



No. 3



15 JANUARY 2011

UNITED STATES OF AMERICA

# NOTICE TO MARINERS



Published Weekly by the  
National Geospatial-Intelligence Agency

Prepared Jointly with the  
National Ocean Service and U.S. Coast Guard

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Visit the Maritime Safety Web site at <http://msi.nga.mil/NGAPortal/MSI.portal>

## IMPORTANT INFORMATION

The Notice to Mariners is published by the National Geospatial-Intelligence Agency (NGA), under the authority of Department of Defense Directive 5105.40, to advise mariners of important matters affecting navigational safety, including new hydrographic discoveries, changes in channels and navigational aids, etc. (U.S. Code Title 10, Sec. 442 and Title 44, Sec. 1336 refer). Nothing in the arrangement of information implies endorsement or acceptance by NGA in matters affecting the status and boundaries of States and territories. The Notice to Mariners presents corrective information affecting charts, NGA/DLIS Catalog of Maps Charts and Related Products, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NGA List of Lights, Radio Navigational Aids and other products produced by the National Geospatial-Intelligence Agency, National Ocean Service and U.S. Coast Guard.

Information for the Notice to Mariners is contributed by the following Agencies: National Geospatial-Intelligence Agency (NGA) (Department of Defense) for waters outside the territorial limits of the United States; National Ocean Service (NOS) (Department of Commerce), which is charged with the surveys and charting of the coasts and harbors of the United States and its territories; the U.S. Coast Guard (USCG) (Department of Homeland Security), which is responsible for the safety of life at sea and the establishment and operation of aids to navigation; and the U.S. Army Corps of Engineers (Department of Defense), which is charged with the improvement of rivers and harbors of the United States. In addition, important contributions are made by foreign hydrographic offices and cooperating observers of all nationalities.

For further information concerning NGA hydrographic products and services, including the Maritime Safety Web site, users may contact:

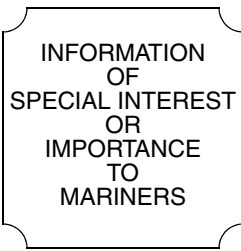
<u>Name</u>	<u>Telephone</u>	<u>DSN</u>	<u>FAX</u>
Maritime Domain	301-227-3370	287-3370	301-227-4211
World Wide Navigational Warning Service	301-227-3147	287-3147	301-227-3731
Maritime Safety Web site	301-227-3296	287-3296	301-227-4211
Notice to Mariners: Regions 1 and 2	301-227-3122	287-3122	301-227-3175
Notice to Mariners: Regions 3 thru 9	301-227-3146	287-3146	301-227-3175
Sailing Directions, Fleet Guides	301-227-3180	287-3180	301-227-3174
Navigation Publications	301-227-3120	287-3120	301-227-3731
DLA Catalog of Maps Charts and Related Products	269-961-7766	661-7766	269-961-7791

The Maritime Safety Web site can be accessed directly at <http://msi.nga.mil/NGAPortal/MSI.portal>. For your convenience NGA provides four e-mail addresses. For information affecting Notice to Mariners use MCDNtM@nga.mil, for information affecting Sailing Directions and all other navigational publications use MCDPubs@nga.mil, for information concerning the Maritime Safety Web site, use webmaster\_nss@nga.mil and for information concerning the World Wide Navigational Warning Service, use NavSafety@nga.mil.

Mariners are requested to notify NGA of discrepancies in charts and publications, using the Marine Information Report and Suggestion Sheet at the back of this Notice to Mariners. This form should also be used to report permanent changes, additions, or deletions from charted or published information. Reports which constitute an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. All reports are greatly appreciated. Marine Information Report and Suggestion sheets received during the past week were submitted by the following observers:

<b>Observer</b>	<b>Ship/Organization</b>
LTJG Anthony J. Schweiss	USS HALSEY
Zachary Williamson	USS SCOUT
LT William Green	USNA
LTJG William Fyfe	USCGC MIDGETT

**Cover Photo: USS SENTRY (MCM-3)** is the third mine countermeasure ship of the *Avenger-class*, was built at Peterson Builders, Inc. in Sturgeon Bay, Wisconsin and commissioned 2 September 1989. Mine countermeasure ships are designed as minesweepers/hunter-killers capable of finding, classifying and destroying moored and bottom mines. This is accomplished using the AN/SQQ-32 mine-hunting sonar, and once the target is classified mine-like, the AN/SLQ-48 Mine Neutralization System (MNS) Vehicle is deployed to identify and destroy bottom mines, or cut the cable of a moored mine. The MNS Vehicle is remotely piloted and controlled by an operator in the Combat Information Center (CIC). Mines can also be swept using a variety of acoustic, magnetic, or mechanical sweep configurations. The ships are of fiberglass sheathed, wooden hull construction. **USS SENTRY** is 224 feet in length, has a beam of 39 feet, and displaces 1,367 tons. She is powered by four diesel engines with two controllable pitch propellers and one bow thruster. The Sentinel of the Sea is crewed by six officers and 75 enlisted and homeported in San Diego, CA.



**NM 3/11**

# HYDROGRAM

**National Geospatial-Intelligence Agency  
Bethesda, MD 20816-5003**



**15 January 2011**

## **NOAA CHART NEW EDITIONS AND THEIR AVAILABILITY**

NOAA RECOGNIZES TWO PAPER NAUTICAL CHART PRODUCTS: CHARTS-ON-DEMAND AND TRADITIONAL NOAA/NOS PAPER CHARTS. FOR ADDITIONAL INFORMATION, SEE SECTIONS II AND III.

## **NGA CHART NEW EDITIONS AND THEIR AVAILABILITY**

NGA RECOGNIZES TWO PAPER NAUTICAL CHART PRODUCTS: ENTERPRISE PRODUCT ON DEMAND-MARITIME (EPOD-M) CHARTS AND TRADITIONAL NGA PAPER CHARTS. FOR ADDITIONAL INFORMATION, SEE SECTIONS II AND III.

## **NEW EDITION OF COAST PILOT**

U.S. COAST PILOT 7, PACIFIC COAST: CALIFORNIA, OREGON, WASHINGTON, HAWAII AND PACIFIC ISLANDS, FORTY-THIRD EDITION, 2011, IS READY FOR ISSUE. SEE SECTIONS II AND III.

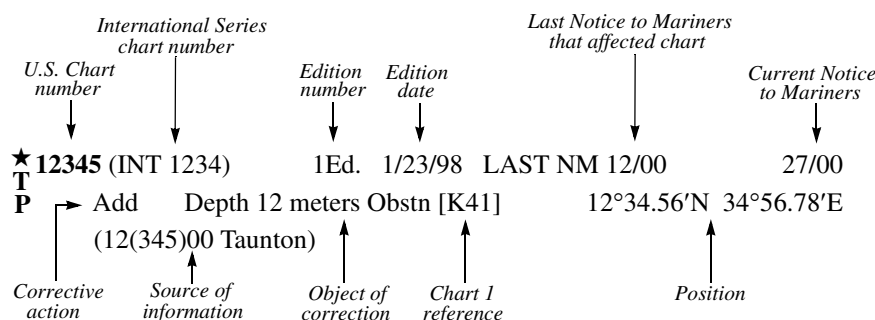
## **NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY'S IMPLEMENTATION OF A HARDCOPY TO DIGITAL TRANSITION STRATEGY**

THIS NOTICE IS A REMINDER OF THE NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY (NGA) HARDCOPY TO DIGITAL TRANSITION PROGRAM. SEE SECTION III FOR DETAILS.

## EXPLANATION OF CONTENTS

The Notice to Mariners contains corrective information affecting nautical charts, the NGA/DLIS Catalog of Maps Charts and Related Products, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NGA List of Lights, Radio Navigational Aids and other related nautical publications. The information contained in these corrections is important to safe navigation. It is the user's responsibility to decide which of their charts and publications require correction. Consult the U.S. Coast Guard Local Notice to Mariners for information pertaining to waterways within the United States that are not normally used by oceangoing vessels. Because of the sometimes transitory nature of aids to navigation, depths and port information, local area sources should be consulted whenever possible. This publication is not required to be maintained intact. Portions may be separated for correction or attachment to an affected product. The Notice to Mariners is divided into the following sections:

**Section I-1** contains corrections to nautical charts listed in numeric order by chart number. Each chart correction listed applies only to that particular chart. Related charts, if any, will have their own specific correction listed separately. Users should also refer to U.S. Chart 1 Nautical Chart Symbols, Abbreviations and Terms for additional information pertaining to the correcting of charts. The illustration below describes the elements that comprise a typical chart correction:



A chart correction preceded by:

★ indicates that it is based upon original U.S. source information.

T indicates that it is temporary in nature.

P indicates that it is preliminary, and that permanent corrective action will appear in a future Notice to Mariners.

The letter **M** immediately following the chart number indicates that the correction should be applied to the metric side of the chart only. The letter **M** is not a part of the chart number.

The letter **N** preceding the current Notice to Mariners number indicates that the affected chart is on Limited Distribution and is normally only for use by U.S. Navy, government-owned or -chartered vessels.

Courses and bearings are given in degrees true.

Light sectors are expressed in degrees true from the vessel TOWARD the light.

The visible range(s) listed for lights is normally the nominal range (the distance at which it can be seen in clear weather), expressed in nautical miles, except in the Great Lakes where it is expressed in statute miles.

The colors of structures and lights of navigational aids are abbreviated in accordance with Chart 1.

**Section I-2\*** contains all chartlets, depth tabulations and notes associated with the chart corrections in Section I-1. Chartlets and depth tabulations supersede all previous information portrayed.

**Section I-3** lists all NGA and NOS charts which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the oldest Summary of Corrections or the chart's announcement, whichever is later.

**Section II-1** is a weekly listing of corrections to the NGA/DLIS Catalog of Maps Charts and Related Products, including new charts and publications. It also contains the latest price category information.

**Section II-2\*** contains corrections to navigation publications, including Sailing Directions, Coast Pilots, Fleet Guides, Radio Navigational Aids (Pub. 117), *The American Practical Navigator* and other related nautical publications.

**Section II-3\*** lists weekly updates to the USCG Light Lists.

**Section II-4\*** lists weekly updates to the NGA List of Lights.

**Section II-5** lists all NGA, NOS and USCG navigation publications which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the publication's announcement.

**Section III-1** lists the message number of all in-force Navigational Warnings, and the text of those warnings promulgated during the previous week. Notice to Mariners Nos. 13, 26 and 39 list a summary of all in-force Navigational Warnings for the preceding quarter. Notice to Mariners No. 52 lists a complete summary of all in-force Navigational Warnings.

**Section III-2** contains miscellaneous information of particular interest to the maritime community.

\*The left-hand pages of these sections are intentionally blank.

**SECTION I  
CHART CORRECTIONS**

**NM 3/11**

**1116A** Ed. 8/09 LAST NM 1/11 3/11  
 Add Danger circle [K40] with legend "Subm buoy  
 (cov 3 1/4 fms)" 27°54.3'N 93°38.6'W  
 Danger circle [K40] with legend "Subm buoy  
 (cov 3 1/4 fms)" 27°58.5'N 93°38.1'W  
 Danger circle [K40] with legend "Subm buoy  
 (cov 3 1/4 fms)" 27°57.1'N 93°34.6'W  
 Danger circle [K40] with legend "Subm buoy  
 (cov 3 1/4 fms)" 27°53.7'N 93°34.2'W  
 (50/10 CG8)

**11004** 8Ed. 10/14/06 LAST NM 49/10 3/11  
 Add Danger circle [K40] 27°54.3'N 93°38.6'W  
 Danger circle [K40] 27°58.5'N 93°38.1'W  
 Danger circle [K40] 27°57.1'N 93°34.6'W  
 Danger circle [K40] 27°53.7'N 93°34.2'W  
 Legend "Subm buoys (4) (cov 6m)" 27°56.4'N 93°40.9'W  
 (50/10 CG8)

**★11332** 31Ed. 5/10 LAST NM 48/10 3/11  
 Delete Platform 29°14'18"N 93°52'28"W  
 (50/10 CG8)

**★11340** 74Ed. 8/09 LAST NM 1/11 3/11  
 Add Danger circle [K40] with legend "Subm buoy  
 (cov 3 1/4 fms)" 27°54.3'N 93°38.6'W  
 Danger circle [K40] with legend "Subm buoy  
 (cov 3 1/4 fms)" 27°58.5'N 93°38.1'W  
 Danger circle [K40] with legend "Subm buoy  
 (cov 3 1/4 fms)" 27°57.1'N 93°34.6'W  
 Danger circle [K40] with legend "Subm buoy  
 (cov 3 1/4 fms)" 27°53.7'N 93°34.2'W  
 (50/10 CG8)

**★11344** 38Ed. 4/08 LAST NM 1/11 3/11  
 Delete Platform 29°17'27"N 93°06'05"W  
 Platform 29°24'05"N 92°57'53"W  
 (50/10 CG8)

**★11370** 27Ed. 11/08 LAST NM 46/10 3/11  
 (Side A)  
 Add Danger circle "Obstn" [K40] (PA)  
 29°58'10.2"N 90°15'18.0"W  
 (50/10 CG8)

**★11404** 23Ed. 5/06 LAST NM 48/09 3/11  
 (Side A)  
 Add Depth 3 feet 29°49'44.1"N 84°39'22.3"W  
 Tabulation of controlling depths from  
 Subsection I-2  
 (Supersedes 43/09-11404)  
 (NOS)

**★11405** 29Ed. 6/03 LAST NM 10/10 3/11  
 Change Legend to "13 1/2 FT FOR MID WIDTH OF 75  
 FT AUG 2010" 29°49'14"N 84°39'39"W  
 (NOS)

**★11466** 38Ed. 6/08 LAST NM 25/10 3/11  
 Delete Danger circle "Subm buoy (cov 25ft)"  
 26°02'51"N 80°03'46"W  
 (NOS)

**★11480** 41Ed. 11/10 NEW EDITION 3/11  
 Delete Danger circle "Subm buoy" 30°28.8'N 80°29.0'W  
 Danger circle "Subm buoy" 30°28.8'N 80°06.6'W  
 Danger circle "Subm buoy" 30°03.0'N 80°06.6'W  
 Danger circle "Subm buoy" 30°03.0'N 80°29.0'W  
 (Previously published 46/10)  
 Add Legend "(Approx 8 1/4 fms above seafloor)"  
 30°14.5'N 80°23.1'W  
 Legend "(Approx 8 1/4 fms above seafloor)"  
 30°14.2'N 80°07.9'W  
 (Previously published 46/10)  
 (NOS)

**11489** 38Ed. 1/09 LAST NM 42/10 3/11  
 (Side A)  
 Relocate Light "60" from 30°50'59"N 81°28'45"W to  
 30°50'57"N 81°28'42"W  
 (50/10 CG7)

**★11502** 32Ed. 11/10 NEW EDITION 3/11  
 (NOS)

**★11504** 17Ed. 2/07 LAST NM 20/10 3/11  
 Relocate Light "60" from 30°50'59.3"N 81°28'44.7"W  
 to 30°50'56.5"N 81°28'41.9"W  
 (50/10 CG7)

**★12201** 26Ed. 3/11/06 LAST NM N45/10 N3/11  
 Delete Blue hachured line (northern boundary of  
 OPAREA 13) between 36°49.0'N 75°54.0'W  
 36°49.0'N 75°30.0'W  
 Add Solid blue line with purple hachured line  
 joining 36°49.0'N 75°54.0'W  
 36°55.0'N 75°54.0'W  
 36°55.0'N 75°30.0'W  
 36°49.0'N 75°30.0'W  
 (NTM0006/2010)

**12221** 80Ed. 1/09 LAST NM 1/11 3/11  
 Add Depth 36 feet Obstn [K41] 37°07'06"N 76°09'17"W  
 (NOS)

**★12222** 52Ed. 9/09 LAST NM 48/10 3/11  
 Add Depth 36 feet Obstn [K41] 37°07'06"N 76°09'17"W  
 (NOS)

**12224** 24Ed. 2/06 LAST NM 1/11 3/11  
 Add Depth 36 feet Obstn [K41] 37°07'06"N 76°09'17"W  
 (NOS)

**12230** 64Ed. 3/09 LAST NM 2/11 3/11  
 Add Depth 34 feet Obstn [K41] 38°01'33"N 76°14'57"W  
 Depth 38 feet Obstn [K41] 38°03'51"N 76°15'14"W  
 Depth 39 feet Obstn [K41] 38°04'17"N 76°14'40"W  
 Depth 44 feet Obstn [K41] 38°04'32"N 76°14'06"W  
 (NOS)

**★12233** 37Ed. 1/07 LAST NM 2/11 3/11  
 Add Depth 34 feet Obstn [K41] 38°01'33"N 76°14'57"W  
 Depth 38 feet Obstn [K41] 38°03'51"N 76°15'14"W  
 Depth 39 feet Obstn [K41] 38°04'17"N 76°14'40"W  
 Depth 44 feet Obstn [K41] 38°04'32"N 76°14'06"W  
 (NOS)

**12264** 30Ed. 7/07 LAST NM 48/10 3/11  
 Relocate Buoy "PX" from 38°23'30.9"N 76°31'58.4"W  
 to 38°23'19.2"N 76°31'35.4"W  
 (46/10 CG5)

**12280** 9Ed. 6/09 LAST NM 2/11 3/11  
 (Right Panel)  
 Substitute Depth 36 feet Obstn [K41] for 32 feet 37°07.1'N 76°09.3'W  
 Add Depth 34 feet Obstn [K41] 38°01.6'N 76°14.9'W  
 Depth 38 feet Obstn [K41] 38°03.8'N 76°15.2'W  
 Depth 39 feet Obstn [K41] 38°04.3'N 76°14.7'W  
 Depth 44 feet Obstn [K41] 38°04.5'N 76°14.1'W  
 (NOS)

**12285** 40Ed. 4/10 LAST NM 2/11 3/11  
 (Page A)  
 Add Depth 34 feet Obstn [K41] 38°01'33"N 76°14'57"W  
 Depth 38 feet Obstn [K41] 38°03'51"N 76°15'14"W  
 Depth 39 feet Obstn [K41] 38°04'17"N 76°14'40"W  
 Depth 44 feet Obstn [K41] 38°04'32"N 76°14'06"W  
 (NOS)

**★12332** 23Ed. 11/10 NEW EDITION 3/11  
 (NOS)

<b>13218</b>	41Ed. 10/09	LAST NM 52/10		3/11	
Add	Designation "EL" to buoy		41°26'40"N 71°09'28"W		
	Designation "LR" to buoy		41°27'39"N 70°51'09"W		
	(50/10 CG1)				
<b>13221</b>	58Ed. 5/10	LAST NM 52/10		3/11	
Delete	Buoy "13"		41°30'34"N 71°20'55"W		
Add	Buoy "EP" GR, Fl(2+1) G 6s BELL		41°30'41"N 71°20'50"W		
	Designation "EL" to buoy		41°26'40"N 71°09'28"W		
	(46, 50/10 CG1)				
<b>★13223</b>	41Ed. 6/09	LAST NM 50/10		3/11	
Delete	Buoy "13"		41°30'33.9"N 71°20'55.4"W		
Add	Buoy "EP" GR, Fl(2+1) G 6s BELL		41°30'40.6"N 71°20'49.8"W		
	(46/10 CG1)				
<b>★13228</b>	12Ed. 11/09	LAST NM 3/10		3/11	
Add	Designation "EL" to buoy		41°26'40.4"N 71°09'28.2"W		
	(50/10 CG1)				
<b>13229</b>	31Ed. 9/10	LAST NM 48/10		3/11	
	(Page E)				
Add	Designation "LR" to buoy		41°27'39"N 70°51'09"W		
	(50/10 CG1)				
<b>★13230</b>	50Ed. 8/10	LAST NM 40/10		3/11	
Add	Designation "LR" to buoy		41°27'39"N 70°51'09"W		
	(Inset)				
Add	Designation "LR" to buoy		41°27'39.3"N 70°51'08.8"W		
	(50/10 CG1)				
<b>13233</b>	18Ed. 10/08	LAST NM 42/10		3/11	
Add	Designation "LR" to buoy		41°27'39"N 70°51'09"W		
	(50/10 CG1)				
<b>★16710</b>	18Ed. 11/10	NEW EDITION		3/11	
	(NOS)				
<b>18002</b>	7Ed. 10/20/07	LAST NM N49/10		N3/11	
Delete	Buoy		34°31.2'N 120°43.8'W		
	(51/10 CG11)				
<b>18005</b>	5Ed. 9/22/07	LAST NM N48/10		N3/11	
Delete	Buoy		34°31.2'N 120°43.3'W		
	Buoy		35°01.8'N 120°58.2'W		
	(51/10 CG11)				
<b>18006</b>	4Ed. 7/28/07	LAST NM N36/10		N3/11	
Delete	Buoy		34°28.3'N 120°47.2'W		
	Buoy		34°29.0'N 120°44.0'W		
	(51/10 CG11)				
<b>18020</b>	38Ed. 10/07	LAST NM 2/11		3/11	
Delete	Buoy		35°01.8'N 120°58.2'W		
	(51/10 CG11)				
<b>18022</b>	35Ed. 8/05	LAST NM 2/11		3/11	
Delete	Buoy		34°31.2'N 120°43.5'W		
	Buoy		35°01.8'N 120°58.2'W		
	(51/10 CG11)				
<b>★18456</b>	21Ed. 11/10	NEW EDITION		3/11	
	(NOS)				
<b>★18526</b>	59Ed. 6/09	LAST NM 50/10		3/11	
Add	Depth 38 feet		45°33'31.8"N 122°43'08.8"W		
	(NOS)				
<b>★18700</b>	22Ed. 7/03	LAST NM 50/10		3/11	
Delete	Buoy "1"		34°30.3'N 120°43.1'W		
	Buoy "2"		34°31.5'N 120°41.2'W		
	Buoy		34°28.3'N 120°47.2'W		
	Buoy		34°31.2'N 120°44.0'W		
	Buoy		34°29.0'N 120°44.0'W		
	Buoy		34°33.0'N 120°39.0'W		
	Buoy		35°01.8'N 120°58.2'W		
	Buoy		35°07.3'N 120°50.0'W		
	Buoy		35°08.3'N 120°48.2'W		
	(51/10 CG11)				
<b>★18703</b>	25Ed. 7/03	LAST NM 37/10		3/11	
Delete	Buoy		35°07'20.0"N 120°50'00.0"W		
	Buoy		35°08'18.0"N 120°48'00.0"W		
	(51/10 CG11)				
<b>18704</b>	13Ed. 5/04	LAST NM 37/10		3/11	
Delete	Buoy		35°08'18.0"N 120°48'00.0"W		
	(51/10 CG11)				
<b>18720</b>	33Ed. 8/08	LAST NM 2/11		3/11	
Delete	Buoy "1"		34°30.3'N 120°43.1'W		
	Buoy "2"		34°31.5'N 120°41.2'W		
	Buoy		34°28.3'N 120°47.2'W		
	Buoy		34°31.2'N 120°44.0'W		
	Buoy		34°29.0'N 120°44.0'W		
	Buoy		34°33.0'N 120°39.0'W		
	(51/10 CG11)				
<b>★18721</b>	12Ed. 12/09	LAST NM 2/11		3/11	
Delete	Buoy "1"		34°30'18"N 120°43'06"W		
	Buoy "2"		34°31'30"N 120°41'12"W		
	Buoy		34°28'15"N 120°47'14"W		
	Buoy		34°31'12"N 120°43'57"W		
	Buoy		34°29'00"N 120°44'00"W		
	Buoy		34°33'00"N 120°39'00"W		
	(51/10 CG11)				
<b>18723</b>	3Ed. 11/22/97	LAST NM 44/09		3/11	
Delete	Buoy "1"		34°30'18.0"N 120°43'05.8"W		
	Buoy "2"		34°31'29.8"N 120°41'12.0"W		
	Buoy		34°29'00.0"N 120°44'00.0"W		
	Buoy		34°32'55.5"N 120°38'58.0"W		
	(51/10 CG11)				
<b>★18729</b>	13Ed. 10/05	LAST NM 38/08		3/11	
Delete	Buoy		34°03'27.0"N 119°34'59.0"W		
	(51/10 CG11)				
<b>18760</b>	7Ed. 7/28/07	LAST NM N2/11		N3/11	
Delete	Buoy		34°28.3'N 120°47.2'W		
	Buoy		34°29.0'N 120°44.0'W		
	(51/10 CG11)				
<b>★18764</b>	10Ed. 11/10	NEW EDITION		3/11	
	(NOS)				
<b>★18765</b>	17Ed. 11/10	NEW EDITION		3/11	
Add	Depth 34 fathoms		32°39'24"N 117°58'18"W		
	Depth 20 fathoms		32°50'49"N 117°19'57"W		
	(Previously published 18/06)				
	(NOS)				
<b>22221</b>	20Ed. 8/31/96	LAST NM 45/10		3/11	
	(Plan B)				
Delete	Floating dock		18°28'25.0"S 70°19'24.0"W		
Add	Floating dock [F26]		18°28'23.0"S 70°19'16.0"W		
	Land tint to area bound by shore and solid line				
	[F13] joining		18°28'31.0"S 70°19'34.0"W		
			18°28'27.8"S 70°19'32.0"W		
			18°28'27.0"S 70°19'32.8"W		
			18°28'23.8"S 70°19'26.0"W		
			18°28'25.0"S 70°19'25.2"W		
			18°28'27.8"S 70°19'31.5"W		
			18°28'32.0"S 70°19'32.0"W		
	(11(103)09 Valparaiso)				

