



BOWDITCH *PLUS!*

The Complete Navigator's Library

Table of Contents



The American Practical Navigator (Bowditch 2017)

The US encyclopedia of navigation, some 1000 pages covers all aspects of navigation, weather, and oceanography. This is the 2017 edition. Note that cel nav coverage is reduced each year, as sections on electronic navigation are expanded. For best cel nav coverage, see 1977 (the green ones) or earlier editions... or the Starpath ebook version of the 1851 edition.



US Coast Pilots (9 Volumes)

Presents crucial information for navigation that is not included on charts. Nine volumes of extensive and valuable information including weather and emergency services covers all US waters. These are mandatory references for any cruising.



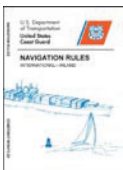
Distances Between US Ports

Similar to Pub 151 for world ports, but limited to US coastal ports, including the Intracoastal Waterway, navigable river systems, and the Great Lakes.



Radar Navigation and Maneuvering Board Manual

A textbook on marine radar use and operation. A bit outdated in places, but still a primary reference used in radar schools today. This new edition also includes a complete copy of the book called Maneuvering Board Manual, Pub. 217, which covers methods of solving various vector problems.



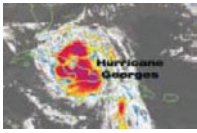
Navigation Rules

The official USCG edition of the Rules of the Road along with light and sound specifications and other regulations. Covers International and US Inland waters.



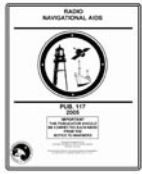
Weather Fax Schedules

Frequencies, content, and times of broadcast for all weather fax broadcasts worldwide. This list is periodically updated and can be found online at the Oceans Prediction Center section of the NWS.



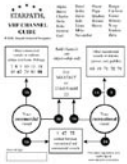
Mariner's Guide to Hurricanes

A complete mini textbook on hurricanes written by Eric Holweg. Examples are from the North Atlantic, but useful information about all tropical cyclones. This is a NOAA publication.



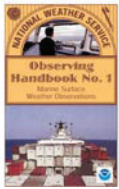
Radio Navigational Aids (Pub. 117)

A primary reference book for any radio equipped vessel. Especially valuable for world cruisers. Lists all services and frequencies, worldwide.



Frequency Lists

A series of documents on frequencies for VHF and HF (SSB) radios. Includes both communications and services.



National Weather Service Handbook

A textbook for professional weather observers used by the ships working with the NWS. Includes much general and interesting information as well, such as explanations of old sayings, cloud identification, and so on.



USCG Light Lists (7 Volumes)

A textbook for professional weather observers used by the ships working with the NWS. Includes much general and interesting information as well, such as explanations of old sayings, cloud identification, and so on.



Marine Weather Services Charts (16 Regions)

Marine Weather Services Charts. Covers all US waters in 13 charts. Each chart lists all sources and the locations of the reporting and broadcasting stations. A crucial reference for anyone who wants to get the most out of NWS data.



Navigation Calculators

More than 30 custom calculators for all aspects of navigation and weather. Originally individual items from NGA (formerly NIMA), here built into a convenient package by Starpath.

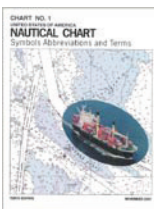


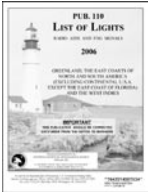
Chart Symbols and Abbreviations

Called "Chart No. 1" by some, and "Chart H-5000" or "INT 1" by other nations, this is the complete presentation of all nautical chart symbols used internationally, conveniently indexed by name and graphic design.



Sight Reduction Tables (Pub. 229)

Pub. 229 in 6 volumes.



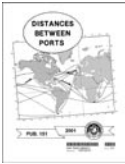
NGA List of Lights, Radio Aids and Fog Signals (6 Publications)

International list of lights and other nav aids from NGA (formerly NIMA). The counterpart for US waters is published by USCG. These are annual publications that can be updated at www.nga.mil. List location and all characteristics of each aid.



Sailing Directions (42 Publications)

These are effectively the “Coast Pilots” of international waters made by the US. They include a wealth of navigation information for voyage planning in international waters and visiting foreign countries. Together with the Pilot charts they form the starting point for any international ocean voyage. Note the editions called Planning Charts are more general than those with specific regions named.



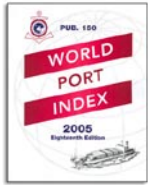
Distances Between Ports (Pub. 151)

Essentially a waypoint guide giving lat and lon of world ports and the great circle distances between them.



