-Aided Tracking: www.sarsat.noaa.gov

U.S. Coast Guard web sites:

- U.S. Coast Guard Local Notice to Mariners (by district): www.navcen.uscg.gov/lnm/default.htm
- U.S. Coast Guard Navigational Center: www.navcen.uscg.gov

Other web sites:

- U.S. Power Squadrons: www.usps.org
- National Geospatial-Intelligence Agency (NGA): www.nga.mil
- Canadian Coast Guard Marine Navigation Services (Notice to Mariners & Light Lists): www.notmarcom
- Canadian Hydrographic Service: www.cartes.gc.ca/chs/en
- U.S. Corps of Engineers (provide information for navigable rivers, ports & channels): www.usace.army.mil
- Government Print Office: www.access.gpo.gov - provides NGA and other publications