## SECTION I

NM 3/11

<b>22262</b>	3Ed. 3/2/96	LAST NM 39/10	3/11	
Delete	Range lights (2) and range line between 28°27'49.5"S 71°15'16.2"W 28°27'52.6"S 71°14'36.2"W			
	Note: Legend "Lights...275°" remains			
Light	28°27'45.5"S	71°15'17.5"W		
Change	Characteristic of range light, front to FG 28°28'21.8"S 71°14'06.0"W			
	Characteristic of range light, front to FR 28°28'18.0"S 71°14'36.0"W			
Add	Light L Fl 15s 39m 20M 28°27'44.0"S 71°15'17.8"W			
	Range light, front "1" FR (Occas) 28°27'49.0"S 71°15'15.6"W			
	Range light, middle "2" FG (Occas) 28°27'48.9"S 71°15'16.8"W			
	Range light, rear FG 28°27'48.9"S 71°15'17.4"W			
	Range line extending in 095° direction from above rear light dashed for 300 meters, thence solid for 700 meters			
	Range light, front FG 28°28'15.5"S 71°14'50.5"W			
	Range light, rear FG 28°28'19.0"S 71°14'54.4"W			
	Range line extending in 045° direction from above rear light dashed for 400 meters, thence solid for 800 meters			
	Legend "Lights in Line 225°" along above range line 28°27'57.0"S 71°14'30.0"W			
	Range light, rear FG 28°28'19.6"S 71°14'52.8"W			
	Range line extending in 028° direction from above rear light dashed for 400 meters, thence solid for 800 meters			
	Legend "Lights in Line 208°" along above range line 28°27'51.0"S 71°14'36.0"W			
	Range light, rear FG 28°28'24.0"S 71°14'04.0"W			
	Range line extending in 323° direction from above rear light dashed for 700 meters, thence solid for 1200 meters			
	Legend "Lights in Line 143°" along above range line 28°27'38.0"S 71°14'44.0"W			
	Land tint to area bound by shore and solid line [F13] joining 28°28'11.9"S 71°14'32.3"W 28°28'09.6"S 71°14'32.4"W 28°28'06.2"S 71°14'36.9"W 28°28'05.5"S 71°14'36.2"W 28°28'09.0"S 71°14'31.7"W 28°28'09.4"S 71°14'32.1"W 28°28'12.2"S 71°14'32.1"W			
	(8(88)10 Valparaiso; UKHO ARCS 4232-0)			
<b>22290</b>	4Ed. 6/28/97	LAST NM 49/10	3/11	
Add	Note from Subsection I-2 36°10.0'S 72°15.0'W (4(40)10 Valparaiso)			
<b>22293</b>	15Ed. 3/9/96	LAST NM 49/10	3/11	
Add	Note from Subsection I-2 in lower center margin of chart (4(40)10 Valparaiso)			
<b>22294</b>	16Ed. 12/31/05	LAST NM 12/09	3/11	
Add	Note from Subsection I-2 33°35'54.0"S 71°36'40.0"W (4(40)10 Valparaiso)			
<b>22295</b>	2Ed. 8/30/75	LAST NM 43/06	3/11	
	<b>(Plan E)</b>			
Add	Note from Subsection I-2 33°58'19.0"S 71°54'03.0"W (4(40)10 Valparaiso)			
<b>22305</b>	2Ed. 2/17/96	LAST NM 47/10	3/11	
Add	Note from Subsection I-2 38°34.0'S 73°10.4'W (4(40)10 Valparaiso)			
<b>22312</b>	2Ed. 9/3/77	LAST NM 13/09	3/11	
Add	Note from Subsection I-2 36°57'42"S 73°08'24"W			
	<b>(Plan B)</b>			
Add	Note from Subsection I-2 37°04'21.0"S 73°08'18.0"W (4(40)10 Valparaiso)			
<b>22313</b>	2Ed. 10/12/96	LAST NM 49/10	3/11	
Add	Note from Subsection I-2 36°39'56"S 72°56'28"W (4(40)10 Valparaiso)			
<b>22314</b>	1Ed. 9/10/88	LAST NM 33/10	3/11	
Add	Note from Subsection I-2 36°45'30.0"S 73°08'00.0"W (4(40)10 Valparaiso)			
<b>22492</b>	3Ed. 3/14/98	LAST NM 14/10	3/11	
	<b>(Plan A)</b>			
Delete	Light 33°37'56"S 78°49'44"W			
Change	Visibility (range) of light to 3M 33°38'11"S 78°49'45"W			
Add	Light Fl 12s 6m 9M 33°37'54"S 78°49'45"W			
	Note from Subsection I-2 33°38'08"S 78°52'16"W			
	<b>(Plan F)</b>			
Delete	Light and sector limits 33°37'56.2"S 78°49'44.0"W			
Change	Visibility (range) of light to 3M 33°38'10.8"S 78°49'44.8"W			
Add	Light Fl 12s 6m 9M with visible sector 180°-001° 33°37'53.5"S 78°49'44.5"W			
	Note from Subsection I-2 33°38'41.0"S 78°50'03.0"W (4(40), 10(113)10 Valparaiso)			
<b>24092</b>	15Ed. 10/10/09	LAST NM N14/10	N3/11	
Add	Anchorage area "A" [N12.2] bound by purple dashed line joining 32°07'57.0"S 52°06'07.8"W 32°07'57.0"S 52°05'46.2"W 32°08'22.8"S 52°05'43.2"W 32°08'49.2"S 52°05'34.8"W 32°09'57.0"S 52°05'04.8"W 32°09'57.0"S 52°05'28.8"W 32°08'37.2"S 52°06'01.8"W 32°08'04.2"S 52°06'07.8"W			
	Anchorage area "B" [N12.2] bound by purple dashed line joining 32°07'57.0"S 52°06'07.8"W 32°07'57.0"S 52°05'46.2"W 32°05'57.0"S 52°05'46.2"W 32°05'57.0"S 52°06'07.8"W			
	Anchorage area "C" [N12.2] bound by purple dashed line joining 32°05'57.0"S 52°06'07.8"W 32°05'57.0"S 52°05'46.2"W 32°05'07.2"S 52°05'27.0"W 32°04'57.0"S 52°05'46.2"W			
	Anchorage area "D" [N12.2] bound by purple dashed line joining 32°04'57.0"S 52°05'46.2"W 32°05'07.2"S 52°05'27.0"W 32°04'46.8"S 52°05'01.8"W 32°04'34.8"S 52°05'22.2"W			
	Anchorage area "E" [N12.2] bound by purple dashed line joining 32°04'34.8"S 52°05'22.2"W 32°04'46.8"S 52°05'01.8"W 32°04'13.2"S 52°04'04.2"W 32°03'58.2"S 52°04'34.2"W			
	Anchorage area "F" [N12.2] bound by purple dashed line joining 32°03'58.2"S 52°04'34.2"W 32°04'13.2"S 52°04'04.2"W 32°03'31.8"S 52°03'22.8"W 32°03'30.0"S 52°03'31.8"W 32°03'28.8"S 52°04'27.0"W			
	(continued on next page)			

24092 (Continued)

Anchorage area "G1" [N12.2] bound by purple dashed line joining  
 32°03'25.8"S 52°03'22.2"W  
 32°03'25.8"S 52°03'07.2"W  
 32°02'46.8"S 52°02'43.2"W  
 32°02'46.8"S 52°02'58.2"W

Anchorage area "G2" [N12.2] bound by purple dashed line joining  
 32°02'46.8"S 52°02'58.2"W  
 32°02'46.8"S 52°02'43.2"W  
 32°02'30.0"S 52°02'31.8"W  
 32°01'54.0"S 52°02'28.8"W  
 32°01'54.0"S 52°02'46.8"W  
 32°02'30.0"S 52°02'49.8"W

Anchorage area "G3" [N12.2] bound by purple dashed line joining  
 32°01'54.0"S 52°02'46.8"W  
 32°01'54.0"S 52°02'28.8"W  
 32°01'00.0"S 52°02'39.0"W  
 32°01'00.0"S 52°03'04.8"W

Anchorage area "A1" [N12.2] bound by purple dashed line joining  
 32°09'12.0"S 52°05'36.0"W  
 32°09'10.2"S 52°05'33.0"W  
 32°09'22.8"S 52°05'28.2"W  
 32°09'25.8"S 52°05'31.2"W

Legend "ANCHORAGES (see Note)"  
 32°08'41.0"S 52°05'51.0"W  
 Legend "ANCHORAGES (see Note)"  
 32°04'30.0"S 52°05'03.0"W  
 Legend "ANCHORAGES (see Note)"  
 32°01'28.0"S 52°02'45.0"W

Note "ANCHORAGES  
 A. For refueling vessels up to 240 meters in length with a maximum draft of 12.2 meters. During the day, anchor north of buoy 9.  
 A1. For emergency anchorage only.  
 B, C, D, F. Only to be used with the authorization and control of the Rio Grande Port Superintendent and the agreement of the Rio Grande Harbor Master's office.  
 E. For vessels up to 190 meters in length with a maximum draft of 9.45 meters which are transporting dangerous cargo, being refueled, heading to/from inland ports or terminals, or loading dangerous cargo using a conveyor.  
 G1, G2, G3. For vessels with a maximum draft of 6.7 meters which are either involved in inland navigation, heading to/from inland ports or terminals, visiting for refueling or repairs only, or loading dangerous cargo using conveyors and barges.  
 G1. Vessels up to 150 meters in length.  
 G2. Vessels up to 240 meters in length.  
 G3. Vessels over 240 meters in length."

(7(26)10 Rio de Janeiro) 32°03'45.0"S 52°01'00.0"W

25677 21Ed. 11/08 LAST NM 17/10 3/11  
 Delete Light 17°57'59"N 66°45'09"W  
 Add Buoy "2" R, Fl R 6s 17°56'48"N 66°43'44"W  
 Buoy "2" R, Fl R 2.5s 17°57'39"N 66°45'21"W  
 (50/10 CG7)

★25681 17Ed. 10/07 LAST NM 43/08 3/11  
 Delete Light 17°57'59.2"N 66°45'09.3"W  
 Add Buoy "2" R, Fl R 6s 17°56'47.9"N 66°43'44.3"W  
 Buoy "2" R, Fl R 2.5s 17°57'38.5"N 66°45'20.5"W  
 (50/10 CG7)

37090 8Ed. 2/8/97 LAST NM 40/10 3/11  
 Add Submarine cable [L30.1] joining 50°00'46"N 0°15'00"W  
 50°00'49"N 0°20'55"W  
 50°00'36"N 0°22'05"W  
 50°00'57"N 0°23'32"W  
 50°00'35"N 0°25'13"W  
 50°01'02"N 0°26'57"W  
 50°01'04"N 0°47'19"W  
 50°03'24"N 0°50'30"W  
 50°03'23"N 0°53'48"W  
 50°03'06"N 0°55'07"W  
 50°03'18"N 0°55'57"W  
 50°03'14"N 0°57'49"W

(UKHO ARCS 2148-0, 2613-0, 2669-0)

37095 3Ed. 10/26/96 LAST NM 40/10 3/11  
 Add Submarine cable [L30.1] joining 50°00'16"N 0°23'36"E  
 50°00'07"N 0°22'54"E  
 50°00'32"N 0°00'10"W  
 50°00'47"N 0°03'12"W  
 50°00'32"N 0°06'02"W  
 50°00'42"N 0°10'45"W  
 50°00'49"N 0°20'55"W  
 50°00'36"N 0°22'05"W  
 50°00'57"N 0°23'32"W  
 50°00'35"N 0°25'13"W  
 50°01'02"N 0°26'57"W  
 50°01'04"N 0°47'19"W  
 50°03'24"N 0°50'30"W  
 50°03'23"N 0°53'48"W  
 50°03'06"N 0°55'07"W  
 50°03'18"N 0°55'57"W  
 50°03'14"N 0°57'49"W  
 50°02'52"N 1°00'21"W  
 50°02'38"N 1°10'12"W  
 50°02'40"N 1°12'02"W  
 50°02'09"N 1°29'23"W  
 50°01'54"N 1°32'55"W  
 50°02'06"N 1°36'57"W  
 50°01'40"N 1°38'08"W  
 50°01'50"N 1°40'27"W  
 50°01'08"N 1°57'24"W

(UKHO ARCS 2148-0, 2613-0, 2669-0)

37110 11Ed. 4/24/99 LAST NM 18/10 3/11  
 Add Submarine cable [L30.1] joining 49°52'32"N 0°42'48"E  
 49°56'36"N 0°42'57"E  
 49°56'58"N 0°42'44"E  
 49°59'43"N 0°38'59"E  
 49°59'57"N 0°38'25"E  
 50°00'06"N 0°28'16"E  
 50°00'18"N 0°26'40"E  
 50°00'25"N 0°24'00"E  
 50°00'07"N 0°22'54"E  
 50°00'32"N 0°00'10"W  
 50°00'47"N 0°03'12"W  
 50°00'32"N 0°06'02"W  
 50°00'42"N 0°10'45"W  
 50°00'49"N 0°20'55"W  
 50°00'36"N 0°22'05"W  
 50°00'57"N 0°23'32"W  
 50°00'35"N 0°25'13"W  
 50°01'02"N 0°26'57"W  
 50°00'52"N 0°30'00"W

(UKHO ARCS 2148-0, 2613-0)

37115 2Ed. 5/10/97 LAST NM 18/10 3/11  
 Add Submarine cable [L30.1] joining 49°52'32"N 0°42'48"E  
 49°56'36"N 0°42'57"E  
 49°56'58"N 0°42'44"E  
 49°59'43"N 0°38'59"E  
 49°59'57"N 0°38'25"E  
 50°00'06"N 0°28'16"E  
 50°00'18"N 0°26'40"E  
 50°00'25"N 0°24'00"E  
 50°00'07"N 0°22'54"E  
 50°00'32"N 0°00'00"

(UKHO ARCS 2148-0, 2613-0)

43368 5Ed. 8/21/93 LAST NM 17/09 3/11  
 Change Light to Iso WRG 4s 5m 4-2M with sectors green 292°18'-306°48', red-332°24', white-336°06', green-346°48', red-018°30'  
 (18(29956)10 Stavanger) 59°02'56"N 10°01'27"E



## SECTION I

NM 3/11

<b>43369</b>	6Ed. 12/24/94 LAST NM 17/09	3/11	
Change	Light to Iso WRG 4s 5m 4-2M with sectors green 292°18'-306°48', red-332°24', white-336°06', green-346°48', red-018°30'		59°02'57"N 10°01'27"E
	(18(29956)10 Stavanger)		
<b>43382</b>	2Ed. 1/30/99 LAST NM 17/09	3/11	
	<b>(Panel A)</b>		
Change	Light to Iso WRG 4s 5m 4-2M with sectors green 292°18'-306°48', red-332°24', white-336°06', green-346°48', red-018°30'		59°02'57.0"N 10°01'24.0"E
	(18(29956)10 Stavanger)		
<b>44015</b>	9Ed. 10/3/09 LAST NM 34/10	3/11	
Substitute	Depth 26.5 meters Wk [K26] for 23 meters Wk		56°26.0'N 20°29.5'E
Add	Depth 37 meters Wk [K26]		55°41.8'N 20°37.0'E
	Depth 47 meters Wk [K26]		55°40.4'N 20°38.8'E
	(11(122, 124), 12(129)10 Riga)		
<b>44065</b>	7Ed. 3/27/93 LAST NM 7/10	3/11	
Delete	WHIS from buoy "1"		54°28'31"N 10°15'16"E
	(48(33)10 Hamburg)		
<b>44067</b>	23Ed. 8/8/09 LAST NM 22/10	3/11	
Delete	WHIS from buoy "1"		54°28.5'N 10°15.2'E
	(48(33)10 Hamburg)		
<b>44082</b>	11Ed. 12/16/95 LAST NM 49/10	3/11	
Delete	Danger circle "Foul"		54°14'15"N 13°59'42"E
Add	Swept depth 9.9 meters Wk [K27]		54°14'14"N 13°59'40"E
	(48(151)10 Hamburg)		
<b>44085</b>	2Ed. 4/4/98 LAST NM 46/10	3/11	
Add	Foul ground symbol [K31]		54°20'25"N 13°49'38"E
	Swept depth 9.9 meters Wk [K27]		54°14'14"N 13°59'40"E
	(48(151)10 Hamburg)		
<b>44401</b>	8Ed. 2/6/10 LAST NM N37/10	N3/11	
Add	Light Fl(3) G 9s 6m 1M		56°58'19.3"N 24°04'59.5"E
	(12(128)10 Riga)		
<b>44420</b>	7Ed. 7/3/10 LAST NM 45/10	3/11	
Substitute	Depth 26.5 meters Wk [K26] for 23 meters Wk		56°26.0'N 20°29.5'E
	(12(129)10 Riga)		
<b>44430</b>	3Ed. 5/15/10 LAST NM 52/10	3/11	
Substitute	Depth 26.5 meters Wk [K26] for 23 meters Wk		56°26.0'N 20°29.5'E
	(12(129)10 Riga)		
<b>52180</b>	14Ed. 7/31/99 LAST NM 48/10	3/11	
Add	Depth 35 meters enclosed by depth contour (50-meter) centered		37°31.8'N 12°04.5'E
	(UKHO ARCS 2122-0)		
<b>53011</b>	2Ed. 2/10/01 LAST NM 52/10	3/11	
Add	Depth 35 meters		37°31.8'N 12°04.5'E
	Depth 110 meters		37°31.0'N 11°35.2'E
	and extend depth contour (200-meter) W to enclose		
	(Ital CH 948; UKHO ARCS 2122-0)		
<b>53031</b>	1Ed. 5/2/92 LAST NM 49/10	3/11	
Add	Depth 50 meters "Obstn (current meter)" [K41]		43°01.8'N 9°41.1'E
	(Ital CH 40)		
<b>53100</b>	17Ed. 2/11/06 LAST NM 47/10	3/11	
Add	Depth 50 meters "Obstn (current meter)" [K41]		43°01.8'N 9°41.1'E
	(Ital CH 40)		
<b>53120</b>	14Ed. 7/3/99 LAST NM 49/10	3/11	
Add	Depth 50 meters "Obstn (current meter)" [K41]		43°01.8'N 9°41.1'E
	(Ital CH 40)		
<b>54090</b>	3Ed. 9/14/02 LAST NM 47/10	3/11	
Add	Danger circle "Well" [L21.1]		40°35.8'N 18°57.4'E
	(UKHO ARCS 186-0)		
<b>54131</b>	2Ed. 2/10/01 LAST NM 52/10	3/11	
Add	Danger circle "Well" [L21.1]		40°35.8'N 18°57.4'E
	(UKHO ARCS 186-0)		
<b>54195</b>	3Ed. 9/3/05 LAST NM 51/09	3/11	
	<b>(Plan)</b>		
Add	Light Fl(2) G 4s 5m 2M to beacon		43°44'05.4"N 15°48'51.8"E
	(11(1)10 Split)		
<b>54480</b>	8Ed. 9/27/86 LAST NM 48/10	3/11	
Substitute	Double solid line with land tint for double dashed line in vicinity		36°51.3'N 35°55.0'E
Add	Light Fl G 4s 8m 5M		36°37.3'N 36°11.7'E
	(3(8)07, 49(287)10 Istanbul)		
<b>54481</b>	9Ed. 3/12/05 LAST NM 48/10	3/11	
Substitute	Double solid line with land tint for double dashed line in vicinity		36°51'36"N 35°55'42"E
	and delete legend "Under Construction (2003)"		
Add	Light Fl G 4s 8m 5M		36°37'20"N 36°11'42"E
	<b>(Plan)</b>		
Add	Light Fl G 4s 8m 5M		36°37'19.9"N 36°11'42.0"E
	(3(8)07, 49(287)10 Istanbul)		
<b>55043</b>	2Ed. 10/19/96 LAST NM 52/10	3/11	
	<b>(Plan D)</b>		
Delete	Buoy (mooring)		40°25'35"N 29°05'53"E
	(9(29)07 Istanbul)		
<b>55044</b>	5Ed. 3/23/96 LAST NM 52/10	3/11	
Add	Light Fl Y 3s 8m 7M		40°24'05"N 27°18'23"E
	(49(283)10 Istanbul)		
<b>55045</b>	2Ed. 5/17/86 LAST NM 12/10	3/11	
Add	Light Fl Y 3s 8m 7M		40°24'05"N 27°18'23"E
	(49(283)10 Istanbul)		
<b>55060</b>	8Ed. 6/20/09 LAST NM N30/09	N3/11	
Add	Wreck [K29]		43°59'56.4"N 28°44'56.4"E
	(9(153)10 Constanta)		
<b>55100</b>	8Ed. 1/23/99 LAST NM 44/10	3/11	
Add	Wreck [K29]		43°59.9'N 28°44.9'E
	(9(153)10 Constanta)		
<b>55110</b>	2Ed. 8/31/96 LAST NM 2/11	3/11	
Add	Anchorage area [N12.1] bound by purple dashed line joining		41°16.3'N 31°21.5'E
			41°16.3'N 31°23.0'E
			41°16.0'N 31°23.7'E
			41°15.0'N 31°23.7'E
			41°14.5'N 31°23.0'E
			41°14.5'N 31°21.5'E
	(10(35)07 Istanbul)		
<b>55120</b>	2Ed. 6/15/96 LAST NM 50/10	3/11	
Add	Wreck [K29]		43°59.9'N 28°44.9'E
	(9(153)10 Constanta)		

**55150** 2Ed. 6/15/96 LAST NM 49/10 3/11  
 Add Anchorage area [N12.1] bound by chart border  
 and purple dashed line joining 41°15.0'N 31°21.5'E  
 41°16.3'N 31°21.5'E  
 41°16.3'N 31°23.0'E  
 41°16.0'N 31°23.7'E  
 41°15.0'N 31°23.7'E  
 Note: Area extends beyond chart border  
 (10(35)07 Istanbul)

**57262** 4Ed. 9/27/97 LAST NM 23/03 3/11  
 Delete Buoy 8°47'39.0"S 13°15'24.0"E  
 Platform 8°46'30.8"S 13°16'49.2"E  
 Add Platform with light flare symbol [L10],  
 Oc, Oc R 8°46'31.2"S 13°16'51.1"E  
 Buoy "A", conical, "X" topmark, Fl 8°46'25.6"S 13°16'53.1"E  
 Buoy "C", conical, "X" topmark, QBu 8°46'33.7"S 13°16'45.6"E  
 (UKHO ARCS 3448-3)

**63063** 9Ed. 11/8/97 LAST NM 14/10 3/11  
 Delete Buoy "2" 22°29'27.4"N 69°05'41.5"E  
 Buoy "4" 22°28'50.3"N 69°05'26.5"E  
 (23(278)10 Dehra Dun)

