

U.S. DEPARTMENT OF COMMERCE
 National Oceanic and Atmospheric Administration
 National Weather Service
MARINE WEATHER SERVICE CHART
 ALASKAN WATERS
 NOT TO BE USED FOR NAVIGATION

The following Weather Service Offices Provide
 VOICE WEATHER BROADCASTS AND RECEIVE MARINE WEATHER OBSERVATIONS
 ON MARINE VHF CHANNELS

Location	Announce/Monitor	Broadcast	Local Times
Annette	16	9	0600 1550
Barrow	16/68	68	0700 1200 1800
Bethel	16/68	66	0730 1600
Cold Bay	16	9	0915 1715
King Salmon	16		0630 1645 *Apr - Oct only
Kodiak	16		0600 1700
Kotzebue	16/68		0930 1530 *May - Oct only
McGrath	16	7	0700 1900
Nome	16	9	0700 1900
Saint Paul	9	6/9	0600 0730 1400 1700
Yakutat	16	9	0630 1715

Stations request marine weather observations (MAREPs) before each broadcast.
 Radios are monitored during hours that offices are open and personnel are available.

The Following Weather Service Offices Also Provide
 VOICE WEATHER BROADCASTS AND RECEIVE MARINE WEATHER OBSERVATIONS
 ON HF/USB (4125 kHz)

Location	Local Times	HF Call Sign
Yakutat	0515 1930	KGO91
Barrow	0630 1900	KCB53 *Apr 1 - Sep 15 only
Annette	0700 1540	KGD58
Kodiak	0800 1800	KWL38
Cold Bay	1030 2030	KCI95
King Salmon	0930 1630	KCI98
Nome	1130 2130	KCI94

Stations request marine weather observations (MAREPs) before each broadcast.
 Radios are monitored during hours that offices are open and personnel are available.

MARINE WEATHER REPORTING PROGRAM

The National Weather Service (NWS) has established a nationwide Mariner Report Program - MAREP - to help improve marine forecasts, warnings and services. Through this cooperative effort, professional mariners make radio reports of sea, wind, and weather conditions to NWS marine forecasters. Marine observations can be reported via HF/SSB, VHF, cell phone, E-mail or satellite

