



No. 52



26 DECEMBER 2020

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 <https://msi.nga.mil>

IMPORTANT INFORMATION

The Notice to Mariners is published by the National Geospatial-Intelligence Agency (NGA), under the authority of Department of Defense Directive 5105.60, 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, USCG Light Lists, NGA List of Lights 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 Safety Office	571-557-8384	N/A	571-558-3213
NGA Maritime Safety Watch	571-557-5455	547-5455	571-558-3426
Maritime Safety Web site	571-557-7103	547-7103	N/A
Notice to Mariners: Regions 1 and 2	571-557-8282	547-8282	571-558-3213
Notice to Mariners: Regions 3 thru 9	571-557-8383	547-8383	571-558-3213
Sailing Directions, Fleet Guides	571-557-5831	547-5831	571-558-3213
Navigation Publications	571-557-8080	547-8080	571-558-3213
NGA/DLIS 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 <https://msi.nga.mil>. For your convenience, NGA provides the following 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.

Cover Photo: The USNS MERCY (T-AH-19) is the lead hospital ship. She was originally built as the oil tanker SS WORTH by National Steel and Shipbuilding Co., San Diego in 1976. July 1984 she was renamed to USNS MERCY and converted into a hospital ship. The ship has two missions, first to provide a mobile, flexible, rapidly-responsive afloat medical capability to render acute medical and surgical care in support of our armed forces located in areas where hostilities may be imminent. Secondly, to provide a full service hospital asset for use by other U.S. government agencies involved in the support of disaster relief and humanitarian operations worldwide. In March of 2020 the USNS MERCY assisted in COVID-19 relief by providing support in the Port of Los Angeles.

INFORMATION
OF
SPECIAL INTEREST
OR
IMPORTANCE
TO
MARINERS

NM 52/20

HYDROGRAM

**National Geospatial-Intelligence Agency
Springfield, VA 22150-7500**

SPECIAL
ANNOUNCEMENTS
NEW PRODUCTS
OR SERVICES
IMPORTANT
CHANGES

26 December 2020

DISCONTINUATION OF NTM SECTIONS

NGA WILL DISCONTINUE NGA/DLIS CATALOG CORRECTIONS, NAVIGATION PUBLICATIONS CORRECTIONS, USCG LIGHT LIST CORRECTIONS / RADIOBEACON CORRECTIONS, NGA LIST OF LIGHTS / RADIOBEACON / DGPS CORRECTIONS, PUBLICATIONS AFFECTED BY NOTICE TO MARINERS, BROADCAST WARNINGS, AND HYDROGRAM SECTIONS IN THE U.S. NOTICE TO MARINERS. ADDITIONALLY, U.S. NOTICE TO MARINERS 01 OF EACH YEAR WILL NO LONGER HAVE SPECIAL NOTICE TO MARINERS PARAGRAPHS. NGA WILL ALSO NO LONGER POST THE WORLD-WIDE NAVIGATIONAL WARNING SERVICE (WWNWS) DAILY MEMORANDUM ON THEIR WEBSITE, MAINTAIN THE USCG LIGHT LIST DATABASE/GEOSPATIAL SEARCH CAPABILITIES ON THEIR WEBSITE, AND PROVIDE THE WORLD PORT INDEX (NGA PUBLICATION 150) AS A PDF “BOOK” VERSION. SEE SECTION III FOR DETAILS.

BROADCAST WARNINGS

ALL NAVAREAS, HYDROLANTS, HYDROPACS, AND HYDROARCS IN FORCE ARE CONTAINED IN THIS NOTICE. SEE SECTION III FOR DETAILS.

IRIDIUM SAFETYCAST SERVICE

THE IRIDIUM SAFETYCAST SERVICE HAS BEEN ESTABLISHED AND IS OPERATIONAL FOR BROADCAST WARNINGS. SEE SECTION III FOR DETAILS.

NEW EDITIONS OF NOS TIDE AND TIDAL CURRENT TABLES

NATIONAL OCEAN SERVICE (NOS) TIDE TABLES AND TIDAL CURRENT TABLES, 2021 EDITIONS, ARE READY FOR ISSUE. THESE EDITIONS ARE PRODUCED BY NOS IN DIGITAL FORMAT ONLY. SEE SECTIONS II AND III FOR DETAILS.

NEW EDITION OF SAILING DIRECTIONS

PUB. 164, SAILING DIRECTIONS (ENROUTE) NEW GUINEA, FIFTEENTH EDITION, 2020, IS AVAILABLE AT THE MARITIME SAFETY WEB SITE. THIS EDITION IS PRODUCED BY NGA IN DIGITAL FORMAT ONLY. SEE SECTIONS II AND III FOR DETAILS.

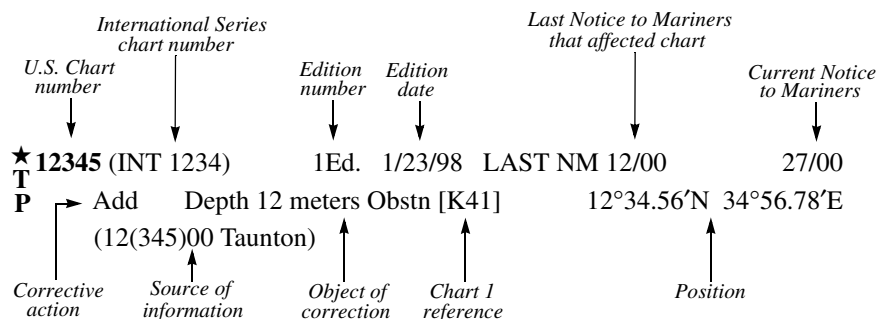
NGA GUIDANCE ON THE PROPER DISPLAY SCALE OF DIGITAL NAUTICAL CHART (DNC) DATA

NGA STRONGLY RECOMMENDS AGAINST DISPLAYING DNC DATA AT A SCALE LARGER THAN THE DATA COMPILATION SCALE, COMMONLY KNOWN AS OVER-SCALING. FOR ADDITIONAL INFORMATION, 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, USCG Light Lists, NGA List of Lights 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 N 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.

Position coordinates are referred to the horizontal datum of the affected chart.

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 Coast Pilots, *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.

SECTION I
CHART CORRECTIONS

NM 52/20

★501 (INT 801) 13Ed. 6/09 LAST NM 52/19 52/20 Add Danger circle "Obstn" [K40] (PA) 32°19'N 119°32'W (NOS)	★11545 67Ed. 7/19 LAST NM 46/20 52/20 Relocate Buoy "14" from 34°41'31"N 76°40'03"W to 34°41'33"N 76°40'06"W Buoy "29A" from 34°45'07"N 76°40'31"W to 34°45'14"N 76°40'29"W (See 15, 30/20) (39/20 CG5)
★502 (INT 802) 2Ed. 7/23/83 LAST NM 24/18 52/20 Add Danger circle "Obstn" [K40] (PA) 32°19'N 119°32'W (NOS)	★11547 40Ed. 7/15 LAST NM 46/20 52/20 Relocate Buoy "14" from 34°41'30.6"N 76°40'02.9"W to 34°41'32.8"N 76°40'05.6"W (See 15, 30/20) (39/20 CG5)
★520 127Ed. 8/22/81 LAST NM 44/19 52/20 Add Danger circle "Obstn" [K40] (PA) 32°19'N 119°32'W (NOS)	★12004 39Ed. 6/18 LAST NM 51/19 52/20 Delete Light "1W" 36°22'46"N 75°55'02"W (44/20 CG5)
★11345 36Ed. 11/20 NEW EDITION 52/20 (NOS)	★12205 35Ed. 2/17 LAST NM 27/20 52/20 (Page B) Delete Light "1W" 36°22'46"N 75°55'02"W (44/20 CG5)
★11362 6Ed. 3/29/14 LAST NM N33/20 N52/20 Delete Danger circle "Obstn" (PA) 30°10.9'N 88°29.3'W (NOS)	★12207 25Ed. 8/19 LAST NM 27/20 52/20 Delete Light "1W" 36°22'46"N 75°55'02"W (44/20 CG5)
★11366 16Ed. 6/15 LAST NM 33/20 52/20 Delete Danger circle "Obstn" (PA) 30°10.9'N 88°29.3'W (NOS)	★12210 46Ed. 11/19 LAST NM 30/20 52/20 Delete Light "WB" 37°35'57"N 75°41'04"W Relocate Buoy "2" from 37°34'51"N 75°37'19"W to 37°35'28"N 75°37'37"W Buoy "1" from 37°35'28"N 75°37'37"W to 37°34'51"N 75°37'19"W (Inset) Substitute Buoy "17" G, Fl G 4s for light "17" 37°54'12.4"N 75°24'43.5"W (36, 42/20 CG5)
★11371 42Ed. 11/18 LAST NM 28/20 52/20 Add Dangerous wreck [K28] (PA) 30°17'56"N 89°09'14"W (42/20 CG8)	★12211 49Ed. 5/20 LAST NM 37/20 52/20 Substitute Buoy "17" G, Fl G 4s for light "17" 37°54'12"N 75°24'44"W (42/20 CG5)
★11372 35Ed. 9/12 LAST NM 31/20 52/20 (Side B) Add Dangerous wreck [K28] (PA) 30°17'56.0"N 89°09'14.0"W Dangerous wreck [K28] (PA) 30°22'58.8"N 88°55'01.8"W (42/20 CG8)	★12221 84Ed. 5/19 LAST NM 50/20 52/20 Delete Buoy "6" 37°15'23"N 76°01'46"W Buoy "5" 37°15'22"N 76°01'54"W Change Light "C" to "A" Fl W 4s 4M 37°15'21"N 76°01'57"W Light to Fl W 2.5s 4M 37°15'58"N 76°01'41"W Designation of front range light "8" to "B" 37°15'44"N 76°01'41"W Add Light "6" Fl R 4s 15ft 4M 37°15'22"N 76°01'47"W Beacon "9" G 37°15'58"N 76°01'37"W (NOS; 35, 38/20 CG5)
★11373 52Ed. 5/15 LAST NM 49/20 52/20 Delete Danger circle "Obstn" (PA) 30°10'52"N 88°29'17"W Add Dangerous wreck [K28] (PA) 30°22'59"N 88°55'02"W Dangerous wreck [K28] (PA) 30°16'55"N 88°31'05"W (NOS; 42/20 CG8)	★12222 56Ed. 5/19 LAST NM 44/20 52/20 Delete Light "2" 36°59'57"N 76°19'08"W Add Light "1HR" QG 15ft 4M 37°00'00"N 76°19'17"W (40/20 CG5)
★11374 38Ed. 5/15 LAST NM 43/20 52/20 (Side A) Delete Danger circle "Obstn" (PA) 30°10'52.4"N 88°29'17.5"W Add Dangerous wreck [K28] (PA) 30°16'54.9"N 88°31'05.1"W (Side B) Add Dangerous wreck [K28] (PA) 30°16'54.9"N 88°31'05.1"W (NOS; 42/20 CG8)	★12224 28Ed. 12/18 LAST NM 50/20 52/20 Delete Buoy "6" 37°15'23.6"N 76°01'48.0"W Buoy "5" 37°15'23.1"N 76°01'53.2"W Change Light "C" to "A" Fl W 4s 12ft 4M 37°15'23.3"N 76°01'56.8"W Light to Fl W 2.5s 18ft 4M 37°15'58.1"N 76°01'40.5"W Designation of front range light "8" to "B" 37°15'44.0"N 76°01'41.1"W Add Light "6" Fl R 4s 15ft 4M 37°15'21.5"N 76°01'46.8"W Beacon "9" G 37°15'57.8"N 76°01'37.3"W (NOS; 35, 38/20 CG5)
★11375 39Ed. 2/16 LAST NM 16/20 52/20 Delete Danger circle "Obstn" (PA) 30°10'52.4"N 88°29'17.5"W Add Dangerous wreck [K28] (PA) 30°16'54.9"N 88°31'05.1"W (NOS; 42/20 CG8)	★12225 62Ed. 8/19 LAST NM 36/20 52/20 Change Buoy "WR17" to "17" G, can 37°36'53"N 75°53'28"W (45/20 CG5)
★11416 16Ed. 10/20 LAST NM 47/20 52/20 Add Danger area "12 piles" [F22] bound by shore and dotted line joining 27°55'15.0"N 82°36'32.9"W 27°55'20.2"N 82°36'35.6"W 27°55'13.3"N 82°36'51.9"W 27°55'08.1"N 82°36'49.3"W (44/20 CG7)	
★11541 42Ed. 2/19 LAST NM 46/20 52/20 (Side A, Beaufort Inlet II to HH) Relocate Buoy "14" from 34°41'31"N 76°40'03"W to 34°41'33"N 76°40'06"W Buoy "29A" from 34°45'07"N 76°40'31"W to 34°45'14"N 76°40'29"W (See 15, 30/20) (39/20 CG5)	
★11543 25Ed. 4/15 LAST NM 46/20 52/20 Relocate Buoy "14" from 34°41'31"N 76°40'03"W to 34°41'33"N 76°40'06"W (See 30/20) (39/20 CG5)	

★12226 20Ed. 11/20 NEW EDITION 52/20
(NOS)

★12230 67Ed. 1/17 LAST NM 29/20 52/20
Delete Beacon "1" 38°03'55"N 76°19'35"W
Beacon "2" 38°03'56"N 76°19'35"W
Beacon "A" 38°03'47"N 76°19'34"W
(NOS; 45/20 CG5)

★12233 39Ed. 9/17 LAST NM 10/19 52/20
Delete Beacon "1" 38°03'54.9"N 76°19'34.9"W
Beacon "2" 38°03'56.0"N 76°19'35.3"W
Beacon "3" 38°03'54.1"N 76°19'45.8"W
Beacon "4" 38°03'51.6"N 76°19'48.4"W

Beacon "A" 38°03'46.7"N 76°19'36.0"W
Beacon "B" 38°05'53.5"N 76°34'49.2"W
Beacon "B" 38°03'51.2"N 76°19'47.1"W
Beacon "C" 38°05'49.7"N 76°34'49.8"W
(NOS; 10, 45/20 CG5)

★12245 71Ed. 8/20 LAST NM 44/20 52/20
Delete Light "2" 36°59'57.1"N 76°19'08.3"W

Add Light "1HR" QG 15ft 4M 37°00'00.1"N 76°19'16.9"W
(40/20 CG5)

★12256 19Ed. 10/17 LAST NM 35/20 52/20
Delete Light "2" 36°59'57.1"N 76°19'08.3"W

Add Light "1HR" QG 15ft 4M 37°00'00.1"N 76°19'16.9"W
(40/20 CG5)

★12263 58Ed. 12/18 LAST NM 47/20 52/20
Add Buoy "AN" Y, Fl Y 4s [Q130.6] 38°57'49"N 76°26'48"W
(See 47/20)
(45/20 CG5)

★12270 40Ed. 7/19 LAST NM 47/20 52/20
Delete Buoy "6" 38°50'11"N 76°17'02"W
Buoy "6" 38°45'15"N 76°10'24"W
Buoy "4" 38°45'20"N 76°10'24"W
Buoy "3" 38°45'22"N 76°10'25"W
Beacon "2" 38°45'23"N 76°10'27"W

Add Buoy "4" R, nun 38°50'09"N 76°17'03"W
Buoy "AN" Y, Fl Y 4s [Q130.6] 38°57'49"N 76°26'48"W
(See 47/20)
(39, 42, 45/20 CG5)

★12272 33Ed. 1/17 LAST NM 45/20 52/20
Substitute Buoy "14" R, nun for beacon "14" 39°08'54.7"N 76°15'16.1"W

(Inset Rock Hall Harbor and Swan Creek)
Substitute Buoy "14" R, nun (Priv) for beacon "14" 39°08'54.7"N 76°15'16.1"W

Add "Pipeline Area" [L40.2] bound by shore, plan border and purple dashed line joining 39°07'58.7"N 76°14'35.3"W
39°07'54.8"N 76°14'34.3"W
39°07'52.9"N 76°14'33.2"W
(NOS; 42/20 CG5)

★12278 80Ed. 5/20 LAST NM 47/20 52/20
Substitute Buoy "14" R, nun for beacon "14" 39°08'55"N 76°15'16"W
(42/20 CG5)

★12280 12Ed. 9/20 LAST NM 47/20 52/20
(Left Panel)
Add Buoy "AN" Y, Fl Y 4s [Q130.6] 38°57.8"N 76°26.8"W
(See 47/20)
(45/20 CG5)

★12282 38Ed. 7/20 LAST NM 47/20 52/20
Add Buoy "AN" Y, Fl Y 4s [Q130.6] 38°57'49.0"N 76°26'48.4"W
(See 47/20)
(45/20 CG5)

★12283 29Ed. 8/14 LAST NM 47/20 52/20
Add Buoy "AN" Y, Fl Y 4s [Q130.6] 38°57'49.0"N 76°26'48.4"W

(See 47/20)
(45/20 CG5)

★12285 43Ed. 4/19 LAST NM 17/20 52/20
(Page A)
Delete Beacon "2" 38°03'56"N 76°19'35"W
Beacon "A" 38°03'47"N 76°19'36"W

(Page C)
Substitute Buoy "1L" G, Fl G 4s for light "1L" 38°13'36"N 76°46'51"W

(Page D, Inset 8)
Change Light "2" to "WR2" QR 15ft 4M 38°15'56.1"N 76°50'22.4"W
(41, 42, 45/20 CG5)

★12286 33Ed. 8/17 LAST NM 48/19 52/20
Delete Beacon "B" 38°05'53.8"N 76°34'49.0"W
Beacon "C" 38°05'49.7"N 76°34'49.8"W
Beacon "D" 38°05'43.2"N 76°34'56.1"W
Beacon "E" 38°05'42.8"N 76°34'55.2"W
Beacon "F" 38°05'32.6"N 76°34'58.1"W
Beacon "G" 38°05'31.8"N 76°34'59.7"W
Beacon "H" 38°05'29.5"N 76°34'54.4"W

Substitute Buoy "1L" G, Fl G 4s for light "1L" 38°13'35.5"N 76°46'51.1"W

Change Light "2" to "WR2" QR 15ft 4M 38°15'56.1"N 76°50'22.4"W
(10, 41, 42/20 CG5)

★12311 48Ed. 2/19 LAST NM 50/20 52/20
Add Depth 34 feet Obstn [K41] 39°42'01"N 75°30'33"W
Depth 34 feet Obstn [K41] 39°41'56"N 75°30'35"W
Depth 17 feet Obstn [K41] 39°41'56"N 75°30'31"W
Depth 43 feet Obstn [K41] 39°41'52"N 75°30'39"W
(NOS)

★13260 44Ed. 11/20 NEW EDITION 52/20
(NOS)

14198 3Ed. 6/7/19 LAST NM N14/20 N52/20
(Panel A)
Add Depth 6.1 meters 45°37'47.8"N 73°29'08.8"W

(Panel B)
Add Depth 6.2 meters 45°38'13.8"N 73°29'10.6"W
Depth 6.1 meters 45°37'47.8"N 73°29'08.8"W
(10/20 Ottawa)

★14902 32Ed. 11/20 NEW EDITION 52/20
(NOS)

★18000 8Ed. 8/21/93 LAST NM 34/20 52/20
Add Danger circle "Obstn" [K40] (PA) 32°18.5'N 119°31.9'W
(NOS)

★18002 11Ed. 11/30/19 LAST NM N34/20 N52/20
Add Danger circle "Obstn" [K40] (PA) 34°21.0'N 119°34.4'W
Danger circle "Obstn" [K40] (PA) 34°20.3'N 119°37.8'W
Danger circle "Obstn" [K40] (PA) 32°18.5'N 119°31.9'W
(NOS)

★18007 33Ed. 2/09 LAST NM 45/20 52/20
Add Danger circle "Obstns Rep (2020)" [K40] (PA) 40°40.5'N 124°28.0'W
(NOS)

★18008 9Ed. 5/17/14 LAST NM N45/20 N52/20
Add Danger circle "Obstns Rep (2020)" [K40] (PA) 40°40.5'N 124°28.0'W
(NOS)

SECTION I

NM 52/20

★18009	4Ed. 12/8/12	LAST NM N3/20	N52/20		
Add	Buoy "WAVE BUOY" Y, spherical, Fl(5) Y 20s (Priv) [Q130.6]		36°42.0'N 122°20.6'W		
(NOS)					
★18010	22Ed. 9/12	LAST NM 34/20	52/20		
Add	Danger circle "Obstns Rep (2020)" [K40] (PA)		40°40.5'N 124°28.0'W		
	Buoy "WAVE BUOY" Y, Fl(5) Y 20s (Priv) [Q130.6]		36°42.0'N 122°20.6'W		
(NOS)					
★18020	39Ed. 1/12	LAST NM 34/20	52/20		
Add	Danger circle [K1]		34°21.0'N 119°34.4'W		
	Danger circle [K1]		34°20.3'N 119°37.8'W		
	Danger circle "Obstn" [K40] (PA)		32°18.5'N 119°31.9'W		
(NOS)					
★18022	36Ed. 6/11	LAST NM 34/20	52/20		
Add	Danger circle "Obstn" [K40] (PA)		34°21.0'N 119°34.4'W		
	Danger circle "Obstn" [K40] (PA)		34°20.3'N 119°37.8'W		
	Danger circle "Obstn" [K40] (PA)		32°18.5'N 119°31.9'W		
(NOS)					
★18620	24Ed. 2/12	LAST NM 34/20	52/20		
Add	Danger circle "Obstns Rep (2020)" [K40] (PA)		40°40.5'N 124°28.0'W		
(NOS)					
★18680	32Ed. 5/13	LAST NM 51/19	52/20		
Add	Buoy "WAVE BUOY" Y, Fl(5) Y 20s (Priv) [Q130.6]		36°42.0'N 122°20.6'W		
(NOS)					
★18720	35Ed. 4/20	LAST NM 34/20	52/20		
Change	Legend to "Obstns" at danger circle (PA)		34°19.0'N 119°32.7'W		
	Add	Danger circle [K1]	34°19.1'N 119°32.9'W		
		Danger circle "Obstn" [K40] (PA)	34°21.0'N 119°34.4'W		
		Danger circle "Obstn" [K40] (PA)	34°20.3'N 119°37.8'W		
(NOS)					
★18741	23Ed. 11/30/19	LAST NM N5/20	N52/20		
Add	Danger circle "Obstn" [K40] (PA)		32°18.5'N 119°31.9'W		
(NOS)					
★18760	11Ed. 11/30/19	LAST NM N34/20	N52/20		
Add	Danger circle "Obstn" [K40] (PA)		34°21.0'N 119°34.4'W		
	Danger circle "Obstn" [K40] (PA)		34°20.3'N 119°37.8'W		
	Danger circle "Obstn" [K40] (PA)		32°18.5'N 119°31.9'W		
(NOS)					
★19002	13Ed. 11/9/19	LAST NM N20/20	N52/20		
Add	Buoy "2" Y, pillar, Fl Y 6s (Priv) [Q130.6]		20°42.8'N 157°09.2'W		
(USCG LL)					
★19004	39Ed. 11/10	LAST NM 20/20	52/20		
Add	Buoy "2" Y, Fl Y 6s (Priv) [Q130.6]		20°42.8'N 157°09.2'W		
(USCG LL)					
★19010	20Ed. 4/11	LAST NM 23/20	52/20		
Add	Buoy "2" Y, Fl Y 6s (Priv) [Q130.6]		20°42.8'N 157°09.2'W		
(USCG LL)					
★19013	19Ed. 10/10	LAST NM 8/20	52/20		
Add	Buoy "2" Y, Fl Y 6s (Priv) [Q130.6]		20°42.8'N 157°09.2'W		
(USCG LL)					
★19339	4Ed. 11/9/19	LAST NM N8/20	N52/20		
Add	Buoy "2" Y, pillar, Fl Y 6s (Priv) [Q130.6]		20°42.8'N 157°09.2'W		
(USCG LL)					
★19340	27Ed. 3/08	LAST NM 44/19	52/20		
Add	Buoy "2" Y, Fl Y 6s (Priv) [Q130.6]		20°42.8'N 157°09.2'W		
(USCG LL)					
22160	2Ed. 5/25/96	LAST NM 32/20	52/20		
Add	Dangerous wreck [K28]		12°03.0'S 77°10.9'W		
	Dangerous wreck [K28]		12°02.4'S 77°10.6'W		
	(See 50/96)				
	(48(5739)20 Taunton)				
22170	3Ed. 8/4/01	LAST NM 32/20	52/20		
Add	Dangerous wreck [K28]		12°03.0'S 77°10.9'W		
	Dangerous wreck [K28]		12°02.4'S 77°10.6'W		
	(48(5739)20 Taunton)				
22172	9Ed. 11/3/12	LAST NM N43/20	N52/20		
Add	Dangerous wreck [K28]		12°03'00.1"S 77°10'53.0"W		
	Dangerous wreck [K28]		12°02'24.6"S 77°10'33.6"W		
	(See N24/19)				
	(48(5739)20 Taunton)				
22173	37Ed. 10/13/12	LAST NM N41/20	N52/20		
Delete	Light from buoy		12°14'12"S 77°02'41"W		
	Substitute	Dangerous wreck [K28] for depth 15.2 meters	12°02'25"S 77°10'34"W		
		(See N24/19)			
	Add	Dangerous wreck [K28]	12°03'00"S 77°10'53"W		
		(10(82)20 Callao; 48(5739)20 Taunton)			
23121	7Ed. 12/30/95	LAST NM 30/14	52/20		
Delete	Danger circle "Foul"		39°00'55"S 61°53'53"W		
	(7(104)17 Buenos Aires)				
23124	4Ed. 1/8/11	LAST NM N32/20	N52/20		
Delete	Foul ground symbol		39°00'55"S 61°53'51"W		
	(7(104)17 Buenos Aires)				
23125	5Ed. 11/3/12	LAST NM N32/20	N52/20		
Delete	Foul ground symbol		39°00.9'S 61°53.9'W		
	(7(104)17 Buenos Aires)				
23127	4Ed. 1/1/01	LAST NM N15/15	N52/20		
Delete	Foul ground symbol		39°00'53"S 61°53'52"W		
	(See N11/07)				
	(7(104)17 Buenos Aires)				
23141	8Ed. 10/13/12	LAST NM N31/20	N52/20		
Add	Beacon, Mo(K) W 9s 16m 10M with visible sector 190°-015°		37°55.6'S 57°31.6'W		
	(11(123)19 Buenos Aires; UKHO LL)				
23142	11Ed. 6/28/14	LAST NM N31/20	N52/20		
Change	Light to Mo(K) W 9s 16m 10M with visible sector 190°-015°		37°55'35"S 57°31'31"W		
	Add	Beacon, Iso R 3s 4M with visible sector 268°-318°	37°55'38"S 57°31'21"W		
		(11(123)19 Buenos Aires; UKHO LL)			
23145	4Ed. 12/8/12	LAST NM N31/20	N52/20		
Add	Beacon, Mo(K) W 9s 16m 10M with visible sector 190°-015°		37°55.6'S 57°31.6'W		
	(11(123)19 Buenos Aires; UKHO LL)				
24161	13Ed. 11/26/16	LAST NM N37/20	N52/20		
Add	Dashed line (recommended track) [M4] joining		23°03'51"W 43°12'51"W		
			23°03'23"S 43°12'07"W		
			23°02'05"S 43°10'12"W		
			23°01'13"S 43°09'03"W		
		Purple heavy dashed line (routing measure limit) [M15] joining	23°04'00"S 43°12'46"W		
			23°03'32"S 43°12'02"W		
			23°02'13"S 43°10'06"W		
			23°01'21"S 43°08'58"W		