**63111** 10Ed. 2/25/06 LAST NM 51/10 3/11  
 (Plan A)  
 Delete Buoy "No 9" 15°25'06.0"N 73°47'50.4"E  
 Add Buoy "No 9" G, conical, Fl(2) G 5s 15°25'09.6"N 73°47'37.8"E  
 (Plan B)  
 Delete Buoy "No 9" 15°25'06.0"N 73°47'50.4"E  
 Add Buoy "No 9" G, conical, Fl(2) G 5s 15°25'09.6"N 73°47'37.8"E  
 (22(268)10 Dehra Dun)

**63250** 6Ed. 10/13/01 LAST NM 2/11 3/11  
 Add Dangerous wreck [K28] 8°47.6'N 78°13.8'E  
 (22(269)10 Dehra Dun)

**63252** 2Ed. 4/7/07 LAST NM N46/10 N3/11  
 Add Dangerous wreck [K28] 8°47'35.4"N 78°13'48.0"E  
 (22(269)10 Dehra Dun)

**63320** 8Ed. 7/23/94 LAST NM 13/10 3/11  
 Add Wreck [K29] 20°39.9'N 87°59.4'E  
 (17(347)04 Dehra Dun)

**63380** 2Ed. 1/5/08 LAST NM 51/10 3/11  
 Add Light Fl(2) 10s 52m 10M 11°28.8'N 92°42.7'E  
 (23(279)10 Dehra Dun)

**63383** 5Ed. 1/2/99 LAST NM 45/10 3/11  
 Add Light Fl(2) 10s 52m 10M 11°28'47.7"N 92°42'39.5"E  
 (23(279)10 Dehra Dun)

**71036** 8Ed. 6/7/97 LAST NM 34/10 3/11  
 Add Depth 24 meters 2°50.6'S 109°32.5'E  
 Depth 24 meters 2°52.6'S 109°33.1'E  
 Depth 26 meters 2°56.5'S 109°33.7'E  
 (UKHO ARCS 3757-0)

**71180** 29Ed. 2/3/96 LAST NM 34/10 3/11  
 Add Buoy G, conical, Fl G 3s 6°01.9'S 105°53.2'E  
 Depth 22 meters "Rep (1996)" 5°48.5'S 106°50.8'E  
 (UKHO ARCS 933-0, 2056-0)

**71185** 24Ed. 9/12/98 LAST NM 6/10 3/11  
 Add Depth 22 meters "Rep (1996)" 5°48'33"S 106°50'48"E  
 (UKHO ARCS 933-0)

**71241** 11Ed. 12/13/08 LAST NM N52/10 N3/11  
 Delete Buoy 1°08'21"N 103°25'10"E  
 Buoy 1°03'01"N 103°32'02"E  
 Buoy 1°06'00"N 103°30'00"E  
 (UKHO ARCS 3833-0)

**71247** 19Ed. 4/22/06 LAST NM 52/10 3/11  
 Substitute Depth 5.1 meters for 5.5 meters 1°14'59.5"N 103°51'54.1"E  
 (UKHO ARCS 4037-0)

**71252** 2Ed. 10/6/07 LAST NM N46/10 N3/11  
 Delete Buoy 1°08'21"N 103°25'12"E  
 Buoy 1°03'01"N 103°32'03"E  
 Buoy 1°06'00"N 103°30'00"E  
 (UKHO ARCS 3833-0)

**71253** 11Ed. 10/15/05 LAST NM 1/11 3/11  
 Delete Depth 15 meters 1°17'28.0"N 103°45'35.2"E  
 Change Legend to "10.3m (2010)" 1°17'27.0"N 103°44'46.0"E  
 Add Depth 14.5 meters Rk [K14.2] 1°17'28.9"N 103°45'34.9"E  
 "Works in progress (2010)" area bound by  
 dashed line joining 1°16'01.2"N 103°47'46.4"E  
 1°15'57.3"N 103°47'53.0"E  
 1°15'47.6"N 103°47'51.7"E  
 1°15'39.9"N 103°47'47.2"E  
 1°15'41.3"N 103°47'44.9"E  
 Buoy "PKH V13" Y, pillar, Fl(2) Y 2s 1°16'01.2"N 103°47'46.4"E  
 Buoy "PKH V14" Y, pillar, Fl(2) Y 2s 1°15'57.3"N 103°47'53.0"E  
 Buoy "PKH V15" Y, pillar, Fl(2) Y 2s 1°15'47.6"N 103°47'51.7"E  
 Buoy "PKH V16" Y, pillar, Fl(2) Y 2s 1°15'39.9"N 103°47'47.2"E  
 Buoy "PKH V17" Y, pillar, Fl(2) Y 2s 1°15'41.3"N 103°47'44.9"E  
 (UKHO ARCS 4034-0)

**71255** 7Ed. 8/15/09 LAST NM N1/11 N3/11  
 Relocate Light "TP2" from 1°16'42.0"N 103°38'46.2"E  
 to 1°16'43.8"N 103°38'51.0"E  
 Add Solid line (pier extension) [F14] between  
 1°16'42.0"N 103°38'46.2"E  
 1°16'43.8"N 103°38'51.0"E  
 (11(97)10 Singapore)

**71265** 4Ed. 3/8/08 LAST NM 52/10 3/11  
 Delete Buoy 1°08.3'N 103°25.2'E  
 Buoy 1°03.0'N 103°32.1'E  
 Buoy 1°06.1'N 103°30.0'E  
 (UKHO ARCS 3833-0)

**71275** 4Ed. 3/8/08 LAST NM 52/10 3/11  
 Delete Buoy 1°08'16"N 103°25'13"E  
 Buoy 1°06'02"N 103°30'00"E  
 (UKHO ARCS 3833-0)

**71400** 5Ed. 9/29/84 LAST NM 34/10 3/11  
 Add Depth 13 fathoms 2°50'37"S 109°32'27"E  
 Depth 13 fathoms 2°52'21"S 109°33'06"E  
 Depth 14 fathoms 2°56'30"S 109°33'38"E  
 (UKHO ARCS 3757-0)

**71410** 1Ed. 10/3/87 LAST NM 34/10 3/11  
 Add Depth 24 meters 2°50.6'S 109°32.5'E  
 Depth 24 meters 2°52.6'S 109°33.1'E  
 Depth 26 meters 2°56.5'S 109°33.7'E  
 (UKHO ARCS 3757-0)

**73018** 3Ed. 2/14/98 LAST NM 10/04 3/11  
 Delete Light 3°34.1'S 128°19.1'E  
 (UKHO ARCS 3242-0)

## SECTION I

NM 3/11

- 82010** 6Ed. 12/16/95 LAST NM 48/08 3/11  
Substitute Depth 58 meters "Rep (2001)" for 80 meters 8°36.0'S 159°36.0'E  
(UKHO ARCS 3997-0)
- 82015** 13Ed. 1/27/96 LAST NM 48/08 3/11  
Substitute Depth 58 meters "Rep (2001)" for 80 meters 8°36.0'S 159°36.0'E  
(UKHO ARCS 3997-0)
- 82020** 7Ed. 4/13/96 LAST NM 8/09 3/11  
Substitute Depth 58 meters "Rep (2001)" for 64 meters 8°36.0'S 159°36.0'E  
(UKHO ARCS 3997-0)
- 82356** 5Ed. 7/5/97 LAST NM 6/98 3/11  
Add Depth 58 meters "Rep (2001)" 8°36'00"S 159°36'00"E  
and extend depth contour (100-meter) W to  
enclose  
(UKHO ARCS 3997-0)
- 91008** 1Ed. 7/18/92 LAST NM 2/11 3/11  
Add Wreck [K29] 22°56.1'N 121°34.1'E  
(121/10 Tso-ying)
- 91010** 6Ed. 9/2/95 LAST NM 1/11 3/11  
Add Wreck [K29] 22°56.1'N 121°34.1'E  
(121/10 Tso-ying)
- 91331** 3Ed. 8/23/86 LAST NM 46/10 3/11  
Add Light Fl R 10s 13°18'43"N 121°19'59"E  
(UKHO ARCS 4489-0)
- 92025** 3Ed. 2/11/84 LAST NM 1/11 3/11  
Change Light to Fl(3) 10s 10ft 7M 9°47.6'N 125°35.0'E  
Characteristic of light to Fl(2) 10s 10°52.5'N 124°30.0'E  
(UKHO LL)
- 92090** 2Ed. 12/12/98 LAST NM 1/11 3/11  
Change Characteristic of light to Fl(2) 10s 10°52'25"N 124°30'05"E  
(UKHO LL)
- 92110** 3Ed. 9/15/90 LAST NM 11/06 3/11  
Change Visibility (range) of light to 7M 9°47'29"N 125°35'04"E  
(UKHO LL)
- 92115** 1Ed. 7/14/90 LAST NM 51/05 3/11  
Change Visibility (range) of light to 7M 9°47'29.0"N 125°35'04.1"E  
Add Pilot station symbol [T1.2] with legend  
"Domestic Vessels" 9°47'42.0"N 125°30'42.0"E  
Pilot station symbol [T1.2] with legend  
"Foreign Vessels" 9°51'30.0"N 125°28'30.0"E  
(UKHO ARCS 4475-0)
- 92290** 2Ed. 9/25/76 LAST NM 1/11 3/11  
Add Light Fl G 5s 39ft 7M 8°32.0'N 124°34.3'E  
(UKHO LL)
- 93733** 14Ed. 1/19/08 LAST NM N44/10 N3/11  
Substitute Depth 18.3 meters Wk [K26] for 22.5 meters Wk 22°08'26"N 114°20'09"E  
(See N19/10-93733)  
(25(46)10 Hong Kong)
- 93734** 13Ed. 10/20/07 LAST NM N44/10 N3/11  
Substitute Depth 18.3 meters Wk [K26] for 22.5 meters Wk 22°08'26.4"N 114°20'08.6"E  
(See N19/10-93734)  
(25(46)10 Hong Kong)
- 94004** 6Ed. 9/2/95 LAST NM 1/11 3/11  
Add Wreck [K29] 22°56.1'N 121°34.1'E  
(121/10 Tso-ying)
- 94080** 8Ed. 9/26/09 LAST NM 1/11 3/11  
Add Wreck [K29] 22°56.1'N 121°34.1'E  
(121/10 Tso-ying)
- 94082** 9Ed. 5/27/06 LAST NM 1/11 3/11  
Add Depth 4.5 meters "Rep (2009)", blue tint and enclosing depth contour (5-meter) centered 23°03'14"N 120°01'00"E  
(60/09 Tso-ying)
- 802202** 8Ed. 4/15/78 LAST NM N2/11 N3/11  
Add Depth 38 feet Obstn [K41] 38°03'51.0"N 76°15'14.1"W  
Depth 39 feet Obstn [K41] 38°04'17.5"N 76°14'40.1"W  
Depth 44 feet Obstn [K41] 38°04'31.9"N 76°14'05.6"W  
(NOS)

Chart 11404 (Side A)

NM 3/11

CARRABELLE HARBOR CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2010 AND SURVEYS TO AUG 2010							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
CARRABELLE HARBOR ENTRANCE							
CHANNEL	3.2	13.5	13.0	8-10	150	2.3	25
HARBOR CHANNEL	4.2	13.5	11.4	8-10	150	0.6	25
TURNING BASIN	8.9	14.0	13.0	8-10	500	0.1	25
TURNING BASIN TO BRIDGE (29°50'58.8"N, 084°40'36.7"W)	8.2	10.0	8.9	8-10	100	0.6	10
BRIDGE TO 3 MILES NORTH	4.5	7.4	5.1	8-10	80	3.0	10

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 22290

NM 3/11

**WARNING**

Navigate with caution due to probable variations in tide, seabed and coastal configuration as a result of the earthquake and subsequent tsunami that occurred on 27 February 2010.

Chart 22293

NM 3/11

**WARNING**

Navigate with caution due to probable variations in tide, seabed and coastal configuration as a result of the earthquake and subsequent tsunami that occurred on 27 February 2010.

Chart 22294

NM 3/11

**WARNING**

Navigate with caution due to probable variations in tide, seabed and coastal configuration as a result of the earthquake and subsequent tsunami that occurred on 27 February 2010.

Chart 22295 (Plan E)

NM 3/11

**WARNING**

Navigate with caution due to probable variations in tide, seabed and coastal configuration as a result of the earthquake and subsequent tsunami that occurred on 27 February 2010.

**Chart 22305****NM 3/11****WARNING**

Navigate with caution due to probable variations in tide, seabed and coastal configuration as a result of the earthquake and subsequent tsunami that occurred on 27 February 2010.

**Chart 22312****NM 3/11****WARNING**

Navigate with caution due to probable variations in tide, seabed and coastal configuration as a result of the earthquake and subsequent tsunami that occurred on 27 February 2010.

**Chart 22312 (Plan B)****NM 3/11****WARNING**

Navigate with caution due to probable variations in tide, seabed and coastal configuration as a result of the earthquake and subsequent tsunami that occurred on 27 February 2010.

**Chart 22313****NM 3/11****WARNING**

Navigate with caution due to probable variations in tide, seabed and coastal configuration as a result of the earthquake and subsequent tsunami that occurred on 27 February 2010.

**Chart 22314****NM 3/11****WARNING**

Navigate with caution due to probable variations in tide, seabed and coastal configuration as a result of the earthquake and subsequent tsunami that occurred on 27 February 2010.

**Chart 22492 (Plan A)****NM 3/11****WARNING**

Navigate with caution due to probable variations in tide, seabed and coastal configuration as a result of the earthquake and subsequent tsunami that occurred on 27 February 2010.

Chart 22492 (Plan F)

NM 3/11

**WARNING**

Navigate with caution due to probable variations in tide, seabed and coastal configuration as a result of the earthquake and subsequent tsunami that occurred on 27 February 2010.



CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/09 THROUGH NM 3/11

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Table with 4 columns: Chart No., Ed. No., Notice to Mariners No., and a corresponding set of 4 columns for a second set of charts. Each row lists specific chart details and affected mariner notices.

















CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/09 THROUGH NM 3/11

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
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Table with 4 columns: Chart No., Ed. No., Notice to Mariners No., and the chart details. It lists various chart editions and notices from 56100 to 62143 and 62144 to 63357.







**CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 2/09 THROUGH NM 3/11**

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
97150	13	46/10**	97343	12	34/09	804233	1	N31/09*
97151	17	4,15,30/09;21,39/10	97360	6	23,24,37,46,52/09;7,14,37/10	804344	1	N31/09*
97154	2	17/10				804567	4	N40/09;N2,N5/10
97155	15	30/09;21/10	97380	7	8,9,10,14,16,17,24,25,46,47/09;2,4,5,7,14,37,39/10	805118	4	N6/10*
97156	6	44/09;7/10				805576	1	N31/09*
97159	6	25,34,37/09;13,15,22/10				805647	2	N32,N43,N48/09;N6/10
97163	14	52/09;22/10	97381	7	37,46,52/09;7,14,37/10	805980	4	N24,N41/09;N15,N18/10
97164	1	52/09;13,22/10	97383	16	24,25,37,44,46/09;1,2,7,11,15,37/10	806413	1	N31/09*
97166	2	N37/10				806464	1	N31/09*
97167	3	25/09;37/10	97384	5	44,46/09;15/10	806675	1	N31/09*
97180	7	N5*,N15,N38/10	97385	11	25,44/09;1,7,11/10	806901	1	N47/09*
97181	20	26,30,32,36,37,46,48,50/09;2,5,12,38,42/10	97386	6	40/09	806928	1	N40/10*
			97387	3	36,44/09;1,7/10	806929	1	N40/10*
97182	14	N33*,N48/09;N5/10	97389	2	11/10	806946	1	N46/09*
97183	9	30,36/09;38/10	97390	6	N13*,N14,N25,N34,N44,N47/09;N2/10	806952	1	N47/09*
97184	16	N35/09*;N38/10				806958	1	N47/09*
97185	2	47/09;42/10	97391	27	34/09	806959	1	N31/10*
97187	3	36/09	97392	5	17,25,34/09;4,37,39/10	806967	1	N24/10*
97188	3	47,52/09;5,42/10	97396	14	8,9,10,14,17,25,47/09;2,4,14,37,39/10	807448	2	N24,N41/09;N15/10
97189	2	30/09;38/10	97397	8	N9*,N10,N14,N17/09;N4,N37/10	808528	1	N41/09
97190	2	26,31,32,36,37,45,50/09;8,16,20/10	97398	4	9,10/09;4,37/10	808568	1	N49/09;N31,N33/10
			97400	4	8,10,37,39/09;4/10	808916	4	N6/09*
97201	7	26,45/09;8/10	97409	5	26/09	809055	7	N8,N29,N32,N46/10
97202	16	N47/09	97410	9	25,36/09;4/10	809310	10	N47/09*;N46/10
97204	9	31,38,52/09;10,20/10	97412	7	25/09	809381	1	N31/09*
97206	3	20/10	97420	17	24,25,36,41,46,47/09;4,7,11,14,38,39/10	809679	2	N30/09;N22,N27,N34,N43,N44,N46/10
97218	3	37/09;12/10				809780	1	N13,N37/09
97219	4	37,52/09;12,17/10	97421	13	47/09;7,38/10			
97220	4	50/09;39/10	97423	3	N25,N47/09			
97221	21	N18*,N31,N35,N41,N47,N48,N50,N52/09;N1,N10,N12,N17,N20,N38,N39/10	97425	7	N5*,N25,N36/09;N38,N39/10			
			97440	8	26,37,43,46/09;10,16,37/10			
97222	12	31,41,48,52/09;1,38/10	97441	5	24,43,46/09;16/10			
97225	32	31,41,50,52/09;1,10,20,38,39/10	97443	6	24,43,46/09;16/10			
			97460	7	6,12,16,19,37,43,46/09;10,16/10			
97228	16	N34/09*;N39/10	97461	9	6,12,14,16,19,37/09;18/10			
97229	12	50/09;39/10						
97231	11	37/09;12/10	97465	9	6,12,14,23,34/09			
97232	9	31/09	97466	3	N48/09*			
97233	12	35,39,43,50/09;11,12,13,38,43,46/10;1/11	97469	10	12,34/09;18/10;1/11			
97234	17	35,49/09;13,38/10;1/11	97471	6	N25/09*;N1/11			
97235	2	9,11/10	97472	8	6,12/09			
97236	20	31,43,49/09;38/10	97473	8	N19/10*			
97238	11	31/09	97474	7	12/09			
97239	10	35,37,43/09;46/10	97480	8	6,8,15/09;16,30/10			
97241	6	35,36/09	97481	6	34/09			
97243	9	N31,N34,N37,N39,N43,N50/09;N12,N16,N43,N46/10	97483	7	32,38/09;16/10			
			97521	6	49/09;20/10			
97244	5	39/09;7/10	97564	3	34/09			
97245	11	39/10	800113	6	N26*,N46/09;N38,N41/10			
97246	7	31/09	800669	9	N26*,N34,N46/09;N7,N12,N38,N41/10			
97251	4	31,52/09						
97261	15	31,35,36,38,50/09;1,38/10	800744	1	N3,N26,N41,N46/09			
			801217	1	N6,N12,N16/09			
97262	11	N43/09;N1,N46/10	801959	2	N21/09			
97263	10	31,35/09;46/10	802202	8	N44/10;N2,N3/11			
97266	6	N5*,N12,N38,N43,N44,N45,N46/10	802260	6	N26*,N34/09;N7,N12/10			
			803222	1	N31/09*			
97267	16	28,39,44,47,50/09;38/10	803400	1	N40/10*			
97269	12	N39/09*	803401	1	N24/10*			
97270	7	N38,N47/09	803405	1	N46/09*			
97271	12	31,41/09;5/10	803408	1	N47/09*			
97272	11	27,35,41,43,52/09;7/10	803410	1	N46/09*			
97273	11	27,31,41,52/09;5,7,21/10	803417	1	N24/10*			
97274	19	31,40,48,52/09;2,7,11,16,38/10	803418	1	N47/09*			
			803429	1	N31/10*			
97276	2	44/09	803436	1	N47/09*			
97277	12	26,31,35,39,41,43/09;5,7,13,20,21,38/10	803450	1	N40/10*			
97278	12	31,38,43,46/09;5,13,20,21,37/10	803452	1	N10/10*			
			803456	1	N47/09*			
97279	10	N14/09*;N5,N20/10	803457	1	N40/10*			
97281	3	21/10	803458	1	N46/09*			
97283	4	N31/09;N20/10	803463	1	N40/10*			
97285	7	41,52/09;11,38/10	803470	1	N46/09*			
97286	7	34,41,47,52/09;2,38/10	803472	1	N31/10*			
97287	6	34,44,47/09;11/10	803475	1	N46/09*			
97300	6	30,36,38,46/09;37,39/10	803482	1	N47/09*			
97304	1	39/10	803486	1	N47/09*			
97320	6	38,43,46/09;37,39/10	803487	1	N40/10*			
97340	8	26,34/09;37/10	803489	1	N10/10*			
97342	14	34/09;37/10	803496	1	N46/09*			
			803738	1	N40/10*			

**SECTION II**  
**NGA/DLIS CATALOG CORRECTIONS**

**NM 3/11**

Note: Underlining indicates that column in which a correction has been made or new information added.			Edition		Price Category	NTM
NGA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date		
<b>REGION 1</b>						
11ACO11480 (7642014010113)	<u>Charleston Light to Cape Canaveral</u>	449,659	<u>41</u>	<u>11/10</u>	NOS	3/11
11AHA11502 (7642014010156)	<u>Doboy Sound to Fernandina</u>	80,000	<u>32</u>	<u>11/10</u>	NOS	3/11
12XHA12332 (7642014010373)	Raritan River	20,000	<u>23</u>	<u>11/10</u>	NOS	3/11
16BHA16710 (7642014011324)	Channel Is to Cordova	30,000	<u>18</u>	<u>11/10</u>	NOS	3/11
18BHA18456 (7642014011571)	Olympia Harbor and Budd Inlet	20,000	<u>21</u>	<u>11/10</u>	NOS	3/11
18AHA18764 (7642014011535)	Pyramid Cove and Approaches	15,000	<u>10</u>	<u>11/10</u>	NOS	3/11
18ACO18765 (7642014011509)	<u>Approaches to San Diego Bay</u>	100,000	<u>17</u>	<u>11/10</u>	NOS	3/11
	Inset: Mission Bay	20,000				
<b>MISCELLANEOUS CHARTS AND PUBLICATIONS</b>						
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**SECTION II**  
**NAVIGATION PUBLICATIONS**

**NM 3/11**

**COAST PILOT CORRECTIONS**

<b>COAST PILOT 7</b>	<b>43 Ed 2011</b>	<b>NEW EDITION</b>
(NOS)		3/11

## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME I ATLANTIC COAST, 2010

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*2171	Eagle Point Inner Buoy 5	44 15 37 N 68 14 27 W					Private aid.
							3/11
17935	- Channel Junction Lighted Bell Buoy 13	41 30 41 N 71 20 50 W	FI (2+1) G 6s		3	Green and red bands.	
		*					3/11
31475	- Lighted Buoy 87	40 38 32 N 73 14 45 W	Q G		3	Green.	Replaced by can from Nov.1 to Apr. 15.
					*		3/11
32720	- Buoy R1	40 36 11 N 73 31 35 W				Green can.	Private aid.
		*					3/11
32725	- Buoy R3	40 36 15 N 73 31 28 W				Green can.	Private aid.
		*					3/11
32730	- Lighted Buoy R4	40 36 21 N 73 31 24 W	FI R 4s			Red.	Private aid.
		*					3/11
32735	- Buoy R5	40 36 24 N 73 31 28 W				Green can.	Private aid.
		*					3/11
32740	- Buoy R6	40 36 29 N 73 31 25 W				Red nun.	Private aid.
		*					3/11
32745	- Buoy R7	40 36 36 N 73 31 29 W				Green can.	Private aid.
		*					3/11
32750	- Buoy R8	40 36 36 N 73 31 25 W				Red nun.	Private aid.
		*					3/11
32755	- Buoy R9	40 36 45 N 73 31 28 W				Green can.	Private aid.
		*					3/11
32760	- Buoy R10	40 36 44 N 73 31 23 W				Red nun.	Private aid.
		*					3/11
32764	- Buoy FB1	40 36 29 N 73 34 10 W				Green can.	Private aid.
		*					3/11

