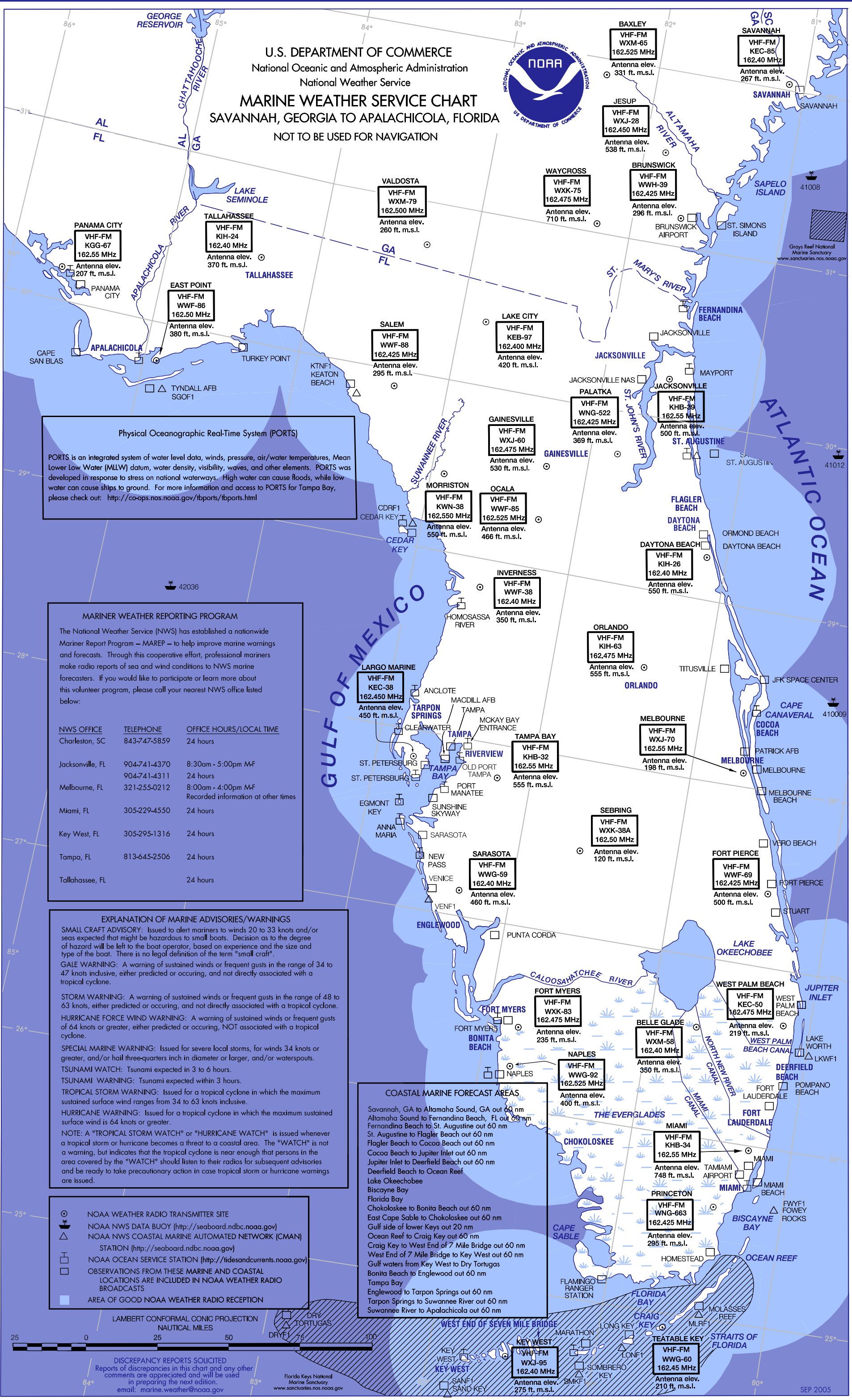
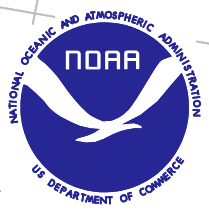