(continued on next page)

24161	(Continued)		
Add	Purple heavy dashed line (routing measure limit) [M15] joining	23°03'44"S 43°12'56"W 23°03'15"S 43°12'12"W 23°01'57"S 43°10'17"W 23°01'05"S 43°09'08"W	
	Note		
	"MANDATORY TRAFFIC ROUTE Mandatory route for vessels with length overall greater than 24 meters and gross tonnage greater than 100 tons or platforms and maritime support vessels sailing between the islands." 22°45'00"S 43°17'30"W		
	Legend "MANDATORY TRAFFIC ROUTE (see Note)" 23°03'30"S 43°11'12"W		
	(19(104)20 Rio de Janeiro)		
24490	3Ed. 6/24/95 LAST NM 31/20	52/20	
Change	Range of light to 12M (See 31/20)	11°15.0'N 74°13.8'W	
	(43(5100)20 Taunton)		
24491	3Ed. 9/17/94 LAST NM 31/20	52/20	
Change	Range of light to 12M (See 31/20)	11°15'00"N 74°13'50"W	
	(43(5100)20 Taunton)		
24492	21Ed. 9/27/08 LAST NM N31/20	N52/20	
Change	Range of light to 12M (See N31/20)	11°15'00.0"N 74°13'50.0"W	
	(43(5100)20 Taunton)		
25645	20Ed. 11/12 LAST NM 11/18	52/20	
Add	Depth 17 feet and extend depth contour (18-foot) W to enclose	17°45'40.5"N 64°41'44.5"W	
	(NOS)		
26128	51Ed. 7/14/18 LAST NM N34/20	N52/20	
Substitute	Buoy "Pond Mouth" G, can, Fl G 1.5s for beacon "Pond Mouth" 17°57'51.0"N 76°48'34.8"W		
	(47(5646)20 Taunton)		
27163	22Ed. 9/19/20 LAST NM N42/20	N52/20	
Add	Buoy "3" G, can 22°06'06.0"N 80°28'42.0"W		
	(9(135)20 Habana; CUB LL)		
37165	4Ed. 3/2/13 LAST NM N28/20	N52/20	
Delete	Buoy "TG 14" 53°59.1'N 7°15.7'E		
	(9(50)13 Hamburg)		
37221	14Ed. 6/21/08 LAST NM 28/20	52/20	
Delete	Buoy "TG 14" 53°59.1'N 7°15.6'E		
	(9(50)13 Hamburg)		
37223	15Ed. 2/11/12 LAST NM 49/20	52/20	
Delete	Depth 14.4 meters Wk 53°35.9'N 6°04.0'E Depth 14.7 meters Wks 53°35.2'N 6°02.7'E Depth 11.7 meters Wks 53°34.8'N 6°02.6'E		
	(36(382)15 Den Haag)		
37229	16Ed. 2/2/13 LAST NM N51/20	N52/20	
Delete	Depth 3 meters 53°43'33.0"N 9°28'31.5"E Depth 4.2 meters 53°43'36.9"N 9°28'31.5"E		
Substitute	Depth 3.6 meters for 4.7 meters 53°43'29.4"N 9°28'57.6"E		
Add	Depth 2.8 meters 53°43'34.2"N 9°28'35.4"E		
	(43(1640)20 Hamburg; DEU CH 1640)		
38541	5Ed. 10/27/12 LAST NM N50/20	N52/20	
Delete	Submarine cable between 64°09'25"N 51°47'45"W 64°10'09"N 51°45'05"W		
	Submarine cable between 64°09'59"N 51°44'36"W 64°09'15"N 51°47'06"W		

Add	Submarine cable [L30.1] joining	64°09'15"N 51°47'06"W 64°09'17"N 51°46'54"W 64°09'10"N 51°46'35"W 64°09'19"N 51°46'39"W 64°09'24"N 51°46'32"W 64°09'37"N 51°45'37"W 64°09'58"N 51°44'45"W
	Submarine cable [L30.1] joining	64°10'00"N 51°44'46"W 64°09'41"N 51°45'56"W 64°09'39"N 51°46'12"W 64°09'49"N 51°46'27"W 64°09'39"N 51°46'28"W 64°09'36"N 51°46'34"W 64°09'26"N 51°47'35"W 64°09'25"N 51°47'45"W
	(8(85)19 Norresundby)	
38546	3Ed. 7/28/12 LAST NM N50/20	N52/20
Delete	Submarine cable between	64°09'25.1"N 51°47'44.4"W 64°10'10.1"N 51°44'58.6"W
	Submarine cable between	64°09'59.8"N 51°44'31.0"W 64°09'05.2"N 51°47'44.4"W
Add	Submarine cable [L30.1] joining	64°09'04.9"N 51°47'44.4"W 64°09'15.2"N 51°47'06.4"W 64°09'16.9"N 51°46'54.8"W 64°09'10.0"N 51°46'35.9"W 64°09'18.2"N 51°46'39.1"W 64°09'24.2"N 51°46'32.4"W 64°09'32.4"N 51°45'59.9"W 64°09'36.7"N 51°45'36.8"W 64°09'58.1"N 51°44'45.0"W
	Submarine cable [L30.1] joining	64°09'59.9"N 51°44'46.0"W 64°09'44.6"N 51°45'40.5"W 64°09'39.0"N 51°46'10.0"W 64°09'48.8"N 51°46'27.1"W 64°09'38.7"N 51°46'27.7"W 64°09'36.5"N 51°46'32.7"W 64°09'23.9"N 51°47'44.4"W
	(8(85)19 Norresundby)	
43240	4Ed. 12/28/96 LAST NM 51/20	52/20
Change	Range of light to 6-5M Range of light to 4-3M	63°39.5'N 8°40.7'E 63°52.6'N 8°39.0'E
	(NOR LL)	
43246	5Ed. 1/11/97 LAST NM 51/20	52/20
Change	Light to Iso WRG 6s 11m 6-5M with sectors green-066°-077°, white-084.5°, red-175°, green-254.5°, white-257.5°, red-262.5° 63°39'33"N 8°40'40"E	
	(20(62903)20 Stavanger; NOR LL)	
43247	5Ed. 7/13/96 LAST NM 51/20	52/20
Change	Light to Iso WRG 6s 11m 6-5M with sectors green-066°-077°, white-084.5°, red-175°, green-254.5°, white-257.5°, red-262.5° 63°39'30"N 8°40'32"E Light to "Landbotskjaer" Oc(2) WRG 8s 6m 4-3M with sectors green-150°-172°, white- 187.5°, red-274.5°, green-306.5°, white-315.5°, red-333.5°, green-020°, white-024.5°, red- 038.5° 63°52'36"N 8°38'50"E	
	(8(393)03, 20(62903)20 Stavanger; NOR LL)	
43260	4Ed. 11/22/97 LAST NM 51/20	52/20
Change	Range of light to 6-5M (NOR LL)	63°39.5'N 8°40.5'E
43373	8Ed. 6/22/96 LAST NM 42/20	52/20
Delete	Beacons (2) in vicinity	58°53'30"N 11°03'22"E
Change	Range of light to 2-1M	58°59'37"N 11°04'04"E
Add	Submarine pipeline [L40.1] joining	59°01'15"N 11°04'46"E 59°01'26"N 11°05'04"E 59°01'30"N 11°05'07"E
	Depth 2.4 meters Rk [K14.1]	59°04'00"N 11°22'50"E

(continued on next page)

43373	(Continued)			
Add	Depth 2 meters Rk [K14.1]	59°04'08"N	11°22'28"E	
	Depth 1.6 meters Rk [K14.2]	59°04'16"N	11°22'30"E	
	Depth 4.3 meters Rk [K14.2]	59°04'33"N	11°22'33"E	
	Depth 1.3 meters Rk [K14.2]	59°05'04"N	11°22'20"E	
	Depth 1.1 meters Rk [K14.2]	59°02'27"N	11°25'07"E	
	Depth 0.7 meter Rk [K14.2]	59°06'32"N	11°20'41"E	
	Depth 4.2 meters Rk [K14.2]	59°05'43"N	11°22'54"E	
	Depth 6.7 meters Rk [K14.2]	59°03'54"N	11°23'30"E	
	Depth 5.6 meters Rk [K14.2]	59°07'02"N	11°20'43"E	
	Depth 7.8 meters Rk [K14.2]	59°06'09"N	11°17'27"E	
	Rock awash [K12]	59°05'55"N	11°21'08"E	
	Submarine cable [L30.1] joining	59°09'45"N	11°09'54"E	
		59°09'50"N	11°10'01"E	
		59°09'50"N	11°10'29"E	
		59°09'47"N	11°10'39"E	
	(5190)09, 22(60829, 60848)19, 14(61988), 20(62875)20 Stavanger;			
	311(6457)10 Norrkoping; NOR LL)			
43375	7Ed. 8/22/92 LAST NM 42/20			52/20
Change	Characteristic of buoy "2" to Fl G 2s	58°16'08"N	11°16'12"E	
	Period of buoy "1" to 2s	58°16'28"N	11°15'27"E	
	(621(11617)16 Norrkoping)			
44100	9Ed. 3/29/14 LAST NM N47/20			N52/20
Add	Fishing stakes symbol [K44.1] between	55°25.0'N	13°38.5'E	
		55°24.4'N	13°38.8'E	
	(673(12527)17 Norrkoping)			
51013	5Ed. 3/16/19 LAST NM 32/20			52/20
Add	Submarine cable [L30.1] joining	35°53.1'N	5°19.0'W	
		35°52.5'N	5°18.8'W	
		35°52.0'N	5°18.0'W	
		35°51.8'N	5°16.9'W	
		35°52.3'N	5°15.2'W	
		35°52.7'N	5°15.1'W	
		35°53.7'N	5°13.6'W	
		35°54.1'N	5°13.2'W	
		35°55.2'N	5°12.6'W	
		35°55.6'N	5°12.3'W	
		35°56.5'N	5°11.9'W	
		36°00.7'N	5°12.0'W	
		36°06.9'N	5°10.1'W	
		36°08.5'N	5°09.9'W	
		36°09.3'N	5°09.9'W	
		36°10.8'N	5°10.2'W	
		36°12.1'N	5°11.7'W	
		36°12.5'N	5°13.9'W	
		36°12.7'N	5°16.5'W	
		36°12.5'N	5°19.3'W	
	(43(332, 333, 340)20 Cadiz)			
51017	31Ed. 8/10/96 LAST NM 45/20			52/20
Add	Marine farm symbol [K48.2]	30°34.4'N	9°47.7'W	
	(44(155)20 Brest)			
51103	10Ed. 5/4/02 LAST NM 49/20			52/20
Delete	Depth 7.7 meters	42°15'23.8"N	8°47'04.7"W	
	Depth 6.1 meters St, blue tint and enclosing depth contour (10-meter) in vicinity	42°16'22.1"N	8°43'11.0"W	
Add	Depth 7.1 meters	42°15'24.1"N	8°47'06.3"W	
	Dangerous wreck [K28]	42°16'25.7"N	8°43'10.7"W	
	Depth 1.2 meters enclosed by depth contour (5-meter) centered	42°16'37.0"N	8°42'52.9"W	
	(47(5650)20 Taunton)			
51104	1Ed. 5/4/02 LAST NM 49/20			52/20
Delete	Depth 7.7 meters	42°15'24.3"N	8°47'05.4"W	
	Depth 6.6 meters	42°15'41.1"N	8°42'09.5"W	
	Depth 6.1 meters, blue tint and enclosing depth contour (10-meter) in vicinity	42°16'21.0"N	8°43'09.9"W	
Substitute	Dangerous wreck [K28] for depth 13.4 meters	42°16'25.7"N	8°43'10.7"W	
Add	Depth 7.1 meters	42°15'24.1"N	8°47'06.3"W	
	Depth 3.8 meters	42°15'40.8"N	8°42'10.7"W	
	and extend depth contour (5-meter) N to enclose			
Add	Depth 1.2 meters enclosed by depth contour (5-meter) centered	42°16'37.0"N	8°42'52.9"W	
	(47(5650)20 Taunton)			
51163	5Ed. 12/3/16 LAST NM N27/20			N52/20
Change	Shape of buoy "No 4" to can	36°45'00.1"N	6°25'29.8"W	
	Shape of buoy "No 2" to can	36°45'05.0"N	6°25'40.1"W	
	(45(348)20 Cadiz)			
51225	3Ed. 9/19/98 LAST NM 51/20			52/20
Add	Marine farm area [K48.1] bound by dashed line joining	30°34'26"N	9°48'53"W	
		30°34'57"N	9°48'19"W	
		30°34'30"N	9°47'46"W	
		30°34'00"N	9°48'20"W	
	Buoy Y, pillar, "X" topmark, Fl Y 5s	[Q130.6]		
		30°34'57"N	9°48'19"W	
	Buoy Y, pillar, "X" topmark, Fl Y 5s	[Q130.6]		
		30°34'00"N	9°48'20"W	
	Buoy Y, pillar, "X" topmark, Fl Y 5s	[Q130.6]		
		30°34'30"N	9°47'46"W	
	Buoy Y, pillar, "X" topmark, Fl Y 5s	[Q130.6]		
		30°34'26"N	9°48'53"W	
	(44(155)20 Brest; 43(331)20 Cadiz)			
51300	4Ed. 11/21/98 LAST NM 51/20			52/20
Add	Marine farm area [K48.1] with legend "(Buoyed)" bound by dashed line joining	30°34'58"N	9°48'19"W	
		30°34'30"N	9°47'46"W	
		30°33'59"N	9°48'20"W	
		30°34'26"N	9°48'53"W	
	(44(155)20 Brest)			
52039	6Ed. 4/20/19 LAST NM N49/20			N52/20
Add	Submarine cable [L30.1] joining	35°51'47"N	5°16'46"W	
		35°52'19"N	5°15'13"W	
		35°52'45"N	5°15'07"W	
		35°53'43"N	5°13'37"W	
		35°54'07"N	5°13'14"W	
		35°55'10"N	5°12'34"W	
		35°55'30"N	5°12'39"W	
		35°55'36"N	5°12'18"W	
		35°56'28"N	5°11'52"W	
		36°00'41"N	5°12'02"W	
		36°01'11"N	5°11'56"W	
		36°06'53"N	5°10'07"W	
		36°08'30"N	5°09'54"W	
		36°09'18"N	5°09'53"W	
		36°10'48"N	5°10'11"W	
		36°11'07"N	5°10'30"W	
		36°12'03"N	5°11'40"W	
		36°12'31"N	5°13'52"W	
		36°12'35"N	5°14'25"W	
	(See N49/20)			
	(43(332, 333, 340)20 Cadiz)			
52040	19Ed. 3/26/16 LAST NM N49/20			N52/20
Add	Submarine cable [L30.1] joining	35°53.2'N	5°19.0'W	
		35°52.5'N	5°18.8'W	
		35°52.0'N	5°18.0'W	
		35°51.8'N	5°16.9'W	
		35°52.3'N	5°15.2'W	
		35°52.7'N	5°15.1'W	
		35°53.7'N	5°13.6'W	
		35°54.1'N	5°13.2'W	
		35°55.2'N	5°12.6'W	
		35°55.6'N	5°12.3'W	
		35°56.5'N	5°11.9'W	
		36°00.7'N	5°12.0'W	
		36°06.9'N	5°10.1'W	
		36°08.5'N	5°09.9'W	
		36°09.3'N	5°09.9'W	
		36°10.8'N	5°10.2'W	
		36°12.1'N	5°11.7'W	
		36°12.6'N	5°14.4'W	
	(See N49/20)			
	(43(332, 333, 340)20 Cadiz)			
52170	3Ed. 7/8/95 LAST NM 40/20			52/20
Add	Stranded wreck [K24] (PA)	35°49.0'N	11°03.0'E	
	(6(682)15 Taunton)			

52172 2Ed. 8/12/95 LAST NM 12/17 52/20
 Add Stranded wreck [K24] (PA) 35°49'00"N 11°03'00"E
 (Plan)
 Delete Buoy 35°50'04.6"N 10°38'56.4"E
 (6(682)15, 4(454)20 Taunton)

52262 6Ed. 6/3/95 LAST NM 49/20 52/20
 Change Characteristic of light to Fl(2+1) W 10s 35°50'54.1"N 0°17'28.0"W
 (See 49/20)
 (16(2)20 Alger)

52263 5Ed. 7/29/95 LAST NM 43/20 52/20
 Change Light to Fl(2+1) W 10s 16m 12M 35°50'53"N 0°17'27"W
 Light to Fl G 5s 35°51'25"N 0°17'51"W
 Add Light Fl G to dolphin 35°50'48"N 0°17'26"W
 (16(2)20 Alger; 36(132)16 Brest; UKHO ARCS 838-0; FRA LL)

53081 10Ed. 7/21/12 LAST NM N49/20 N52/20
 Add Solid line (pier) [F14] between 43°07'05"N 5°55'10"E
 43°07'01"N 5°55'11"E
 Solid line (pier) [F14] joining 43°07'00"N 5°54'54"E
 43°06'55"N 5°54'58"E
 43°06'49"N 5°54'59"E
 (46(93)20 Brest)

53082 15Ed. 6/9/12 LAST NM N49/20 N52/20
 Delete Legend "Works in progress" 43°06'51.2"N 5°54'57.3"E
 Purple dashed line between 43°04'29.0"N 5°57'43.5"E
 43°04'34.4"N 5°57'33.8"E
 Depth 9.7 meters Obstn 43°07'02.8"N 5°55'12.4"E
 (See N46/19)
 Substitute Depth 10.2 meters Obstn [K41] for 43°07'01.3"N 5°55'14.1"E
 9.3 meters Obstn
 Add Double solid line with land tint (pier) [F14] 43°07'05.3"N 5°55'09.4"E
 between 43°07'00.6"N 5°55'10.8"E
 Double solid line with land tint (pier) [F14] 43°07'00.1"N 5°54'53.9"E
 joining 43°06'54.6"N 5°54'58.2"E
 43°06'48.6"N 5°54'58.8"E
 and delete all hydrography along above line
 Purple dashed line joining 43°04'34.4"N 5°57'33.8"E
 43°04'31.0"N 5°57'43.4"E
 43°04'29.0"N 5°57'43.5"E
 Purple dashed line joining 43°04'34.4"N 5°57'33.8"E
 43°05'00.5"N 5°57'32.0"E
 43°05'26.1"N 5°57'33.0"E
 (46(92, 93)20 Brest)

53084 7Ed. 5/11/13 LAST NM N46/20 N52/20
 Delete Legend "(May 1- Sept 30)" in vicinity 43°32'39"N 6°58'38"E
 Purple composite line (anchoring prohibited 43°32'21"N 7°00'35"E
 area limit) joining 43°32'36"N 6°59'51"E
 43°32'38"N 6°59'01"E
 43°32'27"N 6°58'16"E
 43°32'00"N 6°57'41"E
 43°32'08"N 6°57'17"E
 43°32'07"N 6°57'13"E
 Add Purple composite line (anchoring prohibited 43°32'21"N 7°00'35"E
 area limit) [N20] joining 43°32'14"N 7°00'30"E
 43°32'18"N 7°00'17"E
 43°32'24"N 7°00'19"E
 43°32'32"N 7°00'02"E
 43°32'35"N 6°59'02"E
 43°32'25"N 6°58'18"E
 43°32'00"N 6°57'40"E
 43°32'08"N 6°57'16"E
 43°32'07"N 6°57'13"E
 (47(86)20 Brest)

53085 7Ed. 1/8/11 LAST NM N46/20 N52/20
 Delete Anchoring prohibited symbol and legend
 "(May 1 - Sept 30)" in vicinity 43°32'29.9"N 6°58'06.0"E
 Anchoring prohibited symbol and legend
 "(May 1 - Sept 30)" in vicinity 43°32'43.5"N 7°00'26.1"E
 Anchoring prohibited symbol and legend
 "(May 1 - Sept 30)" in vicinity 43°32'43.5"N 6°59'03.9"E
 Purple composite line (anchoring prohibited 43°32'21.1"N 7°00'34.6"E
 area limit) joining 43°32'36.5"N 7°00'00.1"E
 43°32'38.3"N 6°59'00.0"E
 43°32'27.5"N 6°58'15.1"E
 43°31'59.8"N 6°57'40.3"E
 43°32'07.8"N 6°57'16.2"E
 Anchorage area in vicinity 43°31'48.6"N 7°00'38.7"E
 Anchorage area in vicinity 43°31'51.2"N 7°01'19.5"E
 Anchorage area in vicinity 43°32'15.7"N 7°00'57.0"E
 Anchorage area and legend "Ferry" in vicinity 43°32'14.4"N 7°00'57.6"E
 Relocate Radio tower symbol and legend "(109)" from 43°33'52.0"N 7°07'56.9"E to 43°33'53.3"N 7°07'59.2"E
 Add Purple composite line (anchoring prohibited 43°32'21.1"N 7°00'34.6"E
 area limit) [N20] joining 43°32'13.8"N 7°00'29.9"E
 43°32'18.5"N 7°00'17.3"E
 43°32'23.6"N 7°00'19.1"E
 43°32'32.3"N 7°00'01.7"E
 43°32'34.7"N 6°59'02.3"E
 43°32'24.7"N 6°58'17.9"E
 43°31'59.8"N 6°57'40.4"E
 43°32'07.8"N 6°57'16.2"E
 (47(86)20 Brest)

53279 4Ed. 6/17/06 LAST NM 33/20 52/20
 Add Chartlet from Subsection I-2 41°12'42.0"N 9°26'00.0"E
 (ITA CH 281)

54380 7Ed. 12/15/12 LAST NM N51/20 N52/20
 Delete "Spoil Ground" area in vicinity 38°25.9'N 26°49.5'E
 (45(152)20 Istanbul)

54387 8Ed. 4/30/16 LAST NM N49/20 N52/20
 Delete "Spoil Ground" area in vicinity 38°26'09"N 26°49'22"E
 (45(152)20 Istanbul)

54482 1Ed. 9/27/14 LAST NM N51/20 N52/20
 Delete Depth contour (10-meter) between 36°35'58.4"N 36°11'28.4"E
 36°35'57.4"N 36°11'28.3"E
 Depth contour (10-meter) in vicinity 36°35'54.9"N 36°11'27.6"E
 Depth contour (5-meter) and blue tint between 36°35'54.2"N 36°11'30.6"E
 36°35'47.9"N 36°11'26.6"E
 and delete all hydrography within above depth contour
 Depth contour (10-meter) and blue tint joining 36°35'54.7"N 36°11'30.5"E
 36°35'49.3"N 36°11'20.7"E
 36°35'40.6"N 36°11'22.3"E
 and delete all hydrography within above depth contour
 Depth contour (10-meter) and blue tint between 36°35'43.4"N 36°11'10.9"E
 36°35'41.4"N 36°11'19.0"E
 Add Unsurveyed area [I25] bound by shore and 36°35'39.1"N 36°11'07.2"E
 dashed line joining 36°35'43.4"N 36°11'10.9"E
 36°35'40.3"N 36°11'23.4"E
 and delete all hydrography within above area
 Depth contour (10-meter) and blue tint joining 36°35'52.3"N 36°11'28.6"E
 36°35'57.2"N 36°11'16.0"E
 36°35'59.5"N 36°11'16.5"E
 36°35'58.4"N 36°11'28.4"E
 Depth contour (5-meter) between 36°35'54.2"N 36°11'30.6"E
 36°35'52.1"N 36°11'29.2"E
 and add blue tint E of above depth contour
 (40(132)20 Istanbul)