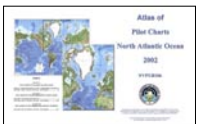
International Code of Signals (Pub. 102)

Covers all forms of signaling, still a required reference for ocean yacht racing. It is clearly valuable to know how to communicate visually or by code if need be. This book tells how.



World Port Index (Pub. 150)

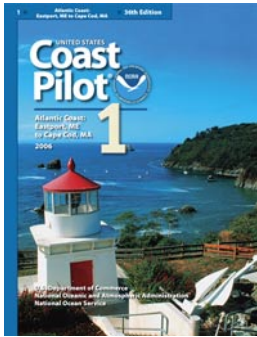
Lists locations and services of all world ports. A convenient searchable interface has been added here by Starpath to match the online version. Also included is an alphabetical list of ports if the spelling is uncertain.



Pilot Charts (5 Atlases)

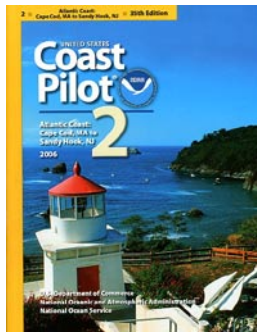
Pilot Charts depict averages in prevailing winds and currents, air and sea temperatures, wave heights, ice limits, visibility, barometric pressure, and weather conditions at different times of the year. They also include great circle routes between major ports which is where navigators would expect more ship traffic. These charts and the associated Planning Guides and Sailing Directions are the starting point for planning ocean voyages. Note the variation data included may be outdated for the older editions.

US Coast Pilots



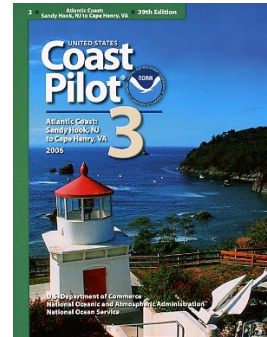
Coast Pilot 1

Atlantic Coast:
Eastport, ME to
Cape Cod, MA



Coast Pilot 2

Atlantic Coast:
Cape Cod, MA to
Sandy Hook, NJ



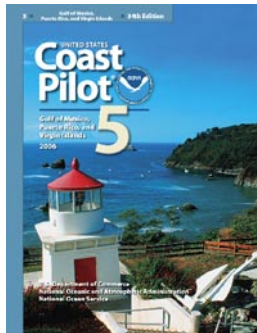
Coast Pilot 3

Atlantic Coast:
Sandy Hook, NJ to
Cape Henry, VA



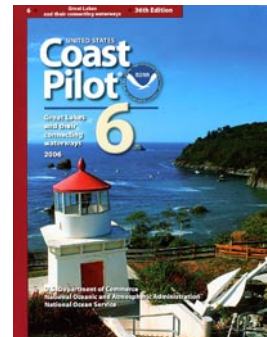
Coast Pilot 4

Atlantic Coast:
Cape Henry, VA to
Key West, FL



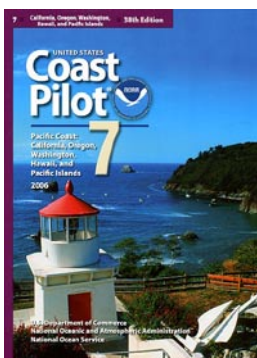
Coast Pilot 5

Gulf of Mexico,
Puerto Rico, and
Virgin Islands



Coast Pilot 6

Great Lakes
and their Connecting
Waterways



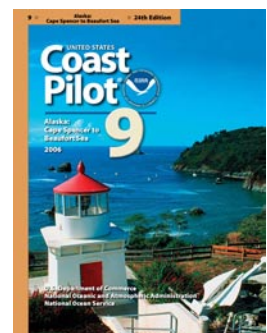
Coast Pilot 7

Pacific Coast:
California, Oregon,
Washington, Hawaii,
and Pacific Islands



Coast Pilot 8

Alaska:
Dixon Entrance to
Cape Spencer



Coast Pilot 9

Alaska:
Cape Spencer to
Beaufort Sea



USCG Light Lists

Volume 1

St. Croix River, Maine to
Shrewsbury River, New Jersey

Volume 2

Shrewsbury River, New Jersey to
Little River, South Carolina

Volume 3

Little River, South Carolina to Econfina River, Florida
(Includes Puerto Rico and the U.S. Virgin Islands)

Volume 4

Econfina River, Florida
to the Rio Grande, Texas

Volume 5

Mississippi River and
its navigable tributaries

Volume 6

Pacific Coast and
outlying Pacific Islands

Volume 7

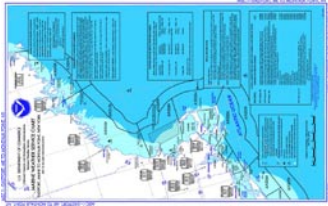
Great Lakes and the St. Lawrence River
above the St. Regis River