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## SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME I ATLANTIC COAST, 2010							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
32765	- Buoy FB2	40 36 27 N 73 34 07 W				Red nun.	Private aid.
	*						3/11
32770	- Buoy FB3	40 36 34 N 73 33 56 W				SG on pile.	Private aid.
	*	*					3/11
32775	- Buoy FB4	40 36 34 N 73 33 47 W				TR on pile.	Private aid.
	*	*					3/11
32780	- Daybeacon FB5	40 36 38 N 73 33 46 W				SG on pile.	Private aid.
	*	*					3/11
32785	- Daybeacon FB6	40 36 39 N 73 33 35 W				TR on pile.	Private aid.
	*	*					3/11
32786	- Buoy FB7	40 36 41 N 73 33 36 W				Green can.	Private aid.
	*	*					3/11
32787	- Buoy FB9	40 36 46 N 73 33 29 W				Green can.	Private aid.
	*	*					3/11
32795	- Junction Lighted Buoy P	40 36 38 N 73 34 22 W	<b>IQ G</b>			Green and red bands.	Private aid.
		*					3/11
32800	- Lighted Buoy P1	40 36 42 N 73 34 30 W	<b>FI G 4s</b>			Green.	Private aid.
		*					3/11
32805	- Lighted Buoy P2	40 36 44 N 73 34 28 W	<b>FI R 4s</b>			Red.	Private aid.
		*					3/11
32815	- Lighted Buoy P6	40 36 58 N 73 34 45 W	<b>Q R</b>			Red.	Private aid.
		*					3/11
32820	- Lighted Buoy P8	40 37 08 N 73 34 47 W	<b>FI R 4s</b>			Red.	Private aid.
		*					3/11
32825	- Lighted Buoy P9	40 37 29 N 73 34 42 W	<b>FI G 4s</b>			Green.	Private aid.
		*					3/11

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME I ATLANTIC COAST, 2010

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
32830	- Lighted Buoy P10	40 37 23 N 73 34 42 W	FI R 4s			Red.	Private aid.
		*					3/11
32835	- Lighted Buoy P11	40 37 37 N 73 34 46 W	FI G 4s			Green can.	Private aid.
	*		*				3/11

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME II ATLANTIC COAST, 2010

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
27045	- Buoy 2	39 16 14 N 76 22 16 W				Red nun.	
		*					3/11

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME III ATLANTIC AND GULF COASTS, 2010

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
4650	South Channel Lighted Buoy 1	32 01 51 N 80 51 12 W	FI G 4s		4	Green.	
					*		3/11

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV GULF OF MEXICO, 2010

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
18435	- ATCHAFALAYA RIVER LIGHT 42	29 38 19 N 91 14 18 W	FI R 4s	17	4	TR on pile.	Ra ref.
		*					3/11
21855 34060	- LIGHT 51	29 50 49 N 93 57 07 W	FI G 4s	17	4	SG-TY on pile.	
		*					3/11
21965 33960	- LIGHT 66	29 58 05 N 93 51 08 W	FI R 2.5s	17	4	TR-SY on pile.	
		*					3/11
28880	- Buoy 48	29 41 03 N 84 52 45 W				Red nun with yellow triangle.	
		*					3/11
33960 21965	- LIGHT 66	29 58 05 N 93 51 08 W	FI R 2.5s	17	4	TR-SY on pile.	
		*					3/11
34060 21855	- LIGHT 51	29 50 49 N 93 57 07 W	FI G 4s	17	4	SG-TY on pile.	
		*					3/11

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV GULF OF MEXICO, 2010

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
35445	- LIGHT 2	28 53 49 N 95 23 01 W	FI R 4s	20	4	TR-TY on tower on mud sill.	*
		*					3/11

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2010

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
29167	Sea Engineering Research Buoy						<i>Remove from list.</i>
							* 3/11

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII GREAT LAKES AND THE ST. LAWRENCE RIVER ABOVE THE ST. REGIS RIVER, 2010

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
6590	- Lighted Buoy 5						<i>Remove from list.</i>
							* 3/11
6595	- Lighted Buoy 6						<i>Remove from list.</i>
							* 3/11

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## SECTION II

CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2010 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
15617.1 <i>J 4411.1</i>	-Rear, 195 meters from front.	21° 16.1' N 89° 42.0' W	<b>Iso.W.</b> period 2s	59 <b>18</b>	9	Red truncated pyramidal metal tower; 52.	
			*	*	*	*	3/11
*15623.01 <i>J 4416.5</i>	-Muelle Fiscal, No. 1.	21° 18.3' N 89° 40.0' W	<b>Iso.R.</b> period 2s	36 <b>11</b>	7	White round concrete tower, red bands; 23.	
							3/11
*15623.02 <i>J 4416.55</i>	--No. 2.	21° 18.9' N 89° 40.1' W	<b>Iso.R.</b> period 2s	36 <b>11</b>	7	White round concrete tower, red bands; 23.	
							3/11
*15623.03 <i>J 4416.6</i>	--No. 3.	21° 19.9' N 89° 40.2' W	<b>Iso.G.</b> period 2s	36 <b>11</b>	7	White round concrete tower, red bands; 23.	
							3/11
*15623.04 <i>J 4416.65</i>	--No. 4.	21° 20.2' N 89° 40.2' W	<b>Iso.R.</b> period 2s	36 <b>11</b>	7	White round concrete tower, red bands; 23.	
							3/11
*15623.05 <i>J 4417.01</i>	--No. 5.	21° 20.7' N 89° 40.2' W	<b>Fl.(2)R.</b> period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	36 <b>11</b>	7	White round concrete tower, red bands; 26.	
							3/11
*15623.06 <i>J 4417.02</i>	--No. 6.	21° 20.8' N 89° 40.4' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	33 <b>10</b>	7	White round concrete tower, red bands; 26.	
							3/11
*15623.07 <i>J 4417.03</i>	--No. 7.	21° 20.9' N 89° 40.5' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	33 <b>10</b>	7	White round concrete tower, green bands; 26.	
							3/11
*15623.08 <i>J 4417.04</i>	--No. 8.	21° 20.9' N 89° 40.8' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	33 <b>10</b>	7	White round concrete tower, green bands; 26.	
							3/11
*15623.09 <i>J 4417.05</i>	--No. 9.	21° 20.8' N 89° 41.0' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	33 <b>10</b>	7	White round concrete tower, green bands; 26.	
							3/11
*15623.1 <i>J 4417.07</i>	--No. 10.	21° 20.7' N 89° 40.8' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	33 <b>10</b>	7	Green round concrete tower; 26.	
							3/11
15624 <i>J 4417</i>	-Terminal Remota.						<i>Remove from list.</i>
							*
*15625 <i>J 4417.082</i>	--Corner between berths 5 and 6.	21° 20.7' N 89° 40.5' W	<b>2 F.R.</b>	11 <b>4</b>	2		
							3/11

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## SECTION II

### CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2010 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
15626 <i>J 4417.1</i>	--Center.						<i>Remove from list.</i>
							* 3/11
*15627 <i>J 4417.09</i>	-Cruise wharf, N. side.	21° 20.5' N 89° 40.5' W	<b>Iso.G.</b> period 2s	20 <b>6</b>	5	Green round concrete tower; 20.	3/11
*15627.1 <i>J 4417.1</i>	--S. side.	21° 20.5' N 89° 40.5' W	<b>Iso.R.</b> period 2s	20 <b>6</b>	5	Green round concrete tower; 20.	3/11
15628 <i>J 4417.2</i>	--E. corner.						<i>Remove from list.</i>
							* 3/11
15629 <i>J 4416.15</i>	-Range, front.	21° 20.5' N 89° 41.3' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	52 <b>16</b>	6	Truncated pyramidal metal tower; 39.	3/11
		*	*				3/11
15629.1 <i>J 4416.16</i>	--Rear.	21° 18.0' N 89° 41.3' W	<b>Iso.W.</b> period 2s	92 <b>28</b>	10	Truncated pyramidal metal tower; 79.	3/11
		*	*				3/11

### CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2010 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1160 <i>G 1918</i>	<b>-Peninsula Guacolda.</b>	28° 27.7' S 71° 15.3' W	<b>L.Fl.W.</b> period 15s fl. 2s, ec. 13s	128 <b>39</b>	20	White fiberglass tower, red band; 26.	Visible 090°-320°.
		*					3/11
1161 <i>G 1918.2</i>	-Marine Terminal No. 1, Range, front.	28° 27.8' S 71° 15.3' W	<b>F.R.</b>			Mast, white square daymark, black ball; 16.	Occasional.
							* 3/11
*1161.25 <i>G 1918.21</i>	--Middle, 35 meters 275° from front.	28° 27.8' S 71° 15.3' W	<b>F.G.</b>			Mast, white square daymark, black ball; 16.	Occasional.
							3/11
1161.5 <i>G 1918.22</i>	--Rear, 50 meters 275° from front.	28° 27.8' S 71° 15.3' W	<b>F.G.</b>			Mast, white square daymark, black ball; 16.	
	*						3/11
*1162.81 <i>G 1918.6</i>	-A-1, Range, common front.	28° 28.3' S 71° 14.8' W	<b>F.G.</b>				
							3/11
*1162.82 <i>G 1918.59</i>	--A-2, rear, 150 meters 225° from front.	28° 28.3' S 71° 14.9' W	<b>F.G.</b>				
							3/11

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## SECTION II

### CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2010 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*1162.83 G 1918.61	-A-3, rear, 139 meters from front.	28° 28.3' S 71° 14.9' W	<b>F.G.</b>				
							3/11
1162.9 G 1918.8	-Pt. Loros Range, front.	28° 28.3' S 71° 14.6' W	<b>F.R.</b>			Metal tower, white rectangular daymark, black ball; 33.	
			*				3/11
1163 G 1919.1	-Sta. Barbara Terminal Range, common front.	28° 28.4' S 71° 14.1' W	<b>F.G.</b>			Mast, white rectangular daymark, black ball; 33.	
	*	*	*			*	3/11
1163.5 G 1919.11	--Rear, 340 meters from front.	28° 28.5' S 71° 13.9' W	<b>F.G.</b>			Mast, white rectangular daymark, black ball; 26.	
			*			*	3/11
*1163.6 G 1919	--Rear, 95 meters from front.	28° 28.4' S 71° 14.1' W	<b>F.G.</b>				
							3/11
1328 G 1855	-Punta San Carlos.	33° 37.9' S 78° 49.7' W	<b>Fl.W.</b> period 12s fl. 1s, ec. 11s	18 6	9	White fiberglass tower, red band; 11.	Visible 180°-001°.
		*	*	*	*	*	3/11
1330 G 1856	-Cumberland Bay.	33° 38.2' S 78° 49.7' W	<b>Fl.G.</b> period 5s fl. 1s, ec. 4s	16 5	3	Green metal framework tower; 10.	Visible 184°-279°.
		*			*		3/11

### CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2010 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*14466 F 2556	Sta Cruz.	13° 18.6' N 121° 20.1' E	<b>Fl.R.</b> period 10s			Fiberglass structure.	
							3/11
14970 F 2442.5	Calunangan.	10° 52.4' N 124° 30.1' E	<b>Fl.(2)W.</b> period 10s			Fiberglass structure.	
			*			*	3/11
*15093 F 2266.5	Molugan Point.	8° 31.8' N 124° 34.3' E	<b>Fl.G.</b> period 5s	39 12	7		
							3/11
15132 F 2248	Rasa Island, S. end.	9° 47.5' N 125° 35.1' E	<b>Fl.(3)W.</b> period 10s	10 3	7	Square concrete tower; 10.	Visible 235°-146°.
					*		3/11
25790 K 1624	Tolehu.						<i>Remove from list.</i>
						*	3/11

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## SECTION II

### CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2010 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*26513 <i>F 1210.5</i>	-Chidiyatapu.	11° 28.8' N 92° 42.7' E	<b>Fl.(2)W.</b> period 10s	171 <b>52</b>	10	White concrete tower, black bands.	3/11

### CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2010 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*17135 <i>E 4881.4</i>	--Inner harbor.	40° 24.1' N 27° 18.4' E	<b>Fl.Y.</b> period 3s fl. 1s, ec. 2s	26 <b>8</b>	7		3/11
*20817 <i>E 5914.68</i>	-Kurtulus, jetty, head.	36° 37.3' N 36° 11.7' E	<b>Fl.G.</b> period 4s fl. 1s, ec. 3s	26 <b>8</b>	5	Metal tower; 20.	3/11

### CORRECTIONS TO PUB 115, LIST OF LIGHTS, 2010 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
836 <i>B 2588</i>	-Larvik Havn.	59° 03.0' N 10° 01.5' E	<b>Iso.W.R.G.</b> period 4s	16 <b>5</b>	W. 4 R. 3 G. 2	Column; 16.	G. 292°18'-306°48', R.- 332°24', W.-336°06', G.- 346°48', R.-018°30'.
	*		*		*	*	* 3/11

### CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2010 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*12391 <i>C 3553</i>	-Ronu dikis	56° 58.3' N 24° 05.0' E	<b>Fl.(3)G.</b> period 9s	20 <b>6</b>	1	White round column; 13.	3/11

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## SECTION II

NM 3/11

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 3/11

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NGA Reference No.	Ed.	Notice to Mariners No.	NGA Reference No.	Ed.	Notice to Mariners No.	NGA Reference No.	Ed.	Notice to Mariners No.
<b>NGA/DLIS CATALOGS CATCDLIMDIS</b>			<b>Region 6</b>			<b>NGA LIST OF LIGHTS</b>		
Region 1	2005	11*,12,13,14,15,16,18,21,22,23,24,25,26,27,28,29,31,32,33,34,35,36,38,39,40,41,42,43,45,46,47,48,49,50,51,53/05;2,3,4,5,6,8,9,10,11,12,14,15,16,17,19,20,21,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,45,46,48,49,50,51,52/06;1,3,4,6,7,8,10,11,12,13,14,17,19,20,22,23,24,25,26,30,31,32,33,34,36,37,38,40,41,43,44,45,46,47,49,50,51,52/07;1,5,6,7,8,11,12,13,15,16,17,18,19,20,21,22,23,24,25,27,28,30,31,32,33,34,36,38,39,40,41,42,43,44,46,47,48,50,51/08;1,3,6,7,8,9,10,11,13,14,15,17,19,22,23,24,25,26,27,28,29,30,31,32,34,35,37,39,40,41,42,44,46,47,48,52/09;1,3,4,5,9,10,11,12,15,17,18,19,23,24,26,27,28,31,32,34,35,37,38,40,41,43,44,46,48,51,52/10;2,3/11	Region 6	2005	11*,18,23,28,43,46,52/05;5,7,10,12,14,16,25,30,35,36,40,41,42,43,45,50/06;3,6,7,10,12,20,28,30,35,39,41,42,50/07;3,7,8,11,13,15,20,22,32,34,37,43,45,46/08;7,8,14,16,18,23,38,41,48/09;10,19,28,32,46/10	LLPUB110	2010	22*,23,24,25,26,27,28,30,32,33,34,36,37,38,39,40,41,42,44,45,46,47,48,49,50,51,52/10;3/11
			Region 7	2005	11*,14,43,47,52/05;12,14,15,17,18,19,20,21,25,27,35,42,45,46,47,48,49,52/06;3,4,8,9,10,11,12,13,14,15,16,17,18,19,20,23,30,34,35,36,39,42,50/07;1,7,10,16,17,20,22,25,26,37,42,43,48/08;1,8,10,11,12,13,14,20,22,41,43/09;17,22,36,39,41,42,44,45,46,47,49/10	LLPUB111	2010	37*,38,39,40,41,45,46,47,48,49,51,52/10;3/11
			Region 8	2005	11*,23,53/05;15,16,25,32,35,39,52/06;10,20,23,39,40,41/07;8,21,36,39,49,51/08;5,7,14/09;19,22,24,32,37,42,49/10	LLPUB112	2010	47*,49,50,51,52/10;1,2,3/11
			Region 9	2005	11*,43,47,52/05;2,4,5,8,21,22,25,27,29,32,39,40,42,45/06;3,4,7,10,13,21,22,28,29,34,38,40,41,50/07;3,7,8,10,17,19,20,24,25,32,33,34,36,38,43,45,48,49/08;1,5,8,9,10,13,14,18,24,25,30,33,34,35,39,43,44,48,50/09;5,10,12,19,32,38,44,46/10	LLPUB113	2010	44*,45,47,48,49,50,51,52/10;1,2,3/11
			Miscellaneous Charts and Publications	2005	11*,12,13,14,15,16,18,19,20,21,22,24,25,27,28,29,31,32,33,35,36,37,38,39,41,42,43,44,46,47,48,49,50,51,52/06;1,3,4,6,7,10,13,13,17,18,19,21,22,24,26,27,29,30,31,32,33,34,35,36,37,38,39,40,43,44,45,46,47,48,49,50,51,52/07;1,2,3,4,6,7,8,9,10,11,12,13,14,16,17,18,19,21,22,23,32,33,34,35,36,37,38,39,40,43,44,45,46,47,48,49,50,51,52/09;2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52/10;3,3/11	LLPUB114	2010	27*,32,34,36,37,38,40,41,45,47,49,50,52/10
Region 2	2005	11*,25,41/05;8,12,13,14,20,23,25,26,27,29,31,37,39,42/06;3,10,12,13,21,24,32,34,51/07;21,31,34,45,48,49/08;1,3,7,23,25,30,31,39,41,48,50/09;6,8,10,11,16,17,19,24,26,27,28,30,32,35,37,38,40,43,46,47,49/10				LLPUB115	2010	38*,41,44,47,51/10;1,3/11
Region 3	2005	11*,12,13,14,16,17,19,23,24,25,27,31,32,34,35,37,40,45,46,47,51/05;4,5,8,12,15,17,18,20,21,22,23,25,26,27,29,30,32,40,42,43,47,52/06;2,3,4,5,6,7,9,11,12,13,14,20,21,24,27,28,29,30,37,38,42,44/07;6,7,8,10,16,21,25,26,27,31,32,33,36,37,38,46,49,52/08;4,5,16,20,22,25,33,34,39,40,41,42,43/09;6,7,12,13,18,22,26,31,37,39,46/10				LLPUB116	2010	31*,32,33,34,36,37,39,41,42,43,44,45,46,47,48,52/10;1,2,3/11
Region 4	2005	11/05*;20,43/07;17,20,25,43,45/08;5,26,29,35,39,42,43,44,45,49/09;5,11,12,18,19,27,30,32,44,49/10				PUB120	2010	12/10*
Region 5	2005	11*,14,18,20,22,23,28,36,41,43,45,49/05;4,5,7,9,10,12,14,27,32,45/06;3,20,23,25,28,30,31,41/07;8,13,17,20,22,25,29,31,33,36,38,40,51/08;1,5,6,7,8,9,10,11,12,16,18,19,24,25,30,31,38,39,41,44,48,50/09;5,10,11,16,17,18,22,26,27,28,32,37,38,39,46/10				PUB123	2009	50/09*
						PUB124	2010	25/10*
						PUB125	2010	22/10*
						PUB126	2010	42/10*
						PUB127	2010	46/10*
						PUB131	2010	24/10*
						PUB132	2008	31/08*
						PUB140	2010	45/10*
						PUB141	2010	28/10*
						PUB142	2009	4/09*
						PUB143	2010	36/10*
						PUB145	2010	17/10*
						PUB146	2010	23/10*
						PUB147	2010	10/10*
						PUB148	2010	31/10*
						PUB153	2010	35/10*
						PUB154	2010	23/10*
						PUB155	2009	31/09*
						PUB157	2010	30/10*
						PUB158	2010	11/10*
						PUB159	2010	42/10*
						PUB160	2010	11/10*
						PUB161	2010	15/10*
						PUB162	2010	9/10*
						PUB163	2009	28/09*
						PUB164	2009	20/09*
						PUB171	2010	17/10*
						PUB172	2010	40/10*
						PUB173	2010	37/10*
						PUB174	2010	40/10*
						PUB175	2010	32/10*
						PUB180	2010	25/10*
						PUB181	2010	46/10*
						PUB182	2010	36/10*
						PUB183	2009	17/09*
						PUB191	2010	43/10*
						PUB192	2010	19/10*
						PUB193	2010	37/10*
						PUB194	2009	50/10*
						PUB195	2008	45/08*
						PUB200	2009	8/09*
						<b>USCG LIGHT LIST VOLUMES I - VII</b>		
						COMDTM165021	2010	12*,13,14,15,16,17,18,19,20,21,22,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52/10;1,2,3/11
						COMDTM165022	2010	12*,13,14,15,16,17,18,19,20,21,22,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,50/10;3/11

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 3/11**

Note: \* indicates New Edition/New Publication; \*\* indicates Publication Canceled; N indicates Not For Sale

NGA Reference No.	Ed.	Notice to Mariners No.	NGA Reference No.	Ed.	Notice to Mariners No.
COMDTM165023	2010	12*,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,39,40,41,42,43,44,45,46,47,49,50,51,52/10;1,2,3/11	<b>SIGHT REDUCTION TABLES (MARINE)</b>		
			SRPUB229V1	1970	11/71*
			SRPUB229V2	1970	11/71*
			SRPUB229V3	1970	7/71*
			SRPUB229V4	1970	3/71*
COMDTM165024	2010	21*,22,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,49,50,51,52/10;2,3/11	SRPUB229V5	1970	3/71*
			SRPUB229V6	1970	23/70*
			<b>SIGHT REDUCTION TABLES (AIR)</b>		
			SRPUB249V1	2007	38/07*
			SRPUB249V2	1952	46/52*
			SRPUB249V3	1952	46/52*
COMDTM165025	2010	17/10*	<b>CHART NO. 1</b>		
COMDTM165026	2010	12*,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52/10;1,2,3/11	WOBZC1	1997	18/98*
			<b>CHART NO. 4</b>		
			WOBZC4	1988	N23/91*
COMDTM165027	2010	21*,22,24,26,27,28,29,30,31,32,33,34,35,37,38,40,41,42,43,44,45,46,47,48,49,50,51/10;1,2,3/11	<b>ATLAS OF PILOT CHARTS</b>		
			NVPUB106	2002	42/03*
			NVPUB107	1998	30/99*
			NVPUB109	2001	49/02*
<b>DIGITAL PUBS - QUARTERLY</b>			<b>USCG NAVIGATION RULES</b>		
CDPUBQTLY	2010	N45/10*	COMDTM166722D	1999	44/99*;52/00;16/04
<b>FLEET GUIDES</b>			<b>NOS TIDE TABLES</b>		
PUBFGATL	2010	N35/10*	NOSPBTTCPACIN0	2010	N51/09*
PUBFGPAC	2010	N35/10*	NOSPBTTTCSTNSA0	2010	N51/09*
			NOSPBTTTEURAFR0	2010	N51/09*
			NOSPBTTWCSTNSA0	2010	N51/09*
<b>NOS MISCELLANEOUS PUBLICATIONS</b>			<b>TIDAL CURRENT TABLES</b>		
NOSPBCATALOGA	2009	27/09*	NOSPBTCATCSTN0	2010	N51/09*
NOSPBCATALOGG	2009	9/09*	NOSPBTCTPACAS0	2010	N51/09*
NOSPBCATALOGK	2009	31/09*			
NOSPBCATALOGL	2009	19/09*			
NOSPBCATALOGP	2009	17/09*			
<b>ALMANACS</b>					
AIRALMANAC111	2011	30/10*			
NAUTALMANAC11	2011	26/10*			
<b>COAST PILOT</b>					
NOSPBCP1	40	19*,21,24,31,34,35,37,38,40,45,48/10			
NOSPBCP2	40	47*,48,51,52/10			
NOSPBCP3	43	8*,9,12,14,18,23,34,37,38,39,45,48,51,52/10			
NOSPBCP4	42	40*,42,45,48/10			
NOSPBCP5	38	25*,26,31,34,36,37,39,42,45,49,52/10			
NOSPBCP6	40	15*,17,22,23,24,25,27,31,35,37,38,46,47,51/10			
NOSPBCP7	43	3/11*			
NOSPBCP8	32	31*,32,34,37,45/10			
NOSPBCP9	28	37*,38,45,51/10			
<b>RADIO NAVIGATIONAL AIDS</b>					
PUB117	2005	4/05*			
<b>AMERICAN PRACTICAL NAVIGATOR</b>					
NVPUB9	2002	36/02*;14,38/03;40/05			
<b>INTERNATIONAL CODE OF SIGNALS</b>					
PUB102	2003	20/03*			
<b>WORLD PORT INDEX</b>					
PUB150	2010	36/10*			
<b>DISTANCES BETWEEN PORTS</b>					
NVPUB151	2001	4/02*			
<b>RADAR NAVIGATION AND MANEUVERING BOARD MANUAL</b>					
CDPUBNV1310	2001	51/01*			

**BROADCAST WARNINGS**

Details concerning the particulars of the broadcasting of radio navigational warnings may be found in Radio Navigational Aids, Pub. 117.