SECTION I

NM 52/20

55001	(INT 310)	4Ed. 1/21/95	LAST NM 47/20	52/20			
Change	Light to Iso W 16M HORN Racon (TD)				46°19.5'N 31°30.6'E		
	(35(606)20 Kyiv; UKHO ARCS 2212-0)						
55049		7Ed. 3/16/13	LAST NM N51/20	N52/20			
	(Panel A)						
Add	Land tint to area bound by shore and solid line [F13] joining				40°46'32.6"N 29°42'22.3"E 40°46'27.7"N 29°42'23.2"E 40°46'27.9"N 29°42'27.7"E		
	and delete all hydrography within above area						
	Double solid line with land tint (pier extension) [F14] between				40°46'22.7"N 29°42'38.1"E 40°46'19.5"N 29°42'34.0"E		
	Land tint to area bound by breakwater, shore and solid line [F13] joining				40°46'21.8"N 29°42'55.9"E 40°46'17.9"N 29°42'55.9"E 40°46'16.0"N 29°43'04.9"E		
	and delete all hydrography within above area						
	Light Fl(2+1) G 12s 12m 2M				40°46'19.5"N 29°42'34.0"E		
	Light Fl(2+1) R 12s 12m 2M				40°46'27.7"N 29°42'23.2"E		
	(44(148)20 Istanbul; UKHO LL)						
55085		9Ed. 9/21/96	LAST NM 31/20	52/20			
Change	Light to Iso W 6s 29m 16M HORN Racon (TD)				46°19.3'N 31°30.8'E		
	(35(606)20 Kyiv; UKHO ARCS 2212-0)						
55100		8Ed. 1/23/99	LAST NM 41/20	52/20			
Change	Light to Iso W 16M HORN Racon (TD)				46°19.2'N 31°30.8'E		
	(35(606)20 Kyiv; UKHO ARCS 2212-0)						
55102		1Ed. 5/23/20	LAST NM N41/20	N52/20			
Add	Pile [F22]				44°37'15.2"N 33°34'32.8"E		
	(42(3839)20 St. Petersburg)						
55130		2Ed. 2/8/97	LAST NM 47/20	52/20			
Change	Light to Iso W 6s 29m 16M HORN Racon (TD)				46°19.3'N 31°30.8'E		
	(35(606)20 Kyiv; UKHO ARCS 2212-0)						
57035		10Ed. 5/3/97	LAST NM 21/19	52/20			
Add	Wreck [K29]				34°53.8'S 18°34.3'E		
	(12(74)17 Cape Town)						
57163		4Ed. 5/1/10	LAST NM N51/20	N52/20			
Add	Platform (lighted) [L10]				4°33'55.8"N 8°24'50.4"E		
	(32(3702)18 Taunton)						
57165		1Ed. 8/25/90	LAST NM 51/20	52/20			
Add	Platform (lighted) "Oron" [L2]				4°24'38"N 8°17'24"E		
	Platform (lighted) "EBNE" [L2]				4°18'01"N 8°21'52"E		
	Platform (lighted) [L10]				4°33'56"N 8°24'50"E		
	(10(1089)04, 32(3702)18 Taunton; UKHO ARCS 3433-0)						
57480		9Ed. 10/23/10	LAST NM 16/18	52/20			
Add	Wreck [K29]				34°53.8'S 18°34.3'E		
	(12(74)17 Cape Town)						
61000		21Ed. 4/12/14	LAST NM 21/17	52/20			
Add	Wreck [K29]				34°53.8'S 18°34.3'E		
	(12(74)17 Cape Town)						
61040		7Ed. 11/13/10	LAST NM 16/18	52/20			
Add	Wreck [K29]				34°53.8'S 18°34.3'E		
	(12(74)17 Cape Town)						
62028		16Ed. 1/16/16	LAST NM 49/20	52/20			
Add	Buoy Y, conical with legend "Rep (2016)"				22°56.0'N 64°24.2'E		
	(35(4464)16 Taunton)						
62032		18Ed. 9/28/19	LAST NM 49/20	52/20			
Delete	Platform				27°38.1'N 51°31.5'E		
	Substitute						
	Depth 3.9 meters Well [L21.2] for suspended well				24°32.5'N 52°47.4'E		
	Add						
	Depth 17.7 meters Obstn [K41]				27°38.5'N 51°31.5'E		
	(3/20 Tehran; 20(2174)17, 17(2091)20 Taunton)						
62033		5Ed. 9/28/19	LAST NM N49/20	N52/20			
Delete	Platform				27°38.1'N 51°31.5'E		
	Substitute						
	Depth 3.9 meters Well [L21.2] for suspended well				24°32.5'N 52°47.4'E		
	Add						
	Depth 17.7 meters Obstn [K41]				27°38.5'N 51°31.5'E		
	(3/20 Tehran; 20(2174)17, 17(2091)20 Taunton)						
62120		6Ed. 11/21/98	LAST NM 40/20	52/20			
Add	Depth 10.8 meters enclosed by depth contour (20-meter) centered				16°43'47"N 39°48'12"E		
	Depth 16.2 meters and extend depth contour (20-meter) N to enclose				16°44'29"N 39°46'46"E		
	(23(2734)05 Taunton; UKHO ARCS 164-0)						
62400		18Ed. 11/29/14	LAST NM N46/20	N52/20			
Change	Legend "The World...NOTE" to "The World Project Works in progress (2019) SEE NOTE"				25°14.6'N 55°10.3'E		
	(UKHO ARCS 2889-0)						
62401		10Ed. 5/30/15	LAST NM N49/20	N52/20			
Delete	Suspended well (PA)				24°32'41"N 52°48'03"E		
	Position circle "Well"				24°35'21"N 52°53'56"E		
	Substitute						
	Depth 2.9 meters Well [L21.2] for danger circle "Obstn"				24°34'35"N 52°55'57"E		
	Add						
	Depth 3.9 meters Well [L21.2]				24°32'31"N 52°47'21"E		
	Depth 12.1 meters Well [L21.2]				24°31'16"N 52°55'03"E		
	Position circle "Well" (1.1) [L23]				24°35'20"N 52°54'01"E		
	(20(2174)17 Taunton)						
62404		5Ed. 3/31/18	LAST NM N50/20	N52/20			
Delete	Depth 5.8 meters				24°19'37"N 52°42'32"E		
	Approximate depth contour (5-meter) in vicinity				24°19'35"N 52°43'39"E		
	Approximate depth contour (5-meter) in vicinity				24°20'52"N 52°43'13"E		
	Depth contour (10-meter) between				24°19'47"N 52°42'37"E 24°20'00"N 52°42'30"E		
	and add blue tint E of above depth contour						
	Dotted line between				24°20'08"N 52°43'05"E 24°19'51"N 52°43'07"E		
	Dotted line between				24°19'41"N 52°42'37"E 24°19'20"N 52°42'34"E		
	Dotted line between				24°19'40"N 52°43'21"E 24°19'38"N 52°43'16"E		
	Dotted line joining				24°20'00"N 52°42'36"E 24°20'16"N 52°42'32"E 24°20'22"N 52°42'55"E		
	Relocate						
	Buoy "Yas 1" from 24°21'47"N 52°39'37"E to				24°21'55"N 52°39'32"E		
	Buoy "Yas 2" from 24°21'50"N 52°39'46"E to				24°22'00"N 52°39'41"E		
	Change						
	Legend to "Dredged to 15.0m (2019)"				24°19'09"N 52°41'47"E		
	Legend to "Dredged to 15.0m (2019)"				24°20'59"N 52°41'12"E		
	Legend to "15.0m (2019)"				24°23'33"N 52°38'23"E		
	Add						
	Dotted line (limiting danger line) [K1] joining				24°19'41"N 52°42'37"E 24°19'42"N 52°42'29"E 24°19'38"N 52°42'27"E 24°19'35"N 52°42'30"E 24°19'29"N 52°42'32"E 24°19'23"N 52°42'29"E 24°19'20"N 52°42'34"E		
	and add blue tint to area bound by above line						

(continued on next page)

- 62404** (Continued)
- Add Dotted line (limiting danger line) [K1] joining
 24°19'38"N 52°43'16"E
 24°19'48"N 52°43'12"E
 24°19'49"N 52°43'18"E
 24°19'40"N 52°43'21"E
 and add blue tint to area bound by above line
- Dotted line (limiting danger line) [K1] joining
 24°20'08"N 52°43'05"E
 24°19'55"N 52°43'10"E
 24°19'51"N 52°43'07"E
- Dotted line (limiting danger line) [K1] joining
 24°20'00"N 52°42'36"E
 24°20'03"N 52°42'33"E
 24°20'19"N 52°42'30"E
 24°20'22"N 52°42'55"E
- Danger area with blue tint bound by dotted line (limiting danger line) [K1] joining
 24°19'43"N 52°43'34"E
 24°19'44"N 52°43'37"E
 24°19'27"N 52°43'48"E
 24°19'19"N 52°43'59"E
 24°19'17"N 52°43'58"E
 24°19'20"N 52°43'50"E
 24°19'29"N 52°43'39"E
- Danger area with blue tint bound by dotted line (limiting danger line) [K1] joining
 24°20'14"N 52°43'32"E
 24°20'14"N 52°43'36"E
 24°20'05"N 52°43'40"E
 24°19'59"N 52°43'32"E
 24°19'48"N 52°43'33"E
 24°19'48"N 52°43'24"E
 24°19'58"N 52°43'20"E
 24°20'07"N 52°43'29"E
 24°20'07"N 52°43'29"E
- Danger area with blue tint bound by dotted line (limiting danger line) [K1] joining
 24°21'04"N 52°43'16"E
 24°20'59"N 52°43'21"E
 24°20'48"N 52°43'17"E
 24°20'39"N 52°43'09"E
 24°20'22"N 52°43'17"E
 24°20'21"N 52°43'07"E
 24°20'34"N 52°42'51"E
 24°20'40"N 52°42'52"E
 24°20'43"N 52°43'02"E
 24°20'59"N 52°43'06"E
- Radio reporting point symbol [M40.1] with direction pointer 314° 24°22'40"N 52°39'26"E
 Radio reporting point symbol [M40.1] with direction pointer 144° 24°22'37"N 52°39'08"E
 Radio reporting point symbol [M40.1] with direction pointer 125° 24°24'31"N 52°36'30"E
 Radio reporting point symbol [M40.1] with direction pointer 305° 24°24'43"N 52°36'39"E
 (UKHO ARCS 3779-0)
- 62405** 9Ed. 4/19/14 LAST NM N48/20 N52/20
 Change Legend "The World...NOTE" to "The World Project Works in progress (2019) SEE NOTE"
 25°14'17.4"N 55°08'52.3"E
 (UKHO ARCS 2889-0)
- 62434** 12Ed. 3/16/13 LAST NM N37/20 N52/20
 Delete Buoy "ST 1" 29°43.50'N 48°27.70'E
 (47(5630)20 Taunton)
- 62437** 12Ed. 8/11/07 LAST NM 43/17 52/20
 Delete Buoy "ST 2" 29°55'00"N 48°02'00"E
 (47(5630)20 Taunton)
- 62440** 9Ed. 1/24/15 LAST NM N50/20 N52/20
 Delete Buoy 24°22.1'N 52°39.4'E
 Buoy 24°15.9'N 52°38.3'E
 Suspended well (PA) 24°32.7'N 52°48.1'E
- Substitute Depth 2.9 meters Well [L21.2] for danger circle "Obstn" 24°34.6'N 52°56.0'E
 Position circle "Well" (1.1) [L23] for position circle "Pipe" 24°35.3'N 52°54.0'E
- Add Depth 3.9 meters Well [L21.2] 24°32.5'N 52°47.4'E
 Depth 12.1 meters Well [L21.2] 24°31.3'N 52°55.1'E
 (20(2174)17 Taunton; UKHO ARCS 3778-0, 3779-0)
- 62442** 7Ed. 5/4/13 LAST NM N52/18 N52/20
 Substitute Depth 6.6 meters for 9.3 meters 30°25'22.2"N 49°04'09.6"E
 (47(5596)20 Taunton)
- 62459** 3Ed. 8/30/14 LAST NM N49/20 N52/20
 Delete Buoy 24°22'04"N 52°39'25"E
 Buoy 24°15'57"N 52°38'20"E
 (UKHO ARCS 3778-0, 3779-0)
- 62460** 5Ed. 10/29/11 LAST NM 49/20 52/20
 Delete Buoy 26°32'49"N 54°57'58"E
 Stranded wreck 26°32'30"N 54°57'52"E
- Change Light to Fl W 5s 12M 26°07'06"N 54°26'43"E
- Add Depth 3.7 meters 26°30'38"N 55°17'35"E
 Dangerous wreck (Masts) [K25] marked by beacon BRB, double ball topmark, Fl(2) W 6s [Q130.4] 26°32'11"N 54°57'48"E
 (27(2969)12, 47(5502)17 Taunton; UKHO ARCS 2441-0)
- 62480** 4Ed. 8/10/19 LAST NM 49/20 52/20
 Delete Platform 27°38.1'N 51°31.5'E
- Substitute Depth 3.9 meters Well [L21.2] for suspended well 24°32.5'N 52°47.4'E
- Add Depth 17.7 meters Obstn [K41] 27°38.5'N 51°31.5'E
 (3/20 Tehran; 20(2174)17, 17(2091)20 Taunton)
- 62490** 4Ed. 8/10/19 LAST NM 49/20 52/20
 Delete Platform 27°38.1'N 51°31.5'E
- Add Depth 17.7 meters Obstn [K41] 27°38.5'N 51°31.5'E
 (3/20 Tehran; 17(2091)20 Taunton)
- 62512** 4Ed. 5/3/14 LAST NM N49/20 N52/20
 Substitute Dangerous wreck (Masts) [K25] for stranded wreck 26°32.3'N 54°58.1'E
 Beacon BRB, double ball topmark, Fl(2) W 6s [Q130.4] for buoy 26°32.3'N 54°57.5'E
- Change Legend "The World...NO 2" to "The World Project WORKS IN PROGRESS (2019) NOTE NO 2" 25°13.9'N 55°04.6'E
 Light to Fl W 5s 12M 26°07.1'N 54°26.7'E
 (47(5502)17 Taunton; UKHO ARCS 2441-0, 2889-0)
- 62521** 5Ed. 5/31/14 LAST NM N49/20 N52/20
 Delete Buoy 27°38.1'N 51°30.7'E
 Platform 27°38.1'N 51°31.5'E
- Substitute Depth 2.9 meters Well [L21.2] for danger circle "Obstn" 24°34.6'N 52°56.0'E
 Position circle "Well" [L21.1] for position circle "Pipe" 24°35.3'N 52°54.0'E
- Add Depth 17.7 meters Obstn [K41] 27°38.5'N 51°31.5'E
 (3/20 Tehran; 20(2174)17, 17(2091), 22(2634)20 Taunton)
- 62531** 6Ed. 7/16/16 LAST NM N35/20 N52/20
 Delete Buoy 27°38.1'N 51°30.7'E
 Platform 27°38.1'N 51°31.5'E
- Add Depth 17.7 meters Obstn [K41] 27°38.5'N 51°31.5'E
 (3/20 Tehran; 17(2091), 22(2634)20 Taunton)
- 63000** 14Ed. 11/7/15 LAST NM 40/20 52/20
 Add Buoy Y, conical with legend "Rep (2016)" 22°56.0'N 64°24.2'E
 (35(4464)16 Taunton)
- 71185** 26Ed. 1/18/20 LAST NM N49/20 N52/20
 Relocate Beacon from 6°04'07"S 106°51'19"E to 6°04'06"S 106°51'23"E
- Add Buoy (mooring) [Q40] 6°04'38"S 106°52'10"E
 (45(548), 46(558)20 Jakarta)

71186	4Ed. 1/18/20	LAST NM N49/20	N52/20	Substitute	Depth 22 meters for 27.5 meters	22°24'47.3"S	166°56'39.0"E
	Relocate	Beacon from 6°04'06.9"S	106°51'18.1"E to		and extend depth contour (30-meter) NW to		
			6°04'06.2"S		enclose		
	Add	Buoy (mooring) [Q40]	6°04'38.3"S		Depth 0.5 meter for 2.2 meters	22°26'58.7"S	166°51'51.1"E
		(45(548), 46(558)20 Jakarta)	106°52'09.5"E				
72231	9Ed. 9/4/10	LAST NM N50/20	N52/20	Change	Caution No. 3 of CAUTIONS note to		
	Substitute	Depth 13.8 meters Wk [K26] for	7°11'13"S		"3. Nature reserves have been established to		
		dangerous wreck	112°43'45"E		conserve the marine environment. Various		
		Depth 14.1 meters Wk [K26] for	7°11'00"S		restrictions and prohibitions apply in these		
		dangerous wreck	112°43'10"E		reserves including no fishing, catching, picking		
		Depth 6.2 meters Wk [K26] for	7°11'00"S		up or gathering any animals or minerals. For		
		dangerous wreck	112°42'54"E		further information see Sailing Directions."	22°19'09.3"S	166°53'01.8"E
		(See N28, N40/19)					
	Add	Depth 13.3 meters Wk [K26]	7°11'27"S		Beacon Y, "X" topmark [Q130.6]	22°19'51.3"S	166°49'44.4"E
		Depth 21.5 meters Wk [K26]	7°11'17"S		Beacon Y, "X" topmark [Q130.6]	22°19'36.5"S	166°50'25.2"E
		Depth 18.3 meters Wk [K26]	7°11'44"S		Beacon Y, "X" topmark [Q130.6]	22°21'48.1"S	166°51'11.8"E
			112°42'52"E		Beacon Y, "X" topmark [Q130.6]	22°21'41.9"S	166°49'58.6"E
		Depth 7.5 meters Wk [K26]	7°10'53"S		Beacon Y, "X" topmark [Q130.6]	22°18'46.7"S	166°50'22.8"E
		Depth 17 meters Wk [K26]	7°11'16"S		Nature reserve area [N22] bound by shore and		
		(44(538), 45(549-552), 46(560), 47(577, 578)20 Jakarta)	112°43'52"E		purple composite line joining	22°19'36.5"S	166°50'25.2"E
						22°21'48.1"S	166°51'11.8"E
						22°21'41.9"S	166°49'58.6"E
						22°18'46.7"S	166°50'22.8"E
						22°19'51.3"S	166°49'44.4"E
72234	3Ed. 8/14/10	LAST NM N50/20	N52/20	Legend "Nature Reserve CAUTION NO 3"		22°20'29.7"S	166°49'55.0"E
	Delete	Dangerous wreck	7°11'13.7"S		Beacon BRB, double ball topmark [Q130.4]	22°19'39.8"S	166°50'01.7"E
		Dangerous wreck	7°11'16.1"S		Beacon Y, "X" topmark [Q130.6]	22°18'05.5"S	166°35'46.4"E
		Buoy (mooring)	7°10'56.7"S		Beacon Y, "X" topmark [Q130.6]	22°17'29.2"S	166°34'23.8"E
		Depth 6.2 meters, blue tint, and enclosing depth	7°11'12.8"S		Beacon Y, "X" topmark [Q130.6]	22°18'32.5"S	166°34'22.5"E
		contour (10-meter) in vicinity	112°43'45.1"E		Beacon Y, "X" topmark [Q130.6]	22°18'08.1"S	166°34'00.0"E
	Substitute	Depth 21.5 meters Wk [K26] for	7°11'16.8"S		Nature reserve area [N22] bound by purple		
		dangerous wreck	112°43'42.4"E		composite line joining	22°18'08.1"S	166°34'00.0"E
		Depth 14.1 meters Wk [K26] for	7°11'00.4"S			22°17'29.2"S	166°34'23.8"E
		dangerous wreck	112°43'10.3"E			22°18'05.5"S	166°35'46.4"E
	Add	Depth 13.3 meters Wk [K26]	7°11'26.7"S			22°18'32.5"S	166°34'22.5"E
		Depth 18.3 meters Wk [K26]	7°11'44.1"S			22°18'08.1"S	166°34'00.0"E
		Depth 13.8 meters Wk [K26]	7°11'13.4"S			22°17'29.2"S	166°34'23.8"E
		Depth 7.5 meters Wk [K26]	7°10'52.7"S			22°18'05.5"S	166°35'46.4"E
			112°43'20.3"E			22°18'32.5"S	166°34'22.5"E
		Depth 17 meters Wk [K26]	7°11'15.5"S			22°18'08.1"S	166°34'00.0"E
		Depth 6.2 meters Wk [K26]	7°11'00.4"S			22°17'29.2"S	166°34'23.8"E
		Buoy (mooring) [Q40]	7°11'54.1"S			22°18'05.5"S	166°35'46.4"E
		(44(538), 45(549-552), 46(559, 560), 47(576-578)20 Jakarta;	112°42'53.8"E			22°18'32.5"S	166°34'22.5"E
		IDN CH 84)				22°18'29.0"S	166°34'50.2"E
*81067	9Ed. 2/09	LAST NM 44/19	52/20	Submarine pipeline [L41.1] joining		22°20'49.7"S	166°53'23.4"E
	Add	Buoy "C Fad-1" Y, QY (Priv) [Q130.6]	14°58'04"N			22°21'01.1"S	166°53'15.0"E
		(USCG LL)	145°33'59"E			22°21'55.1"S	166°52'57.3"E
						22°22'23.9"S	166°52'57.6"E
82683	4Ed. 3/14/98	LAST NM 44/20	52/20			22°22'58.0"S	166°53'06.0"E
	Delete	Pilot station symbol	22°20.2'S			22°23'40.9"S	166°52'39.9"E
		(FRA CH 6933)	167°05.7'E			22°23'55.9"S	166°52'44.6"E
						22°23'58.6"S	166°53'00.9"E
82689	4Ed. 10/10/15	LAST NM N47/20	N52/20			22°23'49.8"S	166°53'37.1"E
	Delete	Purple composite line (nature reserve area	22°17'35"S			22°23'45.6"S	166°55'36.8"E
		limit) joining	166°34'25"E			22°23'10.0"S	166°56'24.4"E
			22°18'15"S			22°22'41.2"S	166°56'43.8"E
			166°35'17"E			22°22'18.1"S	166°57'52.3"E
			22°18'38"S			22°21'39.9"S	166°59'17.2"E
	Relocate	Beacon from 22°18'15"S	166°35'17"E			22°22'15.1"S	166°59'49.3"E
		to	22°18'11"S				
			166°35'47"E		Submarine cable [L30.1] between	22°21'10.7"S	166°59'16.2"E
	Add	Purple composite line (nature reserve area	22°17'35"S			22°21'50.9"S	166°59'28.8"E
		limit) [N22] joining	166°34'25"E				
			22°18'11"S				
			166°35'47"E				
			22°18'38"S				
			166°34'23"E				
		(26(203)18 Brest)					
82694	6Ed. 9/5/98	LAST NM 51/20	52/20	Depth 30 meters enclosed by depth contour		22°28'40.7"S	166°57'46.2"E
	Delete	Purple composite line joining	22°35'44.7"S		Depth 19.3 meters, blue tint and enclosing		
			166°34'00.0"E		depth contour (20-meter) centered	22°21'49.1"S	166°58'46.2"E
			22°38'46.0"S			22°21'16.0"S	166°59'09.5"E
			166°38'10.0"E			22°21'25.5"S	166°59'02.1"E
			22°40'14.6"S				
			166°36'42.3"E				
			22°38'19.1"S				
			166°34'00.0"E				
		Legend "Nature Reserve Area	22°39'16.0"S				
		CAUTION NO 3"	166°36'00.0"E				
		Legend "Nature Reserve Area"	22°37'15.0"S				
			166°35'15.5"E				
		Depth 52 meters	22°28'36.9"S				
		Depth 36 meters	22°21'24.4"S				
		Depth 20.5 meters and enclosing depth contour	22°21'49.4"S				
		(30-meter) in vicinity	166°58'48.0"E				