Marine Weather Services Charts

MSC 1

Eastport, ME to
Montauk, NY



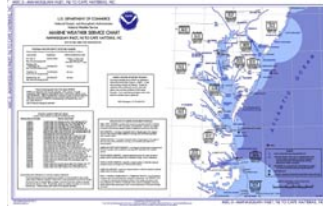
MSC 2

Montauk, NY to
Manasquan Inlet, NJ



MSC 3

Manasquan Inlet, 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



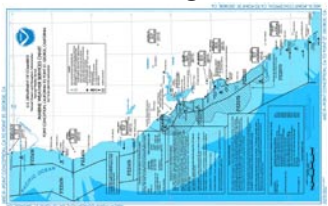
MSC 8

Mexican Border to
Point Conception, CA



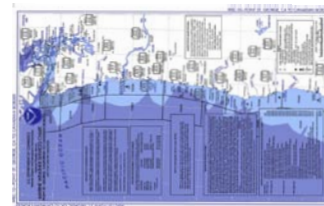
MSC 9

Point Conception, CA to
Point St. George, CA



MSC 10

Point St. George to
Canadian Border



MSC 11/12

Great Lakes



MSC 13

Hawaiian waters and
Central Pacific



MSC 14

Puerto Rico and
Virgin Islands



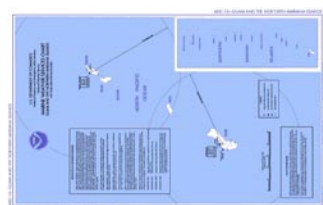
MSC 15

Alaskan Waters



MSC 16

Guam and the
Northern Mariana Islands



NOTICE

These MSC charts are no longer supported by the NWS. Limited budget has kept them from being updated. Nevertheless, these charts remain a useful starting point to record your own corrections as needed, after which case they become valuable aids. Some updates can be found at nws.noaa.gov/om/marine/recent.htm.

NGA List of Lights

Pub. 110

Greenland, The East Coasts of
North and South America
(Excluding Continental U.S.A.
Except the East Coast of FL and the West Indies)

Pub. 111

The West Coasts of North and South America
(Excluding Continental U.S.A. and Hawaii),
Australia, Tasmania, New Zealand and the Islands
of the North and South Pacific Oceans

Pub. 112

Western Pacific and Indian Oceans
Including the Persian Gulf and Red Sea

Pub. 113

The West Coasts of Europe and Africa,
The Mediterranean Sea, Black Sea and Sea of Azov

Pub. 114

British Isles, English Channel and North Sea

Pub. 115

Norway, Iceland and Arctic Ocean

Pub. 116

Baltic Sea with Kattegat, Belts and Sound and Gulf of Bothnia



Sailing Directions

Pub 120 Pacific Ocean and Southeast Asia (Planning Guide)

Pub 123 Southwest Coast of Africa

Pub 124 East Coast of South America

Pub 125 West Coast of South America

Pub 126 Pacific Islands

Pub 127 East Coast of Australia and New Zealand

Pub 131 Western Mediterranean

Pub 132 Eastern Mediterranean

Pub 140 North Atlantic Ocean, Baltic Sea, North Sea, and Mediterranean Sea (Planning Guide)

Pub 141 Scotland

Pub 142 Ireland and the West Coast of England

Pub 143 West Coast of Europe and Northwest Africa

Pub 145 Nova Scotia and the St. Lawrence

Pub 146 Newfoundland, Labrador, and Hudson Bay

Pub 147 Caribbean Sea Volume I

Pub 148 Caribbean Sea Volume II

Pub 153 West Coasts of Mexico and Central America

Pub 154 British Columbia

Pub 155 East Coast of Russia

Pub 157 Coasts of Korea and China

Pub 158 Japan Volume I

Pub 159 Japan Volume II

Pub 160 South Atlantic Ocean and Indian Ocean (Planning Guide)

Pub 161 South China Sea and the Gulf of Thailand

Pub 162 Philippine Islands

Pub 163 Borneo, Jawa, Sulawesi, and Nusa Tenggara

Pub 164 New Guinea

Pub 171 East Africa and the South Indian Ocean

Pub 172 The Red Sea and the Persian Gulf

Pub 173 India and the Bay of Bengal

Pub 174 Strait of Malacca and Sumatera

Pub 175 North, West and South Coasts of Australia

Pub 180 Arctic Ocean (Planning Guide)