**NAVAREA IV**

Messages in force 061400Z January 2011:

2010 series	437(28)	464(11,28)	519(27)	524(11)	1(15,38)
345(24)	441(28)	511(24)	521(GEN)	2011 series	3(GEN)

The summary of all NAVAREA IV messages in force as of 16 December 2010 is given in Section III of NM 52/10.

**NAVAREA IV WARNINGS issued from 291430Z December 2010 to 061400Z January 2011.**

521/10(GEN).

1. NAVAREA IV MESSAGES IN FORCE 310900Z DEC 10. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2010 SERIES: 495(24), 511(24), 519(27).
2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF 16 DEC 2010 IS GIVEN IN SEC III OF NM 52/10.
3. CANCEL NAVAREA IV 507/10, 518/10.

(310927Z DEC 2010)

522/10 and 523/10. CANCELED.

524/10(11).

- GULF OF MEXICO.  
ALABAMA.  
NOS CHART 11360 (42ND ED).  
MOBILE POINT DGPS STATION 30-13.7N 088-01.4W UNUSABLE.

(312222Z DEC 2010)

1/11(15,38).

- DAVIS STRAIT.  
NGA CHART 38032 (6TH ED).  
SCIENTIFIC MOORINGS ESTABLISHED IN:  
A. 66-38.824N 061-13.409W, TOP FLOAT 20 METERS.  
B. 66-39.566N 061-10.134W, TOP FLOAT 20 METERS.  
C. 66-38.532N 060-46.629W, TOP FLOAT 90 METERS.  
D. 66-45.776N 060-04.594W, TOP FLOAT 90 METERS.  
E. 66-51.158N 059-03.451W, TOP FLOAT 90 METERS.  
F. 66-58.772N 057-41.342W, TOP FLOAT 90 METERS.  
G. 67-02.166N 057-01.962W, TOP FLOAT 90 METERS.  
H. 67-04.300N 056-40.834W, TOP FLOAT 90 METERS.  
I. 66-19.387N 059-06-793W, TOP FLOAT 230 METERS.  
J. 67-14.472N 058-48.026W, TOP FLOAT 240 METERS.  
K. 66-29.048N 059-54.076W, TOP FLOAT 230 METERS.  
L. 67-06.343N 056-19.705W, TOP FLOAT 20 METERS.  
M. 67-08.696N 055-52.744W, TOP FLOAT 20 METERS.  
N. 67-11.554N 055-18.607W, TOP FLOAT 20 METERS.  
O. 67-15.809N 054-28.692W, TOP FLOAT 20 METERS.

(041229Z JAN 2011)

2/11. CANCELED.

3/11(GEN).

- GPS SATELLITE SYSTEM.  
1. PRN 15 UNUSABLE 101830Z TO 110630Z JAN.  
2. CANCEL THIS MSG 110730Z JAN.

(050106Z JAN 2011)

4/11. CANCELED.



## SECTION III

NM 3/11

## HYDROLANTS

Messages in force 061400Z January 2011:

2008 series	1741(35)	2332(56)	2459(26)	2530(54)	10(GEN)
1354(24)	1796(57)	2336(37)	2461(GEN)	2531(54)	15(24)
1463(24)	1835(37)	2350(35)	2481(37)	2532(54)	17(36)
1852(37)	1894(37)	2351(25)	2484(25,26)	2533(54)	18(GEN)
1917(24)	1908(24)	2361(25)	2486(51,52)	2534(54)	19(11,12)
2010 series	1921(35,36)	2369(35,43)	2489(56)	2535(52)	20(GEN)
58(56)	1984(54,56)	2400(24)	2493(57)	2537(24)	21(37)
103(24)	1985(23)	2414(55)	2494(24)	2538(24)	22(24)
452(37)	2013(57)	2415(54)	2508(25)	2539(24)	24(35)
471(35)	2081(37)	2426(57)	2514(56)	2540(24)	26(35,36,37)
642(35)	2110(37)	2432(53)	2515(53,56)	2541(24)	
845(24)	2256(24)	2435(37)	2516(24)	2543(GEN)	
914(37)	2276(24)	2436(36)	2520(37)	2544(24)	
996(24)	2279(37)	2442(12)	2521(54)	2011 series	
1079(24)	2282(52,53)	2443(52)	2522(57)	2(51)	
1426(52)	2302(24)	2452(37)	2526(57)	3(37)	
1429(56)	2311(25)	2454(GEN)	2527(53)	4(25)	
1724(35)	2320(26)	2458(24)	2529(54)	7(24)	

The summary of all HYDROLANTS in force as of 16 December 2010 is given in Section III of NM 52/10.

**HYDROLANT WARNINGS issued from 291430Z December 2010 to 061400Z January 2011.**

2521/10(54).

AEGEAN SEA.  
CABLE OPERATIONS IN PROGRESS UNTIL FURTHER  
NOTICE BY CABLESHIP RAYMOND CROZE  
ALONG TRACKLINE JOINING  
39-44.5N 025-44.2E, 39-43.7N 025-44.3E,  
39-43.0N 025-44.4E, 39-42.6N 025-44.3E,  
39-42.0N 025-44.3E.  
ONE MILE BERTH REQUESTED.

(291545Z DEC 2010)

2522/10(57).

GULF OF GUINEA.  
1. SEISMIC SURVEY IN PROGRESS UNTIL 10 FEB  
BY M/V RAMFORM VIKING TOWING TEN  
9000 METER LONG CABLES IN AREA BETWEEN  
05-00N 04-13N AND 004-30E 005-04E.  
WIDE BERTH REQUESTED.  
2. CANCEL THIS MSG 11 FEB 11.

(291747Z DEC 2010)

2523/10 thru 2525/10. CANCELED.

2526/10(57).

GULF OF GUINEA.  
1. SEISMIC SURVEY 31 DEC THRU 03 FEB BY  
M/V POLARCUS NAILA TOWING TEN  
8000 METER LONG CABLES  
IN AREA BOUND BY  
04-52.9N 000-13.6W, 05-05.7N 000-13.5W,  
05-38.8N 000-19.1E, 05-39.2N 000-23.0E,  
05-38.6N 000-26.1E, 05-37.5N 000-29.1E,  
05-37.1N 000-30.4E, 05-26.9N 000-32.3E,  
04-52.9N 000-00.9W, 04-52.9N 000-13.6W.  
WIDE BERTH REQUESTED.  
2. CANCEL THIS MSG 04 FEB 11.

(300922Z DEC 2010)

2527/10(53).

EASTERN MEDITERRANEAN SEA.  
ORDNANCE.  
1. BOMBING EXERCISES 010001Z TO 312359Z JAN  
WITHIN 25 MILES OF 34-30N 015-25E.  
2. CANCEL THIS MSG 010059Z FEB 11.

(300940Z DEC 2010)

2528/10. CANCELED.

2529/10(54).

AEGEAN SEA.

HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0500Z TO 1300Z DAILY  
01 JAN THRU 31 DEC EXCEPT SATURDAYS,  
SUNDAYS AND HOLIDAYS IN AREA BOUND BY  
37-47N 023-17E, 37-52N 023-22E,  
37-50N 023-26E, 37-44N 023-22E.
2. CANCEL THIS MSG 311400Z DEC 11.

(301516Z DEC 2010)

2530/10(54).

AEGEAN SEA.

HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0530Z TO 1230Z DAILY  
01 JAN THRU 31 DEC EXCEPT SATURDAYS,  
SUNDAYS AND HOLIDAYS IN AREA BOUND BY  
40-23.0N 023-04.8E, 40-16.3N 023-31.5E,  
40-04.5N 023-23.0E, 40-13.5N 022-58.0E
2. CANCEL THIS MSG 311330Z DEC 11.

(301523Z DEC 2010)

2531/10(54).

AEGEAN SEA.

HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0500Z TO 1500Z DAILY  
01 JAN THRU 31 DEC EXCEPT FRIDAYS,  
SATURDAYS, SUNDAYS AND HOLIDAYS  
IN AREA BOUND BY  
39-26.0N 023-53.0E, 39-43.0N 023-40.0E,  
40-00.5N 024-18.0E, 39-43.0N 024-31.0E.
2. CANCEL THIS MSG 311600Z DEC 11.

(301526Z DEC 2010)

2532/10(54).

SEA OF CRETE.

HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS SUNRISE TO 2100Z DAILY  
01 JAN THRU 31 DEC EXCEPT SATURDAYS,  
SUNDAYS AND HOLIDAYS IN AREA BOUND BY  
35-29N 023-46E, 35-29N 023-51E,  
35-34N 023-55E, 35-36N 023-49E,  
35-36N 023-46E.
2. CANCEL THIS MSG 312200Z DEC 11.

(301532Z DEC 2010)

2533/10(54).

AEGEAN SEA.

HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS SUNRISE TO SUNSET DAILY  
01 JAN THRU 31 DEC IN AREA BOUND BY  
38-02N 024-52E, 38-18N 025-21E,  
37-48N 025-49E, 37-34N 025-23E,  
37-42N 025-01E, 38-00N 024-52E.
2. CANCEL THIS MSG 01 JAN 12.

(301538Z DEC 2010)

2534/10(54).

SEA OF CRETE.

GUNNERY. MISSILES.

1. HAZARDOUS OPERATIONS 0530Z TO SUNSET DAILY  
WEDNESDAYS THRU FRIDAYS 01 JAN THRU 31 DEC,  
SATURDAYS 01 JAN THRU 31 MAR AND  
01 NOV THRU 31 DEC:  
A. IN AREA BOUND BY  
35-36.0N 024-07.0E, 35-31.0N 024-11.0E,  
35-36.0N 026-41.0E, 36-16.0N 026-40.0E,  
36-18.0N 025-59.0E, 36-25.0N 026-12.0E,  
36-18.0N 024-07.0E.  
B. WITHIN 1000 METERS OF 35-32.0N 024-13.0E.  
C. WITHIN 1000 METERS OF 35-28.0N 024-11.7E.
2. CANCEL THIS 01 JAN 12.

(301543Z DEC 2010)

2535/10(52).

TUNISIA-NORTHEAST COAST.

HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 01 JAN THRU 31 DEC  
IN AREA BETWEEN  
37-45N 38-00N AND 010-15E 010-30E.
2. CANCEL THIS MSG 01 JAN 12.

(301752Z DEC 2010)

2536/10. CANCELED.

2537/10(24).

BRAZIL-SOUTHEAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 070159Z JAN BY M/V WESTERN MONARCH TOWING 5556 METER LONG CABLES IN AREA BOUND BY 25-17S 042-50W, 24-36S 042-49W, 24-36S 042-04W, 25-17S 042-04W. SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 070259Z JAN 11.

(310048Z DEC 2010)

2538/10(24).

BRAZIL-SOUTHEAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 070159Z JAN BY M/V OCEAN EUROPE IN AREA BOUND BY 22-17.68S 040-09.75W, 22-22.95S 040-13.50W, 22-28.78S 040-04.02W, 22-23.50S 040-00.27W. SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 070259Z JAN 11.

(310051Z DEC 2010)

2539/10(24).

BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 070159Z JAN BY M/V VERITAS VANTAGE TOWING EIGHT 7000 METER LONG CABLES IN AREA BETWEEN 26-24.20S 26-49.00S AND 043-00.80W 045-10.46W. SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 070259Z JAN 11.

(310057Z DEC 2010)

2540/10(24).

BRAZIL-SOUTHEAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 070159Z JAN BY M/V WESTERN NEPTUNE TOWING 12 3.5 MILE LONG CABLES IN AREA BOUND BY 22-43.48S 040-52.68W, 23-03.99S 040-16.93W, 23-24.45S 040-30.77W, 23-03.44S 041-06.05W. SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 070259Z JAN 11.

(310102Z DEC 2010)

2541/10(24).

BRAZIL-SOUTHEAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 070159Z JAN BY M/V RAMFORM SOVEREING TOWING 14 8100 METER LONG CABLES IN AREA BETWEEN 23-45S 24-00S AND 042-30W 043-10W. SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 070259Z JAN 11.

(310109Z DEC 2010)

2542/10. CANCELED.

2543/10(GEN).

1. HYDROLANT MESSAGES IN FORCE 310900Z DEC 10. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2010 SERIES: 2242(37), 2246(55), 2256(24), 2276(24), 2279(37), 2282(52,53), 2302(24), 2311(25), 2320(26), 2332(56), 2336(37), 2350(35), 2351(25), 2361(25), 2369(35,43), 2400(24), 2414(55), 2415(54), 2424(52), 2426(57), 2432(53), 2435(37), 2436(36), 2442(12), 2443(52), 2452(37), 2454(GEN), 2458(24), 2459(26), 2461(GEN), 2481(37), 2484(25,26), 2486(51,52), 2489(56), 2493(57), 2494(24), 2503(GEN), 2508(25), 2512(36,37), 2514(56), 2515(53,56), 2516(24), 2519(57), 2520(37), 2521(54), 2522(57), 2525(51), 2526(57), 2527(53), 2528(24), 2529(54), 2530(54), 2531(54), 2532(54), 2533(54), 2534(54), 2535(52), 2537(24), 2538(24), 2539(24), 2540(24), 2541(24), 2542(35,36).
2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF 16 DEC 2010 IS GIVEN IN SEC III OF NM 52/10.
3. CANCEL HYDROLANT 2178/10, 2318/10, 2319/10, 2453/10, 2500/10, 2536/10.

(310934Z DEC 2010)

2544/10(24).

BRAZIL-SOUTH COAST.

NGA CHART 24120 (9TH ED).

CABO SANTA MARTA LIGHT 28-36.2S 048-48.8W UNRELIABLE.

(311930Z DEC 2010)

1/11. CANCELED.

2/11(51).

EASTERN NORTH ATLANTIC.  
DISTRESS SIGNAL RECEIVED IN 09-11.8N 024-17.5W.  
VESSELS IN VICINITY ARE REQUESTED TO KEEP A  
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS  
TO MRCC DAKAR, PHONE: 22 133 826 5001,  
FAX: 22 133 826 5000.

(010918Z JAN 2011)

3/11(37).

DOVER STRAIT.  
NGA CHART 37121 (11TH ED).  
COLBART NORTH BUOY 50-57.5N 001-23.3E UNLIT.

(010934Z JAN 2011)

4/11(25).

NORTH ATLANTIC.  
DISTRESS SIGNAL RECEIVED IN 25-05.8N 054-34.4W  
AT 011455Z JAN. VESSELS IN VICINITY REQUESTED  
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO RCC NORFOLK, INMARSAT: 430370670,  
TELEX: 127775, PHONE: 757 398 6231,  
FAX: 757 398 6392, E-MAIL: D05-SMB-D5CC@USCG.MIL.

(011525Z JAN 2011)

5/11 and 6/11. CANCELED.

7/11(24).

BRAZIL-NORTH COAST.  
1. SEISMIC SURVEY IN PROGRESS UNTIL 06 JAN  
M/V WG TASMAN TOWING 8334 METER  
LONG CABLE IN AREA BOUND BY  
03-38S 037-21W, 03-45S 037-27W,  
04-33S 036-31W, 04-26S 036-28W.  
SIX MILE BERTH REQUESTED.  
2. CANCEL THIS MSG 07 JAN.

(030302Z JAN 2011)

8/11 and 9/11. CANCELED.

10/11(GEN).

EUROPE-NORTHWEST COAST.  
1. LORAN-C STATION ANTHORN, RATE 6731,  
OFF AIR 060900Z TO 061700Z JAN.  
2. CANCEL THIS MSG 061800Z JAN

(032319Z JAN 2011)

11/11 thru 14/11. CANCELED.

15/11(24).

BRAZIL-SOUTH COAST.  
HAZARDOUS OPERATIONS.  
1. HAZARDOUS OPERATIONS 092200Z TO 101330Z JAN  
IN AREA BOUND BY  
29-26.00S 047-33.50W, 29-32.00S 047-23.50W,  
29-52.00S 047-40.00W, 29-46.50S 047-50.00W.  
2. CANCEL HYDROLANT 2424/10(52).  
3. CANCEL THIS MSG 101430Z JAN.

(041504Z JAN 2011)

16/11. CANCELED.

17/11(36).

ENGLAND-WEST COAST.  
NGA CHART 36025 (1ST ED).  
1. HALFWAY SHOAL LIGHT 54-01.5N 003-11.8W UNLIT.  
2. CANCEL HYDROLANT 2512/10(36,37), 9/11(37).

(042008Z JAN 2011)

18/11(GEN).

GPS SATELLITE SYSTEM.  
1. PRN 15 UNUSABLE 101830Z TO 110630Z JAN.  
2. CANCEL THIS MSG 110730Z JAN.

(050053Z JAN 2011)

SECTION III

NM 3/11

- 19/11(11,12).  
WESTERN NORTH ATLANTIC.  
45 FOOT S/V BOOMERANG, TWO PERSONS ON BOARD,  
IN NEED OF DIESEL FUEL IN 34-46.2N 074-16.1W  
AT 040415Z JAN. VESSELS IN VICINITY REQUESTED  
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO RCC NORFOLK, INMARSAT: 430370670,  
TELEX: 127775, PHONE: 757 398 6231,  
FAX: 757 398 6392, E-MAIL: D05-SMB-D5CC@USCG.MIL.  
(050532Z JAN 2011)
- 20/11(GEN).  
EUROPE-NORTHWEST COAST.  
1. LORAN-C CHAIN ANTHORN, RATE 6731-Y,  
OFF AIR 060900Z TO 061700Z JAN.  
2. CANCEL THIS MSG 061800Z JAN.  
(051049Z JAN 2011)
- 21/11(37).  
SOUTHERN NORTH SEA.  
ORDNANCE.  
NGA CHART 37166 (2ND ED).  
UNEXPLODED ORDNANCE VICINITY 53-31.5N 001-55.2E.  
(052114Z JAN 2011)
- 22/11(24).  
BRAZIL-SOUTHEAST COAST.  
HAZARDOUS OPERATIONS.  
1. HAZARDOUS OPERATIONS 101000Z TO 101600Z JAN  
IN AREA BETWEEN  
20-25.0S 20-32.0S AND 039-38.5W 039-46.0W.  
2. CANCEL THIS MSG 101700Z JAN.  
(060022Z JAN 2011)
- 23/11. CANCELED.
- 24/11(35).  
SCOTLAND-NORTH COAST.  
NGA CHART 35001 (2ND ED).  
SULE SKERRY LIGHT 59-05.0N 004-24.3W AT REDUCED INTENSITY  
AND RACON INOPERATIVE.  
(060154Z JAN 2011)
- 25/11. CANCELED.
- 26/11(35,36,37).  
IRISH SEA.  
CELTIC SEA.  
RADIO SERVICES.  
MRCC MILFORD HAVEN 51-41N 005-10W  
MF DSC SERVICE UNABLE TO TRANSMIT.  
(060724Z JAN 2011)
- 27/11 thru 29/11. CANCELED.

SECTION III

NM 3/11

NAVAREA XII

Messages in force 061400Z January 2011:

2010 series 495(GEN) 2011 series 1(19) 2(18) 3(GEN)

The summary of all NAVAREA XII messages in force as of 16 December 2010 is given in Section III of NM 52/10.

NAVAREA XII WARNINGS issued from 291430Z December 2010 to 061400Z January 2011.

493/10 and 494/10. CANCELED.

495/10(GEN).

- 1. NAVAREA XII MESSAGES IN FORCE 310900Z DEC 10. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2010 SERIES: 471(19), 492(18).
- 2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 16 DEC 2010 IS GIVEN IN SEC III OF NM 52/10.
- 3. CANCEL NAVAREA XII 490/10, 491/10.

(310939Z DEC 2010)

1/11(19).

NORTH PACIFIC.  
HAWAII.  
MISSILES.

- 1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2400Z DAILY MONDAY THRU SUNDAY IN THE PACIFIC MISSILE RANGE FACILITY, HAWAIIAN AREA, BARKING SANDS, KAUAI. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE 1600Z TO 0400Z DAILY MONDAY THRU FRIDAY. PACIFIC MISSILE RANGE FACILITY HAWAIIAN AREA (W188) IS BOUND BY  
22-02.4N 159-47.3W, 22-00.0N 159-51.0W, 22-00.0N 160-00.0W, 22-02.7N 160-09.1W, 22-03.0N 160-21.0W, 22-05.0N 161-35.0W, 22-56.0N 161-49.0W, 22-45.0N 161-25.0W, 23-57.0N 160-41.0W, 25-41.0N 161-36.0W, 25-47.0N 158-15.0W, 23-54.0N 158-15.0W, 22-20.0N 159-09.0W, 21-58.1N 159-20.5W, 22-13.0N 159-42.0W, 22-00.0N 159-51.0W.
- 2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT "MISSILE RANGE BARKING SANDS" ON 2182 KHZ, 4491 USB OR 156.8 MHZ (CHANNEL 16) BEFORE ENTERING THE ABOVE BOUNDARIES. IF UNABLE TO CONTACT THE PACIFIC MISSILE RANGE FACILITY PRIOR TO ENTERING OR WHILE IN THE WARNING AREA, RELAY MESSAGES THROUGH U.S. COAST GUARD HONOLULU.
- 3. VESSELS INBOUND AND OUTBOUND FOR HAWAIIAN PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS AS WELL AS ENHANCE THE VESSEL'S SAFETY BY PASSING SOUTH OF THE ISLANDS OF KAUAI AND NIIHAU DURING SPECIFIED TIMES.
- 4. CANCEL NAVAREA XII 471/10.

(010955Z JAN 2011)

2/11(18).

EASTERN NORTH PACIFIC.  
CALIFORNIA.  
MISSILES.

- 1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2359Z DAILY MONDAY THRU SUNDAY IN THE NAVAL AIR WARFARE CENTER SEA RANGE. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE 1400Z TO 2359Z AND 0001Z TO 0200Z DAILY MONDAY THRU FRIDAY IN AREA BOUND BY  
34-02N 119-04W, 33-52N 119-06W, 33-29N 118-37W, 33-20N 118-37W, 32-11N 120-16W, 31-54N 121-35W, 35-09N 123-39W, 35-29N 123-00W, 35-57N 121-32W, 34-04N 119-04W.
- 2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT PLEAD CONTROL ON 5081.5 MHZ (5080 KHZ) OR 3238.5 KHZ (3237 KHZ) SECONDARY OR 156.8 MHZ (CH 16) OR 127.55 MHZ BEFORE ENTERING THE ABOVE BOUNDARIES AND MAINTAIN CONTINUOUS GUARD WHILE WITHIN THE RANGE.
- 3. VESSELS INBOUND AND OUTBOUND FOR SOUTHERN CALIFORNIA PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS DURING THE SPECIFIC PERIODS, AS WELL AS ENHANCE THE VESSEL'S SAFETY WHEN PASSING THROUGH THE VICINITY OF THE SEA RANGE IF THEY WILL TRANSIT VIA THE SANTA BARBARA CHANNEL AND WITHIN NINE MILES OFFSHORE VICINITY OF POINT MUGU OR CROSS THE AREA SOUTHWEST OF SAN NICOLAS ISLAND BETWEEN SUNSET AND SUNRISE.
- 4. CANCEL NAVAREA XII 492/10.

(031410Z JAN 2011)

**NM 3/11**

**SECTION III**

3/11(GEN).

GPS SATELLITE SYSTEM.