82697 6Ed. 9/5/98 LAST NM 51/20 52/20
 Delete Depth 52 meters 22°28'41.2"S 166°57'49.7"E
 Depth 36 meters 22°21'28.0"S 166°59'13.6"E
 Depth 20.5 meters and enclosing depth contour (30-meter) in vicinity 22°21'51.9"S 166°58'45.7"E
 Buoy 22°21'29.9"S 166°58'10.1"E
 Buoy 22°21'25.3"S 166°58'15.9"E
 Substitute Depth 22 meters for 27.5 meters 22°24'52.8"S 166°56'39.6"E
 Note: Depth contour (30-meter) remains
 Depth 0.5 meter for 2.2 meters 22°27'04.2"S 166°51'51.7"E
 Add Beacon Y, "X" topmark [Q130.6] 22°21'47.4"S 166°49'59.2"E
 Beacon Y, "X" topmark [Q130.6] 22°19'56.4"S 166°49'45.0"E
 Beacon Y, "X" topmark [Q130.6] 22°19'42.0"S 166°50'25.8"E
 Beacon Y, "X" topmark [Q130.6] 22°21'53.6"S 166°51'12.4"E
 Buoy Y, can, "X" topmark, Fl Y 5s [Q130.6] 22°21'16.2"S 166°59'16.8"E
 Nature reserve area [N22] bound by shore and purple composite line joining 22°19'43.5"S 166°50'26.8"E
 22°21'53.6"S 166°51'12.4"E
 22°21'47.4"S 166°49'59.2"E
 Note: Area extends beyond chart border
 Legend "Nature Reserve (see Note)" 22°20'47.2"S 166°50'09.1"E
 Purple composite line (nature reserve area limit) [N22] between 22°19'56.4"S 166°49'45.0"E
 22°19'02.0"S 166°50'17.8"E
 Note in center right margin of chart "NATURE RESERVE
 Nature reserves have been established to conserve the marine environment. Various restrictions and prohibitions apply in these reserves including no fishing, catching, picking up or gathering any animals or minerals. For further information see Sailing Directions."
 Beacon BRB, double ball topmark [Q130.4] 22°19'45.3"S 166°50'02.3"E
 Submarine pipeline [L41.1] joining 22°20'55.2"S 166°53'24.0"E
 22°21'06.6"S 166°53'15.6"E
 22°22'00.6"S 166°52'57.9"E
 22°22'29.4"S 166°52'58.2"E
 22°23'03.5"S 166°53'06.6"E
 22°23'46.4"S 166°52'40.5"E
 22°24'01.4"S 166°52'45.2"E
 22°24'04.1"S 166°53'01.5"E
 22°23'55.3"S 166°53'37.7"E
 22°23'51.1"S 166°55'37.4"E
 22°23'15.5"S 166°56'25.0"E
 22°22'46.7"S 166°56'44.4"E
 22°22'23.6"S 166°57'52.9"E
 22°21'45.4"S 166°59'17.8"E
 22°22'20.6"S 166°59'49.9"E
 Submarine cable [L30.1] between 22°21'16.2"S 166°59'16.8"E
 22°21'56.4"S 166°59'29.4"E
 Depth 30 meters enclosed by depth contour (30-meter) centered 22°28'46.2"S 166°57'46.8"E
 Depth 19.3 meters, blue tint and enclosing depth contour (20-meter) centered 22°21'54.6"S 166°58'46.8"E
 Depth 30.5 meters 22°21'21.5"S 166°59'10.1"E
 Depth 29.5 meters 22°21'30.0"S 166°59'02.7"E and extend depth contour (30-meter) SE to enclose
 Light Fl R 2.5s 4M to beacon 22°21'27.6"S 166°58'03.7"E
 Beacon G, cone topmark, Fl G 2.5s 4M 22°21'22.9"S 166°58'13.7"E
 (49(43)03, 49(52)05, 28(63)06, 45(59)09, 42(65)10, 5(204, 205)14, 24(206)15, 30(222)19 Brest; FRA CH 6827, 6933, 7645)

91010 6Ed. 9/2/95 LAST NM 49/20 52/20
 Delete Depth 26 meters "Rep (1998)" 24°01.3'N 123°35.5'E
 (45(4992)07 Taunton)

★93049 2Ed. 11/7/20 NEW EDITION N52/20 (NGA)

93113 3Ed. 8/30/08 LAST NM N50/20 N52/20
 Add Range line extending in 143.3° direction from light 4°00'01"N 103°25'25"E
 dashed for 700 meters, thence solid for 6000 meters
 Legend "323.3°" along above range line 3°57'53"N 103°27'03"E
 (6(129)18, 4(101)19, 9(149)20 Port Klang)

93117 3Ed. 10/15/05 LAST NM 50/20 52/20
 Add Range line between 3°59'39.0"N 103°25'40.9"E
 3°57'10.2"N 103°27'32.2"E
 Legend "Dir Oc WRG 5s 323.3°" along above range line 3°57'28.6"N 103°27'20.1"E
 (See 9/20)
 (6(129)18, 4(101)19, 9(149)20 Port Klang)

94120 7Ed. 3/10/07 LAST NM 51/20 52/20
 Delete Depth 38 meters 23°59.2'N 121°38.3'E
 Substitute Depth 13.9 meters for 25 meters and extend depth contour (20-meter) and blue tint NE to enclose 24°01.9'N 121°39.2'E
 Add Depth 12.5 meters, blue tint and enclosing depth contour (20-meter) centered 23°58.8'N 121°38.3'E
 (37(4711)19 Taunton; TWN CH 351)

94122 8Ed. 6/27/09 LAST NM N51/20 N52/20
 Delete Depth 3.6 meters 24°36'24.6"N 121°53'24.3"E
 Depth 2.4 meters 24°36'23.6"N 121°53'23.9"E
 Note: Blue tint and depth contour (5-meter) remain
 Substitute Depth 1.7 meters enclosed by depth contour (2-meter) for 4.2 meters 24°36'23.6"N 121°53'25.2"E

(Plan B)
 Delete Pilot station symbol 23°57'41.0"N 121°37'11.0"E
 Depth 20.2 meters 23°58'47.3"N 121°38'18.6"E
 Depth 11.5 meters 23°59'10.0"N 121°37'56.9"E
 Buoy 23°58'12.8"N 121°37'13.4"E
 Buoy 23°58'09.7"N 121°37'14.1"E

Substitute Depth 11.2 meters for 12.6 meters 23°58'50.0"N 121°37'26.4"E
 Depth 9.8 meters enclosed by depth contour (10-meter) for 11.5 meters 23°58'55.8"N 121°37'35.3"E
 Depth 8.4 meters for 9.1 meters 23°59'03.4"N 121°38'26.2"E

Add Depth 12.5 meters enclosed by depth contour (20-meter) centered 23°58'46.6"N 121°38'18.9"E
 Depth 10.5 meters 23°59'11.1"N 121°37'57.3"E

(Plan C)
 Substitute Depth 1.7 meters enclosed by depth contour (2-meter) for 2.4 meters 24°36'24"N 121°53'25"E

(Plan D)
 Delete Topmark from buoy 24°02'06"N 121°37'56"E
 Depth 18.6 meters 23°58'52"N 121°38'14"E

Substitute Depth 13.9 meters for 16.7 meters 24°01'56"N 121°39'12"E
 Depth 8.4 meters for 9.1 meters 23°59'03"N 121°38'26"E

Add Depth 12.5 meters 23°58'47"N 121°38'19"E and extend depth contour (20-meter) SE to enclose
 (36(3845)13, 37(4711), 38(4759)19 Taunton; TWN CH 351, 351A)

95155 1Ed. 7/7/18 LAST NM N50/20 N52/20
 Delete V-AIS 35°04'27.7"N 128°47'49.1"E
 V-AIS 35°04'27.9"N 128°47'51.5"E
 Obstruction area and blue tint in vicinity 35°04'27.7"N 128°47'49.5"E
 (See N31, N41/20)
 (47(1012)20 Busan)

SECTION I

NM 52/20

95339	2Ed. 5/5/16	LAST NM N34/20	N52/20		
Delete	Depth 9.3 meters, blue tint and enclosing depth contour (10-meter) in vicinity		33°55'52.1"N 130°49'28.3"E		
Substitute	Depth 9.9 meters for 9.5 meters		33°55'53.4"N 130°49'29.9"E		
	Note: Blue tint and depth contour (10-meter) remains				
Change	Legend to "Dredged to 10m (1973-2018)"		33°55'57.0"N 130°50'27.0"E		
Add	Depth 9.7 meters, blue tint and enclosing depth contour (10-meter) centered		33°55'52.4"N 130°49'26.4"E		
	(34(487)16, 29(517)18 Tokyo)				
96042	12Ed. 5/9/15	LAST NM N18/20	N52/20		
Add	Buoy (mooring) [Q40]		43°06'37.6"N 131°53'24.1"E		
	(41(3752)20 St. Petersburg)				
96043	9Ed. 8/18/18	LAST NM N45/20	N52/20		
Add	Marine farm area [K48.1] bound by dashed line joining		42°51'21"N 132°45'46"E 42°51'20"N 132°46'29"E 42°50'47"N 132°46'20"E 42°50'43"N 132°45'45"E		
	(43(3947)20 St. Petersburg)				
96927	1Ed. 1/15/15	LAST NM N48/20	N52/20		
Add	Chartlet A from Subsection I-2		41°47'42.0"N 140°42'00.0"E		
	Chartlet B from Subsection I-2		41°47'20.0"N 140°43'00.0"E		
	(39(719)20 Tokyo)				
97030	(INT 5310)	3Ed. 2/4/16	LAST NM N51/20	N52/20	
Substitute	Double dashed line with legend "Submerged Jetty" [Fb] for double solid line with land tint between		35°02'50.2"N 136°48'02.4"E 35°02'54.7"N 136°48'04.4"E		
	Double dashed line with legend "Submerged Jetty" [Fb] for double solid line with land tint between		35°02'54.6"N 136°48'28.2"E 35°02'54.6"N 136°48'34.5"E		
	Double dashed line with legend "Submerged Jetty" [Fb] for double solid line with land tint between		35°02'54.6"N 136°48'08.6"E 35°02'54.6"N 136°48'11.8"E		
	Double dashed line with legend "Submerged Jetty" [Fb] for double solid line with land tint between		35°02'54.7"N 136°48'14.3"E 35°02'54.7"N 136°48'17.5"E		
	Double dashed line with legend "Submerged Jetty" [Fb] for double solid line with land tint between		35°02'54.7"N 136°48'21.2"E 35°02'54.7"N 136°48'22.8"E		
Add	"Being reclaimed" area [F31] bound by shore and dashed line joining		35°02'57.2"N 136°47'48.5"E 35°02'57.2"N 136°48'02.4"E 35°02'41.8"N 136°48'02.4"E		
	and delete all topography within above area		Legend "Numerous Buoys" 35°02'54.7"N 136°48'04.4"E Legend "Numerous Buoys" 35°02'54.6"N 136°48'34.5"E		
	(43(794)20 Tokyo)				
97222	12Ed. 12/27/97	LAST NM 51/20	52/20		
Add	Fish haven symbol [K46.1]		34°18'36"N 134°55'48"E		
	(47(1400)06 Tokyo)				
97293	2Ed. 6/2/11	LAST NM N41/20	N52/20		
Add	Chartlet from Subsection I-2		34°03'00"N 132°34'29"E		
	(10(201)12 Tokyo)				
97333	1Ed. 6/6/13	LAST NM N47/20	N52/20		
Delete	Light (Fl(2) R 3M)		31°25.1'N 130°11.1'E		
	(44(815)20 Tokyo)				
97356	2Ed. 10/20/16	LAST NM N49/20	N52/20		
Add	Submarine power cable [L31.1] joining		33°10'05.0"N 129°37'22.0"E 33°09'16.3"N 129°37'11.8"E 33°08'58.0"N 129°36'52.0"E		
	(43(801)20 Tokyo)				
97380	7Ed. 8/23/97	LAST NM 46/20	52/20		
Add	Submarine power cable [L31.1] joining		33°14.0'N 129°28.6'E 33°13.2'N 129°28.9'E 33°10.0'N 129°27.0'E 33°08.4'N 129°27.1'E 33°07.6'N 129°28.9'E 33°06.9'N 129°32.3'E 33°07.8'N 129°35.8'E 33°12.1'N 129°38.8'E		
	(43(801)20 Tokyo)				
97381	7Ed. 9/6/97	LAST NM 46/20	52/20		
Delete	Light (Fl(2) R 3M)		31°25'08"N 130°11'07"E		
	(44(815)20 Tokyo)				
97396	14Ed. 8/30/97	LAST NM 46/20	52/20		
Add	Submarine power cable [L31.1] joining		33°14'02"N 129°28'34"E 33°13'56"N 129°28'47"E 33°13'13"N 129°28'56"E 33°12'39"N 129°28'43"E 33°12'18"N 129°28'14"E 33°11'30"N 129°28'11"E 33°10'01"N 129°26'57"E 33°08'22"N 129°27'05"E 33°07'36"N 129°28'52"E 33°06'51"N 129°30'52"E 33°06'52"N 129°32'20"E 33°07'51"N 129°35'46"E 33°09'17"N 129°37'11"E 33°10'05"N 129°37'23"E 33°10'49"N 129°38'04"E 33°11'53"N 129°38'20"E 33°12'05"N 129°38'40"E		
	(43(801)20 Tokyo)				
97397	8Ed. 11/29/08	LAST NM N40/20	N52/20		
Add	Submarine power cable [L31.1] joining		33°14'01.2"N 129°28'32.0"E 33°14'03.0"N 129°28'40.2"E 33°13'56.6"N 129°28'46.9"E 33°13'13.3"N 129°28'56.6"E 33°12'39.0"N 129°28'43.3"E 33°12'17.4"N 129°28'14.4"E 33°12'00.7"N 129°28'07.6"E 33°11'29.6"N 129°28'10.9"E 33°11'17.0"N 129°28'00.0"E		
	Submarine power cable [L31.1] joining		33°12'05.3"N 129°38'39.8"E 33°11'59.7"N 129°38'22.8"E 33°11'40.3"N 129°38'22.0"E 33°10'48.7"N 129°38'03.9"E 33°10'04.3"N 129°37'22.7"E 33°09'16.3"N 129°37'11.8"E 33°08'22.0"N 129°36'13.1"E 33°07'50.5"N 129°35'45.9"E 33°07'23.6"N 129°34'44.8"E 33°07'11.3"N 129°33'13.5"E 33°06'52.1"N 129°32'20.2"E 33°06'47.2"N 129°31'42.1"E 33°06'52.2"N 129°30'52.7"E 33°07'03.1"N 129°30'05.5"E 33°07'25.0"N 129°29'29.1"E 33°07'36.4"N 129°28'52.0"E 33°07'43.0"N 129°28'00.0"E		
	(43(801)20 Tokyo)				
97483	7Ed. 6/14/97	LAST NM 49/20	52/20		
Delete	Depth 26 meters "Rep (1998)"		24°01'18"N 123°35'30"E		
Add	Light Fl G 3s 3M to beacon Light Fl G 3s 1M to beacon		24°21'57"N 123°57'26"E 24°19'48"N 123°56'44"E		
	(41(1550)03 Tokyo; 45(4992)07 Taunton)				

Chart 53279

NM 52/20

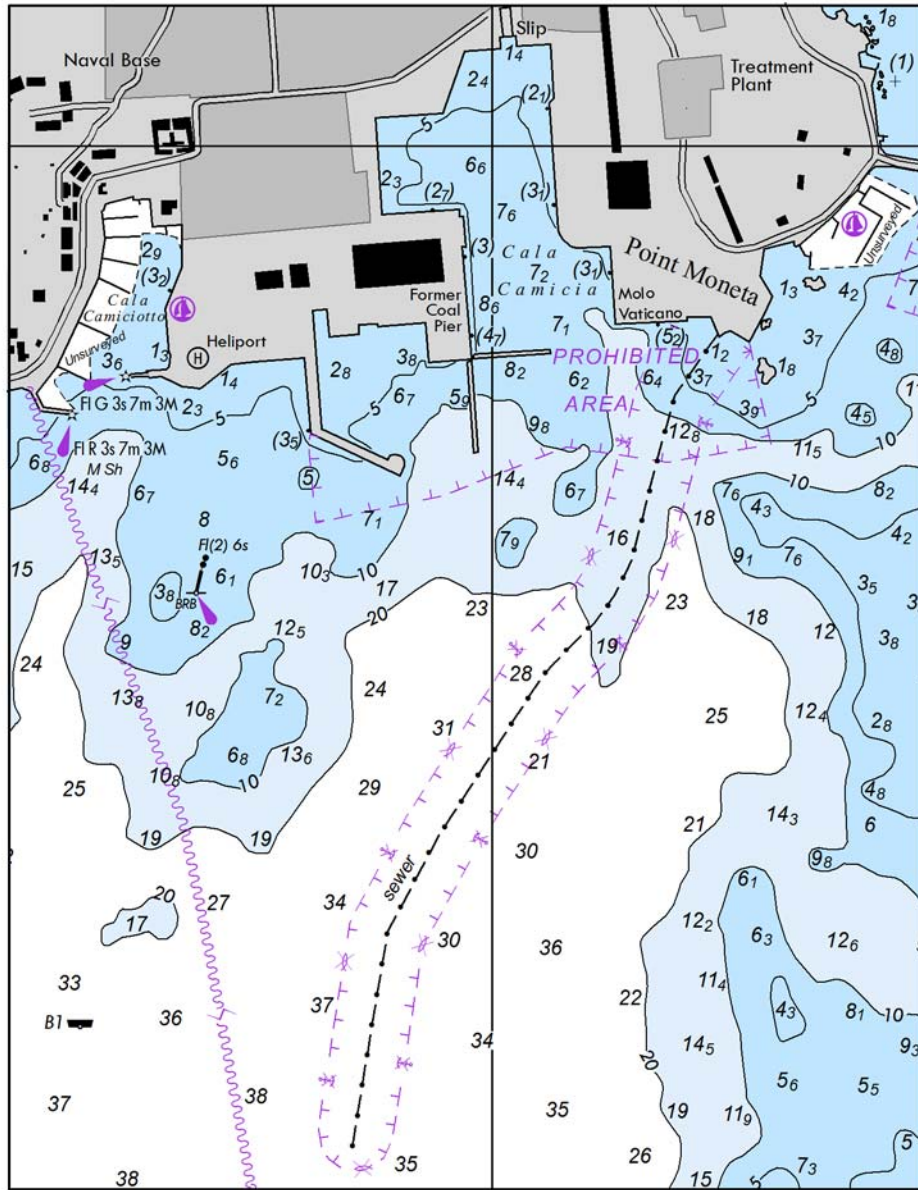
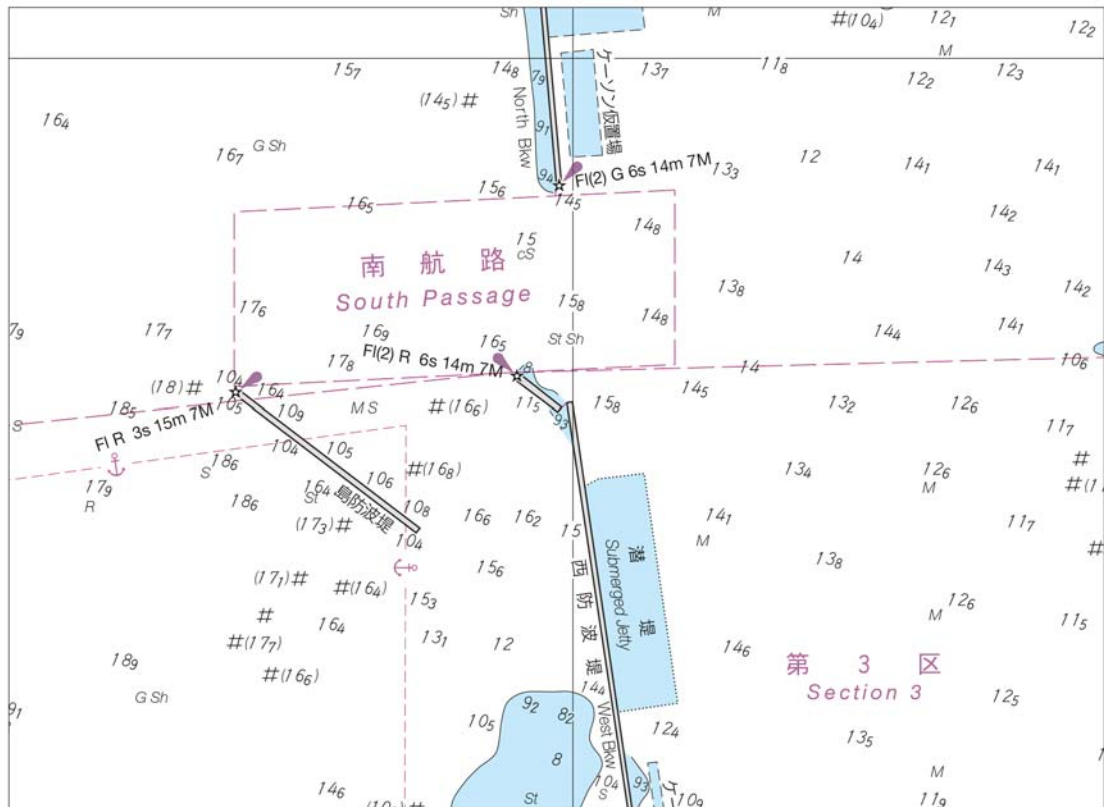


Chart 96927

(A)

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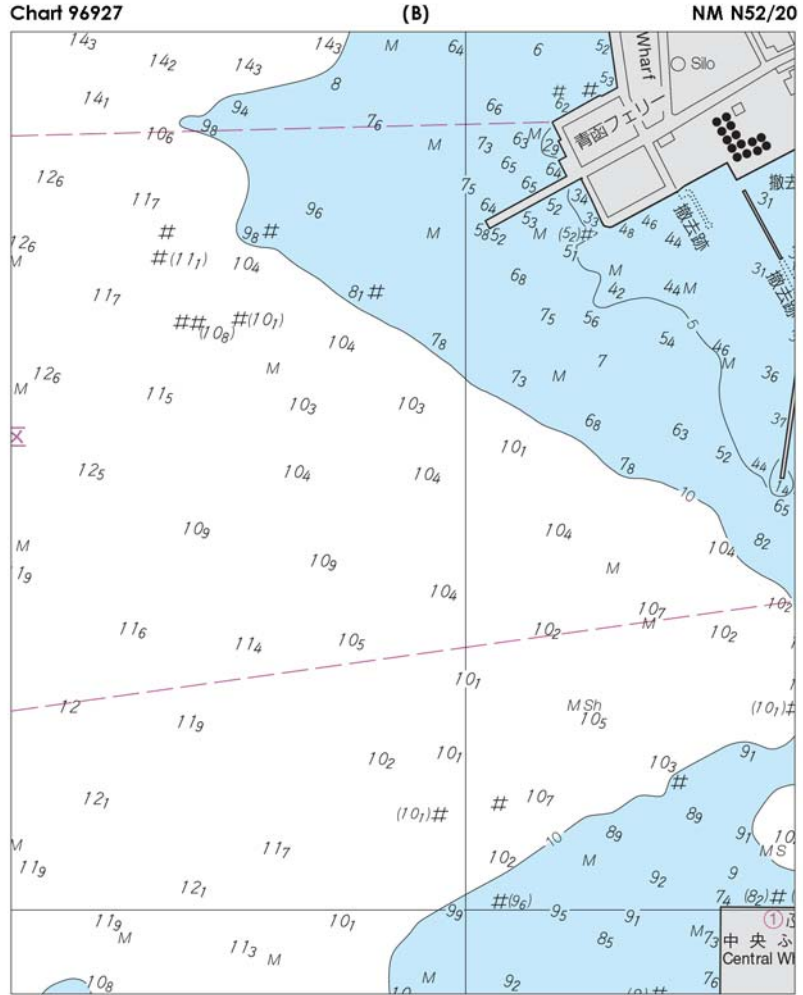
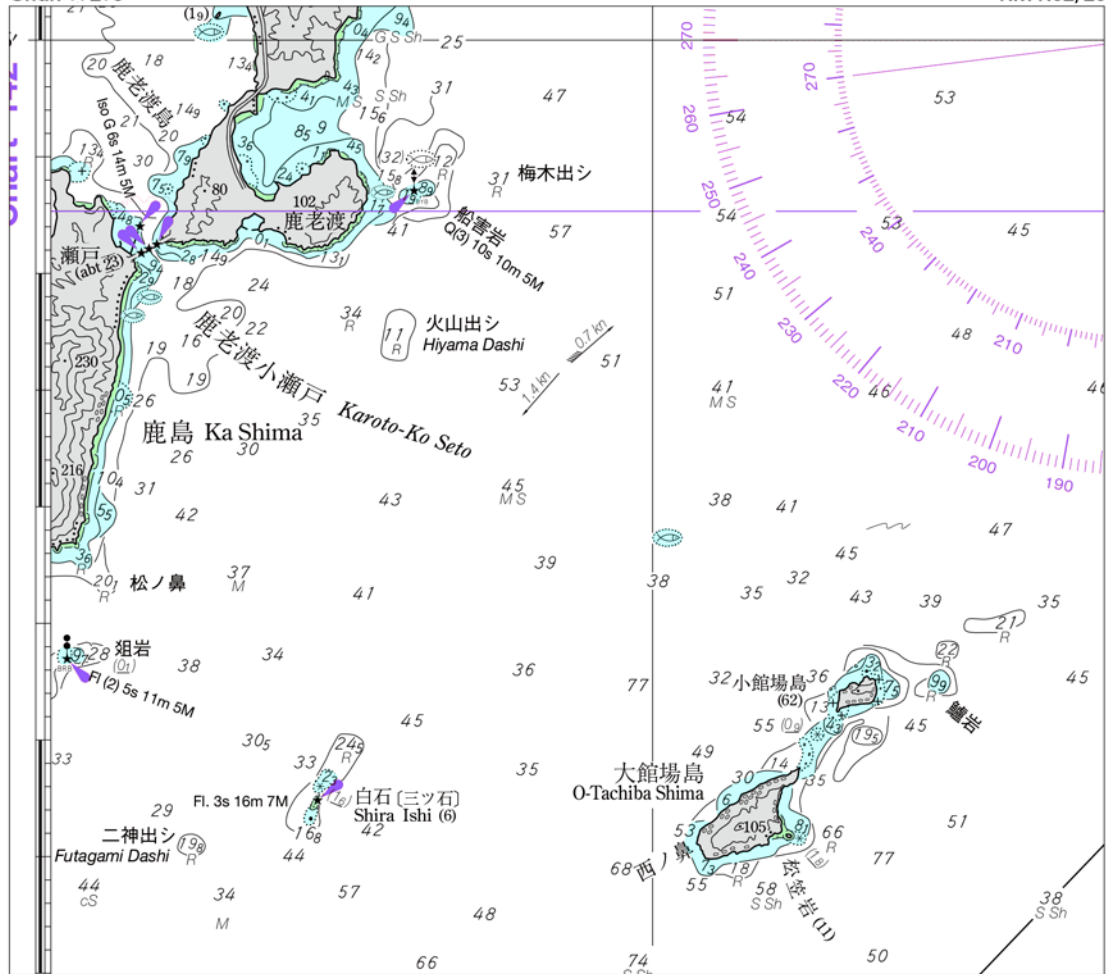