U.S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
National Weather Service  
**MARINE WEATHER SERVICE CHART**  
SAVANNAH, GEORGIA TO APALACHICOLA, FLORIDA  
NOT TO BE USED FOR NAVIGATION



**Physical Oceanographic Real-Time System (PORTS)**

PORTS is an integrated system of water level data, winds, pressure, air/water temperatures, Mean Lower Low Water (MLLW) datum, water density, visibility, waves, and other elements. PORTS was developed in response to stress on national waterways. High water can cause floods, while low water can cause ships to ground. For more information and access to PORTS for Tampa Bay, please check out: <http://co-ops.nos.noaa.gov/tbports/tbports.html>

**MARINER WEATHER REPORTING PROGRAM**

The National Weather Service (NWS) has established a nationwide Mariner Report Program – MAREP – to help improve marine warnings and forecasts. Through this cooperative effort, professional mariners make radio 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 listed below:

NWS OFFICE	TELEPHONE	OFFICE HOURS/LOCAL TIME
Charleston, SC	843-747-5859	24 hours
Jacksonville, FL	904-741-4370 904-741-4311	8:30am - 5:00pm M-F 24 hours
Melbourne, FL	321-255-0212	8:00am - 4:00pm M-F Recorded information at other times
Miami, FL	305-229-4550	24 hours
Key West, FL	305-295-1316	24 hours
Tampa, FL	813-645-2506	24 hours
Tallahassee, FL		24 hours

**EXPLANATION OF MARINE ADVISORIES/WARNINGS**

**SMALL CRAFT ADVISORY:** Issued to alert mariners to winds 20 to 33 knots and/or seas expected that might be hazardous to small boats. Decision as to the degree of hazard will be left to the boat operator, based on experience and the size and type of the boat. There is no legal definition of the term "small craft".

**GALE WARNING:** A warning of sustained winds or frequent gusts in the range of 34 to 47 knots inclusive, either predicted or occurring, and not directly associated with a tropical cyclone.

**STORM WARNING:** A warning of sustained winds or frequent gusts in the range of 48 to 63 knots, either predicted or occurring, and not directly associated with a tropical cyclone.

**HURRICANE FORCE WIND WARNING:** A warning of sustained winds or frequent gusts of 64 knots or greater, either predicted or occurring, NOT associated with a tropical cyclone.

**SPECIAL MARINE WARNING:** Issued for severe local storms, for winds 34 knots or greater, and/or hail three-quarters inch in diameter or larger, and/or waterspouts.

**TSUNAMI WATCH:** Tsunami expected in 3 to 6 hours.

**TSUNAMI WARNING:** Tsunami expected within 3 hours.

**TROPICAL STORM WARNING:** Issued for a tropical cyclone in which the maximum sustained surface wind ranges from 34 to 63 knots inclusive.

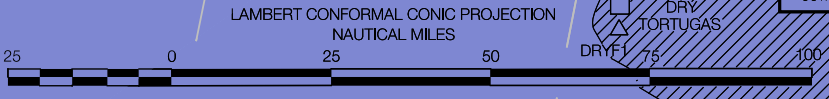
**HURRICANE WARNING:** Issued for a tropical cyclone in which the maximum sustained surface wind is 64 knots or greater.

**NOTE:** A "TROPICAL STORM WATCH" or "HURRICANE WATCH" is issued whenever a tropical storm or hurricane becomes a threat to a coastal area. The "WATCH" is not a warning, but indicates that the tropical cyclone is near enough that persons in the area covered by the "WATCH" should listen to their radios for subsequent advisories and be ready to take precautionary action in case tropical storm or hurricane warnings are issued.