1. PRN 15 UNUSABLE 101830Z TO 110630Z JAN.
2. CANCEL THIS MSG 110730Z JAN.

(050108Z JAN 2011)

4/11 and 5/11. CANCELED.

## SECTION III

NM 3/11

## HYDROPACS

Messages in force 061400Z January 2011:

2007 series	1930(74)	2827(22)	2948(62)	2989(GEN)	39(21)
1284(71)	2132(63)	2844(63)	2949(62)	2991(63)	40(62)
2008 series	2179(71)	2847(91,93,94)	2952(63)	2993(61)	41(63)
44(GEN)	2192(94)	2855(97)	2954(61)	2011 series	42(GEN)
1345(92)	2462(93)	2860(81,82)	2962(94)	2(81)	46(71)
2009 series	2475(63)	2862(82)	2963(63)	4(63)	47(63)
1128(22)	2502(75)	2867(61)	2965(63)	5(97)	48(63)
2364(63)	2509(62)	2871(61,63)	2966(94)	7(62)	50(95)
2366(63)	2562(62)	2885(74)	2967(94)	9(61)	51(95)
2010 series	2565(63)	2895(62)	2968(95)	11(61)	52(95)
75(22)	2610(62)	2897(73)	2969(95)	12(62)	53(95)
306(22)	2653(62)	2909(63)	2970(95)	14(61)	54(95)
375(97)	2655(63)	2912(61)	2971(95)	17(63)	55(83)
917(62)	2700(63)	2913(61)	2972(95)	18(63)	56(61)
1594(63)	2721(63)	2914(74)	2973(61)	21(GEN)	57(62,63)
1661(62)	2735(63)	2917(71)	2976(61)	25(63)	58(75)
1668(62)	2739(63)	2918(71,93)	2977(61)	26(74)	59(61)
1670(63)	2741(61)	2931(74)	2980(63)	29(74)	60(62,63)
1671(63)	2745(61)	2932(97)	2981(81,82)	30(62)	
1672(63)	2750(63)	2938(81)	2982(62,63)	33(63)	
1808(22)	2775(74)	2942(71,93)	2983(63)	35(62)	
1922(71)	2797(81,82)	2946(74)	2984(63)	38(62)	

The summary of all HYDROPACS in force as of 16 December 2010 is given in Section III of NM 52/10.

**HYDROPAC WARNINGS issued from 291430Z December 2010 to 061400Z January 2011.**

2963/10(63).

INDIA-EAST COAST.

HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0130Z TO 1630Z

DAILY 05 THRU 08 JAN WITHIN 60 MILES

OF 15-50.5N 080-29.5E BETWEEN

100 DEGREES AND 210 DEGREES.

2. CANCEL THIS MSG 081730Z JAN 11.

(291129Z DEC 2010)

2964/10. CANCELED.

2965/10(63).

INDIA-EAST COAST.

BAY OF BENGAL.

1. SEISMIC SURVEY 01 THRU 15 JAN BY M/V VIKING VISION

TOWING TEN 8100 METER LONG CABLES IN AREA BOUND BY

12-03.35N 081-36.12E, 12-34.34N 081-36.15E,

12-34.46N 081-15.00E, 12-03.37N 081-15.00E.

SEVEN MILE BERTH REQUESTED.

2. CANCEL THIS MSG 16 JAN 11.

(291226Z DEC 2010)

2966/10(94).

TAIWAN STRAIT.

GUNNERY.

1. GUNNERY EXERCISES 0100Z TO 0900Z DAILY 03,

06, 10, 13, 17, 20, 24, 27 AND 31 JAN AND

0001Z TO 0900Z DAILY 04, 05, 11, 12,

18, 19, 25 AND 26 JAN:

A. IN AREA BETWEEN

22-34.9N 22-54.9N AND 119-25.5E 119-45.5E.

B. WITHIN 15 MILES OF 22-44.9N 119-35.5E.

2. CANCEL THIS MSG 311000Z JAN 11.

(291312Z DEC 2010)

2967/10(94).

TAIWAN STRAIT.

GUNNERY.

1. GUNNERY EXERCISES 0001Z TO 0900Z DAILY

03 THRU 07, 10 THRU 14, 17 THRU 21

AND 24 THRU 28 JAN:

A. IN AREA BETWEEN

23-29.9N 23-39.9N AND 119-05.5E 119-15.5E.

B. WITHIN TEN MILES OF 23-34.9N 119-10.5E.

2. CANCEL THIS MSG 281000Z JAN 11.

(291320Z DEC 2010)



- 2968/10(95).  
YELLOW SEA.  
GUNNERY.  
1. GUNNERY EXERCISES 0001Z TO 0800Z DAILY  
03 THRU 07 JAN IN AREA BETWEEN  
36-05N 36-35N AND 124-50E 125-42E.  
2. CANCEL THIS MSG 070900Z JAN 11.  
(291329Z DEC 2010)
- 2969/10(95).  
YELLOW SEA.  
GUNNERY.  
1. GUNNERY EXERCISES 0001Z TO 0800Z DAILY  
03 THRU 07 JAN IN AREA BETWEEN  
34-50N 35-15N AND 124-50E 125-42E.  
2. CANCEL THIS MSG 070900Z JAN 11.  
(291334Z DEC 2010)
- 2970/10(95).  
YELLOW SEA.  
GUNNERY.  
1. GUNNERY EXERCISES 0001Z TO 0800Z DAILY  
03 THRU 07 JAN IN AREA BOUND BY  
36-35.00N 125-36.00E, 36-35.00N 124-50.00E,  
37-04.21N 124-50.00E, 37-05.08N 125-36.00E.  
2. CANCEL THIS MSG 070900Z JAN 11.  
(291340Z DEC 2010)
- 2971/10(95).  
SEA OF JAPAN.  
GUNNERY.  
1. GUNNERY EXERCISES 0001Z TO 0800Z DAILY  
03 THRU 07 JAN IN AREA BOUND BY  
38-15N 129-51E, 38-14N 130-10E,  
37-47N 130-10E, 37-48N 129-51E.  
2. CANCEL THIS MSG 070900Z JAN 11.  
(291408Z DEC 2010)
- 2972/10(95).  
SEA OF JAPAN.  
GUNNERY.  
1. GUNNERY EXERCISES 2300Z TO 0800Z  
COMMENCING DAILY 02 THRU 06 JAN  
IN AREA BOUND BY  
38-25N 128-45E, 38-25N 129-30E,  
38-10N 129-30E, 38-10N 129-00E,  
38-17N 129-00E, 38-17N 128-45E.  
2. CANCEL THIS MSG 070900Z JAN 11.  
(291412Z DEC 2010)
- 2973/10(61).  
WESTERN INDIAN OCEAN.  
MADAGASCAR-NORTHEAST COAST.  
PIRACY.  
PIRATE ACTIVITY IN 13-22S 053-59E AT  
291120Z DEC. VESSELS ARE ADVISED TO  
KEEP 100 MILES CLEAR OF THIS POSITION  
AND TO EXERCISE EXTREME CAUTION.  
(291458Z DEC 2010)
- 2974/10 and 2975/10. CANCELED.
- 2976/10(61).  
MOZAMBIQUE CHANNEL.  
29 METER F/V VEGA-5 OVERDUE. LAST KNOWN  
POSITION 21-55.3S 035-52.6E ON 27 DEC.  
VESSELS IN VICINITY REQUESTED TO KEEP  
A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO MRCC CAPE TOWN OR CAPE TOWN RADIO,  
TELEX: 095511600, PHONE: 002 721 551 0747,  
E-MAIL: MARITIMERADIO@IXMAIL.CO.ZA.  
(291945Z DEC 2010)
- 2977/10(61).  
WESTERN INDIAN OCEAN.  
MADAGASCAR-NORTHEAST COAST.  
PIRACY.  
1. F/V SHIH FU NO 1 CONDUCTING MOTHERSHIP OPERATIONS IN  
13-05S 056-33E AT 300245Z DEC. VESSELS ARE ADVISED  
TO KEEP 100 MILES CLEAR OF THIS POSITION AND TO

## SECTION III

NM 3/11

EXERCISE EXTREME CAUTION. REPORTS TO IMB PIRACY  
REPORTING CENTER, TELEX: 34199, PHONE: 603 2031 0014,  
E-MAIL: PIRACY@ICC-CCS.ORG.  
2. CANCEL HYDROPAC 2956/10.

(300721Z DEC 2010)

2978/10 and 2979/10. CANCELED.

2980/10(63).

INDIA-WEST COAST.  
HAZARDOUS OPERATIONS.  
1. HAZARDOUS OPERATIONS 0230Z TO 1230Z DAILY  
01 THRU 07 JAN IN AREA BETWEEN  
15-11N 15-13N AND 073-52E 073-57E.  
2. CANCEL THIS MSG 071330Z JAN 11.

(300844Z DEC 2010)

2981/10(81,82).

WESTERN NORTH PACIFIC.  
DISTRESS SIGNAL RECEIVED ON 406 MHZ IN  
00-13.3N 153-09.1E AT 300654Z DEC.  
VESSELS IN VICINITY REQUESTED TO KEEP  
A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO U.S. COAST GUARD GUAM,  
PHONE: 671 355 4824,  
E-MAIL: RCCGUAM@USCG.MIL.

(300901Z DEC 2010)

2982/10(62,63).

ARABIAN SEA.  
GULF OF OMAN.  
HAZARDOUS OPERATIONS.  
1. HAZARDOUS OPERATIONS 312000Z DEC TO 311959Z JAN  
IN AREAS BETWEEN:  
A. 23-00N 24-00N AND 062-00E 063-00E.  
B. 23-06N 24-05N AND 060-44E 061-16E.  
2. CANCEL THIS MSG 312059Z JAN 11.

(301012Z DEC 2010)

2983/10(63).

INDIA-EAST COAST.  
BAY OF BENGAL.  
HAZARDOUS OPERATIONS.  
1. HAZARDOUS OPERATIONS 0330Z TO 0830Z DAILY  
06 THRU 08 JAN IN AREA BOUND BY  
16-09.0N 083-59.0E, 15-26.5N 084-44.0E,  
14-38.0N 084-07.5E, 15-20.0N 083-24.0E.  
2. CANCEL THIS MSG 080930Z JAN 11.

(301259Z DEC 2010)

2984/10(63).

INDIA-SOUTHWEST COAST.  
HAZARDOUS OPERATIONS.  
1. HAZARDOUS OPERATIONS 0900Z TO 1200Z DAILY  
04 AND 11 JAN, 0900Z TO 1200Z AND  
1230Z TO 1430Z DAILY 07 AND 14 JAN  
IN AREA BOUND BY  
09-57.5N 075-59.5E, 09-57.7N 076-14.2E,  
09-44.0N 076-17.5E, 09-42.5N 076-09.5E.  
2. CANCEL THIS MSG 141530Z JAN 11.

(301311Z DEC 2010)

2985/10 thru 2988/10. CANCELED.

2989/10(GEN).

1. HYDROPAC MESSAGES IN FORCE 311000Z DEC 10. ONLY THOSE  
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2010 SERIES: 2502(75), 2509(62), 2561(63), 2562(62), 2565(63),  
2581(62), 2610(62), 2627(63), 2630(62), 2641(62,63), 2653(62),  
2655(63), 2700(63), 2721(63), 2735(63), 2739(63), 2741(61),  
2745(61), 2750(63), 2769(63), 2775(74), 2780(63), 2794(63),  
2797(81,82), 2810(63), 2811(63), 2827(22), 2834(74), 2839(74),  
2844(63), 2847(91,93,94), 2850(63), 2855(97), 2860(81,82),  
2862(82), 2867(61), 2869(63), 2871(61,63), 2874(29,76,83),  
2885(74), 2895(62), 2897(73), 2909(63), 2912(61), 2913(61),  
2914(74), 2917(71), 2918(71,93), 2927(74), 2931(74), 2932(97),  
2938(81), 2942(71,93), 2945(75,76), 2946(74), 2948(62),  
2949(62), 2952(63), 2954(61), 2958(82), 2959(29), 2962(94),  
2963(63), 2964(63), 2965(63), 2966(94), 2967(94), 2968(95),  
2969(95), 2970(95), 2971(95), 2972(95), 2973(61), 2976(61),  
2977(61), 2980(63), 2981(81,82), 2982(62,63), 2983(63),

- 2984(63), 2985(61), 2987(62), 2988(61,63).
- 2. THE SUMMARY OF ALL HYDROPAC MESSAGES IN FORCE AS OF 16 DEC 2010 IS GIVEN IN SEC III OF NM 52/10.
- 3. CANCEL HYDROPAC 2028/10, 2468/10, 2516/10, 2679/10, 2754/10, 2821/10, 2824/10, 2825/10, 2837/10, 2848/10, 2858/10, 2859/10, 2884/10, 2887/10, 2891/10, 2893/10, 2904/10, 2906/10, 2920/10, 2921/10, 2923/10, 2924/10, 2928/10, 2930/10, 2934/10, 2944/10, 2961/10.

(310955Z DEC 2010)

2990/10. CANCELED.

- 2991/10(63).
- ARABIAN SEA.
- PAKISTAN.
- HAZARDOUS OPERATIONS.
- 1. HAZARDOUS OPERATIONS 0400Z TO 1700Z DAILY
  - 01, 03 THRU 08, 10 THRU 15, 17 THRU 22,
  - 24 THRU 29 AND 31 JAN:
  - A. IN AREA BOUND BY
    - 24-19.00N 066-58.00E, 24-00.00N 066-39.00E,
    - 24-11.00N 066-27.00E, 24-24.30N 066-42.00E.
  - B. IN AREA BOUND BY
    - 24-16.18N 066-20.50E, 24-22.00N 066-27.00E,
    - 24-16.30N 066-33.00E, 24-10.30N 066-27.00E.
  - C. WITHIN 3.5 MILES OF 24-53.76N 066-36.40E.
- 2. CANCEL THIS MSG 311800Z JAN 11.

(311017Z DEC 2010)

2992/10. CANCELED.

- 2993/10(61).
- WESTERN INDIAN OCEAN.
- PIRACY.
- 1. M/V POLAR CONDUCTING MOTHERSHIP OPERATIONS IN 05-15N 048-38E AT 310800Z DEC. VESSELS ARE ADVISED TO KEEP 100 MILES CLEAR OF THIS POSITION AND TO EXERCISE EXTREME CAUTION. REPORTS TO UKMTO DUBAI, PHONE: 97 150 552 3215, E-MAIL: UKMTO@EIM.AE.
- 2. CANCEL HYDROPAC 2985/10.

(311103Z DEC 2010)

2994/10 thru 2996/10. CANCELED.

1/11. CANCELED.

- 2/11(81).
- WESTERN NORTH PACIFIC.
- DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 08-04.2N 146-44.9E AT 010530Z JAN.
- VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
- REPORTS TO U.S. COAST GUARD GUAM, PHONE: 671 355 4824, E-MAIL: RCCGUAM@USCG.MIL.

(010801Z JAN 2011)

3/11. CANCELED.

- 4/11(63).
- WESTERN INDIAN OCEAN.
- PIRACY.
- M/V ATTACKED IN 03-56N 059-33E AT 010754Z JAN.
- VESSELS ARE ADVISED TO KEEP 100 MILES CLEAR OF THIS POSITION AND TO EXERCISE EXTREME CAUTION.
- REPORTS TO UKMTO DUBAI, PHONE: 97 150 552 3215, E-MAIL: UKMTO@EIM.AE.

(010831Z JAN 2011)

- 5/11(97).
- WESTERN NORTH PACIFIC.
- JAPAN.
- 1. SEISMIC SURVEY 05 THRU 20 JAN BY M/V KAIREI TOWING 6000 METER LONG CABLE VICINITY OF TRACKLINES BETWEEN:
  - A. 34-52.7N 144-48.1E AND 29-19.7N 147-17.3E.
  - B. 34-06.9N 149-11.3E AND 31-50.5N 141-37.0E.
  - C. 29-52.6N 141-57.5E AND 27-08.9N 143-09.1E.

## SECTION III

NM 3/11

- D. 29-42.2N 142-12.3E AND 27-23.7N 143-12.9E.  
E. 27-38.8N 138-30.6E AND 28-29.9N 143-09.3E.  
2. CANCEL THIS MSG 21 JAN.

(010846Z JAN 2011)

6/11. CANCELED.

7/11(62).

- RED SEA.  
1. SEISMIC SURVEY IN PROGRESS UNTIL 28 FEB BY  
M/V WESTERN TRIDENT AND M/V WG VESPUCCI  
TOWING TEN 5.3 MILE LONG CABLES  
IN AREA BOUND BY  
23-47N 037-59E, 23-21N 038-35E,  
22-50N 038-11E, 23-19N 037-36E.  
SEVEN MILE BERTH REQUESTED.  
2. CANCEL HYDROPAC 2581/10.  
3. CANCEL THIS MSG 01 MAR.

(010945Z JAN 2011)

8/11. CANCELED.

9/11(61).

- MOZAMBIQUE CHANNEL.  
PIRACY.  
F/V PIRATED IN 14-28S 041-42E AT 311934Z DEC.  
VESSELS ARE ADVISED TO KEEP 100 MILES  
CLEAR OF THIS POSITION AND TO EXERCISE  
EXTREME CAUTION. REPORTS TO UKMTO DUBAI,  
PHONE: 97 150 552 3215, E-MAIL: UKMTO@EIM.AE.

(011240Z JAN 2011)

10/11. CANCELED.

11/11(61).

- MADAGASCAR-NORTH COAST.  
PIRACY.  
F/V ATTACKED IN 13-09S 048-49E AT 011321Z JAN.  
VESSELS ARE ADVISED TO KEEP 100 MILES CLEAR  
OF THIS POSITION AND TO EXERCISE EXTREME  
CAUTION. REPORTS TO UKMTO DUBAI,  
PHONE: 97 150 552 3215, E-MAIL: UKMTO@EIM.AE.

(011412Z JAN 2011)

12/11(62).

- WESTERN ARABIAN SEA.  
PIRACY.  
1. M/V HANNIBAL II CONDUCTING MOTHERSHIP OPERATIONS  
IN 15-28N 055-51E AT 011536Z JAN. VESSELS ARE  
ADVISED TO KEEP 100 MILES CLEAR OF THIS POSITION  
AND TO EXERCISE EXTREME CAUTION. REPORTS TO  
UKMTO DUBAI, PHONE: 97 150 552 3215,  
E-MAIL: UKMTO@EIM.AE.  
2. CANCEL HYDROPAC 6/11.

(011814Z JAN 2011)

13/11. CANCELED.

14/11(61).

- WESTERN INDIAN OCEAN.  
MASCARENE ISLAND.  
1. OCEANOGRAPHIC OPERATIONS 04 THRU 12 JAN  
BY M/V MARION DUFRESNE IN AREA BETWEEN  
20-00S 22-30S AND 053-00E 056-30E.  
300 METER BERTH REQUESTED.  
2. CANCEL THIS MSG 13 JAN.

(020107Z JAN 2011)

15/11 and 16/11. CANCELED.

17/11(63).

- ARABIAN SEA.  
PIRACY.  
PIRATE ACTION GROUP IN 17-52N 066-05E AT 020359Z JAN.  
VESSELS ARE ADVISED TO KEEP 100 MILES CLEAR  
OF THIS POSITION AND TO EXERCISE EXTREME  
CAUTION. REPORTS TO UKMTO DUBAI,  
PHONE: 97 150 552 3215, E-MAIL: UKMTO@EIM.AE.

(020829Z JAN 2011)

18/11(63).

ARABIAN SEA.  
 PIRACY.  
 PIRATE ACTION GROUP IN 14-51N 063-48E AT 012213Z JAN.  
 VESSELS ARE ADVISED TO KEEP 100 MILES CLEAR  
 OF THIS POSITION AND TO EXERCISE EXTREME  
 CAUTION. REPORTS TO UKMTO DUBAI,  
 PHONE: 97 150 552 3215, E-MAIL: UKMTO@EIM.AE.

(020839Z JAN 2011)

19/11 and 20/11. CANCELED.

21/11(GEN).

WESTERN NORTH PACIFIC.  
 SOUTH CHINA SEA.  
 ORDNANCE.

## 1. BOMBING EXERCISES:

A. 050001Z TO 061500Z JAN

IN AREA BOUND BY  
 25-23N 132-18E, 23-37N 134-29E,  
 22-40N 133-35E, 24-26N 131-23E.

B. 070001Z TO 081500Z JAN

IN AREA BOUND BY  
 25-56N 129-34E, 25-21N 130-32E,  
 24-35N 130-00E, 25-11N 129-02E.

C. 100001Z TO 101500Z JAN

IN AREA BOUND BY  
 31-58N 128-25E, 31-08N 129-14E,  
 30-23N 128-00E, 31-11N 127-42E.

D. 150001Z TO 151500Z JAN

IN AREA BOUND BY  
 27-22N 124-28E, 27-00N 125-17E,  
 25-06N 124-15E, 25-27N 123-27E.

E. 170001Z TO 171500Z JAN

IN AREA BOUND BY  
 18-30N 117-18E, 17-26N 118-39E,  
 14-05N 115-43E, 15-09N 114-22E.

## 2. CANCEL THIS MSG 171600Z JAN.

(021118Z JAN 2011)

22/11 thru 24/11. CANCELED.

25/11(63).

WESTERN INDIAN OCEAN.  
 PIRACY.  
 ABANDONED BARGE MAY BE CONDUCTING MOTHERSHIP  
 OPERATIONS IN 02-31N 059-14E AT 012120Z JAN.  
 VESSELS ARE ADVISED TO KEEP 100 MILES CLEAR  
 OF THIS POSITION AND TO EXERCISE EXTREME CAUTION.  
 REPORTS TO UKMTO DUBAI,  
 PHONE: 97 150 552 3215, E-MAIL: UKMTO@EIM.AE.

(030155Z JAN 2011)

26/11(74).

AUSTRALIA-NORTHWEST COAST.  
 SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE  
 BY M/V PACIFIC EXPLORER IN AREA BETWEEN  
 21-55S 22-13S AND 113-04E 113-20E.  
 FIVE MILE BERTH REQUESTED.

(030624Z JAN 2011)

27/11 and 28/11. CANCELED.

29/11(74).

AUSTRALIA-NORTHWEST COAST.  
 1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE  
 BY M/V AQUILA EXPLORER TOWING SIX 500 METER  
 LONG CABLES IN AREA BETWEEN  
 21-19S 21-37S AND 113-52E 114-13E.  
 FOUR MILE BERTH REQUESTED.  
 2. CANCEL HYDROPAC 19/11(63).

(031001Z JAN 2011)

30/11(62).

ARABIAN SEA.  
 PIRACY.  
 M/V ATTACKED IN 15-48N 059-49E AT 031039Z JAN.  
 VESSELS ARE ADVISED TO KEEP 100 MILES CLEAR  
 OF THIS POSITION AND TO EXERCISE EXTREME CAUTION.  
 REPORTS TO UKMTO DUBAI, PHONE: 97 150 552 3215,  
 E-MAIL: UKMTO@EIM.AE.

(031134Z JAN 2011)

## SECTION III

NM 3/11

31/11 and 32/11. CANCELED.

33/11(63).  
ARABIAN SEA.  
PIRACY.  
M/V ATTACKED IN 19-35N 065-13E AT 031503Z JAN.  
VESSELS ARE ADVISED TO KEEP 100 MILES CLEAR  
OF THIS POSITION AND TO EXERCISE EXTREME CAUTION.  
REPORTS TO UKMTO DUBAI, PHONE: 97 150 552 3215,  
E-MAIL: UKMTO@EIM.AE.

(031608Z JAN 2011)

34/11. CANCELED.

35/11(62).  
PERSIAN GULF.  
ORDNANCE.  
1. UNDERWATER ORDNANCE DETONATIONS  
0400Z TO 1400Z DAILY 08 AND 09 JAN  
IN AREA BETWEEN  
26-34.5N 26-40.2N AND 050-36.4E 050-50.0E.  
2. CANCEL THIS MSG 091500Z JAN.

(040313Z JAN 2011)

36/11 and 37/11. CANCELED.