Chart 97293

NM 52/20



CHARTS AFFECTED BY NOTICE TO MARINERS
 NM 5/20 THROUGH NM 52/20

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.	Chart No.	Ed. No.	Notice to Mariners No.
43140	4	7,8,9,10,11,12,14,16,35,42/20	44036	5	12,13,14,18,20,23,24,25,26,27,33,34,35,39,40/20	44200	10	N7,N8,N11,N12,N23,N26,N28,N29,N30,N38/20	51160	22	N27,N34/20
43141	6	N5,N6,N8,N11,N13,N14,N16,N19,N31/20	44037	6	N12,N14,N26,N35/20				51163	5	N5,N21,N25,N27,N52/20
43142	5	N6,N8,N9,N16,N19/20	44038	5	12,14,40,41,42/20	44220	6	38/20	51164	19	N5,N14,N21,N27,N30/20
43143	4	5,6,7,8,9,10,11,12,14,35/20	44039	1	N7,N14,N18,N26,N27,N29,N34,N35,N39/20	44240	9	N9,N10,N11,N12,N13,N20,N31,N33,N42,N43,N47,N51/20	51165	10	N5,N14,N19/20
43144	5	N5,N6,N7,N8,N10,N14,N32/20	44040	26	N9,N10,N12,N14,N23,N25,N26,N27,N28,N30,N32,N33,N34,N35,N39,N40,N42,N47/20	44260	8	N10,N11,N12,N20,N26/20	51166	6	N5/20
43145	5	N5,N6,N7,N8,N9,N10,N11/20	44041	8	N14,N29,N33,N34,N47/20	44280	10	9,10,12,26,27,38/20	51167	8	N5,N11,N14,N19,N27/20
43146	3	N8,N9,N10,N11,N14,N32/20	44042	8	N10,N14,N20,N29,N33,N42,N47/20	44281	3	N14,N20,N26,N27,N46/20	51180	5	30,34,37/20
43147	4	N9,N11,N14/20	44043	8	33,34,42/20	44283	3	N14,N20,N26,N27,N29,N31,N46/20	51181	11	N37/20*
43148	5	N5,N6,N7,N8,N35/20	44044	7	N27,N28,N32,N33,N34,N36,N41,N47/20	44310	6	N12,N13,N30,N42,N43,N51/20	51201	3	8/20
43149	1	N6,N8,N13,N14/20	44045	7	N14,N25,N28,N30,N32,N33,N34,N35,N42,N47/20	44319	3	6,7,9,20,22,23,27,29,31,37,39,42,43,47,50/20	51220	8	8,9,14,15/20
43150	3	N9,N10,N11,N12,N14,N16,N36,N37,N49/20	44046	11	N9,N10,N25,N28,N29,N35,N41/20	44320	5	N6,N7,N9,N12,N20,N22,N23,N29,N31,N37,N42,N44/20	51222	7	N8,N9,N15,N16/20
43160	6	9,10,11,12,14,16,49/20	44048	13	N8,N14,N15,N25,N32,N33,N34,N41,N42,N49/20	44321	1	N29,N44/20	51223	3	N8,N9,N14,N15,N16,N17/20
43161	2	11,31,32,36,37/20	44049	11	N14,N25,N41,N42,N51/20	44322	1	N9/20	51224	1	44,45/20
43162	3	1/20	44050	25	N14,N16,N29,N41,N50,N51/20	44323	1	N22,N29/20	51225	3	8,9,28,51,52/20
43164	3	8,9,10,11,14/20	44051	2	N16,N39/20	44324	1	N14,N15,N16,N20,N22,N25,N34,N35,N42,N43,N50/20	51240	2	44,45/20
43165	2	14/20	44052	2	N42/20	44341	9	N7,N15,N16,N17,N18,N22,N25/20	51260	5	N33/20
43167	6	N5,N8,N9,N10,N11,N12,N14/20	44054	1	N14,N16/20	44342	10	N7,N12,N16,N17,N18,N22,N49/20	51261	23	8,16/20
43168	3	N5,N8,N9,N10,N11,N12,N14/20	44056	22	7,12,14,16,18,20,25,26,27,28,29,49,50,51/20	44352	4	N8,N11,N12,N22,N25,N29,N31,N32,N34,N35/20	51263	23	9,10,15,16,25/20
43180	5	8,9,10,11,12,28,29,50/20	44062	9	N7,N12,N14,N15,N41/20	44340	13	N7,N9,N15,N16,N20,N22,N25,N34,N35,N42,N43,N50/20	51280	8	18,44,45/20
43220	3	17,18,19,42/20	44064	20	N7,N11,N12,N16,N18,N20,N27,N28,N29,N49,N50,N51/20	44341	9	N7,N15,N16,N17,N18,N22,N25/20	51300	4	8,26,28,51,52/20
43221	4	15/20	44065	8	N9,N11,N12,N13,N29,N33,N34,N45,N46/20	51320	3	18/20	51321	1	18/20
43223	4	17,18,19,37/20	44067	23	8,9,11,12,13,14,15,18,20,26,29,32,34,38,40,41,45,46,47,49,50,51/20	51344	3	N37/20	51345	1	N35,N43/20
43224	3	15,17,18/20	44069	17	N7,N12,N14,N16,N18,N20,N25,N27,N49,N50,N51/20	51346	1	N8,N21,N35,N37/20	51347	2	N9,N33,N35,N37,N47/20
43225	5	N17,N18/20	44076	4	N8,N9,N11,N12,N14,N19,N25,N32/20	51400	4	24,46/20	51401	4	9,24,46/20
43240	4	17,18,19,24,26,27,29,34,36,38,39,40,41,42,47,49,50,51,52/20	44081	10	N30,N32,N41/20	51460	4	9,24,46/20	51461	4	24,25,46,47/20
43241	4	27,35,38,39,40,42,47,51/20	44082	12	N8,N11,N14,N22/20	51464	11	N9,N12,N14,N16,N20,N22,N31/20	51473	1	N9,N38/20
43242	4	19,27,29,34,35,36,39,40,42,50/20	44083	9	N6,N16,N17,N18,N21,N25,N41,N51/20	51480	4	5/20	51484	4	15/20
43243	4	27,34,35,36,37,38,39,40,41,49,50,51/20	44088	9	N6,N16,N17,N18,N21,N25,N41,N51/20	51559	4	15/20	51560	11	5,18,48/20
43244	4	27,37,38,39,40,41,47,49,50,51/20	44084	2	N9,N11,N17,N29,N41,N42,N45,N48,N51/20	51561	11	5,15/20	51562	10	48/20
43245	5	N38,N49/20	44085	2	8,9/20	51562	10	48/20	51580	13	5,18/20
43246	5	24,25,26,27,34,35,36,37,38,39,40,41,47,49,50,51,52/20	44087	1	N8,N9,N11,N16,N32,N41,N47/20	52031	2	11,18,22,32,37,40/20	52036	1	N8,N10,N27,N30/20
43247	5	27,34,35,36,37,38,40,47,49,50,51,52/20	44100	9	N7,N8,N9,N10,N11,N12,N14,N16,N25,N30,N32,N38,N40,N41,N42,N47,N52/20	52039	6	N8,N9,N14,N17,N30,N34,N37,N49,N52/20	52040	19	N14,N30,N32,N49,N52/20
43260	4	24,25,26,27,38,39,40,41,47,49,50,51,52/20	44108	10	N30,N32,N41/20	52041	7	N17,N37,N38/20	52042	7	N17,N37,N38/20
43300	6	N8,N16,N36/20	44110	9	N7,N8,N9,N10,N11,N12,N14,N16,N25,N30,N32,N38,N40,N41,N42,N47,N52/20	44420	7	11,12,14,16,38,39,40/20	52043	23	N9,N12,N22,N37,N40/20
43303	5	N5,N10,N11,N15,N16/20	44122	2	N28,N35,N49/20	44430	4	N16,N17,N19,N20,N22,N29,N32,N37,N51/20	52045	8	N14/20
43304	2	5,14,16,36/20	44123	2	N28,N29,N49/20	44442	2	N11,N14,N16,N22,N47,N51/20	52047	12	N32/20
43321	7	N5,N11,N12,N15,N16/20	44140	10	N8,N14,N22,N27,N29,N32,N37,N38,N41/20	44443	1	N11,N14,N16,N30,N35,N47,N51/20	52048	4	N48,N49/20
43322	6	N5,N15,N50,N51/20	44160	8	8,12,14,19,27,29,32,38,39,40,44/20	44445	1	N22/20	52051	2	N6/20
43340	14	N11,N16/20	44178	3	N14/20	44446	2	N23,N25/20	52052	2	N6/20
43341	7	15,16,19,22,33/20	44179	3	N32,N47/20	44447	1	N28,N49,N51/20	52053	1	N15/20
43342	8	N15,N16,N18,N19,N22,N42,N50/20	44180	7	N12,N14,N16,N22,N24,N26,N30/20	44462	6	N8,N10,N12,N16,N25,N29,N35,N38,N41,N47,N49,N50,N51/20	52054	2	N25,N32/20
43360	22	N7,N11,N12,N14,N16,N18,N23,N24,N25,N26,N28,N29,N33,N34,N35,N38,N39,N40/20	44181	6	N15,N28,N32,N42,N47/20	52055	2	N25,N32/20	52060	17	N7,N10,N11,N20,N25,N28,N32,N37,N43,N48/20
43363	6	N11,N14,N16,N19,N37,N49,N51/20	44182	5	N7,N14,N15,N37/20	52061	3	N11,N20,N22,N31,N34,N38,N40,N48/20	52062	8	N11,N20,N22,N31,N32,N38,N48/20
43364	6	N11,N14,N16,N19,N20,N25,N26,N45/20	44183	7	N7,N14,N15,N29,N32,N40,N47/20	52063	1	N20,N22,N31,N32,N38,N48/20	52064	1	N20,N22,N31,N32,N38,N48/20
43369	6	7,8,9,11,14,31,42/20	44184	10	N15,N29,N32/20	52066	4	N25,N32,N34,N37/20	52079	1	N8,N15/20
43370	8	N9,N11,N14,N51/20	44185	8	N12,N14,N15,N20,N47/20	52080	15	N8,N14,N15,N20,N22,N32,N37,N42/20	52082	4	N20,N22,N40/20
43371	14	N7,N10,N18,N31,N49,N51/20	44186	3	N29,N40,N47/20	52083	2	5,37/20	52084	3	N8,N14,N20/20
43372	5	N7,N22/20	44187	3	N47/20	52085	4	N8,N14,N15,N41/20	52088	3	8,20,22,32/20
43373	8	7,8,9,11,12,14,16,29,30,32,38,40,41,42,52/20				52091	1	N8,N14,N27,N41/20	52117	1	25,28,34,48/20
43374	2	N7,N10,N15,N16/20				52118	1	25,28,34,48/20	52119	1	25,48/20
43375	7	7,12,15,28,38,42,52/20				52120	13	N25/20	52121	10	N25,N48/20
43378	2	12,41/20				52122	17	N5,N27/20	52126	2	N5,N27/20
43386	2	31/20									
44000	17	7,9,14,24,26,34/20									
44015	10	6,8,9,11,12,14,16,20,22,23,27,29,30,31,32,35,37,38,39,41,44,47,50,51/20									
44030	9	7,9,20,29,30,42,43,51/20									

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 5/20 THROUGH NM 52/20

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 Chart No., Ed. No., Notice to Mariners No. It lists various chart numbers and their corresponding editions and notices.

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 5/20 THROUGH NM 52/20

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Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
94420	4	8,22/20	95153	4	N10,N11,N34/20	97210	1	N16,N36,N38,N44,N45,N47,N48,N49/20
94421	11	8,22,23,35,39,40,45/20	95155	1	N7,N12,N25,N30,N31,N32,N33,N37,N41,N43,N47,N49,N50,N52/20	97212	1	N16,N17/20
94423	13	N22,N23,N26,N35,N45/20	95159	1	N12,N14,N16,N27,N30,N32,N37,N42,N45/20	97213	2	N17/20
94427	2	N10,N37,N38/20	95160	15	N5,N10,N11,N12,N17,N20,N26,N34,N36,N37,N45/20	97222	12	16,36,37,38,39,44,45,47,48,49,50,51,52/20
94440	4	N38/20	95161	19	N5,N6,N7,N10,N11,N15,N16,N17,N25,N30,N31,N32,N34,N45,N47,N49,N51/20	97224	6	44,47,48,49/20
95016	9	35/20	95162	4	N42*,N46,N50/20	97266	6	N6,N7,N8,N14,N15,N17,N18,N35,N37,N38,N39,N47,N48,N50/20
95054	1	N31,N47/20	95163	4	N12,N14,N16,N25,N27,N30,N32,N33,N34,N36,N37,N42,N45,N47/20	97271	12	6,7,14,15,17,18,20,41,47,48/20
95060	15	N8,N10,N11,N14,N15,N22,N28,N29,N30,N35,N37,N43,N47,N48/20	95167	13	N12,N14,N15,N17,N21,N25,N35,N36,N37,N39,N45,N47/20	97273	11	6,15,33/20
95065	8	N11,N15,N22,N27,N28,N30,N31,N35,N37,N43,N47,N48/20	95173	3	N10,N30,N31,N33,N34,N35,N43/20	97278	12	33,34/20
95066	14	N5,N8,N11,N14,N15,N16,N18,N22,N27,N28,N29,N30,N35,N37,N42,N43,N47,N48,N49/20	95174	2	N30,N33,N34,N35/20	97288	4	N38,N45/20
95067	17	N8,N11,N14,N18,N22,N47,N49/20	95180	13	N12,N15,N30,N31,N33,N35,N37,N41/20	97293	2	N11,N14,N15,N20,N39,N40,N41,N52/20
95068	4	N8,N16,N28,N29,N33,N39,N41,N46/20	95250	4	43/20	97297	1	N6,N7,N9,N14,N15,N20,N35,N40,N41,N43,N48/20
95080	15	N9,N11,N14,N27,N39,N40,N41,N42,N48,N50/20	95257	1	N28,N31/20	97298	1	N10,N14,N41,N43,N48/20
95082	10	N27,N28,N38,N39,N40,N49,N50/20	95263	1	N28,N31/20	97302	1	N8,N14/20
95083	10	N44/20*	95266	2	N17/20	97311	1	N6,N7,N8,N14,N15,N17,N18,N33,N34,N35,N47,N48/20
95084	8	N8,N9,N11,N14,N17,N41,N42,N43,N48/20	95288	2	N35/20	97322	2	N34,N50/20
95085	6	N8,N9,N41,N42,N43,N48/20	95289	1	N10/20	97327	1	N17,N18,N20,N29,N33,N45,N47/20
95086	6	N8,N14,N20,N41,N42,N43,N48/20	95320	15	31/20	97329	1	N17,N18,N20,N25,N29,N33,N41,N45/20
95087	5	N24*,N37,N49/20	95339	2	N34,N52/20	97330	1	N31,N44/20
95100	13	8,9,10,11,12,13,14,15,16,17,18,20,22,30,36,40,41,42,48,51/20	95341	9	N11,N17,N31,N34,N45,N50/20	97333	1	N14,N17,N20,N21,N22,N29,N30,N31,N35,N45,N46,N47,N52/20
95101	9	N13,N15,N17,N18,N20,N22,N34,N41/20	96000	5	17/20	97337	1	N14,N17,N18,N21,N29,N30,N45,N46/20
95102	9	N10,N11,N12,N13,N17,N18,N20,N22,N30,N31,N41/20	96004	14	17,20,22/20	97356	2	N18*,N21,N27,N29,N39,N49,N52/20
95103	10	N10,N11,N12,N13,N15,N17,N18,N20,N22,N31,N35,N36,N40,N41,N43,N45,N51/20	96039	8	N15,N16,N17,N20,N22,N45/20	97362	1	N11,N17,N20,N25,N28,N34,N37,N38,N40/20
95120	10	N10,N11,N12,N13,N15,N16,N17,N18,N20,N36,N41,N43,N45/20	96041	12	N14,N15,N16,N17,N18,N20,N22,N30,N38,N42,N45/20	97370	1	N18,N24/20
95136	2	N5,N6,N10,N17,N18,N25,N29,N31,N37/20	96042	12	N14,N15,N16,N17,N18,N52/20	97380	7	8,11,14,17,18,20,21,23,26,27,28,29,30,35,37,40,45,46,52/20
95138	10	N5,N6,N10,N11,N17,N18,N20,N21,N26,N27,N28,N29,N46,N47,N49/20	96043	9	N16,N17,N18,N20,N22,N38,N45,N52/20	97381	7	14,15,17,18,20,21,22,23,28,29,30,31,35,41,45,46,52/20
95140	17	N5,N6,N9,N10,N11,N12,N13,N15,N17,N18,N20,N25,N27,N31,N41,N46,N47,N51/20	96044	11	N15,N16,N17,N18,N34/20	97385	11	45,46/20
95141	9	N5,N6,N9,N11,N15,N17,N18,N20,N29,N31,N32,N49/20	96927	7	17,22/20	97390	6	N45,N46/20
95143	13	N5,N6,N9,N10,N11,N13,N15,N17,N18,N20,N24,N25,N27,N28,N29,N31,N32,N35,N37,N41,N46,N47,N48,N49/20	96931	1	N14,N44,N48,N52/20	97396	14	11,18,21,26,28,29,40,46,52/20
95144	11	N5,N6,N8,N9,N10,N11,N12,N13,N15,N17,N21,N22,N25,N31,N32,N35,N36,N38,N47,N48,N49/20	96932	1	N14/20	97397	8	N18,N21,N29,N37,N40,N52/20
95146	17	N9,N10,N11,N12,N15,N16,N25,N31,N32,N36,N37,N38,N45,N46,N47/20	96933	1	N27/20	97420	17	11,17,20,25,26,27,28,29,31,34,37,45/20
95147	15	N10,N11,N15,N16,N17,N20,N25,N36,N45,N46,N47/20	96943	15	43/20	97425	7	N11,N17,N20,N26,N27,N28,N29,N34,N37,N45/20
95148	7	N10,N11,N20/20	96945	3	43/20	97440	8	14,17,18,20,21,22,29,30,32,34,35,45,47/20
95149	12	N6,N9,N10,N11,N12,N13,N17,N18,N20,N31,N34,N37,N47/20	96951	3	N14,N31,N32/20	97441	6	N30,N32,N34,N44/20
95151	19	N5,N7/20	96962	4	14/20	97460	7	32,34/20
95152	7	N5,N7,N11,N17,N18,N31/20	97005	9	21/20	97461	10	N18,N24/20
			97015	10	21,23/20	97472	8	18,24/20
			97021	8	11,13,14,20,21,23,26,28,30,31,34,35,47/20	97480	9	49,51/20
			97022	2	N11,N34/20	97483	7	47,49,52/20
			97026	10	17,20,21,32,34/20	97562	4	25/20
			97029	3	19,20,21,23/20	97567	1	N18,N44/20
			97030	3	N7,N14,N51,N52/20	801716	1	N28/20*
			97034	2	N18,N51/20	803185	1	N12/20
			97040	5	31,32/20	803455	3	N26/20*
			97044	5	N31/20	803467	2	N26/20*
			97050	2	N32/20	803472	2	N7/20*
			97089	2	N7,N8,N20,N33,N35,N51/20	803475	2	N21/20*
			97100	4	21,22/20	804486	1	N21/20*
			97120	6	19,20,21,22,23,24,26/20	806134	1	N16/20*
			97133	2	N32/20	808916	4	N28/20**
			97139	4	N14/20*	808981	1	N12/20
			97140	17	19,20,21,22,23,24,26,32/20			
			97145	2	19,20,21,22,23,24,26,32/20			
			97180	7	N8,N20,N35,N51/20			
			97191	1	N16,N36/20			
			97197	1	N16/20			
			97198	1	N16,N36,N38,N39,N44,N45,N47,N48,N49,N50/20			
			97200	9	39,45,47,48,50/20			

SECTION II
NGA/DLIS CATALOG CORRECTIONS

NM 52/20

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		
REGION 1						
11XCO11345 (7642014010207)	New Orleans to Calcasieu River-West Section	175,000	<u>36</u>	<u>11/20</u>	NOS	52/20
12AHA12226 (7642014010309)	Chesapeake Bay- Wolf Trap to Pungoteague Creek	40,000	<u>20</u>	<u>11/20</u>	NOS	52/20
13ACO13260 (7642014010407)	Bay of Fundy to Cape Cod	378,838	<u>44</u>	<u>11/20</u>	NOS	52/20
14XCO14902 (7642014010585)	North End of Lake Michigan	240,000	<u>32</u>	<u>11/20</u>	NOS	52/20
REGION 9						
93ACO93049 (7642014474644)	Vanguard Bank to Spratly Island	250,000	<u>2</u>	<u>11/20</u>	<u>DS</u>	52/20
MISCELLANEOUS CHARTS AND PUBLICATIONS						
CDPUBQTLY (7644015310779)	Sailing Directions Pub 164, New Guinea		<u>15</u>	<u>2020</u>		52/20

Price Categories effective 1 October 2019

A 27.00 D 16.00 E 13.50 F 13.50 G 9.00 H 14.00

CHS Canadian Hydrographic Service
 DS Distribution Limited
 GPO Government Printing Office
 NOS National Ocean Service
 UKHO United Kingdom Hydrographic Office
 DHO Danish Hydrographic Office
 AHS Australian Hydrographic Service
 JCG Japan Coast Guard
 * Not for sale or reproduction outside U.S.A.

Note: New editions cancel former editions. They include corrections published in the Notice to Mariners prior to the effective date of the new editions and/or important corrections from other sources. Mariners are warned against the use of obsolete charts and publications as new editions contain information essential to safe navigation; however, such new editions are not valid until their availability is announced in the weekly Notice to Mariners.

DoD users and DoD contractors may direct questions concerning the availability and distribution of announced hardcopy charts to the Defense Logistics Agency (DLA) at 1-800-826-0342 or 804-279-6500; DSN 695-6500; Fax 804-279-6524.

Civilian users can obtain information about ordering NGA paper charts at: <http://www.nauticalcharts.noaa.gov/staff/charts.htm>.