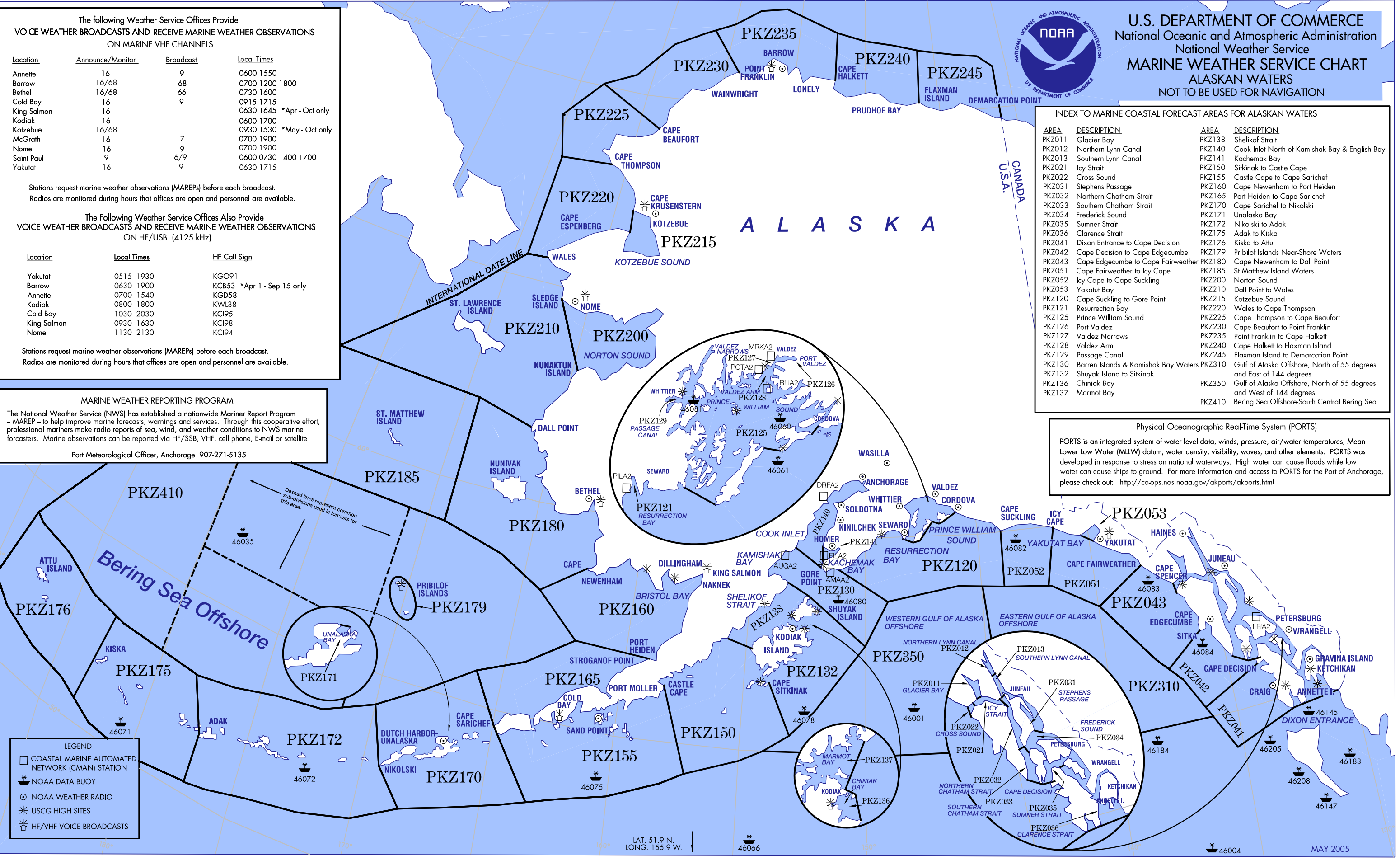
Port Meteorological Officer, Anchorage 907-271-5135

INDEX TO MARINE COASTAL FORECAST AREAS FOR ALASKAN WATERS

AREA	DESCRIPTION	AREA	DESCRIPTION
PKZ011	Glacier Bay	PKZ138	Shelikof Strait
PKZ012	Northern Lynn Canal	PKZ140	Cook Inlet North of Kamishak Bay & English Bay
PKZ013	Southern Lynn Canal	PKZ141	Kachemak Bay
PKZ021	Icy Strait	PKZ150	Sitkinak to Castle Cape
PKZ022	Cross Sound	PKZ155	Castle Cape to Cape Sarichef
PKZ031	Stephens Passage	PKZ160	Cape Newenham to Port Heiden
PKZ032	Northern Chatham Strait	PKZ165	Port Heiden to Cape Sarichef
PKZ033	Southern Chatham Strait	PKZ170	Cape Sarichef to Nikolski
PKZ034	Frederick Sound	PKZ171	Unalaska Bay
PKZ035	Sumner Strait	PKZ172	Nikolski to Adak
PKZ036	Clarence Strait	PKZ175	Adak to Kiska
PKZ041	Dixon Entrance to Cape Decision	PKZ176	Kiska to Attu
PKZ042	Cape Decision to Cape Edgumbe	PKZ179	Pribilof Islands Near-Shore Waters
PKZ043	Cape Edgumbe to Cape Fairweather	PKZ180	Cape Newenham to Dall Point
PKZ051	Cape Fairweather to Icy Cape	PKZ185	St. Matthew Island Waters
PKZ052	Icy Cape to Cape Suckling	PKZ200	Norton Sound
PKZ053	Yakutat Bay	PKZ210	Dall Point to Wales
PKZ120	Cape Suckling to Gore Point	PKZ215	Kotzebue Sound
PKZ121	Resurrection Bay	PKZ220	Wales to Cape Thompson
PKZ125	Prince William Sound	PKZ225	Cape Thompson to Cape Beaufort
PKZ126	Port Valdez	PKZ230	Cape Beaufort to Point Franklin
PKZ127	Valdez Narrows	PKZ235	Point Franklin to Cape Halkett
PKZ128	Valdez Arm	PKZ240	Cape Halkett to Flaxman Island
PKZ129	Passage Canal	PKZ245	Flaxman Island to Demarcation Point
PKZ130	Barren Islands & Kamishak Bay Waters	PKZ310	Gulf of Alaska Offshore, North of 55 degrees and East of 144 degrees
PKZ132	Shuyak Island to Sitkinak	PKZ350	Gulf of Alaska Offshore, North of 55 degrees and West of 144 degrees
PKZ136	Chiniak Bay	PKZ410	Bering Sea Offshore-South Central Bering Sea
PKZ137	Marmot Bay		