**COASTAL MARINE FORECAST AREAS**

Savannah, GA to Altamaha Sound, GA out 60 nm  
Altamaha Sound to Fernandina Beach, FL out 60 nm  
Fernandina Beach to St. Augustine out 60 nm  
St. Augustine to Flagler Beach out 60 nm  
Flagler Beach to Cocoa Beach out 60 nm  
Cocoa Beach to Jupiter Inlet out 60 nm  
Jupiter Inlet to Deerfield Beach out 60 nm  
Deerfield Beach to Ocean Reef  
Lake Okeechobee  
Biscayne Bay  
Florida Bay  
Chokoloskee to Bonita Beach out 60 nm  
East Cape Sable to Chokoloskee out 60 nm  
Gulf side of lower Keys out 20 nm  
Ocean Reef to Craig Key out 60 nm  
Craig Key to West End of 7 Mile Bridge out 60 nm  
West End of 7 Mile Bridge to Key West out 60 nm  
Gulf waters from Key West to Dry Tortugas  
Bonita Beach to Englewood out 60 nm  
Tampa Bay  
Englewood to Tarpon Springs out 60 nm  
Tarpon Springs to Suwannee River out 60 nm  
Suwannee River to Apalachicola out 60 nm

- ⊙ NOAA WEATHER RADIO TRANSMITTER SITE
- ⚓ NOAA NWS DATA BUOY (<http://seaboard.ndbc.noaa.gov>)
- △ NOAA NWS COASTAL MARINE AUTOMATED NETWORK (CMAN) STATION (<http://seaboard.ndbc.noaa.gov>)
- NOAA OCEAN SERVICE STATION (<http://tidesandcurrents.noaa.gov>)
- OBSERVATIONS FROM THESE MARINE AND COASTAL LOCATIONS ARE INCLUDED IN NOAA WEATHER RADIO BROADCASTS
- AREA OF GOOD NOAA WEATHER RADIO RECEPTION



DISCREPANCY REPORTS SOLICITED  
Reports of discrepancies in this chart and any other comments are appreciated and will be used in preparing the next edition.  
email: [marine.weather@noaa.gov](mailto:marine.weather@noaa.gov)

Florida Keys National Marine Sanctuary  
[www.sanctuaries.nos.noaa.gov](http://www.sanctuaries.nos.noaa.gov)

NOAA WEATHER RADIO BROADCASTS

Table with 4 columns: CITY, STATION, FREQUENCY, BROADCAST TIMES. Lists various NOAA weather radio stations and their broadcast schedules.

These VHF-FM radio stations, locations shown on the map, are managed by the National Weather Service. Broadcasts are updated regularly. Contents of the broadcast vary, but contain the following types of general information.

HIGH SEAS RADIOTELEPHONE WEATHER BROADCASTS FOR ATLANTIC

Table with 4 columns: CITY, STATION, CARRIER FREQUENCY (kHz), BROADCAST TIMES (UTC). Lists high seas radiotelephone weather broadcasts for the Atlantic.

RADIO WWW/WWWH STORM INFORMATION BROADCASTS

HIGH SEAS STORM INFORMATION for the North Atlantic and North Pacific is provided mariners through a cooperative program of two Department of Commerce agencies: the National Weather Service of the National Oceanic and Atmospheric Administration and the National Institute of Standards and Technology.

WWW (FORT COLLINS, CO) FREQUENCIES : 2.5, 5, 10, 15, 20 MHz

The weather broadcast is in 45-second segments separated by a 15-second interval.

Table with 2 columns: TIMES OF BROADCAST, BROADCAST AREA. Lists broadcast times and areas for WWW/WWWH.

Radiofax charts for the Gulf of Mexico, Caribbean, Tropical Atlantic, and Tropical East Pacific are posted at: http://weather.noaa.gov/fax/gulf.sh.html

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

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

Via http: 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/buoydata.txt (instructions)

Send an e-mail to: ftpmail@weather.noaa.gov Subject line: Put anything you like open www.ndbc.noaa.gov cd data cd latest\_obs get 42007.txt get gdil1.txt quit

INTERNET ADDRESSES

- National Weather Service Home Page http://www.nws.noaa.gov
National Data Buoy Center (buoy and CMAN data) http://seaboard.ndbc.noaa.gov
NOAA Ocean Service (tides and other data) http://tidesandcurrents.noaa.gov
U.S. Coast Guard Navigation Center http://www.navcen.uscg.gov
Marine Dissemination Information http://www.nws.noaa.gov/om/marine/home.htm
NWS Tropical Prediction Center http://www.nhc.noaa.gov
NWS Eastern Region Headquarters http://www.erh.noaa.gov/er/hq/
NWS Southern Region Headquarters http://www.srh.noaa.gov

NATIONAL WEATHER SERVICE RADIOFAX CHARTS AND TEXT FORECASTS 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.