SECTION II
NAVIGATION PUBLICATIONS

NM 52/20

SAILING DIRECTIONS CORRECTIONS

PUB 147 16 Ed 2018 LAST NM 29/20

Pub. 147 has been updated to 14 November 2020, including Notice to Mariners 46/2020, and can be downloaded from the NGA Maritime Website:

<https://msi.nga/mil>

(NGA)

52/20

PUB 157 19 Ed 2018 LAST NM 38/20

Pub. 157 has been updated to 21 November 2020, including Notice to Mariners 47/2020, and can be downloaded from the NGA Maritime Website:

<https://msi.nga/mil>

(NGA)

52/20

PUB 164 15 Ed 2020
(NGA)

NEW EDITION
52/20

COAST PILOT CORRECTIONS

COAST PILOT 2 50 Ed 2020 01 NOV 2020
LAST NM 50/20

Chapter 11—Paragraph 392; read:

⁽³⁹²⁾ **Bayonne Bridge**, a fixed span with a minimum clearance of 154 feet over the channel (215 feet centerline), crosses Kill Van Kull near the southwestern end of the city of Bayonne and connects **Bergen Point** with Staten Island.
(L 302-2020; LNM 43/20 CG1) 52/20

SECTION II

NM 52/20

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 52/20

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

Publication	Ed.	Notice to Mariners No.	Publication	Ed.	Notice to Mariners No.	Publication	Ed.	Notice to Mariners No.
NGA/DLIS CATALOGS CATCDNMCI			PUB 159	2017	19/17*;18/18;12,46/19;36/20	COAST PILOT 3	53	1*,6,11,19,25,26,27,43,48/20
Region 1	2020	8*,9,11,12,13,14,15,17,18,22,25,26,28,29,30,31,34,35,36,37,41,43,47,49,52/20	PUB 160	2019	24*,42,52/19;29,47/20	COAST PILOT 4	52	41*,43,45,47/20
Region 2	2020	8*,15,42,44/20	PUB 161	2020	13*,27,38,50/20	COAST PILOT 5	48	8*,10,19,22,30,34,36,47,51/20
Region 3	2020	8*,10,11,12,13,22,34,41,44/20	PUB 162	2017	13*,42/17;20,52/18;9/20	COAST PILOT 6	50	18*,36,41/20
Region 4	2020	8/20*	PUB 163	2018	25/18*;10/19	COAST PILOT 7	52	26/20*
Region 5	2020	8*,10,11,12,32,33,34,37,41,42/20	PUB 164	2020	52/20*	COAST PILOT 8	41	26*,42/19;10/20
Region 6	2020	8*,10,41/20	PUB 171	2020	50/20*	COAST PILOT 9	38	37*,47,48/20
Region 7	2020	8*,10,31,32/20	PUB 172	2020	10*,25,36,49/20	RADIO NAVIGATIONAL AIDS		
Region 8	2020	8/20*	PUB 173	2017	20*,40,49/17;26,52/18;4,43/20	PUB 117	2014	51/14*
Region 9	2020	8*,14,18,24,33,42,44,52/20	PUB 174	2019	21/19*	AMERICAN PRACTICAL NAVIGATOR		
Miscellaneous Charts and Publications	2020	8*,9,10,11,13,15,16,18,20,21,22,25,26,27,28,30,31,32,33,35,36,37,38,39,40,41,43,44,46,47,50,51,52/20	PUB 175	2017	25/17*;9,44/18;24/19	PUB 9	2019	26*,28/19
			PUB 180	2020	46/20*	INTERNATIONAL CODE OF SIGNALS		
			PUB 181	2017	43/17*;30/18;12,30/19;8,45/20	PUB 102	2020	47/20*
			PUB 182	2018	21*,50/18;23/19;7,29/20	WORLD PORT INDEX		
			PUB 183	2017	29/17*;20/18;4,21,29,49/19;13,23,36/20	PUB 150	2019	37/19*
			PUB 191	2017	16*,46/17;26/18;12,39/19;11,34/20	DISTANCES BETWEEN PORTS		
			PUB 192	2017	23*,40/17;20/18;10,34/19;29,49/20	PUB 151	2001	4/02*
			PUB 193	2020	38/20*	RADAR NAVIGATION AND MANEUVERING BOARD MANUAL		
			PUB 194	2019	45/19*;23,47/20	PUB 1310	2001	51/01*
			PUB 195	2019	37*,49/19;13,25,37/20	SIGHT REDUCTION TABLES (MARINE)		
			PUB 200	2020	47/20*	PUB 229 VOL. 1	1970	11/71*
NGA LIST OF LIGHTS			USCG LIGHT LIST VOLUMES I - VII			PUB 229 VOL. 2	1970	11/71*
PUB 110	2020	39/20*	VOLUME I	2020	5*,7,8,9,10,11,12,13,15/20	PUB 229 VOL. 3	1970	7/71*
PUB 111	2020	18/20*	VOLUME II	2020	5*,7,8,9,10,11,12,13,15/20	PUB 229 VOL. 4	1970	3/71*
PUB 112	2020	26/20*	VOLUME III	2020	5*,7,8,9,10,11,12,13/20	PUB 229 VOL. 5	1970	3/71*
PUB 113	2020	31/20*	VOLUME IV	2020	5*,7,8,9,10,11,12,15/20	PUB 229 VOL. 6	1970	23/70*
PUB 114	2020	22/20*	VOLUME V	2020	5/20*	SIGHT REDUCTION TABLES (AIR)		
PUB 115	2020	35/20*	VOLUME VI	2020	5*,7,8,9,10,11,12,13/20	PUB 249 VOL. 1	2007	38/07*
PUB 116	2020	13/20*	VOLUME VII	2020	5*,9/20	PUB 249 VOL. 2	1952	46/52*
SAILING DIRECTIONS			DIGITAL PUBLS - QUARTERLY			PUB 249 VOL. 3	1952	46/52*
PUB 120	2018	25/18*;13,39/19;18,44/20	DIGITAL PUBLS - QUARTERLY	2020	N43/20*	CHART NO. 1		
PUB 123	2017	49/17*;23,52/18;23/19;6,29,47/20	FLEET GUIDES			CHART NO. 1	2019	19/19*
PUB 124	2017	7*,26/17;19/18;6,21,45/19	PUB 940	2020	6/20*	ATLAS OF PILOT CHARTS		
PUB 125	2017	30/17*;8,36/18;15/19	PUB 941	2015	N6*,N13,N31/15	PUB 106	2002	42/03*
PUB 126	2017	17*,52/17;30,48/18;10,35/19;6/20	NOS MISCELLANEOUS PUBLICATIONS			PUB 107	1998	30/99*
PUB 127	2017	19*,52/17;30/18;13,35/19	CATALOG A	2012	22/12*	PUB 109	2001	49/02*
PUB 131	2017	18*,33,46/17;17/18;14,38/19;8,31,46/20	CATALOG G	2012	18/12*	USCG NAVIGATION RULES		
PUB 132	2020	33*,49/20	CATALOG K	2012	34/12*	NAVIGATION RULES AND REGULATIONS	2014	38*,51/14;37,41,50/15;7/18;18,23/20
PUB 140	2019	20*,46/19;36/20	CATALOG L	2012	27/12*	NOS TIDE TABLES		
PUB 141	2018	31/18*;13,42/19;42/20	CATALOG P	2012	32/12*	EAST PACIFIC	2020	N50/19*
PUB 142	2018	35/18*;23/19;42/20	ALMANACS			W PACIFIC/INDIAN OCEAN	2020	N50/19*
PUB 143	2017	11*,29,42/17;11/18;13,35,52/19;29/20	AIR ALMANAC	2021	36/20*	WEST ATLANTIC	2020	N50/19*
PUB 145	2018	8*,48/18;20,47/19;42/20	NAUTICAL ALMANAC	2021	26/20*	EUROPE/WEST AFRICA	2020	N50/19*
PUB 146	2017	12/17*;20,52/18;29,52/19;44/20	COAST PILOT			TIDAL CURRENT TABLES		
PUB 147	2018	49/18*;23/19;6,29,52/20	COAST PILOT 1	50	11*,12,14,19,21,27,37,43/20	PACIFIC	2020	N50/19*
PUB 148	2017	12/17*;10/18;4,37,38/19;13,43/20	COAST PILOT 10	1	26*,41,43,48/20	ATLANTIC	2020	N50/19*
PUB 153	2017	8/17*;9,38/18;20,39/19;46/20	COAST PILOT 2	50	50*,52/20			
PUB 154	2017	39/17*;17,52/18;24/19;13,47/20						
PUB 155	2017	46/17*;39/18;24,52/19;11,25,38,49/20						
PUB 157	2018	38/18*;18,39,52/19;13,25,38,52/20						
PUB 158	2017	19/17*;11,52/18;29/19;29/20						

BROADCAST WARNINGS

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

SUMMARY OF NAVIGATIONAL WARNINGS IN FORCE 151245Z DECEMBER 2020

NAVAREA IV

2020 series

- 131/20(24).
WESTERN NORTH ATLANTIC.
GUYANA.
1. SURVEY OPERATIONS IN PROGRESS UNTIL 31 DEC
BY M/V BOURBON SAPPHIRE IN AREA BOUND BY
08-11.04N 056-46.11W, 08-16.76N 056-57.53W,
07-54.01N 057-08.98W, 07-48.30N 056-57.56W.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 01 JAN 21. (071835Z FEB 2020)
- 140/20(25,26).
WESTERN NORTH ATLANTIC.
BERMUDA.
CHART 26340.
DANGEROUS WRECKS, LEAST DEPTH:
A. 12.1 METERS, IN 32-23-54N 64-44-28W.
B. NINE METERS, IN 32-22-47N 64-44-30W.
C. 13.6 METERS, IN 32-22-20N 64-42-58W.
D. FOUR METERS, IN 32-21-23N 64-42-50W.
E. 8.1 METERS, IN 32-26-26N 64-45-35W. (111652Z FEB 2020)
- 143/20(24).
WESTERN NORTH ATLANTIC.
GUYANA.
CHART 24380.
1. SURVEY OPERATIONS IN PROGRESS UNTIL 31 DEC
BY M/V SKANDI NEPTUNE IN AREA BOUND BY
08-05.94N 056-56.97W, 08-04.08N 056-57.72W,
08-00.60N 056-54.79W.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 01 JAN 21. (121719Z FEB 2020)
- 169/20(24).
WESTERN NORTH ATLANTIC.
GUYANA.
1. UNDERWATER OPERATIONS IN PROGRESS UNTIL 31 DEC
BY M/V PACIFIC LEGEND IN AREA BOUND BY
08-05.94N 056-56.97W, 08-04.08N 056-57.72W,
08-00.60N 056-54.79W.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 01 JAN 21. (172057Z FEB 2020)
- 190/20(24).
WESTERN NORTH ATLANTIC.
GUYANA.
1. UNDERWATER OPERATIONS IN PROGRESS UNTIL 31 DEC
BY M/V SAIPEM FDS2 IN AREA BOUND BY
08-05.94N 056-56.97W, 08-04.08N 056-57.72W,
08-00.60N 056-54.79W.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 01 JAN 21. (281720Z FEB 2020)
- 191/20(24).
WESTERN NORTH ATLANTIC.
GUYANA.
1. UNDERWATER OPERATIONS IN PROGRESS UNTIL 31 DEC
BY M/V PACIFIC LEADER IN AREA BOUND BY
08-05.94N 056-56.97W, 08-04.08N 056-57.72W,
08-00.60N 056-54.79W.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 01 JAN 21. (281743Z FEB 2020)

- 299/20(24).
 CARIBBEAN.
 COLOMBIA.
 CHART 24480.
 DANGEROUS WRECK, LEAST DEPTH 4.5 METERS,
 IN 09-24.5N 075-46.6W.
 (022209Z APR 2020)
- 518/20(25).
 EASTERN CARIBBEAN SEA.
 GRENADA.
 CHART 25400.
 VOLCANIC ACTIVITY REPORTED IN AREA WITHIN
 THREE MILES OF 12-18N 061-38W ON 15 JUNE 20.
 (151701Z JUN 2020)
- 790/20(24).
 WESTERN NORTH ATLANTIC.
 1. UNDERWATER OPERATIONS IN PROGRESS UNTIL 31 DEC 20
 BY M/V NORMAND INSTALLER IN AREA BOUND BY
 08-01.5N 057-00.4W, 08-01.5N 056-58.6W,
 07-59.6N 056-58.6W, 07-59.6N 057-00.4W.
 WIDE BERTH REQUESTED.
 2. CANCEL THIS MSG 01 JAN 21.
 (251435Z AUG 2020)
- 832/20(24).
 CARIBBEAN SEA.
 VENEZUELA.
 CHART 24450.
 AVES DE BARLOVENTO LIGHT 11-56.5N 067-26.6W UNLIT.
 (022231Z SEP 2020)
- 905/20(28).
 GULF OF MEXICO.
 MEXICO.
 CHART 28320.
 ARRECIFE LA BLANQUILLA LIGHT 21-32-38N 097-16-50W
 UNLIT.
 (230837Z SEP 2020)
- 913/20(15).
 DAVIS STRAIT.
 HUDSON STRAIT.
 CANADA.
 MCTS IQALUIT REMOTE STATION KILLENEK
 60-25N 064-50W MF, HF AND R/T SERVICES
 OFF AIR.
 (250424Z SEP 2020)
- 935/20(27,28).
 WESTERN CARIBBEAN SEA.
 MEXICO.
 CHART 27120.
 PUERTO MORELOS LIGHT 20-50.2N 086-55.0W UNLIT.
 (300008Z SEP 2020)
- 954/20(24).
 WESTERN NORTH ATLANTIC.
 GUYANA
 1. SURVEY OPERATIONS IN PROGRESS UNTIL 31 DEC
 BY M/V AHT SEAWAYS 20, M/V AHT BOURBON LIBERTY 308,
 IN AREAS BOUND BY
 08-35N 057-30W, 08-35N 056-30W,
 07-35N 056-30W, 07-35N 057-30W.
 WIDE BERTH REQUESTED.
 2. CANCEL THIS MSG 01 JAN 21.
 (052052Z OCT 2020)
- 982/20(26).
 CARIBBEAN SEA.
 JAMAICA.
 CHART 26220.
 PORTLAND RIDGE LIGHT 17-44.5N 077-09.5W UNLIT.
 (122011Z OCT 2020)

SECTION III

NM 52/20

- 990/20(24).
EASTERN CARIBBEAN SEA.
VENEZUELA.
CHART 24430.
PUNTA PALANQUETE LIGHT 10-49.9N 064-12.6W UNLIT.
(142147Z OCT 2020)
- 1044/20(24).
EASTERN CARIBBEAN SEA.
TRINIDAD.
CHART 24404.
DANGEROUS WRECK, LEAST DEPTH 26 METERS
IN 10-23.44N 061-52.04W.
(291554Z OCT 2020)
- 1049/20(24).
WESTERN NORTH ATLANTIC.
SURINAME.
1. SURVEY OPERATIONS IN PROGRESS UNTIL 01 MAR 21
BY M/V GEO CARIBBEAN IN AREA BOUND BY
07-34.71N 054-36.55W, 07-34.71N 056-08.33W,
06-55.36N 056-08.33W, 06-55.36N 054-36.55W.
NINE MILE BERTH REQUESTED.
2. CANCEL NAVAREA IV 1008/20.
3. CANCEL THIS MSG 02 MAR 21.
(301654Z OCT 2020)
- 1084/20(24).
WESTERN NORTH ATLANTIC.
TRINIDAD.
CHART 24400.
BRIGAND HILL LIGHT 10-29.8N 061-04.0W UNLIT.
(092017Z NOV 2020)
- 1092/20(26,28).
WESTERN CARIBBEAN SEA.
COLOMBIA.
CHART 28050.
1. LOW CAY LIGHT 13-31.52N 081-20.31W INOPERATIVE.
2. CANCEL NAVAREA IV 1023/20.
(110116Z NOV 2020)
- 1100/20(24,25).
WESTERN NORTH ATLANTIC.
1. HAZARDOUS OPERATIONS, ROCKET LAUNCHING
0052Z TO 0223Z DAILY 17 NOV THRU 17 DEC
A. 08-57N 052-50W, 08-57N 052-45W,
07-58N 052-45W, 07-58N 052-49W.
B. 18-46N 054-03W, 17-02N 053-52W,
17-01N 054-01W, 18-45N 054-11W.
2. CANCEL THIS MSG 170323Z DEC 20.
(121008Z NOV 2020)
- 1114/20(GEN).
GULF OF MEXICO.
LOUISIANA.
USCG REMOTE COMMUNICATION FACILITY NEW ORLEANS (G)
29-53.1N 089-56.7W HF VOICE, DATA AND
BROADCAST SERVICES UNRELIABLE.
(161255Z NOV 2020)
- 1140/20(24,25).
WESTERN NORTH ATLANTIC.
1. HAZARDOUS OPERATIONS, ROCKET LAUNCHING
0033Z TO 0204Z DAILY 29 NOV THRU 29 DEC
IN AREAS BOUND BY:
A. 08-40N 052-50W, 08-39N 052-36W,
08-01N 052-37W, 08-02N 052-51W.
B. 15-44N 053-21W, 15-45N 052-52W,
14-43N 052-51W, 14-42N 053-19W.
C. 21-52N 053-51W, 21-54N 053-10W,
20-27N 053-07W, 20-26N 053-48W.
2. CANCEL THIS MSG 290304Z DEC 20.
(240754Z NOV 2020)

- 1141/20(15).
 WESTERN NORTH ATLANTIC.
 LABRADOR SEA.
 1. HAZARDOUS OPERATIONS, ROCKET LAUNCHING
 0136Z TO 0253Z DAILY 29 NOV THRU 29 DEC
 IN AREA BOUND BY
 59-51N 056-59W, 59-52N 055-51W,
 58-04N 055-45W, 58-03N 056-50W.
 2. CANCEL THIS MSG 290353Z DEC 20.
 (240902Z NOV 2020)
- 1149/20(26,28).
 WESTERN CARIBBEAN SEA.
 COLOMBIA.
 CHART 28050.
 PALMA CAY LIGHT 13-24.0N 081-22.1W
 TEMPORARILY REMOVED.
 (250224Z NOV 2020)
- 1150/20(24).
 CARIBBEAN SEA.
 COLOMBIA.
 1. UNDERWATER OPERATIONS IN PROGRESS UNTIL
 31 DEC IN AREA BOUND BY
 09-29-17N 075-46-19W, 09-29-22N 075-46-14W,
 09-29-27N 075-46-18W, 09-29-21N 075-46-29W.
 WIDE BERTH REQUESTED.
 2. CANCEL THIS MSG 01 JAN 21.
 (250242Z NOV 2020)
- 1158/20(24).
 EASTERN CARIBBEAN SEA.
 TOBAGO.
 1. PIPELINE OPERATIONS IN PROGRESS UNTIL 30 APR 21
 IN AREA BOUND BY
 11-08.76N 060-50.88W, 11-08.93N 060-50.92W,
 11-08.97N 060-50.72W, 11-08.81N 060-50.68W.
 WIDE BERTH REQUESTED.
 2. CANCEL THIS MSG 01 MAY 21.
 (271500Z NOV 2020)
- 1160/20(24).
 WESTERN NORTH ATLANTIC.
 1. UNDERWATER OPERATIONS IN PROGRESS UNTIL 31 DEC
 IN VICINITY:
 A. 07-57.12N 056-44.89W.
 B. 08-04.17N 057-04.52W.
 WIDE BERTH REQUESTED.
 2. CANCEL THIS MSG 01 JAN 21.
 (281409Z NOV 2020)
- 1174/20(24).
 EASTERN CARIBBEAN SEA.
 TOBAGO.
 1. EIGHT MOORING BUOYS, ORANGE, TEMPORARILY
 ESTABLISHED UNTIL 30 DEC IN VICINITY
 11-17.79N 061-09.63W.
 2. CANCEL THIS MSG 31 DEC 20.
 (041741Z DEC 2020)
- 1178/20(28).
 BAY OF CAMPECHE.
 MEXICO.
 CHART 28260.
 XICALANGO LIGHT 18-37.6N 091-54.0W UNLIT.
 (052032Z DEC 2020)
- 1179/20(28).
 BAY OF CAMPECHE.
 MEXICO.
 CHART 28220.
 CELESTUN LIGHT 20-51.6N 090-24.0W UNLIT.
 (052042Z DEC 2020)
- 1180/20(27,28).
 YUCATAN CHANNEL.
 MEXICO.
 CHART 27120.
 PUNTA CANCUN LIGHT 21-08.3N 086-44.5W UNLIT.
 (052130Z DEC 2020)

- 1190/20(11).
GULF OF MEXICO.
TEXAS.
METAL PIPE VISIBLE ABOVE SURFACE
IN 29-24.18N 094-16.9W.
(101523Z DEC 2020)
- 1196/20(24).
WESTERN NORTH ATLANTIC.
FRENCH GUIANA.
1. HAZARDOUS OPERATIONS 151200Z TO 151800Z DEC
IN AREA WITHIN TWO MILES OF 04-56N 052-05W.
2. CANCEL THIS MSG 151900Z DEC 20.
(110553Z DEC 2020)
- 1198/20(GEN).
1. NAVAREA IV WARNINGS IN FORCE AS OF 111425Z DEC 20:
1196/20, 1191/20, 1190/20, 1187/20, 1180/20, 1179/20,
1178/20, 1174/20, 1160/20, 1158/20, 1150/20, 1149/20,
1141/20, 1140/20, 1114/20, 1100/20, 1092/20, 1084/20,
1049/20, 1044/20, 990/20, 982/20, 954/20, 935/20,
913/20, 905/20, 832/20, 790/20, 518/20, 299/20,
191/20, 190/20, 169/20, 143/20, 140/20, 131/20.
2. THE COMPLETE TEXT OF ALL IN-FORCE NAVAREA IV
BROADCAST WARNINGS ARE AVAILABLE ON THE NGA
MARITIME SAFETY INFORMATION WEBSITE AT:
msi.nga.mil/NavWarnings.
ALTERNATIVELY, THESE MAY BE REQUESTED BY E-MAIL
FROM THE NAVAREA IV COORDINATOR AT NAVSAFETY@NGA.MIL.
3. CANCEL NAVAREA IV 1145/20, 1173/20.
(111430Z DEC 2020)
- 1201/20(11,26).
WESTERN NORTH ATLANTIC.
FLORIDA.
1. HAZARDOUS OPERATIONS, ROCKET LAUNCHING
171355Z TO 171752Z DEC, ALTERNATE
181355Z TO 181752Z DEC
IN AREAS BOUND BY:
A. 28-39-43N 080-38-12W, 29-02-00N 080-15-00W,
28-57-00N 080-08-00W, 28-40-00N 080-11-00W,
28-27-00N 080-24-00W, 28-26-52N 080-32-07W.
B. 30-12-00N 079-06-00W, 30-28-00N 078-56-00W,
30-54-00N 078-52-00W, 31-14-00N 078-13-00W,
31-06-00N 077-36-00W, 30-47-00N 077-22-00W,
30-27-00N 077-26-00W, 30-08-00N 078-20-00W,
30-03-00N 078-58-00W.
2. CANCEL THIS MSG 181852Z DEC 20.
(120329Z DEC 2020)
- 1203/20(24).
WESTERN NORTH ATLANTIC.
1. SURVEY OPERATIONS 18 DEC THRU 25 JAN 21 BY
M/V FUGRO BRASILIS IN AREA BOUND BY
08-00N 055-15W, 08-20N 055-15W,
08-20N 055-20W, 08-45N 055-20W,
08-45N 055-00W, 08-30N 055-00W,
08-30N 054-55W, 08-00N 054-55W.
ONE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 26 JAN 21.
(130315Z DEC 2020)
- 1208/20(24).
WESTERN NORTH ATLANTIC.
SURINAME.
1. HAZARDOUS OPERATIONS 16 DEC 20 THRU 06 JAN 21
IN AREA BOUND BY
06-11.99N 055-19.74W, 06-11.99N 055-19.96W,
06-11.77N 055-19.96W, 06-11.77N 055-19.74W.
2. CANCEL THIS MSG 07 JAN 21.
(141126Z DEC 2020)
- 1209/20(GEN).
NOTIFICATION OF ζ ON TRIAL ζ IMPLEMENTATION OF THE
IRIDIUM SAFETYCAST SERVICE.
NAVAREA IV COMMENCED ITS ζ ON TRIAL ζ PHASE FOR
IRIDIUM SAFETYCAST NAVIGATIONAL WARNINGS
AT 141600Z DEC. NAVAREA IV WILL PROMULGATE
SAFETYCAST MESSAGES AS PART OF A NUMBERED
SERIES DURING THE ζ ON TRIAL ζ PHASE IN ACCORDANCE
WITH THE JOINT IMO/IHO/WMO MARITIME SAFETY
INFORMATION MANUAL. MESSAGES MAY BE INTERMITTENT

AND WILL ALSO BE SUPPLEMENTED BY TEST MESSAGES WHICH WILL BE CLEARLY DEFINED IN THE MESSAGE HEADER. MARINERS ARE ADVISED THAT THE "ON TRIAL" PHASE WILL BE IN PLACE FOR NAVAREA IV UNTIL FURTHER NOTICE. SEE U.S. NOTICE TO MARINERS 52/20 FOR FURTHER INFORMATION. CONTACT INFORMATION FOR NAVAREA IV IS PHONE: 571 557 5455, EMAIL: NAVSAFETY@NGA.MIL.

(141647Z DEC 2020)

1210/20(GEN).

1. NORTH AMERICAN ICE SERVICE (NAIS)
ICEBERG BULLETIN 150001Z DEC.
2. ICEBERG LIMIT ALONG TRACKLINE JOINING
53-09N 055-47W, 54-00N 052-59W,
55-00N 051-59W, 59-00N 056-59W.
3. ESTIMATED ICEBERG LIMIT ALONG
TRACKLINE JOINING
59-00N 057-00W, 60-00N 053-00W,
58-00N 049-00W, 58-00N 039-00W,
64-00N 037-00W, 65-00N 028-00W.
4. SEA ICE LIMIT ALONG TRACKLINES
JOINING:
 - A. 50-05N 066-40W, 50-00N 066-20W,
50-10N 065-50W, 50-15N 065-50W.
 - B. 52-20N 055-35W, 53-50N 055-15W,
56-05N 060-05W, 58-15N 060-55W,
64-20N 057-45W.
 - C. 62-25N 041-55W, 61-45N 042-01W,
61-13N 042-17W, 61-01N 042-34W,
61-03N 042-42W.
5. MOST RECENT RECONNAISSANCE:
NORTHERN SURVEY ICEBERG FLIGHT 12 DEC 20.
6. REPORT POSITION AND TIME OF ANY ICEBERGS
SEA ICE OR STATIONARY RADAR TARGETS THAT
MAY LIKELY BE ICE TO THE NEAREST CANADIAN
COAST GUARD MARINE COMMUNICATIONS AND
TRAFFIC SERVICE STATION OR
USING INMARSAT CODE 42.
7. FOR MORE REPORTING INFORMATION OR TO
DOWNLOAD SHAPEFILES AND WEEKLY PREDICTIONS,
GO TO WWW.NAVCEN.USCG.GOV/IIP.
8. CANCEL THIS MSG 160001Z DEC 20.

(142132Z DEC 2020)

1211/20(26,28).

WESTERN CARIBBEAN SEA.
COLOMBIA.
CHART 28050.
SOUTH HEAD LIGHT 13-19-16N 081-22-59W UNLIT.