38/11(62).  
GULF OF ADEN.  
PIRACY.  
PIRATE ACTION GROUP IN 12-10N 043-43E AT 040532Z JAN.  
VESSELS ARE ADVISED TO KEEP 100 MILES CLEAR  
OF THIS POSITION AND TO EXERCISE EXTREME  
CAUTION. REPORTS TO UKMTO DUBAI,  
PHONE: 97 150 552 3215, E-MAIL: UKMTO@EIM.AE.

(041424Z JAN 2011)

39/11(21).  
EASTERN NORTH PACIFIC.  
DISTRESS SIGNAL RECEIVED FROM AIRCRAFT IN  
05-47.6N 094-34.6W. VESSELS IN VICINITY REQUESTED  
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO USCG ALAMEDA, TELEX: 230172343,  
PHONE: 510 437 3701, E-MAIL: RCCALAMEDA@USCG.MIL.

(041714Z JAN 2011)

40/11(62).  
GULF OF OMAN.  
RED SEA.  
M/V SEA SHINE 14, 15 PERSONS ON BOARD, ON  
FIRE IN 28-11N 051-01E AT 041242Z JAN.  
VESSELS IN VICINITY REQUESTED TO KEEP A  
SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO MRCC BUSHEER, PHONE: 98 771 253 0025  
98 775 230 075.

(041822Z JAN 2011)

41/11(63).  
INDIA-WEST COAST.  
1. CABLE REPAIR OPERATIONS 05 THRU 25 JAN  
BY CABLESHIP NIWA WITHIN 0.5 MILES OF  
18-54.059N 072-27.735E.  
WIDE BERTH REQUESTED.  
2. CANCEL THIS MSG 26 JAN.

(042259Z JAN 2011)

42/11(GEN).  
GPS SATELLITE SYSTEM.  
1. PRN 15 UNUSABLE 101830Z TO 110630Z JAN.  
2. CANCEL THIS MSG 110730Z JAN.

(050055Z JAN 2011)

43/11 thru 45/11. CANCELED.

46/11(71).  
MALACCA STRAIT.  
PIRACY.  
1. M/V ATTACKED IN 01-14.9N 103-26.9E  
AT 302130Z DEC. CAUTION ADVISED.  
2. CANCEL THIS MSG 19 JAN.

(050409Z JAN 2011)

- 47/11(63).  
 ARABIAN SEA.  
 INDIA-WEST COAST.  
 NGA CHART 63150 (1ST ED).  
 SUHELI PAR LIGHT 10-02.9N 072-17.1E UNLIT.  
 (051305Z JAN 2011)
- 48/11(63).  
 INDIA-EAST COAST.  
 BAY OF BENGAL.  
 HAZARDOUS OPERATIONS.  
 1. HAZARDOUS OPERATIONS 0230Z TO 1130Z DAILY  
 11 THRU 22 JAN WITHIN FIVE MILES OF  
 13-50N 081-40E.  
 2. CANCEL HYDROPAC 1957/10, 2850/10.  
 3. CANCEL THIS MSG 221230Z JAN.  
 (051420Z JAN 2011)
- 49/11. CANCELED.
- 50/11(95).  
 YELLOW SEA.  
 GUNNERY.  
 1. GUNNERY EXERCISES 0001Z TO 0800Z DAILY  
 10 THRU 14 JAN IN AREA BETWEEN  
 36-05N 36-35N AND 124-50E 125-42E.  
 2. CANCEL THIS MSG 140900Z JAN.  
 (051522Z JAN 2011)
- 51/11(95).  
 YELLOW SEA.  
 GUNNERY.  
 1. GUNNERY EXERCISES 0001Z TO 0800Z DAILY  
 10 THRU 14 JAN IN AREA BETWEEN  
 34-50N 35-15N AND 124-50E 125-42E.  
 2. CANCEL THIS MSG 140900Z JAN.  
 (051534Z JAN 2011)
- 52/11(95).  
 YELLOW SEA.  
 GUNNERY.  
 1. GUNNERY EXERCISES 0001Z TO 0800Z DAILY  
 10 THRU 14 JAN IN AREA BOUND BY  
 36-35.00N 125-36.00E, 36-35.00N 124-50.00E,  
 37-04.21N 124-50.00E, 37-05.08N 125-36.00E.  
 2. CANCEL THIS MSG 140900Z JAN.  
 (051543Z JAN 2011)
- 53/11(95).  
 SEA OF JAPAN.  
 GUNNERY.  
 1. GUNNERY EXERCISES 2300Z TO 0800Z  
 COMMENCING DAILY 09 THRU 13 JAN  
 IN AREA BOUND BY  
 38-25N 128-45E, 38-25N 129-30E,  
 38-10N 129-30E, 38-10N 129-00E,  
 38-17N 129-00E, 38-17N 128-45E.  
 2. CANCEL THIS MSG 140900Z JAN.  
 (051601Z JAN 2011)
- 54/11(95).  
 SEA OF JAPAN.  
 GUNNERY.  
 1. GUNNERY EXERCISES 0001Z TO 1800Z DAILY  
 10 THRU 14 JAN IN AREA BOUND BY  
 38-15N 129-51E, 38-14N 130-10E,  
 37-47N 130-10E, 37-48N 129-51E.  
 2. CANCEL THIS MSG 141900Z JAN.  
 (051613Z JAN 2011)
- 55/11(83).  
 SOUTH PACIFIC.  
 FIJI ISLANDS.  
 NGA CHART 83034 (1ST ED).  
 LIGHTS UNLIT:  
 1. MAKONGAI LIGHT 17-27.0S 178-59.0E.  
 2. VATOA LIGHT 19-49.7S 178-13.0W.  
 (051833Z JAN 2011)

- 56/11(61).  
WESTERN INDIAN OCEAN.  
PIRACY.  
1. M/V YORK CONDUCTING MOTHERSHIP OPERATIONS IN  
04-08N 051-12E AT 052040Z JAN. VESSELS ARE  
ADVISED TO KEEP 100 MILES CLEAR OF THIS  
POSITION AND TO EXERCISE EXTREME CAUTION.  
REPORTS TO UKMTO DUBAI,  
PHONE: 97 150 552 3215, E-MAIL: UKMTO@EIM.AE.  
2. CANCEL HYDROPAC 49/11(61).  
(052211Z JAN 2011)
- 57/11(62.63).  
ARABIAN SEA.  
PIRACY.  
M/V ATTACKED IN 20-00N 064-00E AT 060232Z JAN.  
VESSELS ARE ADVISED TO KEEP 100 MILES CLEAR OF THIS  
POSITION AND TO EXERCISE EXTREME CAUTION.  
REPORTS TO UKMTO DUBAI, TELEX: 34199,  
PHONE: 603 2031 0014, E-MAIL: PIRACY@ICC-CCS.ORG.  
(060346Z JAN 2011)
- 58/11(75).  
AUSTRALIA-SOUTH COAST.  
1. 11.3 METER S/V CAPSIZED AND ADRIFT IN  
35-10.73S 132-05.46E AT 060253Z JAN.  
2. CANCEL THIS MSG 090415Z JAN.  
(060413Z JAN 2011)
- 59/11(61).  
INDIAN OCEAN.  
REUNION ISLAND.  
HAZARDOUS OPERATIONS.  
1. HAZARDOUS OPERATIONS 090400Z TO 091030Z JAN  
IN AREA BOUND BY  
21-12.0S 054-57.0E, 21-26.0S 055-02.5E,  
21-31.2S 054-47.4E, 21-17.2S 054-42.0E.  
2. CANCEL THIS MSG 091130Z JAN.  
(060548Z JAN 2011)
- 60/11(62.63).  
ARABIAN SEA.  
PIRACY.  
M/V ATTACKED IN 21-04N 063-19E AT 060901Z JAN.  
VESSELS ARE ADVISED TO KEEP 100 MILES CLEAR OF  
THIS POSITION AND TO EXERCISE EXTREME CAUTION.  
REPORTS TO UKMTO DUBAI, PHONE: 97 150 552 3215,  
E-MAIL: UKMTO@EIM.AE.  
(061015Z JAN 2011)

### MARAD ADVISORIES

MARAD ADVISORIES rapidly disseminate information on government policy, danger and safety issues pertaining to vessel operations and other timely maritime matters. They are periodically issued by the U.S. Maritime Administration (MARAD) to vessel masters, operators, and other U.S. maritime interests.

The text of all in-force MARAD ADVISORIES may be obtained by accessing the NGA Maritime Safety Web site (<http://www.nga.mil/NGAPortal/MSI.portal>), by referring to Section I (paragraph 50) of US Notice to Mariners 1/11 for those in-force as of 22 December 2010, or by contacting the Maritime Administration, Office of Security, Code MAR-420, Room W23-312, 1200 New Jersey Avenue S.E., Washington DC 20590, Telephone (202) 366-1883, FAX (202) 366-3954, Cell (202) 641-5071.

MARAD ADVISORIES in force 6 January 2011: 00-7, 05-1, 06-1, 07-1, 10-3, 10-6, 10-7, 10-9 and 10-10.

### SPECIAL WARNINGS

SPECIAL WARNINGS, primarily intended to announce official government proclamations affecting shipping, are broadcast as needed. They are numbered consecutively and further promulgated in the Notice to Mariners.

The text of all in-force SPECIAL WARNINGS may be obtained by accessing the NGA Maritime Safety Web site (<http://www.nga.mil/NGAPortal/MSI.portal>) or by referring to Section I (paragraph 5) of US Notice to Mariners 1/11 for those in-force as of 22 December 2010.

SPECIAL WARNINGS in force 6 January 2011: 1, 29, 77, 81, 82, 89, 92, 107, 108, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124 and 125.



## MARINE INFORMATION

## NOAA CHART NEW EDITIONS AND THEIR AVAILABILITY

NOAA recognizes two paper nautical chart products:

- the Print-on-Demand (POD) chart distributed by OceanGrafix ([www.OceanGrafix.com](http://www.OceanGrafix.com)), and
- the traditional NOAA/NOS paper chart distributed by the Federal Aviation Administration and the National Geospatial-Intelligence Agency (NGA).

The Print-on-Demand chart is available the day after NOAA clears a New Edition for release. The traditional chart is available two to eight weeks later. Each is official, should be put into service immediately, and meets Federal chart carriage requirements immediately upon its release. Each should be updated from the dates shown in the lower left corner of the chart. For questions, contact NOAA at [help@nauticalcharts.gov](mailto:help@nauticalcharts.gov) or call 301-713-1968 x105. Dates of Latest Edition for charts are listed at <http://nauticalcharts.noaa.gov>.

This week's new editions released by NOAA are listed below (These NOAA charts are now available in both the Print-on-Demand and digital raster formats. See <http://www.charts.noaa.gov/MCD/Dole.shtml> for details.):

11507	34 <sup>th</sup> Ed. Dec 2010 NEW EDITION	NAD 83	(NOS Silver Spring, MD)
	INTRACOASTAL WATERWAY - SOUTH CAROLINA - GEORGIA - BEAUFORT RIVER TO ST. SIMONS SOUND		1:40,000
	(New edition due to numerous Notice to Mariner and hydrographic changes.)		
11513	26 <sup>th</sup> Ed. Dec 2010 NEW EDITION	NAD 83	(NOS Silver Spring, MD)
	EAST COAST - SOUTH CAROLINA - GEORGIA - ST. HELENA SOUND TO SAVANNAH RIVER		1:80,000
	(New edition due to numerous Notice to Mariner and hydrographic changes.)		
11521	30 <sup>th</sup> Ed. Dec 2010 NEW EDITION	NAD 83	(NOS Silver Spring, MD)
	EAST COAST - SOUTH CAROLINA - CHARLESTON HARBOR AND APPROACHES		1:80,000
	(New edition due to numerous Notice to Mariner and hydrographic changes.)		
12345	11 <sup>th</sup> Ed. Dec 2010 NEW EDITION	NAD 83	(NOS Silver Spring, MD)
	EAST COAST - NEW YORK - NEW JERSEY - HUDSON RIVER - GEORGE WASHINGTON BRIDGE TO YONKERS		1:10,000
	(New edition due to numerous Notice to Mariner changes.)		
13214	29 <sup>th</sup> Ed. Dec 2010 NEW EDITION	NAD 83	(NOS Silver Spring, MD)
	EAST COAST - RHODE ISLAND - CONNECTICUT - NEW YORK - FISHERS ISLAND SOUND		1:20,000
	(New edition due to numerous Notice to Mariner changes.)		
13250	9 <sup>th</sup> Ed. Dec 2010 NEW EDITION	NAD 83	(NOS Silver Spring, MD)
	EAST COAST - MASSACHUSETTS - WELLFLEET HARBOR		1:40,000
	(New edition due to numerous Notice to Mariner changes.)		
14929	25 <sup>th</sup> Ed. Dec 2010 NEW EDITION	NAD 83	(NOS Silver Spring, MD)
	GREAT LAKES - LAKE MICHIGAN - ILLINOIS - INDIANA - CALUMET AND INDIANA HARBORS		1:15,000
	(New edition due to numerous Notice to Mariner and hydrographic changes.)		

**NGA CHART NEW EDITIONS AND THEIR AVAILABILITY**

NGA recognizes two paper nautical chart products:

- the Enterprise Product on Demand-Maritime (ePOD-M) chart, and
- the traditional NGA paper chart distributed by the Defense Logistics Agency and, on behalf of NGA, by the National Ocean Service and official NOS chart agents.

The Enterprise Product on Demand-Maritime (ePOD-M) chart is available the day after NGA clears a New Edition for release and is available to Department of Defense (DoD) customers and other authorized U.S. Government users. The traditional paper chart is available six to eight weeks later from DLA, or for those charts set for public sale, one week later from National Ocean Service chart agents. Each is official, should be put into service immediately, and meets Federal chart carriage requirements immediately upon its release. Each should be updated from the dates shown in the lower left corner of the chart. For questions, contact NGA at mcdepod@nga.mil.

Through a special arrangement between the National Ocean Service and NGA, all NOAA charts are also available in the ePOD-M format (large PDF print files) for government use. These files are updated every week for all Notice to Mariners (NGA, USCG, and Canadian Coast Guard). The websites for downloading NOAA charts are:

- NIPRNet: <https://www.geointel.nga.mil/products/dnc/epods/index.htm>
- SIPRNet: <http://www.geoint.nga.smil.mil/products/dnc1/epods/index.htm>

This week’s new editions released by NGA are listed below. These NGA charts are now available for download in the ePOD-M format (large PDF print file) at the following websites:

- NIPRNet: <https://www.geointel.nga.mil/products/dnc/epods/index.htm>
- SIPRNet: <http://www.geoint.nga.smil.mil/products/dnc1/epods/index.htm>

44081	10 <sup>th</sup> Ed. December 18, 2010 NEW EDITION STUBNITZ TO DARSS (Correct through NM 51/10).	WGS-84	(NGA Bethesda, MD) 1:100,000 Limited Distribution
44122	1 <sup>st</sup> Ed. January 1, 2011 NEW CHART PORT OF KARLSKRONA (Correct through NM 1/11).	WGS-84	(NGA Bethesda, MD) 1:12,500 Limited Distribution
44123	1 <sup>st</sup> Ed. January 1, 2011 NEW CHART APPROACHES TO KARLSKRONA (Correct through NM 1/11).	WGS-84	(NGA Bethesda, MD) 1:40,000 Limited Distribution

**NEW EDITION OF COAST PILOT**

U.S. Coast Pilot 7, Pacific Coast: California, Oregon, Washington, Hawaii and Pacific Islands, Forty-third Edition, 2011, is ready for issue and may be obtained from:

Federal Aviation Administration  
Aero Nav Products  
Printing & Distribution Group, Distribution Team  
10201 Good Luck Road  
Glen Dale, MD 20769-9700

and authorized sales agents of the National Ocean Service. Price \$30.00.

The 2011 Edition cancels the preceding 2010 Edition.

All corrections to the previous edition issued in Notice to Mariners are incorporated in this edition.

Mariners are encouraged to use the convenient “RECORD OF CHANGES” form on Page V of this book. All Coast Pilot changes published in the U.S. Coast Guard Local Notice to Mariners, National Geospatial-Intelligence Agency Notice to

Mariners, and on the Internet at <http://nauticalcharts.noaa.gov/nsd/cpdownload.htm> are serially numbered (i.e., Change No. 1, Change No. 2, etc.) to assist you in tracking the changes.

### **NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY'S IMPLEMENTATION OF A HARDCOPY TO DIGITAL TRANSITION STRATEGY**

Since the mid-1990's, the National Geospatial-Intelligence Agency (NGA) has been working to improve digital navigation product support for the US Navy and other US Government users. The US Navy is transitioning to digital navigation, thus reducing the need for NGA to continue production of hardcopy charts. Therefore, NGA has begun a gradual transition from hardcopy chart production to a digital data maintenance environment. This notice is to advise mariners, chart agents, and other users of this strategy.

During the gradual transition from hardcopy charts to digital charts, NGA will continue to make certain hardcopy charts available only to US Government-approved entities, in accordance with US law or international agreement. These particular charts will be identified as "bilateral charts," since they are the product of international bilateral agreements and are duplicates of foreign copyright charts. Each bilateral chart will carry an NGA chart number, a National Stock Number (NSN), a bar code, and will show the number of any existing NGA chart that it replaces only when the chart is a one-for-one replacement. For those charts that are not a one-for-one replacement, no canceled chart number will appear. In the case where more than one new chart is being introduced to replace a single NGA chart, the existing chart will not be canceled until all new replacement charts have been announced in the Notice to Mariners.

Bilateral charts are the result of NGA international agreements and are duplicates of foreign copyrighted charts. The charts are printed in English, use metric units, refer to WGS-84 datum and are marked as "Distribution Limited." However, certain bilateral charts have not yet been converted to WGS-84 datum, and are of sufficiently large scale (generally larger than 1:50,000) where the difference from WGS-84 datum is noticeable. These exception charts are printed with datum shift values, which must be applied in order to plot GPS-derived positions correctly. The exception charts are scheduled for eventual conversion to WGS-84 datum; until this occurs, their chart numbers will appear bold-faced in the announcement list below.

Bilateral charts will contain references to host nation charts and publications, and may use symbology not yet found in US Chart No. 1. In most cases, NGA will not attempt to change these references to the equivalent US charts, publications or symbology. However, it should be noted that relevant maritime information referenced in a foreign publication can also usually be found within Sailing Directions, Notice to Mariners No. 1 (Special Paragraphs), List of Lights, Radio Navigational Aids, or Chart No. 1. Updates to Sailing Directions and other electronic publications can be made through the application of digital patch files (PDU files), available for download from the NGA Maritime Safety Web site.

As the US Navy completes its transition to digital navigation, the use of bilateral charts will be gradually phased out. Until then, Section II of the Notice to Mariners, NGA/DLIS Catalog Corrections, will contain information about specific bilateral charts being announced as well as cancellation of any existing charts that they replace. Update information for bilateral charts will appear in Section I of the Notice to Mariners, Chart Corrections. Standard chart policy remains intact, in that NGA charts are not to be placed in service until their announcement appears in the US Notice to Mariners.

NGA has begun adopting bilateral charts in waters of Australia, Canada, Japan, and the UK, with additional countries to follow. What this further means is that NGA no longer provides certain hardcopy charts (i.e., those replaced by bilateral charts) for public sale. To obtain these hardcopy charts, civilian users will be required to purchase bilateral chart equivalents from their producer nations and their agents. Contact information for purchasing Australian, Canadian, Japanese, and UK charts is listed below:

Australian Hydrographic Service Web site: <http://www.hydro.gov.au>

Australian Distribution Network: <http://www.hydro.gov.au/prodserv/distributors/distributors.htm>

Canadian Hydrographic Service Web site: <http://notmar.com/charts/index.php>

Canadian Sales Agents: <http://www.chs-shc.dfo-mpo.gc.ca/chs/en/Dealers/locate.htm>

Japan Coast Guard and List of Agents Web sites: <http://www1.kaiho.mlit.go.jp/jhd-E.html>

UK Hydrographic Office Web site: <http://www.ukho.gov.uk>

UK Sales Agents: [http://www.ukho.gov.uk/list\\_of\\_agents.html](http://www.ukho.gov.uk/list_of_agents.html)

NGA issues this notice weekly. It will also appear in the “What’s New @ Maritime” section of the Maritime Safety Web site (<http://msi.nga.mil/NGAPortal/MSI.portal>); however, the following list of announced bilateral charts will only appear in the Notice to Mariners.

NGA bilateral Australian, Canadian, Japanese, and UK charts announced to date:

<i>Former US Chart No.</i>	<i>Current US Chart No.</i>	<i>Foreign Chart No.</i>	<i>Originally Announced in NTM</i>	<i>Later Edition</i>
14002	14ACO14000	Can. 4023	23/04	
14005	14ACO14001	Can. 4012	23/04	
14006	14ACO14334	Can. 4016	9/09	
14009	14ACO14004	Can. 4015	23/04	
14009	14ACO14011	Can. 4047	23/04	
14009	14ACO14012	Can. 4002	29/04	
14009	14ACO14013	Can. 4013	29/04	
14009	14ACO14015	Can. 4045	29/04	
14014	14ACO14013	Can. 4013	29/04	
14040	14ACO14016	Can. 4010	29/04	
14040	14ACO14016	Can. 4010	29/04	
14041	14XHA14019	Can. 4011	29/04	
14042	14XHA14020	Can. 4396	1/05	
14043	14AHA14021	Can. 4116	8/05	42/08
14044	14AHA14022	Can. 4117	14/05	
14046	14BHA14023	Can. 4140	14/05	
14062	14XCO14025	Can. 4118	43/04	
14062	14XCO14026	Can. 4243	12/05	
14065	14BHA14027	Can. 4245	12/05	
14066	14XCO14026	Can. 4243	12/05	
14066	14XHA14028	Can. 4230	14/05	
14066	14XHA14029	Can. 4241	14/05	
14066	14XHA14030	Can. 4242	33/05	
14066	14XHA14031	Can. 4210	33/05	
14067	14XHA14029	Can. 4241	14/05	
14067	14XHA14032	Can. 4209	47/05	
14068	14XHA14032	Can. 4209	47/05	
14083	14AHA14036	Can. 4320	45/05	34/07
14085	14AHA14037	Can. 4328	45/05	
14087	14AHA14039	Can. 4385	46/05	
14088	14AHA14047	Can. 4201	46/05	
14089	14AHA14048	Can. 4202	39/06	
14090	14AHA14049	Can. 4237	6/05	
14091	14AHA14050	Can. 4203	48/06	
14093	14AHA14051	Can. 4236	25/07	
14100	14XHA14052	Can. 4235	25/07	
14100	14XHA14053	Can. 4234	25/07	
14105	14AHA14054	Can. 4321	22/07	
14115	14XCO14058	Can. 4227	29/04	
14121	14XHA14059	Can. 4374	23/07	
14123	14XHA14060	Can. 4375	23/07	
14125	14AHA14064	Can. 4376	22/07	
14133	14XHA14072	Can. 4278	23/07	
14134	14XHA14073	Can. 4279	23/07	
14136	14AHA14075	Can. 4266	25/07	