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

Direct any questions to 301-713-1677, extension 128, Or marine.weather@noaa.gov

DIAL-A-BUOY

Dial-A-Buoy 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.

NOAA Weather Radio (NWR), Specific Area Message Encoder (SAME), and NWR Coverage

NOAA Weather Radio broadcasts on 162.40, 162.425, 162.45, 162.475, 162.50, 162.525 and 162.55 MHz can usually be received 20-40 miles from the transmitting antenna site, depending on terrain and the quality of the receiver used.

Some receivers are equipped with a warning alarm device that can be turned on by means of a tone signal controlled by the National Weather Service office concerned.

In addition, the Federal Communications Commission (FCC) has approved the special SAME code to delineate marine areas. Mariners with NWR 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/marinewreas.htm

The NOAA Weather Radio coverage areas indicated are estimates. For these maps, transmitter antenna performance are assumed to be omni-directional. As a result, actual coverage can be different from that depicted on this map.

OTHER MARINE WEATHER SERVICES CHARTS AVAILABLE

- MSC-1 Eastport, ME to Montauk Point, NY
MSC-2 Montauk Point, NY to Manasquan, NJ
MSC-3 Manasquan, NJ to Cape Hatteras, NC
MSC-4 Cape Hatteras, NC to Savannah, GA
MSC-5 Savannah, GA to Apalachicola, FL
MSC-6 Apalachicola, FL to Morgan City, LA
MSC-7 Morgan City, LA to Brownsville, TX
MSC-8 Mexican Border to Point Conception, CA
MSC-9 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
MSC-14 Puerto Rico and Virgin Islands
MSC-15 Alaskan Waters
MSC-16 Guam and the Northern Mariana Islands

These charts are also posted at: http://www.nws.noaa.gov/om/marine/pub.htm

WEATHER RULES FOR SAFE BOATING

Before setting out: Obtain the latest available weather forecast for the boating area. Where they can be received, the NOAA Weather Radio continuous broadcasts (VHF-FM) are the best way to keep informed of the expected weather and sea conditions.

- While afloat: 1. Keep a life jacket on and keep a weather eye out for: the approach of dark, threatening clouds, which may foretell a squall or thunderstorm; any steady increase in wind or sea; any increase in wind velocity opposite in direction to a strong tidal current.
2. Check radio weather broadcasts for latest forecasts and warnings.
3. Heavy static on your radio may be an indication of nearby thunderstorm activity.
4. If a thunderstorm catches you while afloat, you should remember that not only gusty winds but also lightning poses a threat to safety.

DETERMINATION OF WIND SPEED BY SEA CONDITION

Table with 5 columns: KNOTS, DESCRIPTIVE, SEA CONDITIONS, WINDFORCE (BEAUFORT), PROBABLE WAVE HEIGHT (FT). Correlates wind speed with sea conditions and wave heights.

BROADCASTS OF MARINE WEATHER FORECASTS AND WARNINGS BY MARINE RADIOTELEPHONE STATIONS

Table with 4 columns: CITY, STATION, FREQUENCY (kHz), BROADCAST TIMES (UTC). Lists marine weather forecast and warning broadcasts.

USCG VHF broadcasts normally contain coastal forecasts. HF broadcasts normally contain offshore forecasts. Marine warnings are broadcast upon receipt.

\*Preceded by announcement on 2182 kHz. ~Preceded by announcement on Ch. 16. #Single sideband, suppressed carrier.

Copies of these charts are available from: FAA Distribution Division, AJW-3550 National Aeronautical Charting Office Greenbelt, MD 20770-1479 (301) 436-8301 (800) 638-8972 toll free, U.S. only (301) 436-6829 FAX Email: 9-AMC-chartsales@faa.gov http://chartmaker.ncd.noaa.gov/nsd/states.html or your local nautical agent: http://www.naco.faa.gov/Agents.asp

Nautical charts for navigation purposes for these coastal areas are available from local marinas, marine supply stores and the above address.