(150030Z DEC 2020)

HYDROLANTS

2019 series

- 196/19(51).
EASTERN NORTH ATLANTIC.
MOROCCO.
DNC 01.
CHART 51380.
DANGEROUS WRECK IN 27-57.6N 012-55.8W.
(211651Z JAN 2019)
- 1771/19(51).
EASTERN NORTH ATLANTIC.
MAURITANIA.
DNC 01.
CHART 51460.
DANGEROUS WRECK REPORTED IN 20-53.27N 016-55.99W.
(121457Z JUN 2019)
- 2010/19(53).
TYRRHENIAN SEA.
ITALY.
DNC 09.
CHART 53180.
VOLCANIC ACTIVITY IN VICINITY OF STROMBOLI ISLAND
(38-47-33N 15-12-53E) ON 03 JUL.
VESSELS IN VICINITY ARE ADVISED TO GIVE WIDE BERTH
AND USE CAUTION.
(031734Z JUL 2019)
- 2438/19(51).
EASTERN NORTH ATLANTIC.
MOROCCO.
DNC 08.
CHART 51300.
CAP RHIR LIGHT 30-38.0N 009-52.9W UNRELIABLE.
(100017Z AUG 2019)
- 2507/19(38).
WESTERN NORTH ATLANTIC.
GREENLAND.
DNC 19.
UNCHARTED ROCKS REPORTED IN 66-08.68N 035-30.47W.
(171045Z AUG 2019)
- 3137/19(37).
NORTH SEA.
NETHERLANDS.
DNC 21.
UNEXPLODED ORDNANCE IN 52-42.63N 003-04.36E.
(142015Z OCT 2019)
- 3608/19(51).
EASTERN NORTH ATLANTIC.
MOROCCO.
DNC 01.
DANGEROUS WRECK IN 29-05.6N 010-31.2W.
(251401Z NOV 2019)
- 3814/19(35).
EASTERN NORTH ATLANTIC.
SCOTLAND.
DNC 19.
BUTT OF LEWIS LIGHT 58-30.9N 006-15.7W TEMPORARILY
CHANGED TO FL 5 SEC, 37 METERS, 12 MILES.
(121629Z DEC 2019)
- 4002/19(54).
EASTERN MEDITERRANEAN SEA.
IONIAN SEA.
GREECE.
DNC 09.
1. HAZARDOUS OPERATIONS SUNRISE TO SUNSET MONDAY,
SUNRISE TO 2100Z TUESDAY THRU THURSDAY AND
SUNRISE TO 1000Z FRIDAY 01 JAN THRU 31 DEC 20
IN AREA BOUND BY
36-48.0N 021-40.0E, 36-48.0N 021-50.0E,
36-42.0N 021-54.0E, 36-31.0N 022-13.0E,
36-21.5N 022-04.5E, 36-36.0N 021-40.0E.
2. CANCEL THIS MSG 312200Z DEC 20.
(301256Z DEC 2019)

4004/19(54).
 IONIAN SEA.
 GREECE.
 DNC 09.
 1. HAZARDOUS OPERATIONS SUNRISE TO SUNSET MONDAY,
 SUNRISE TO 2100Z TUESDAY THRU THURSDAY AND
 SUNRISE TO 1000Z FRIDAY, EXCEPT HOLIDAYS
 01 JAN THRU 31 DEC 20 IN AREA BOUND BY
 36-48N 021-40E, 36-48N 021-50E,
 36-40N 021-50E, 36-40N 021-40E.
 2. CANCEL THIS MSG 312200Z DEC 20.

(301327Z DEC 2019)

4005/19(54).
 AEGEAN SEA.
 DNC 09.
 1. HAZARDOUS OPERATIONS 0500Z TO 1500Z DAILY
 01 JAN THRU 31 DEC 20 EXCEPT FRIDAYS, SATURDAYS,
 SUNDAYS AND HOLIDAYS IN AREA BOUND BY
 39-46.0N 023-40.0E, 40-00.5N 024-18.0E,
 39-43.0N 024-31.0E, 39-26.0N 023-53.0E.
 2. CANCEL THIS MSG 311600Z DEC 20.

(301340Z DEC 2019)

4006/19(54).
 IONIAN SEA.
 GREECE.
 DNC 09.
 1. HAZARDOUS OPERATIONS 0500Z TO 2100Z DAILY
 MONDAY THRU THURSDAY AND 0500Z TO 1300Z
 FRIDAYS 01 JAN THRU 31 DEC 20 EXCEPT HOLIDAYS
 IN AREA BOUND BY
 37-48.00N 021-05.00E, 37-31.83N 021-08.00E,
 37-31.00N 021-20.00E, 37-48.00N 021-17.00E.
 2. CANCEL THIS MSG 311400Z DEC 20.

(301348Z DEC 2019)

4007/19(54).
 AEGEAN SEA.
 DNC 09.
 1. HAZARDOUS OPERATIONS SUNRISE TO SUNSET DAILY
 01 JAN THRU 31 DEC 20 IN AREA BOUND BY
 38-02N 024-52E, 38-16N 025-21E,
 37-46N 025-49E, 37-34N 025-23E,
 37-42N 025-01E, 38-00N 024-52E.
 2. CANCEL THIS MSG 01 JAN 21.

(301353Z DEC 2019)

2020 series

16/20(52).
 WESTERN MEDITERRANEAN SEA.
 TUNISIA.
 DNC 08.
 1. HAZARDOUS OPERATIONS IN PROGRESS UNTIL 31 DEC
 IN AREA BOUND BY
 37-45N 010-15E, 38-00N 010-15E,
 38-00N 010-30E, 37-45N 010-30E.
 2. CANCEL THIS MSG 01 JAN 21.

(021220Z JAN 2020)

17/20(52).
 EASTERN MEDITERRANEAN SEA.
 TUNISIA.
 DNC 08.
 1. HAZARDOUS OPERATIONS IN PROGRESS UNTIL 31 DEC
 IN AREA BOUND BY
 35-30N 011-30E, 35-40N 011-30E,
 35-40N 011-50E, 35-30N 011-50E.
 2. CANCEL THIS MSG 01 JAN 21.

(021231Z JAN 2020)

21/20(23).
 WESTERN SOUTH ATLANTIC.
 DNC 07.
 1. NAVIGATION PROHIBITED UNTIL FURTHER NOTICE
 IN AREA BOUND BY
 45-56.47S 059-47.04W, 45-56.42S 059-45.63W,
 45-57.41S 059-45.62W, 45-57.48S 059-47.03W.
 2. CANCEL HYDROLANT 2/19.

(021452Z JAN 2020)

- 431/20(51).
EASTERN NORTH ATLANTIC.
MOROCCO.
DNC 08.
BEDDOUZA LIGHT 32-32.4N 009-16.9W UNLIT.
(071607Z FEB 2020)
- 888/20(51).
WESTERN NORTH ATLANTIC.
DNC 08.
DISTRESS RECEIVED FROM F/V NOVO EUSTAQUIO,
IN 33-28.32N 046-383W AT 071834Z MAR.
VESSELS IN VICINITY REQUESTED TO
KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC MADRID,
PHONE: 349 1755 9132
FAX: 349 1526 1440,
E-MAIL: CNCS@SASEMAR.ES.
(072106Z MAR 2020)
- 991/20(51,52).
EASTERN NORTH ATLANTIC.
STRAIT OF GIBRALTAR.
WESTERN MEDITERRANEAN SEA.
MOROCCO.
DNC 01, DNC 08.
1. DUE TO SAFETY MEASURES TO COMBAT COVID-19,
ALL MOROCCAN PORTS WILL BE CLOSED TO
PLEASURE CRAFT AND PASSENGER SHIPS
UNTIL FURTHER NOTICE.
2. CANCEL HYDROLANT 981/20.
(161552Z MAR 2020)
- 1028/20(52,53).
EASTERN MEDITERRANEAN SEA.
STRAIT OF SICILY.
TUNISIA.
DNC 08, DNC 09.
1. DUE TO SAFETY MEASURES TO COMBAT COVID-19,
ALL TUNISIAN PORTS WILL BE CLOSED TO
PLEASURE CRAFT, FISHING VESSELS AND
PASSENGER SHIPS UNTIL FURTHER NOTICE.
2. CONTACT TUNISIAN COAST GUARD AND LOCAL PORT
AUTHORITIES FOR FURTHER INSTRUCTIONS.
3. CANCEL HYDROLANT 1014/20.
(181202Z MAR 2020)
- 1054/20(GEN).
NGA MARITIME SAFETY OFFICE STATUS AND SUPPORT.
COVID-19 UPDATE.
1. NGA IS EXECUTING A MISSION CRITICAL POSTURE
FOR MANNING AND SUPPORT DURING THE COVID-19
PANDEMIC. NGA WILL MAINTAIN THE REQUISITE
STAFFING AND CAPACITY TO OPERATE THE 24/7
NAVSAFETY WATCH, PUBLISH THE WEEKLY NOTICE
TO MARINERS AND PROVIDE DNC CRITICAL
CORRECTIONS.
2. ALL OTHER SERVICES AND PRODUCTS WILL BE
SUPPORTED ON A CASE BY CASE BASIS AS MISSION
NEEDS DICTATE.
3. NGA REMAINS ACCESSIBLE THROUGH ITS NORMAL
POINTS OF CONTACT.
4. FOR URGENT SERVICE, CONTACT NGA NAVSAFETY,
DSN: 547 5455,
COMM: 800 362 6289 OR 571 557 5455,
E-MAIL: NAVSAFETY@NGA.MIL OR
MSG TO NGA NAVSAFETY WASHINGTON DC.
(201616Z MAR 2020)
- 1756/20(54).
AEGEAN SEA.
DNC 09.
1. HAZARDOUS OPERATIONS 0500Z TO 1600Z DAILY
27 MAY THRU 14 JUL, 16 THRU 29 JUL,
04 THRU 28 AUG, 31 AUG THRU 27 OCT,
30 OCT, 02 THRU 09 NOV, AND
11 NOV THRU 31 DEC
EXCEPT SATURDAYS AND SUNDAYS
IN AREA BOUND BY
37-24.0N 026-00.0E, 37-24.0N 026-04.0E,
37-27.0N 026-17.0E, 37-08.5N 026-27.5E,
37-05.0N 026-09.0E.
2. CANCEL THIS MSG 311700Z DEC 20.
(251226Z MAY 2020)

1759/20(54).

AEGEAN SEA.
DNC 09.

1. HAZARDOUS OPERATIONS 0500Z TO 1600Z DAILY
27 MAY THRU 14 JUL, 16 THRU 29 JUL,
04 THRU 28 AUG, 31 AUG THRU 27 OCT,
30 OCT, 02 THRU 09 NOV, AND
11 NOV THRU 31 DEC
EXCEPT SATURDAYS AND SUNDAYS
IN AREA BOUND BY
40-35.0N 024-58.0E, 40-18.0N 025-30.0E,
40-16.5N 025-39.0E, 40-07.0N 025-33.0E,
40-20.0N 024-56.0E, 40-09.0N 024-45.0E,
40-11.0N 024-33.0E.
2. CANCEL THIS MSG 311700Z DEC 20.

(251336Z MAY 2020)

1775/20(54).

AEGEAN SEA.
DNC 09.

1. HAZARDOUS OPERATIONS 0500Z TO 1600Z DAILY
27 MAY THRU 14 JUL, 16 THRU 29 JUL,
04 THRU 28 AUG, 31 AUG THRU 27 OCT,
30 OCT, 02 THRU 09 NOV, AND
11 NOV THRU 31 DEC
EXCEPT SATURDAYS AND SUNDAYS
IN AREA BOUND BY
39-14N 024-40E, 39-20N 024-58E,
39-00N 025-10E, 38-54N 024-52E.
2. CANCEL THIS MSG 311700Z DEC 20.

(261237Z MAY 2020)

1826/20(52).

WESTERN MEDITERRANEAN SEA.
ALGERIA.
DNC 08.

CAP BENGUT LIGHT 36-55.3N 003-53.6E UNLIT.

(312031Z MAY 2020)

1880/20(54).

AEGEAN SEA.
DNC 09.

1. GUNNERY AND MISSILE OPERATIONS 0530Z TO SUNSET
WEDNESDAY THRU FRIDAY 10 JUN THRU 31 OCT AND
WEDNESDAY THRU SATURDAY 01 NOV THRU 31 DEC:
A. IN AREA BOUND BY
36-18.0N 024-07.0E, 36-18.0N 025-59.0E,
36-25.0N 026-12.0E, 36-16.0N 026-40.0E,
35-36.0N 026-41.0E, 35-31.0N 024-11.0E,
35-36.0N 024-07.0E.
B. IN AREA WITHIN ONE MILE OF
35-32.0N 024-13.0E.
C. IN AREA WITHIN ONE MILE OF
35-36.3N 024-10.0E.
2. CANCEL HYDROLANT 4021/19.
3. CANCEL THIS MSG 01 JAN 21.

(060445Z JUN 2020)

1977/20(55).

BLACK SEA.
ROMANIA.
DNC 10.

1. UNDERWATER OPERATIONS IN PROGRESS UNTIL
31 DEC BY M/V ODISEI IN AREA BOUND BY
44-01.16N 028-39.60E, 44-01.22N 028-39.81E,
44-01.80N 028-39.89E, 44-03.79N 028-38.79E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 01 JAN 21.

(170248Z JUN 2020)

2033/20(52).

WESTERN MEDITERRANEAN SEA.
STRAIT OF SICILY.
TUNISIA.
DNC 08.

1. SURVEY OPERATIONS IN PROGRESS UNTIL 18 DEC BY
M/V ELMADANIA TG 1008 IN AREA BOUND BY
36-47.71N 010-17.75E, 36-47.61N 010-26.68E,
36-45.45N 010-26.66E, 36-45.55N 010-17.70E.
ONE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 19 DEC 20.

(241329Z JUN 2020)

- 2054/20(53).
MEDITERRANEAN SEA.
TUNISIA.
DNC 08.
1. SURVEY OPERATIONS 27 JUN THRU 26 DEC BY
M/V FELIX IN AREAS BOUND BY:
A. 37-18.19N 009-05.62E, 37-18.88N 010-03.61E,
37-01.59N 010-00.39E, 37-01.47N 009-56.76E.
B. 36-58.56N 011-05.30E, 36-00.60N 011-00.84E,
36-53.27N 011-00.15E, 36-52.21N 011-08.66E.
C. 36-39.43N 010-56.67E, 36-34.37N 011-12.79E,
36-27.91N 011-06.30E, 36-34.83N 010-53.56E.
D. 36-21.75N 010-49.93E, 36-14.44N 010-57.99E,
36-10.31N 010-50.57E, 36-17.80N 010-44.50E.
E. 35-55.64N 010-38.26E, 35-53.48N 010-50.84E,
35-49.18N 010-50.33E, 35-51.08N 010-03.88E.
F. 35-42.63N 011-00.10E, 35-42.77N 011-00.57E,
35-37.88N 011-10.27E, 35-35.61N 011-05.36E.
G. 34-00.81N 010-54.54E, 33-59.67N 011-16.05E,
33-29.32N 011-13.79E, 33-30.90N 010-52.17E.
ONE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 27 DEC 20. (261338Z JUN 2020)
- 2192/20(53).
WESTERN MEDITERRANEAN SEA.
FRANCE.
DNC 08.
1. NAVTEX STATION CROSS LA GARDE (W) 43-06.3N 005-59.5E
OFF AIR.
2. CANCEL HYDROLANT 199/20. (101709Z JUL 2020)
- 2357/20(24).
WESTERN SOUTH ATLANTIC.
BRAZIL-NORTHEAST COAST.
DNC 01.
DANGEROUS WRECK IN 07-51.2S 034-43.3W. (272212Z JUL 2020)
- 2442/20(53).
EASTERN MEDITERRANEAN SEA.
MALTA.
DNC 09.
GPS UNRELIABLE IN VICINITY MALTA (35-53N 014-27E). (061934Z AUG 2020)
- 2491/20(24).
WESTERN NORTH ATLANTIC.
BRAZIL-NORTH COAST.
DNC 14.
1. CABO ORANGE LIGHT 04-25-59N 051-32-12W UNLIT
UNTIL 07 FEB 21.
2. CANCEL HYDROLANT 835/20.
3. CANCEL THIS MSG 08 FEB 21. (112036Z AUG 2020)
- 2520/20(43).
NORWEGIAN SEA.
NORWAY.
DNC 20.
1. ALL NAVIGATIONAL AIDS AT PLATFORM 211/18-A
61-21.8N 001-34.8E INOPERATIVE.
2. CANCEL HYDROLANT 2134/20. (141627Z AUG 2020)
- 2766/20(55).
BLACK SEA.
ROMANIA.
DNC 10.
1. UNDERWATER OPERATIONS IN PROGRESS UNTIL 31 DEC
BY CABLESHIP BIGFOOT IN AREA BOUND BY
44-31.89N 028-46.19E, 44-31.89N 030-10.04E,
44-03.02N 030-10.04E, 44-03.02N 028-46.19E.
WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 2548/20.
3. CANCEL THIS MSG 01 JAN 21. (091101Z SEP 2020)

2907/20(52).
 ALBORAN SEA.
 ALGERIA.
 DNC 08.
 ILE RACHGOUN LIGHT 35-19.4N 001-28.5W UNLIT.
 (241231Z SEP 2020)

2910/20(56).
 EASTERN MEDITERRANEAN SEA.
 LIBYA.
 DNC 09.
 VESSEL REQUESTING ASSISTANCE IN VICINITY
 33-00N 014-04E. VESSELS IN VICINITY REQUESTED TO
 KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
 REPORTS TO JRCC LIBYA,
 PHONE: 2182 1444 6799, 2182 1563 1578,
 FAX: 2182 1360 6868, 2182 1444 6799,
 E-MAIL: SAR@ANS.CAA.GOV.LY,
 SALEM.ELKABIR@CAA.GOV.LY OR
 INTERIM LIBYAN MRCC,
 PHONE: 2182 1444 9488,
 FAX: 2182 1444 9149, 2182 1444 9274,
 E-MAIL: LCG.NAV.ROOM@GMAIL.COM, NHA@LTTNET.NET.
 (242013Z SEP 2020)

2914/20(52).
 WESTERN MEDITERRANEAN SEA.
 ALGERIA.
 DNC 08.
 CAP IVI LIGHT 36-06.8N 000-13.6E UNLIT.
 (250403Z SEP 2020)

2936/20(37).
 NORTH SEA.
 ENGLAND.
 DNC 20.
 FOG SIGNAL UNRELIABLE AT PLATFORMS:
 A. 48/6B, 53-43.1N 001-07.1E.
 B. 48/6C, 53-45.1N 001-04.8E.
 (270650Z SEP 2020)

3036/20(51).
 EASTERN NORTH ATLANTIC.
 MOROCCO.
 WESTERN SAHARA.
 DNC 01, DNC 08.
 1. GUNNERY EXERCISES:
 A. IN PROGRESS UNTIL 30 DEC
 BETWEEN 270 DEGREES AND 360 DEGREES IN AREA
 WITHIN 20 MILES OF 29-53N 010-15W.
 B. IN PROGRESS UNTIL 30 DEC
 BETWEEN 270 DEGREES AND 360 DEGREES IN AREA
 WITHIN 20 MILES OF 27-00N 013-50W.
 C. IN PROGRESS UNTIL 30 DEC
 BETWEEN 270 DEGREES AND 360 DEGREES IN AREA
 WITHIN 20 MILES OF 23-35N 017-00W.
 D. 12 OCT THRU 31 DEC
 BETWEEN 270 DEGREES AND 360 DEGREES IN AREA
 WITHIN 20 MILES OF 33-41N 008-03W.
 2. CANCEL HYDROLANT 2937/20.
 3. CANCEL THIS MSG 01 JAN 21.
 (061351Z OCT 2020)

3073/20(35).
 NORTH MINCH.
 SCOTLAND.
 DNC 19.
 1. 24.5 METER SHOAL IN 57-55.00N 006-31.96W.
 2. CANCEL HYDROLANT 3072/20.
 (092016Z OCT 2020)

3265/20(24).
 WESTERN SOUTH ATLANTIC.
 DNC 01.
 1. ODAS BUOY, FL (5) Y 20 SEC, TEMPORARILY
 ESTABLISHED IN 24-40.75S 042-09.72W
 UNTIL 03 APR 21.
 2. CANCEL THIS MSG 04 APR 21.
 (261826Z OCT 2020)

3288/20(52).

STRAIT OF SICILY.
WESTERN MEDITERRANEAN SEA.
TUNISIA.

DNC 08.

1. CABLE OPERATIONS IN PROGRESS UNTIL 19 JAN 21
BY M/V ISE DOUESSANT IN AREA BOUND BY
37-43.1N 010-41.2E, 37-24.6N 011-29.9E,
37-22.6N 011-28.9E, 37-41.2N 010-40.0E.
ONE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 20 JAN 21.

(281518Z OCT 2020)

3345/20(55).

BLACK SEA.
TURKEY.
DNC 10.

1. UNDERWATER OPERATIONS 31 OCT 20 THRU 13 JAN 21
BY M/V FATIH, M/V SIEM KORKUT, M/V SIEM ALTAN
AND M/V SIEM SANCAR IN AREA BOUND BY
42-53.27N 031-14.63E, 42-53.27N 031-17.35E,
42-51.27N 031-17.35E, 42-51.27N 031-14.63E.
TEN MILE BERTH REQUESTED.
2. CANCEL THIS MSG 14 JAN 21.

(311347Z OCT 2020)

3353/20(54).

AEGEAN SEA.
DNC 09.

1. HAZARDOUS OPERATIONS 0600Z TO 0820Z DAILY 02
THRU 03 NOV AND 021245Z TO 021515Z NOV AND
0600Z TO 1300Z DAILY 04, 05, 09, 12,
16 THRU 19, 23 THRU 26, 30 NOV, 01 THRU 03,
07 THRU 10, 14 THRU 17, 21 THRU 24 AND
28 THRU 31 DEC 20
IN AREA BOUND BY
36-56N 023-29E, 36-42N 023-32E,
36-41N 023-48E, 36-47N 023-55E.
2. CANCEL HYDROLANT 3342/20.
3. CANCEL THIS MSG 311400Z DEC 20.

(010255Z NOV 2020)

3368/20(35).

NORTH MINCH.
SCOTLAND.
DNC 19.

1. F/V SANK IN 57-52.8N 006-21.2W AT 021410Z NOV.
2. CANCEL HYDROLANT 3360/20.

(021731Z NOV 2020)

3370/20(54).

AEGEAN SEA.
DNC 09.

1. CABLE OPERATIONS 04 NOV UNTIL FURTHER NOTICE BY
M/V ISAAC NEWTON IN VICINITY OF TRACKLINE JOINING
35-31.16N 023-42.94E, 35-56.09N 023-42.40E.
WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 3142/20.

(030007Z NOV 2020)

3393/20(54,56).

EASTERN MEDITERRANEAN SEA.
CYPRUS-SOUTHWEST COAST.
DNC 10.

1. SURVEY OPERATIONS IN PROGRESS UNTIL 162059Z FEB 21
BY M/V BARBAROS HAYREDDIN PASA, M/V TANUX-1 AND
M/V APOLLO MOON IN AREA BOUND BY
33-52.82N 030-39.30E, 33-55.22N 031-04.33E,
33-56.90N 031-21.47E, 33-53.12N 031-39.00E,
34-21.78N 031-38.53E, 34-20.87N 030-38.52E.
FIVE MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 3075/20.
3. CANCEL THIS MSG 162159Z FEB 21.

(041240Z NOV 2020)

3397/20(37).

ENGLISH CHANNEL.
ENGLAND.
DNC 20.
SURVEY OPERATIONS IN PROGRESS UNTIL FURTHER
NOTICE BY M/V EGS PIONEER
IN VICINITY OF TRACKLINE JOINING
50-14.4N 000-03.6E, 50-33.8N 000-02.9E.
WIDE BERTH REQUESTED.

(041513Z NOV 2020)

3430/20(55).

BLACK SEA.
TURKEY.
DNC 10.
1. SURVEY OPERATIONS IN PROGRESS UNTIL 14 APR 21
BY M/V OCEANIC VEGA, M/V MAINPORT PINE AND
M/V AQUARIUS-G IN AREA BOUND BY
42-29.03N 029-49.06E, 42-16.51N 029-49.69E,
42-18.31N 031-12.84E, 42-35.67N 031-12.35E,
42-35.90N 032-27.59E, 43-18.18N 032-27.21E,
43-20.53N 031-59.99E, 43-26.63N 031-20.71E,
43-19.75N 031-06.61E, 43-05.36N 030-53.25E,
42-56.57N 030-45.17E, 42-55.94N 030-44.37E,
42-49.37N 030-36.36E, 42-47.86N 030-34.16E.
FIVE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 15 APR 21.

(061200Z NOV 2020)

3527/20(24).

WESTERN SOUTH ATLANTIC.
BRAZIL-EAST COAST.
DNC 01.
1. NAVIGATION PROHIBITED AREA ESTABLISHED
UNTIL 13 MAY 21 IN AREA BOUND BY
10-51.51S 036-52.91W, 10-51.52S 036-52.88W,
10-51.55S 036-52.88W, 10-51.56S 036-52.89W,
10-51.57S 036-53.00W, 10-51.55S 036-53.02W,
10-51.52S 036-53.02W, 10-51.51S 036-52.97W.
2. CANCEL THIS MSG 14 MAY 21.

(130855Z NOV 2020)

3533/20(24).

WESTERN SOUTH ATLANTIC.
BRAZIL-NORTH COAST.
DNC 01.
1. ILHO DO APEU LIGHT 00-54.7N 046-11.3W DAMAGED
AND UNLIT.
2. CANCEL THIS MSG 13 MAY 21.

(131745Z NOV 2020)

3565/20(52).

EASTERN MEDITERRANEAN SEA.
TUNISIA.
DNC 08.
1. SURVEY OPERATIONS IN PROGRESS UNTIL 07 MAR 21
BY M/V MAIDIVE TUNISIA 1 AND M/V BARAKA IN:
A. 36-06.90N 010-49.26E.
B. 36-22.54N 010-54.17E.
ONE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 08 MAR 21.