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14141	14AHA14076	Can. 4462	22/07	
14144	14XHA14143	Can. 4950	38/03	11/08
14145	14AHA14077	Can. 4448	22/07	
14146	14XHA14078	Can. 4404	25/07	
14151	14XHA14079	Can. 4403	23/07	
14156	14BHA14080	Can. 4419	22/07	
14190	14ACO14096	Can. 4905	6/09	
14203	14XHA14195	Can. 1431	42/03	11/08
14222	14XHA14211	Can. 1312	40/03	5/08
14253	14ACO14004	Can. 4015	23/04	
14340	14ACO14334	Can. 4016	9/09	
14342	14BCO14336	Can. 4626	11/10	
14349	14AHA14339	Can. 4622	10/09	
14350	14AHA14334	Can. 4841	12/10	
14351	14AHA14334	Can. 4841	12/10	
14360	14ACO14348	Can. 4017	12/10	
14364	14AHA14359	Can. 4846	25/09	
14366	14AHA14359	Can. 4846	25/09	
14373	14BHA14362	Can. 4847	12/10	
14415	14ACO14377	Can. 4020	12/10	
14812	14XHA14809	Can. 2085	6/09	
15008	15ACO15001	Can. 4730	12/10	
15011	15ACO15002	Can. 7050	16/08	
15017	15ACO15003	Can. 5450	33/07	
15018	15ACO15004	Can. 4700	12/10	
15020	15ACO15005	Can. 7011	12/10	
15041	<b>15ACO15007</b>	Can. 4731	41/08	
15061	15ACO15014	Can. 4732	42/08	
15070	15BHA15024	Can. 5143	6/09	
15080	15BHA15027	Can. 5023	46/07	
15120	15ACO15030	Can. 4775	31/07	
15140	15ACO15031	Can. 4776	12/10	
15160	15ACO15032	Can. 5300	34/08	
15312	15ACO15035	Can. 5400	6/09	
15670	15XCO15672	Can. 7570	44/09	
17008	<b>17ACO17007</b>	Can. 3002	40/08	
17412	<b>17XHA17410</b>	Can. 3890	40/08	
17413	<b>17ACO17411</b>	Can. 3802	42/08	
17414	<b>17BCO17415</b>	Can. 3854	42/08	
17416	<b>17BCO17417</b>	Can. 3858	41/08	
17438	17BHA17418	Can. 3960	43/08	
17438	17BHA17419	Can. 3959	41/08	
17438	17BHA17440	Can. 3956	12/10	
17441	17BHA17442	Can. 3927	12/07	
17441	17BHA17447	Can. 3746	25/07	
17444	17XHA17448	Can. 3955	32/08	
17445	17BHA17439	Can. 3957	12/10	
17464	17XHA17450	Can. 3924	12/10	
17465	<b>17XHA17451</b>	Can. 3742	41/08	
17480	17ACO17454	Can. 3744	12/10	
17485	17XHA17456	Can. 3936	44/09	
17486	<b>17XCO17458</b>	Can. 3727	13/09	
17489	17XHA17488	Can. 3598	12/10	
17495	17ACO17493	Can. 3605	6/07	
17513	17XHA17497	Can. 3539	8/05	1/08
17515	17XHA17496	Can. 3513	6/09	
17517	17XHA17498	Can. 3512	44/09	

17518	17BHA17499	Can. 3463	31/07	
17519	17BHA17500	Can. 3526	23/07	
17543	17ACO17501	Can. 3604	1/08	
17546	<b>17XCO17510</b>	Can. 3306	31/10	
17548	17BCO17511	Can. 3671	31/07	
17550	17ACO17514	Can. 3602	24/07	
18401	18BHA18404	Can. 3459	42/08	44/10
18405	18BHA18426	Can. 3493	25/07	
18406	18BHA18435	Can. 3481	23/07	
18407	18BHA18436	Can. 3494	12/07	
18408	18BHA18437	Can. 3495	42/08	
18413	18BHA18442	Can. 3442	31/07	
18414	18XHA18451	Can. 3478	31/07	
18415	18BHA18461	Can. 3441	24/07	
18416	18AHA18462	Can. 3440	24/07	
18418	18AHA18466	Can. 3419	24/07	
18420	18BHA18467	Can. 3479	12/07	16/08
18475	18XHA18472	Can. 3685	43/08	
35009	35ACO35002	UK 266	19/04	3/07
35009	35ACO35003	UK 268	19/04	3/07
35009	35ACO35004	UK 273	19/04	4/07
35009	35ACO35005	UK 278	23/04	4/07
35009	35ACO35006	UK 1191	24/04	8/06
35009	35ACO35010	UK 1192	28/04	12/06
35009	35ACO35013	UK 1409	23/04	49/04
35009	35ACO35014	UK 1407	23/04	33/09
35016	35ACO35015	UK 2635	26/06	10/08
35022	35ACO35017	UK 1128	16/08	32/08
35023	35ACO35018	UK 1129	37/07	
35031	35ACO35019	UK 1127	4/06	6/08
35032	35ACO35020	UK 1125	7/07	
35036	35ACO35024	UK1123	3/07	20/07
35040	35ACO35006	UK 1191	24/04	8/06
35060	35ACO35010	UK 1192	28/04	
35080	35ACO35014	UK 1407	23/04	33/09
35081	35BHA35035	UK 734	28/04	52/08
35082	35BHA35037	UK 735	31/04	52/08
35084	35BHA35045	UK 1481	32/04	12/06
35086	35BHA35048	UK 736	32/04	4/09
35088	35BHA35050	UK 190	28/04	12/06
35100	35ACO35013	UK 1409	23/04	49/04
35101	35BHA35052	UK 223	33/04	
35120	35ACO35055	UK 115	23/04	10/08
35130	35ACO35056	UK 1942	12/06	
35135	35ACO35057	UK 2249	27/07	39/10
35136	35ACO35058	UK 2250	27/07	39/10
35141	35ACO35059	UK 2162	21/07	33/09
35144	35XCO35062	UK 2584	27/07	49/08
35150	35ACO35063	UK 1119	27/07	
35155	35ACO35064	UK 1234	27/07	
35159	35ACO35065	UK 3271	30/07	39/10
35160	35ACO35066	UK 1233	27/07	
35163	35ACO35067	UK 3272	27/07	
35166	35ACO35068	UK 3283	27/07	39/10
35169	35ACO35071	UK 3281	29/07	39/10
35170	35ACO35072	UK 3282	30/07	
35200	35ACO35001	UK 1954	28/04	33/09

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35205	35ACO35073	UK 2720	27/07	6/08
35210	35ACO35074	UK 1785	27/07	6/08
35220	35ACO35075	UK 2721	37/07	6/08
35230	35ACO35078	UK 1794	24/07	10/08
35236	<b>35AHA35079</b>	UK 2207	28/07	39/10
35237	<b>35AHA35089</b>	UK 2208	30/07	12/10
35239	<b>35AHA35090</b>	UK 2210	28/07	
35243	<b>35BHA35091</b>	UK 3146	37/07	6/08
35246	35ACO35092	UK 1795	21/07	13/10
35247	35AHA35093	UK 1796	28/07	39/10
35248	<b>35BHA35094</b>	UK 2209	38/07	
35250	35BHA35095	UK 2540	29/07	7/08
35255	<b>35AHA35096</b>	UK 2171	30/07	
35256	35AHA35097	UK 2390	24/07	
35260	35ACO35104	UK 2722	27/07	7/08
35265	35ACO35106	UK 1778	27/07	33/09
35270	<b>35AHA35109</b>	UK 2169	29/07	
35272	35ACO35110	UK 1770	12/07	
35277	35BHA35113	UK 2326	22/06	7/08
35278	35BHA35114	UK 2343	4/06	
35279	35BHA35115	UK 2397	29/06	
35295	35BHA35116	UK 2481	22/06	
35296	35BHA35117	UK 2396	25/06	
35298	35BHA35118	UK 2168	7/07	33/09
35299	35ACO35119	UK 2724	26/06	5/07
35300	35ACO35121	UK 2723	18/06	
35302	35ACO35123	UK 2798	46/05	
35307	35ACO35126	UK 2199	5/06	
35308	35ACO35127	UK 2198	25/06	
35310	35ACO35128	UK 2725	27/06	
35350	35ACO35131	UK 2173	12/07	
35380	35ACO35138	UK 2254	30/06	
35390	35ACO35139	UK 2423	22/06	
35400	35ACO35140	UK 2424	5/06	
35420	35ACO35147	UK 2049	18/06	
35421	35AHA35148	UK 1777	46/05	
35423	35AHA35149	UK 1773	46/05	
35424	35AHA35151	UK 1765	46/05	26/10
35011	35XCO35172	UK 219	8/08	33/09
36010	36ACO36000	UK 1121	26/06	
36015	36ACO36001	UK 2649	47/05	
36040	36ACO36002	UK 1410	47/05	
36060	36ACO36006	UK 1141	12/07	
36061	<b>36BHA36007</b>	UK 1468	20/07	
36062	<b>36BHA36008</b>	UK 1415	4/06	
36063	36BHA36009	UK 1447	12/07	
36081	36BHA36011	UK 1753	7/07	
36098	36AHA36012	UK 2221	47/05	
36103	36BHA36014	UK 2126	9/07	
36104	36BHA36016	UK 2220	6/07	
36106	36BHA36017	UK 2131	47/05	
36108	36BHA36018	UK 2000	4/06	
36110	36BHA36019	UK 2007	8/06	
36115	36BHA36020	UK 1994	3/07	
36116	36AHA36021	UK 1867	23/05	26/10
36117	36BHA36022	UK 1907	11/07	
36118	36BHA36023	UK 2383	25/06	

36119	36BHA36024	UK 2491	4/06	
36120	36ACO36025	UK 1826	13/07	
36127	36BHA36030	UK 3746	32/06	
36128	36BHA36030	UK 3746	32/06	
36137	36AHA36032	UK 1478	39/04	
36138	36AHA36033	UK 3275	39/04	9/05
36139	36BHA36034	UK 3274	39/04	33/09
36140	36ACO36035	UK 1178	39/04	33/09
36141	36BHA36036	UK 2878	41/04	9/05
36161	36BHA36039	UK 1152	52/04	
36162	36BHA36041	UK 1182	1/05	
36163	36BHA36042	UK 1176	1/05	
36165	36BHA36044	UK 1165	17/05	52/06
36180	36ACO36049	UK 2565	27/05	33/09
37043	37AHA37003	UK 1267	15/06	
37044	37AHA37004	UK 30	25/05	39/10
37045	37AHA37006	UK 1901	25/05	20/07
37046	37AHA37007	UK 1613	34/05	18/06
37047	37XHA37008	UK 1902	25/05	27/08
37060	36ACO36050	UK 442	25/05	
37075	37ACO37015	UK 2454	25/08	
37079	37AHA37016	UK 2625	32/05	39/10
37081	37AHA37017	UK 2045	32/05	4/06
37083	37AHA37019	UK 2037	25/05	39/10
37084	37AHA37020	UK 2036	5/06	38/08
37086	37AHA37021	UK 2631	31/05	16/08
37119	37AHA37027	UK 1698	8/06	
37122	37AHA37028	UK 1828	19/05	6/10
37141	37AHA37040	UK 1607	9/05	22/09
37145	37AHA37051	UK 1185	37/04	52/08
37147	37BHA37052	UK 1975	36/04	7/08
37150	37ACO37055	UK 1504	37/04	17/05
37170	37ACO37057	UK 1503	38/04	8/08
37175	37ACO37058	UK 1187	38/04	8/08
37180	37ACO37059	UK 1190	38/04	10/05
37182	37AHA37062	UK 109	38/04	33/09
37183	37BHA37066	UK 1188	6/05	26/10
74071	74BHA74072	Aus. 615	35/07	
74071	74BHA74073	Aus. 616	35/07	
74071	74BHA74074	Aus. 617	35/07	
74141	74XHA74142	Aus. 618	35/07	
74141	74XHA74143	Aus. 610	35/07	
74151	74AHA74154	Aus. 809	12/07	
74152	74BHA74150	Aus. 208	8/07	44/10
74153	74BHA74155	Aus. 207	8/07	
74162	74BCO74163	Aus. 811	13/07	
74162	74BCO74164	Aus. 810	13/07	
74183	74AHA74180	Aus. 237	9/07	
74186	74AHA74189	Aus. 238	47/05	
74192	74BHA74213	Aus. 818	9/07	
74201	74BHA74199	Aus. 246	8/07	
74202	74BHA74208	Aus. 247	13/07	
74204	74BHA74209	Aus. 819	14/07	
74205	74BHA74244	Aus. 245	45/10	
74206	74AHA74212	Aus. 244	15/07	
74210	74BCO74245	Aus. 820	13/07	
74221	74BCO74227	Aus. 821	11/07	



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74229	74BHA74226	Aus. 250	13/07	
74229	74BCO74246	Aus. 824	16/08	
74229	74BCO74247	Aus. 249	16/08	
74231	74BHA74226	Aus. 250	13/07	
74232	74BHA74216	Aus. 256	10/07	
74234	74BHA74237	Aus. 257	11/07	45/10
74252	74BHA74258	Aus. 263	41/10	
74253	74BCO74262	Aus. 830	13/07	
74271	74BCO74275	Aus. 833	18/07	
74271	74BCO74277	Aus. 280	35/07	
74272	74BHA74267	Aus. 834	13/07	
74287	74BHA74279	Aus. 289	52/06	
74293	74ACO74311	Aus. 839	12/06	
74294	74BCO74300	Aus 292	47/05	
74294	74ACO74311	Aus. 839	12/06	
74310	74BCO74395	Aus. 302	18/07	
74320	74BCO74313	Aus. 303	18/07	
74330	74BCO74387	Aus. 304	52/06	
74340	74BCO74384	Aus. 305	35/07	
74350	74BCO74383	Aus. 306	35/07	44/10
74376	74BCO74377	Aus. 715	35/07	
74391	74BHA74390	Aus. 720	35/07	
74391	74BHA74396	Aus. 721	35/07	
74393	74BHA74397	Aus. 26	47/06	
74394	74BHA74397	Aus. 26	47/06	
74415	74ACO74416	Aus. 726	35/07	
74430	74ACO74431	Aus. 315	22/08	48/08
74450	74ACO74451	Aus. 319	34/07	48/08
74517	74ACO74031	Aus. 743	12/06	
74521	75AHA75147	Aus. 744	19/06	
74555	74ACO74593	Aus. 334	34/07	
74581	74AHA74585	Aus. 112	18/07	
75010	75ACO75111	Aus. 341	36/07	
75010	75ACO75114	Aus. 342	36/07	
75110	75ACO75111	Aus. 341	36/07	
75120	75ACO75114	Aus. 342	36/07	
75132	75BHA75137	Aus. 137	19/06	42/08
75144	75BHA75146	Aus. 344	47/05	
75170	75ACO75166	Aus. 788	14/06	
75170	75ACO75167	Aus. 789	14/06	
75170	75ACO75168	Aus. 790	17/06	
75171	75AHA75164	Aus. 144	44/10	
75171	75AHA75165	Aus. 143	21/06	20/08
75171	75AHA75174	Aus. 158	18/06	
75173	75AHA75174	Aus. 158	18/06	
75175	75AHA75178	Aus. 154	18/06	25/08
75261	75AHA75274	Aus. 808	11/07	
75264	75AHA75269	Aus. 201	12/07	
75264	75AHA75267	Aus. 202	48/06	
75265	75AHA75266	Aus. 197	17/07	
95276	95BHA95284	Jpn. W1193	46/10	
96961	96BHA96951	Jpn. W1033A	46/10	
97146	97AHA97135	Jpn. W1083	46/10	
97149	97AHA97137	Jpn. W66	46/10	
97150	97XHA97139	Jpn. W67	46/10	

## MARINE INFORMATION REPORT AND SUGGESTION SHEET INSTRUCTIONS

We value your suggestions to improve our products. The Marine Information Report and Suggestion Sheet is provided for users to submit corrective information. Please be complete and accurate in your description/suggestion and include the information as detailed below:

**Observer:** name(s) of person(s) making observation and rank, rate or title.

**Ship/Organization:** name of vessel or organization.

**Address:** complete mailing address. Also include telephone number, fax, and/or e-mail address, if available, in case clarification is required.

**Date of Observation:** day, month and year at which the observation was made.

**Time of Observation:** local time at which the observation was made.

**Latitude/Longitude:** exact position of the observation expressed as accurately as possible.

**Datum:** horizontal datum to which the observed position is referred (e.g. WGS, NAD83, local foreign datum, etc.).

**Navigation System:** method used to determine the position of the observation (e.g. radar, GPS, Loran, etc.).

Include details about the equipment used, if deemed pertinent.

**Verified by Navigator:** indicate whether observation was verified by navigator.

**Product(s) Affected:** product number(s) and/or name(s) to which the observation applies (e.g. Chart 62400, Sailing Directions Pub. 127, etc.).

**Edition:** edition number and/or year of affected product.

**Latest correction applied:** the latest Notice to Mariners to which your copy of affected product has been corrected.

**Sounding sensor or method used:** equipment or method used to collect soundings. When reporting soundings, please provide an annotated echogram, if available, for verification.

**Soundings corrected for draft:** indicate whether soundings have been corrected for vessel's draft. If not, please include observed draft along with the details of information reported.

**Details of Information Reported:** use this space to provide details of the observation/suggestion. When referring to a charted feature, please describe it exactly as it appears on the chart. When referring to a publication, please indicate page number(s) and line number(s) or station number(s) as applicable. Use additional sheets as necessary and include diagrams, photocopies of the product(s) involved and/or photographs to describe observations in greater detail. If possible, include the designation, point of contact, telephone number, fax number and/or e-mail address of the local port authority to enable NGA to update our records and obtain additional or later information.

**User Feedback:** use this space to provide feedback and suggestions for improving NGA products and services.

Please detach, fold and mail the pre-addressed form and include any other relevant material or supporting information.

Reports which present an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. In general, these hazards would include major aids to navigation anomalies, discovery of obstructions or shoals with depths of less than 30 meters, floating dangers to shipping, and any situation deemed critical to safety of life at sea. For further information consult Notice to Mariners No. 1, paragraph 44 (Worldwide Navigational Warnings Service).

Due to the large volume of information received, NGA cannot acknowledge receipt of every report. Some reports containing useful data are filed for use in the compilation of the next edition of the affected product. Others confirm or clarify previously reported information. Echogram traces are digitized and become part of our Bathymetric Database. Acknowledgment is made by inclusion in the Observer's List of the Notice to Mariners (page ii), or in some cases by letter from the Agency involved.

For additional information about various Hydrographic Reports, consult The American Practical Navigator (Chapter 30).

## MARINE INFORMATION REPORT AND SUGGESTION SHEET

Observer \_\_\_\_\_ Ship/Organization \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

Email address \_\_\_\_\_

Date of Observation \_\_\_\_\_ Time of Observation (Local) \_\_\_\_\_

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ Datum \_\_\_\_\_

Navigation System \_\_\_\_\_ Verified by Navigator: Yes \_\_\_\_\_ No \_\_\_\_\_

Product(s) Affected \_\_\_\_\_ Edition \_\_\_\_\_

Latest correction applied: N.M. \_\_\_\_\_

Sounding sensor or method used \_\_\_\_\_ Sounding(s) corrected for draft: Yes \_\_\_\_\_ No \_\_\_\_\_

Details of Information Reported (continue on additional sheets as necessary) \_\_\_\_\_

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User Feedback (continue on additional sheets as necessary)

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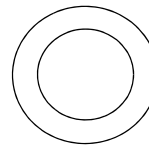
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BETHESDA MD 20816-5003**



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# HYDROARC REPORT SHEET

Observer \_\_\_\_\_

Ship/Organization \_\_\_\_\_

Phone \_\_\_\_\_ Email Address \_\_\_\_\_

Describe Hazard (e.g. dredge, buoy, current meter, operations): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Is hazard remotely monitored? Yes \_\_\_\_\_ No \_\_\_\_\_

If yes, list Internet URL where most recent position will be posted (if any): \_\_\_\_\_

Depth water column is occupied (e.g. "bottom to surface", "surface to 500m"): \_\_\_\_\_

Date of Insertion \_\_\_\_\_ Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Date of Expected Removal \_\_\_\_\_

Most Recent Observation: Date \_\_\_\_\_ Time (Local) \_\_\_\_\_

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ Datum \_\_\_\_\_

Navigation System \_\_\_\_\_ Verified by Navigator: Yes \_\_\_\_\_ No \_\_\_\_\_

Sounding sensor or method used \_\_\_\_\_

Sounding(s) corrected for draft: Yes \_\_\_\_\_ No \_\_\_\_\_

Details of Information Reported (continue on additional sheets as necessary): \_\_\_\_\_

\_\_\_\_\_

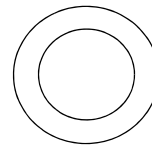
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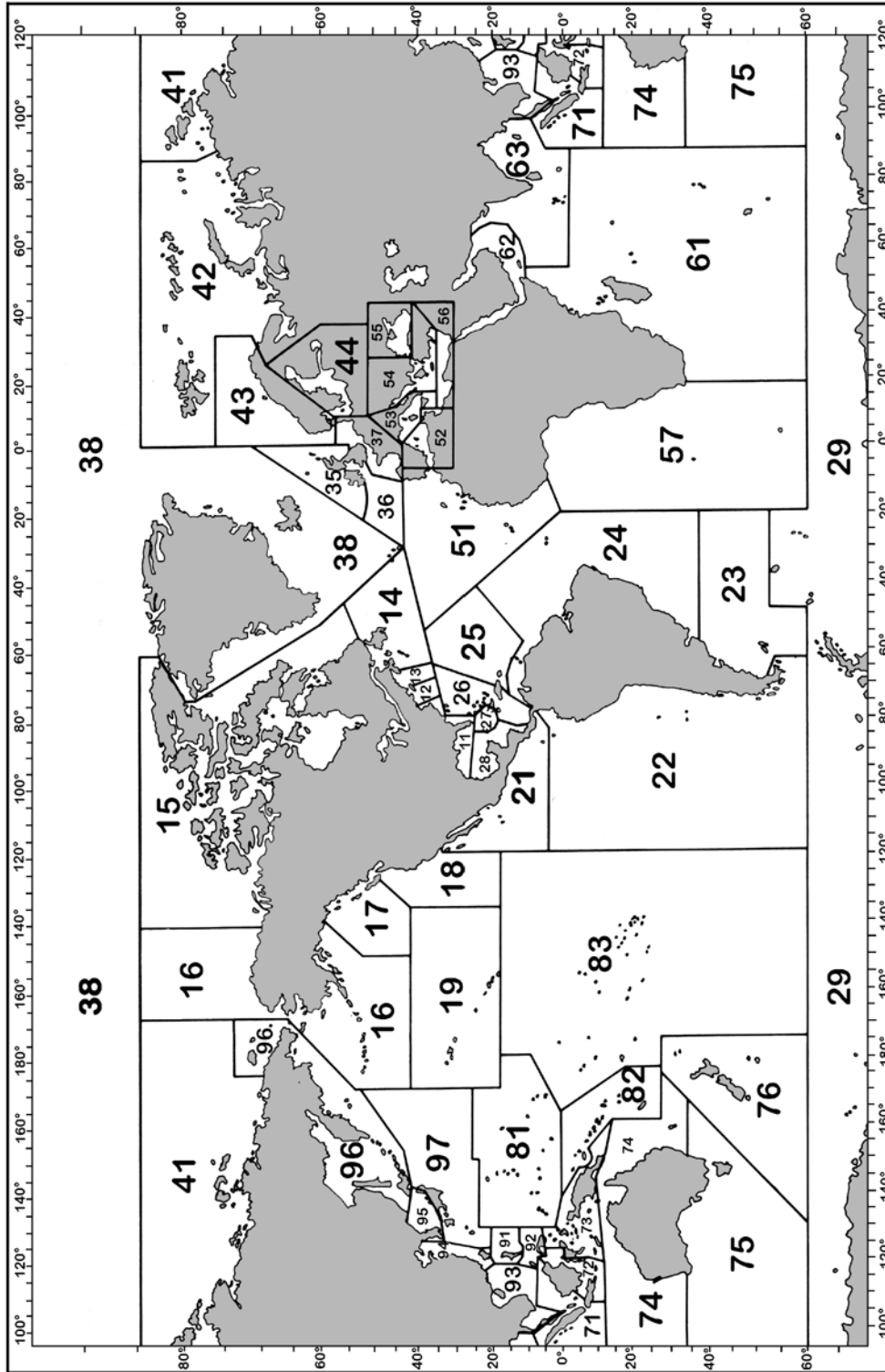
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# GEOGRAPHIC LOCATOR



For chart numbering purposes, the world is divided into nine regions, each corresponding to the geographic limits of one of the nine regions in the NGA/DLIS Catalog of Maps Charts and Related Products. Each Region is further subdivided into the numbered Subregions in the above graphic. The first two digits of all five-digit chart numbers indicate the geographic subregion to which the chart pertains. Users can locate corrections in this Notice for charts of their immediate interest by determining the two-digit Subregion number of the pertinent geographic area, and then turning to the page or pages that list the chart numbers beginning with those two digits.

**IMPORTANT**  
NAVIGATIONAL INFORMATION  
**TIME—DATED**



**NOTICE TO  
MARINERS**

**PLEASE EXPEDITE DELIVERY**