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 the Port of Anchorage, please check out: <http://co-ops.nos.noaa.gov/akports/akports.html>



LEGEND

- ☐ COASTAL MARINE AUTOMATED NETWORK (CMAN) STATION
- 🚤 NOAA DATA BUOY
- 📡 NOAA WEATHER RADIO
- ⚓ USCG HIGH SITES
- 📻 HF/VHF VOICE BROADCASTS

LAT. 51.9° N.
 LONG. 155.9° W.

MAY 2005

NWS PRODUCTS VIA WWV, WWVH HF VOICE

The National Institute of Standards and Technology (NIST) broadcasts a time and frequency service from stations WWV in Fort Collins, CO and WWVH in Kauai, HI, commonly known to mariners as the "Time Tick" used as an aid in celestial navigation.

WWV (Fort Collins, CO)
FREQUENCIES : 2.5, 5, 10, 15, 20 MHz (AM)

TIMES OF BROADCAST
8 minutes past the hour
9 minutes past the hour
10 minutes past the hour

BROADCAST AREA
Atlantic highseas warnings
Atlantic highseas warnings
Pacific highseas warnings

WWVH (Hawaii)
FREQUENCIES : 2.5, 5, 10, 15 MHz (AM)

TIMES OF BROADCAST
48 - 51 Minutes past the hour

BROADCAST AREA
Pacific highseas warnings

DIAL-A-BUOY

Mariners can obtain the latest coastal and offshore weather observations through a new telephone service called Dial-A-Buoy. This service provides wind and wave measurements taken within the last hour at stations located in coastal waters around the United States and in the Great Lakes.

To access Dial-A-Buoy, dial 1-228-688-1948 using a touch tone or cellular phone. Enter the five-digit station identifier in response to the prompt. The Dial-A-Buoy menu tree has a selection for the caller to receive a map of buoy station identifiers via return call fax. Station identifiers also can be obtained at the following web site: http://www.ndbc.noaa.gov.

Commercial Broadcast AM and FM Radio Stations That Broadcast NWS Forecasts and Warnings

Table with 3 columns: Location, Station, Frequency. Lists various stations across Alaska and their broadcast frequencies.

Marine and aviation weather for Alaska are given every evening on "Alaska Weather", on most Alaska PBS television stations.

Radio Broadcasts of Marine Weather Warnings and Forecasts by Coast Guard Stations

I. Voice Broadcasts
HF Weather Broadcasts are on 2670 Khz and 6501 Khz (USB) from Kodiak at 0200 and 1645 UCT.
Weather warnings are broadcast immediately upon receipt.

Table with 4 columns: Location, Station, Frequency, Time (UCT). Lists broadcast times for Kodiak and Adak.

*Adak area information broadcast from Kodiak.

National Weather Service Points of Contact

Marine weather forecasts and warnings, when issued can be obtained, by telephone, as follows:

Table with 4 columns: Location, Station, Frequency, Time. Lists contact information for various stations including Cordova, Juneau, Sitka, Wrangell, Yakutat, Annette, Anchorage, Barrow, Bethel, Cold Bay, Fairbanks, Homer, Juneau, King Salmon, Kodiak, Kotzebue, Nome, St. Paul, Valdez, and Yakutat.