Pub 181 Greenland and Iceland

Pub 182 North and West Coasts of Norway

Pub 183 Northern Coast of Russia

Pub 191 English Channel

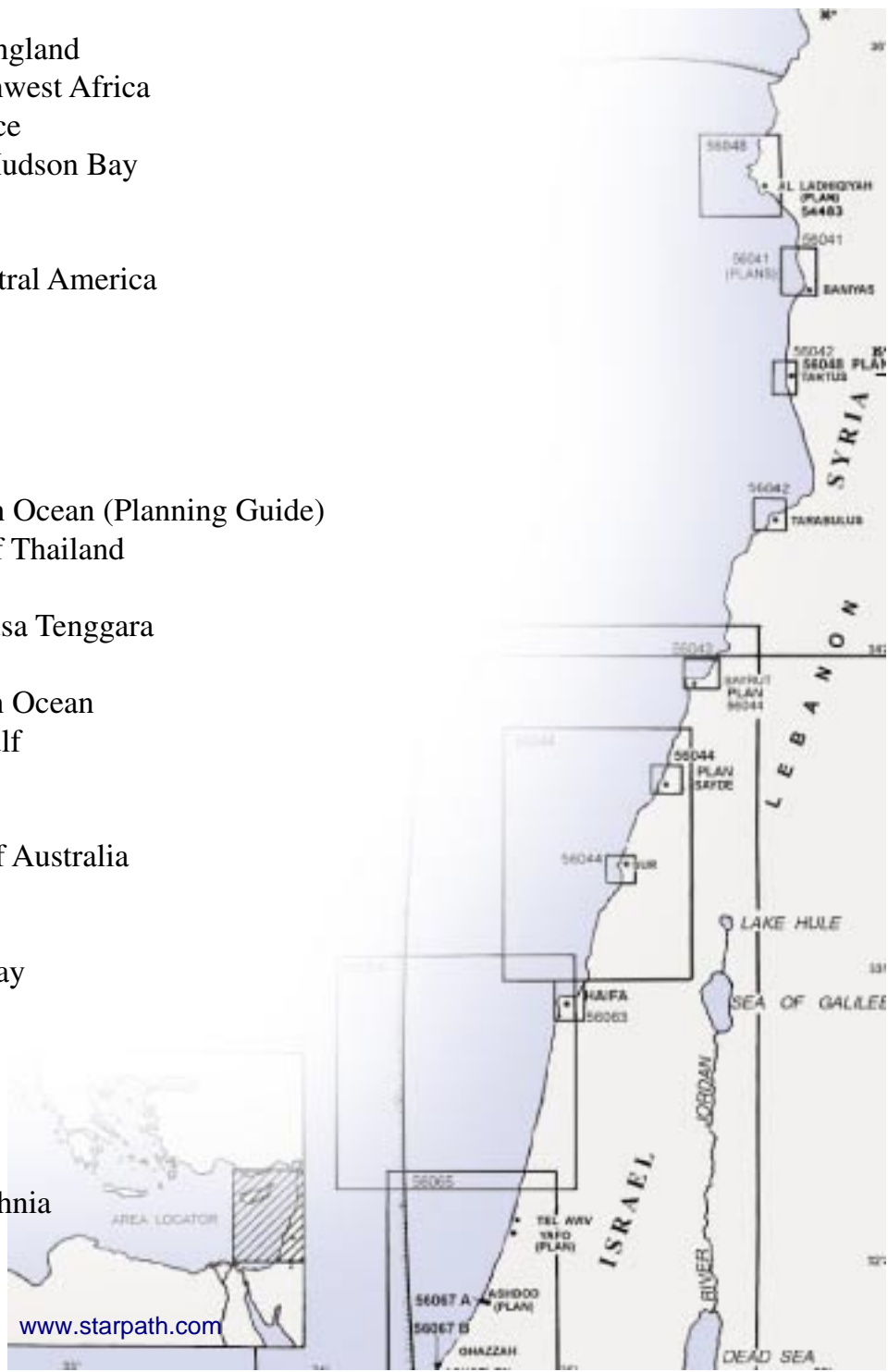
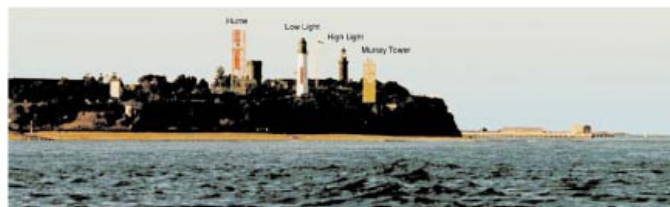
Pub 192 North Sea

Pub 193 Skagerrak and Kattegat

Pub 194 Baltic Sea (Southern Part)

Pub 195 Gulf of Finland and Gulf of Bothnia

Pub 200 Antarctica (Planning Guide)



Sailing Directions Limits Graphic

Pilot Charts

Pub. 105

South Atlantic

Pub. 106

North Atlantic

Pub. 107

South Pacific

Pub. 108

North Pacific

Pub. 109

Indian Ocean