The complete weather line menu can be found at: http://www.arh.noaa.gov/info/awl.html

INTERNET ADDRESSES

- National Weather Service Alaska Region
National Weather Service Current Weather Data
National Data Buoy Center
U. S. Coast Guard Navigation Center
Marine Product Dissemination Information
National Weather Service - MSC charts
Meteorological Services of Canada
WFO Anchorage
WFO Fairbanks
WFO Juneau

MARINE RADIOFACSIMILE CHARTS THROUGH E-MAIL

National Weather Service radiofax charts broadcast by the U.S. Coast Guard from Pt. Reyes, CA are available via E-mail. Marine text products are also available through this service.

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

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

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.

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 within the range of 48 to 63 knots, are either present or forecast for the area.

HURRICANE FORCE WIND WARNING: Issued to indicate winds of 64 knots or above, no matter how high the speed, are either present or forecast for the area.

SPECIAL MARINE WARNING: Issued whenever a severe local storm or strong wind of brief duration is imminent, or for volcanic ash fallout and is not covered by existing warnings or advisories.

HEAVY FREEZING SPRAY: An accumulation of freezing water droplets on a vessel at a rate of 2 cm per hour or greater caused by a combination of cold water, wind, cold air temperature, and vessel movement.

TSUNAMI WARNING/WATCH: Issued by the National Weather Service, West Coast/Alaska Tsunami Warning Center, Palmer Alaska, for long period water waves which were generated by an earthquake, and when issued as a warning are less than 2 hours travel time to the warning area.

NATIONAL WEATHER SERVICE MARINE WEATHER CHARTS U.S. COAST GUARD COMMS STATION KODIAK, ALASKA

Table with 3 columns: CALL SIGN, FREQUENCIES (kHz), TIMES. Lists call signs and frequencies for various marine weather charts.

WEATHER RADIOFACSIMILE TRANSMISSION SCHEDULE

Select a carrier frequency 1.9kHz below those listed when using a single sideband radio in the USB mode to receive these broadcasts.

Table with 2 columns: Transmission Time (UTC), Title. Lists transmission times and titles for various weather forecasts and analyses.

A comprehensive set of NWS Marine Weather Charts for the Eastern Pacific are broadcast from U.S. COAST GUARD STATION POINT REYES, CALIFORNIA

Table with 3 columns: CALL SIGN, FREQUENCIES (kHz), TIMES. Lists call signs and frequencies for Eastern Pacific marine weather charts.

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:

For a listing of marine area and zone codes for SAME, go to: http://www.nws.noaa.gov/geodata/catalog/wsom/html/marinewreas.htm

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: fipmail@weather.noaa.gov
Subject Line: Put anything you like
Body: open www.ndbc.noaa.gov cd data cd latest_obs get 42007.txt get gdil1.txt quit

OTHER MARINE WEATHER SERVICES CHARTS AVAILABLE

Table with 3 columns: MSC-1 through MSC-16, listing various marine weather services and their locations.

NOAA Weather Radio Continuous VHF Weather Broadcast

Table with 6 columns: Location, Station, Frequency (Mhz). Lists NOAA Weather Radio stations and their frequencies.

Marine Weather Radio VHF Broadcast Frequencies

- Channel 1 ~ 162.550 MHz
Channel 2 ~ 162.400 MHz
Channel 3 ~ 162.475 MHz
Channel 4 ~ 162.425 MHz
Channel 5 ~ 162.450 MHz
Channel 6 ~ 162.500 MHz
Channel 7 ~ 162.525 MHz

MSC charts can be viewed at http://www.nws.noaa.gov/om/marine/pub.htm

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

Copies of these charts are available for \$1.25 each from:
FAA, National Aeronautical Charting Office
Distribution Division, AVN-530
Telephone Toll-Free: (800) 638-8972
E-Mail: 9-AMC-Chartsales@FAA.gov