(171435Z NOV 2020)

3600/20(55).

BLACK SEA.
UKRAINE.
DNC 10.
1. GUNNERY EXERCISES IN PROGRESS UNTIL 191800Z DEC
IN AREAS BOUND BY:
A. 45-44.5N 031-33.0E, 45-45.3N 032-01.0E,
45-36.3N 032-01.0E, 45-36.0N 031-33.0E.
B. 45-24.0N 031-34.0E, 45-24.0N 032-00.0E,
45-11.0N 032-00.0E, 45-11.0N 031-34.0E.
2. CANCEL THIS MSG 191900Z DEC 20.

(191815Z NOV 2020)

3603/20(24).

WESTERN SOUTH ATLANTIC.
 BRAZIL-NORTH COAST.
 DNC 01.
 1. TUTOIA LIGHT 02-43.59S 042-22.41W UNLIT UNTIL
 18 MAY 21.
 2. CANCEL THIS MSG 19 MAY 21.

(200417Z NOV 2020)

3669/20(24).

WESTERN SOUTH ATLANTIC.
 BRAZIL-SOUTH COAST.
 DNC 01.
 1. HAZARDOUS OPERATIONS 010001Z TO 182359Z DEC
 IN AREA BOUND BY
 24-09S 043-26W, 24-15S 043-47W,
 24-35S 043-42W, 24-29S 043-22W.
 2. CANCEL THIS MSG 190059Z DEC 20.

(251938Z NOV 2020)

3672/20(52).

WESTERN MEDITERRANEAN SEA.
 ALBORAN SEA.
 ALGERIA.
 DNC 08.
 1. SURVEY OPERATIONS IN PROGRESS UNTIL 20 DEC
 BY M/V BELKACEM GRINE IN AREA BOUND BY
 36-19-44N 001-28-49W, 36-41-20N 000-51-59W,
 37-00-00N 000-00-00E, 37-36-30N 000-46-23E,
 37-38-04N 001-52-07E, 37-58-09N 002-45-56E,
 38-01-34N 004-26-57E, 38-14-14N 004-28-33E,
 38-13-41N 006-01-12E, 37-05-35N 006-01-16E,
 37-06-41N 002-59-16E, 36-45-22N 001-22-55E,
 35-43-31N 001-26-58W.
 WIDE BERTH REQUESTED.
 2. CANCEL THIS MSG 21 DEC 20.

(260002Z NOV 2020)

3674/20(24).

WESTERN SOUTH ATLANTIC.
 BRAZIL-SOUTH COAST.
 DNC 01.
 1. CABLE OPERATIONS IN PROGRESS UNTIL
 241100Z FEB 21 BY CABLESHIP PETER FABER
 AND CABLESHIP RECORDER IN:
 A. 35-38.12S 050-26.35W.
 B. 23-01.53S 043-27.44W.
 C. 24-03.08S 046-31.54W.
 WIDE BERTH REQUESTED.
 2. CANCEL THIS MSG 241200Z FEB 21.

(260135Z NOV 2020)

3677/20(37).

ENGLISH CHANNEL.
 FRANCE.
 DNC 20.
 CAP DE LA HAGUE LIGHT 49-43.3N 001-57.3W
 UNRELIABLE.

(261040Z NOV 2020)

3694/20(37).

ENGLISH CHANNEL.
 ENGLAND.
 DNC 20.
 1. DANGEROUS WRECK, LEAST DEPTH 14.8 METERS,
 NAVIGATION PROHIBITED IN AREA WITHIN 0.1
 MILES OF 50-42.47N 000-04.06E.
 2. CANCEL HYDROLANT 3634/20.

(271431Z NOV 2020)

3705/20(55).

BLACK SEA.
 UKRAINE.
 DNC 10.
 1. HAZARDOUS OPERATIONS 010001Z DEC TO
 282359Z FEB 21 IN AREA BOUND BY
 46-00.0N 031-41.0E, 46-00.0N 031-54.9E,
 46-02.0N 032-17.9E, 45-54.0N 032-35.4E,
 45-40.0N 032-22.0E.
 2. CANCEL THIS MSG 010059Z MAR 21.

(272245Z NOV 2020)

3706/20(55).

BLACK SEA.
UKRAINE.
DNC 10.

1. HAZARDOUS OPERATIONS 010001Z DEC TO
282359Z FEB 21 IN AREA BOUND BY
45-31.4N 030-20.6E, 45-31.4N 030-35.4E,
44-59.2N 030-35.4E, 45-07.0N 030-04.0E,
45-14.2N 030-05.2E.
2. CANCEL THIS MSG 010059Z MAR 21.

(272251Z NOV 2020)

3707/20(24).

WESTERN SOUTH ATLANTIC.
BRAZIL-NORTHEAST COAST.
DNC 01.

1. RADIOBEACON AT PONTA DE CALCANHAR LIGHT
05-09.7S 035-29.2W INOPERATIVE UNTIL
261800Z MAY 21.
2. CANCEL THIS MSG 261900Z MAY 21.

(280216Z NOV 2020)

3712/20(51).

EASTERN NORTH ATLANTIC.
DNC 01.

1. SURVEY OPERATIONS 02 THRU 24 DEC
BY M/V FUGRO SUPPORTER ALONG TRACKLINE JOINING
19-23.8N 019-59.2W, 20-36.3N 019-55.5W,
21-29.0N 019-35.3W, 22-50.9N 019-17.0W,
24-20.7N 019-18.4W, 24-41.9N 019-14.0W.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 25 DEC 20.

(281520Z NOV 2020)

3716/20(54).

AEGEAN SEA.
DNC 09.

1. UNDERWATER OPERATIONS IN PROGRESS UNTIL 29 DEC
BY M/V URBANO MONTI ALONG TRACKLINE JOINING
36-50.1N 026-29.6E, 36-39.5N 025-57.7E,
36-20.6N 025-28.1E.
ONE MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 3709/20.
3. CANCEL THIS MSG 30 DEC 20.

(290036Z NOV 2020)

3717/20(55).

BLACK SEA.
UKRAINE.
DNC 10.

1. HAZARDOUS OPERATIONS 302100Z NOV TO
312100Z DEC IN AREA BOUND BY
44-24-18N 033-52-57E, 44-22-36N 033-52-57E,
44-22-36N 033-52-30E, 44-24-18N 033-52-30E.
2. CANCEL THIS MSG 312200Z DEC 20.

(290048Z NOV 2020)

3721/20(55).

BLACK SEA.
UKRAINE.
DNC 10.

1. MISSILE AND GUNNERY OPERATIONS 0500Z TO 1700Z
DAILY 01 THRU 31 DEC EXCEPT SUNDAYS
IN AREA BOUND BY
45-12.5N 032-37.8E, 45-15.0N 032-39.5E,
45-13.0N 032-45.8E, 45-11.6N 032-45.0E.
2. CANCEL THIS MSG 311800Z DEC 20.

(291242Z NOV 2020)

3722/20(55).

BLACK SEA.
UKRAINE.
DNC 10.

1. MISSILE AND GUNNERY OPERATIONS 0500Z TO 1700Z
DAILY 01 THRU 31 DEC EXCEPT SUNDAYS
IN AREA BOUND BY
45-42N 032-18E, 45-49N 032-28E,
45-41N 032-43E, 45-34N 032-32E.
2. CANCEL THIS MSG 311800Z DEC 20.

(291304Z NOV 2020)

3724/20(55).

BLACK SEA.

UKRAINE.

DNC 10.

1. MISSILE AND GUNNERY OPERATIONS 0500Z TO 1700Z

DAILY 01 THRU 31 DEC EXCEPT SUNDAYS

IN AREA BOUND BY

44-52.8N 032-54.9E, 44-58.0N 033-03.0E,

44-51.6N 033-10.9E, 44-47.5N 033-11.0E,

44-45.0N 033-05.5E.

2. CANCEL THIS MSG 311800Z DEC 20.

(291317Z NOV 2020)

3729/20(24).

WESTERN SOUTH ATLANTIC.

BRAZIL-NORTH COAST.

DNC 01.

1. CABLE OPERATIONS 300300Z NOV TO

130259Z FEB 21 BY CABLESHIP ILE DE BREHAT

ALONG TRACKLINE JOINING

03-44.36S 038-27.16W, 03-44.26S 038-25.06W,

03-40.46S 038-16.48W, 03-37.35S 038-09.53W,

03-36.70S 038-03.71W, 03-35.71S 037-58.70W,

03-34.07S 037-56.18W, 03-29.15S 037-51.34W,

03-15.02S 037-45.53W, 02-59.48S 037-28.49W,

02-50.60S 037-16.72W, 02-22.59S 036-58.59W,

02-00.90S 036-40.84W, 01-18.21S 036-08.25W.

WIDE BERTH REQUESTED.

2. CANCEL THIS MSG 130359Z FEB 21.

(292147Z NOV 2020)

3730/20(55).

BLACK SEA.

UKRAINE.

DNC 10.

1. MISSILE AND GUNNERY OPERATIONS 0500Z TO 1700Z

DAILY 01 THRU 31 DEC EXCEPT SUNDAYS IN AREA

BOUND BY

45-03.5N 036-17.0E, 44-57.5N 036-23.0E,

44-45.0N 036-24.0E, 44-45.0N 035-50.0E,

45-00.0N 035-50.0E.

2. CANCEL THIS MSG 311800Z DEC 20.

(300026Z NOV 2020)

3739/20(54).

EASTERN MEDITERRANEAN SEA.

SYRIA.

DNC 10.

1. HAZARDOUS OPERATIONS 0600Z TO 1500Z DAILY

03 AND 24 DEC IN AREA BOUND BY

35-08N 35-04E, 35-08N 35-27E,

34-49N 35-27E, 34-49N 35-04E.

2. CANCEL THIS MSG 241600Z DEC 20.

(011006Z DEC 2020)

3750/20(52,53).

STRAIT OF SICILY.

EASTERN MEDITERRANEAN SEA.

PANTELLERIA.

SICILY.

DNC 08, DNC 09.

1. CABLE OPERATIONS IN PROGRESS UNTIL 28 FEB 21

BY M/V MSV OCEAN INTERVENTION II

IN AREAS BOUND BY:

A. 37-22.99N 011-46.91E, 37-48.36N 011-51.69E,

36-27.36N 013-24.00E, 36-05.00N 012-44.39E.

B. 36-38.71N 014-17.97E, 36-32.35N 014-18.54E,

36-37.66N 013-10.31E.

C. 37-01.36N 012-03.00E, 36-52.01N 011-42.00E,

36-32.00N 012-00.71E, 36-40.91N 012-18.00E.

WIDE BERTH REQUESTED.

2. CANCEL THIS MSG 01 MAR 21.

(021004Z DEC 2020)

3753/20(57).

EASTERN SOUTH ATLANTIC.

SOUTH AFRICA.

DNC 01.

UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER

NOTICE BY M/V YA TOIVO IN AREA BOUND BY

28-52.6S 016-14.1E, 28-52.5S 016-33.7E,

29-05.5S 016-33.9E, 29-05.6S 016-14.3E.

TWO MILE BERTH REQUESTED.

(021222Z DEC 2020)

- 3754/20(53).
WESTERN MEDITERRANEAN SEA.
ITALY.
DNC 08.
1. SURVEY OPERATIONS 05 THRU 15 DEC
BY M/V TETHYS II IN AREA WITHIN TWO MILES OF
43-25.2N 007-54.0E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 16 DEC 20. (021239Z DEC 2020)
- 3755/20(54,56).
EASTERN MEDITERRANEAN SEA.
CYPRUS-SOUTH COAST.
DNC 10.
1. HAZARDOUS OPERATIONS 0600Z TO 1500Z DAILY
04 AND 23 DEC IN AREA BOUND BY
34-00N 33-10E, 34-00N 33-50E,
33-35N 33-50E, 33-35N 33-10E.
2. CANCEL THIS MSG 231600Z DEC 20. (021256Z DEC 2020)
- 3756/20(55).
BLACK SEA.
UKRAINE.
DNC 10.
1. HAZARDOUS OPERATIONS 0900Z TO 1300Z
DAILY 05, 10, 15, 20, 25 AND 30 DEC
IN AREA BOUND BY
44-55N 036-25E, 44-56N 036-44E,
44-40N 036-44E, 44-40N 036-25E.
2. CANCEL THIS MSG 301400Z DEC 20. (021317Z DEC 2020)
- 3759/20(57).
EASTERN SOUTH ATLANTIC.
GABON.
DNC 01.
1. SURVEY OPERATIONS 04 DEC THRU 31 MAR 21
BY M/V POLARCUS ADIRA TOWING TEN SIX MILE
LONG CABLES IN AREA BOUND BY
03-43S 009-23E, 03-16S 009-52E,
04-07S 010-40E, 04-35S 010-10E.
EIGHT MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 3014/20.
3. CANCEL THIS MSG 01 APR 21. (021522Z DEC 2020)
- 3761/20(35).
SEA OF THE HEBRIDES.
SCOTLAND.
DNC 19.
CGOC BELFAST MF DSC AND R/T SERVICES AT TIRREE SITE
56-30.2N 006-57.9W UNRELIABLE. (021743Z DEC 2020)
- 3764/20(36).
IRISH SEA.
ISLE OF MAN.
DNC 20.
CABLE OPERATIONS IN PROGRESS UNTIL FURTHER
NOTICE BY CABLESHIP ILE DE BATZ
IN VICINITY OF TRACKLINE JOINING
54-05.8N 004-34.4W, 53-50.6N 004-34.9W.
ONE MILE BERTH REQUESTED. (030434Z DEC 2020)
- 3772/20(35).
EASTERN NORTH ATLANTIC.
NORTH MINCH.
SCOTLAND.
DNC 19, DNC 20.
CGOC STORNOWAY MF R/T SERVICE AT BUTT OF LEWIS
SITE 58-27.7N 006-13.9W OFF AIR. (040007Z DEC 2020)

3776/20(24).

WESTERN SOUTH ATLANTIC.
BRAZIL-NORTHEAST COAST.
DNC 01.

1. HAZARDOUS OPERATIONS 1500Z TO 2030Z DAILY
09 THRU 18 DEC IN AREA BOUND BY
05-53.68S 035-11.15W, 05-06.75S 034-36.06W,
05-25.69S 034-18.60W, 05-40.01S 034-12.64W,
05-55.37S 034-10.61W, 06-10.73S 034-12.64W,
06-24.05S 034-18.60W, 05-55.93S 035-11.36W.
2. CANCEL THIS MSG 182130Z DEC 20.

(041034Z DEC 2020)

3780/20(37).

ENGLISH CHANNEL.
ENGLAND.
DNC 20.

1. MINING OPERATIONS IN PROGRESS UNTIL
FURTHER NOTICE IN AREA BOUND BY
50-21.7N 004-18.5W, 50-17.8N 004-38.7W,
50-12.0N 004-35.7W, 50-13.6N 004-11.6W,
50-17.8N 004-13.0W, 50-20.9N 004-15.5W.
2. CANCEL HYDROLANT 3225/20.

(041503Z DEC 2020)

3795/20(56).

EASTERN MEDITERRANEAN SEA.
LEBANON.
DNC 10.

1. HAZARDOUS OPERATIONS 091700Z TO 091900Z,
161100Z TO 161400Z AND 281100Z TO 281300Z DEC
IN AREA BOUND BY
34-15.0N 034-34.0E, 34-10.0N 034-41.5E,
33-53.0N 034-26.0E, 34-00.0N 034-14.0E.
2. CANCEL THIS MSG 281400Z DEC 20.

(061307Z DEC 2020)

3801/20(24).

WESTERN SOUTH ATLANTIC.
BRAZIL-SOUTH COAST.
DNC 01.

1. HAZARDOUS OPERATIONS 1100Z TO 2100Z DAILY
12 THRU 18 DEC IN AREA BOUND BY
24-06.0S 045-27.0W, 24-01.0S 045-35.0W,
24-02.0S 045-46.5W, 24-14.0S 045-51.0W,
24-15.0S 045-36.0W.
2. CANCEL THIS MSG 182200Z DEC 20.

(070350Z DEC 2020)

3806/20(24).

WESTERN SOUTH ATLANTIC.
BRAZIL-SOUTH COAST.
DNC 01.

1. HAZARDOUS OPERATIONS 1100Z TO 2100Z DAILY
13 THRU 18 DEC IN AREA BOUND BY
23-45S 044-44W, 24-08S 044-35W,
23-50S 044-15W, 23-37S 044-18W.
2. CANCEL THIS MSG 182200Z DEC 20.

(080313Z DEC 2020)

3813/20(24).

WESTERN SOUTH ATLANTIC.
BRAZIL-SOUTHEAST COAST.
DNC 01.

1. SURVEY OPERATIONS IN PROGRESS UNTIL 15 DEC
BY M/V POLARCUS NAILA TOWING 12 6500 METER
LONG CABLES IN AREA BOUND BY
22-23S 039-47W, 22-31S 039-47W,
22-48S 039-59W, 22-34S 040-24W,
22-19S 040-23W, 22-08S 040-14W,
22-11S 040-06W, 22-08S 039-59W,
22-16S 039-42W.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 16 DEC 20.

(090840Z DEC 2020)

3821/20(24).
 WESTERN SOUTH ATLANTIC.
 BRAZIL-SOUTH COAST.
 DNC 01.
 1. NAVIGATION PROHIBITED UNTIL
 160259Z DEC IN AREA BOUND BY
 23-13.00S 044-15.00W, 23-13.00S 043-58.33W,
 23-21.25S 043-58.33W, 23-24.50S 044-15.00W.
 2. CANCEL THIS MSG 160359Z DEC 20.

(092146Z DEC 2020)

3822/20(24).
 WESTERN SOUTH ATLANTIC.
 BRAZIL-SOUTH COAST.
 DNC 01.
 1. HAZARDOUS OPERATIONS IN PROGRESS UNTIL
 160259Z DEC IN AREA BOUND BY
 23-09S 044-04W, 22-54S 044-04W,
 22-54S 043-41W, 23-09S 043-41W.
 2. CANCEL THIS MSG 160359Z DEC 20.

(092158Z DEC 2020)

3825/20(24).
 WESTERN SOUTH ATLANTIC.
 BRAZIL-SOUTH COAST.
 DNC 01.
 1. NAVIGATION PROHIBITED UNTIL
 152100Z DEC WITHIN FOUR MILES OF
 23-02.10S 044-02.83W.
 2. CANCEL THIS MSG 152200Z DEC 20.

(092223Z DEC 2020)

3826/20(24).
 WESTERN SOUTH ATLANTIC.
 BRAZIL-SOUTHEAST COAST.
 DNC 01.
 1. SURVEY OPERATIONS 11 THRU 19 DEC
 BY M/V OCEANIC SIRIUS TOWING 12 12000 METER
 LONG CABLES IN AREA BOUND BY
 26-47.47S 042-25.97W, 24-18.62S 042-21.21W,
 24-18.80S 042-06.62W, 24-06.12S 042-06.45W,
 23-31.55S 040-58.48W, 22-50.33S 039-56.13W,
 22-35.07S 037-41.03W, 26-34.27S 037-35.21W.
 WIDE BERTH REQUESTED.
 2. CANCEL THIS MSG 20 DEC 20.

(100426Z DEC 2020)

3832/20(24).
 WESTERN SOUTH ATLANTIC.
 BRAZIL-SOUTHEAST COAST.
 DNC 01.
 1. SURVEY OPERATIONS IN PROGRESS UNTIL 29 JAN 21
 BY M/V RAMFORM TITAN TOWING 14 10000 METER
 LONG CABLES IN AREA BOUND BY
 21-45.49S 039-41.27W, 21-45.55S 038-37.17W,
 22-12.53S 038-37.10W, 22-12.53S 038-22.85W,
 23-29.23S 038-22.92W, 23-29.10S 039-53.28W,
 22-01.23S 039-52.72W.
 WIDE BERTH REQUESTED.
 2. CANCEL HYDROLANT 3812/20.
 3. CANCEL THIS MSG 30 JAN 21.

(110410Z DEC 2020)

3834/20(GEN).
 1. HYDROLANT WARNINGS IN FORCE AS OF 111400Z DEC 20.
 ONLY THOSE WARNINGS ISSUED DURING THE LAST SIX WEEKS
 ARE LISTED HEREIN.
 3833/20, 3832/20, 3830/20, 3829/20, 3828/20, 3827/20,
 3826/20, 3825/20, 3822/20, 3821/20, 3816/20, 3813/20,
 3808/20, 3806/20, 3801/20, 3795/20, 3794/20, 3792/20,
 3786/20, 3784/20, 3780/20, 3777/20, 3776/20, 3772/20,
 3764/20, 3761/20, 3759/20, 3756/20, 3755/20, 3754/20,
 3753/20, 3750/20, 3747/20, 3739/20, 3730/20, 3729/20,
 3724/20, 3722/20, 3721/20, 3717/20, 3716/20, 3712/20,
 3707/20, 3706/20, 3705/20, 3704/20, 3702/20, 3694/20,
 3677/20, 3676/20, 3674/20, 3672/20, 3669/20, 3654/20,
 3603/20, 3600/20, 3565/20, 3533/20, 3532/20, 3527/20,
 3476/20, 3430/20, 3397/20, 3393/20, 3370/20, 3368/20,
 3355/20, 3353/20.
 2. THE SUMMARY OF ALL HYDROLANT WARNINGS IN FORCE AS OF
 28 DEC 2019 IS GIVEN IN SEC III OF NTM 52/19.
 WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE

- SUMMARIZED IN NTM 13/20, 26/20 AND 39/20.
 3. THE COMPLETE TEXT OF ALL IN-FORCE HYDROLANT
 BROADCAST WARNINGS ARE AVAILABLE ON THE NGA
 MARITIME SAFETY INFORMATION WEBSITE AT:
 msi.nga.mil/NavWarnings.
 ALTERNATIVELY, THESE MAY BE REQUESTED BY E-MAIL
 FROM NGA AT NAVSAFETY@NGA.MIL.
 4. CANCEL HYDROLANT 3645/20, 3773/20, 3779/20, 3824/20.

(111403Z DEC 2020)

3835/20(51).

NORTH ATLANTIC.
 AZORES.
 DNC 08.

1. CABLE OPERATIONS 140900Z DEC TO 152359Z JAN 21
 BY M/V REBECCA ALONG TRACKLINE JOINING
 38-14N 028-37W, 37-16N 027-01W, 36-42N 025-50W,
 36-40N 024-53W, 36-32N 022-27W, 36-25N 020-35W,
 36-20N 017-35W.
 WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 160100Z JAN 21.

(111513Z DEC 2020)

3852/20(54).

AEGEAN SEA.
 DNC 09.

CABLE OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE
 BY CABLESHIP NORMAND PACIFIC IN 36-22.13N 023-05.25E.
 WIDE BERTH REQUESTED.

(141308Z DEC 2020)

3853/20(23,29).

WESTERN SOUTH ATLANTIC.
 SCOTIA SEA.
 ANTARCTICA.
 DNC 01, DNC 07.

1. ICEBERGS REPORTED IN:
 - A. A68A, 55-06S 038-10W.
 - B. A68C, 52-37S 026-03W.
 - C. 58-01S 051-53W.
 - D. 56-30S 036-31W.
 - E. 56-15S 037-22W.
 - F. 55-49S 037-27W.
 - G. 54-38S 039-29W.
 - H. 52-36S 025-59W.
2. CANCEL THIS MSG 151411Z DEC 20.

(141411Z DEC 2020)

3854/20(29).

WEDDELL SEA.
 ANTARCTICA.
 DNC 29.

1. ICEBERGS REPORTED IN:
 - A. A63, 71-51S 051-37W.
 - B. A64, 69-44S 060-59W.
 - C. A69A, 68-23S 060-37W.
 - D. A69B, 67-53S 061-17W.
 - E. B09I, 70-48S 039-59W.
2. CANCEL THIS MSG 151611Z DEC 20.

(141611Z DEC 2020)

3855/20(37).

NORTH SEA.
 ENGLAND.
 DNC 20.

PLATFORM 48/20-PN 53-27.7N 001-55.0E ALL
 AIDS TO NAVIGATION INOPERATIVE.

(141811Z DEC 2020)

3858/20(51).

EASTERN NORTH ATLANTIC.
 MOROCCO.
 DNC 08.

1. UNDERWATER OPERATIONS IN PROGRESS UNTIL
 FURTHER NOTICE BY M/V EDDA FLORA IN VICINITY
 OF TRACKLINE JOINING
 35-50.0N 005-58.3W, 35-45.3N 005-57.2W.
 WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 3827/20.

(142015Z DEC 2020)

3859/20(51).

EASTERN NORTH ATLANTIC.
WESTERN SAHARA.

DNC 01.

1. DERELICT SIX METER VESSEL ADRIFT IN VICINITY
26-12N 015-37W AT 142000Z DEC.
2. CANCEL THIS MSG 172149Z DEC 20.

(142149Z DEC 2020)

3860/20(54).

EASTERN MEDITERRANEAN SEA.
CYPRUS-SOUTH COAST.

DNC 10.

1. HAZARDOUS OPERATIONS 140530Z TO 142200Z,
0530Z TO 1300Z DAILY 15 THRU 17,
AND 180530Z TO 181030Z DEC IN AREA BOUND BY
34-34.17N 032-56.48E, 34-32.61N 032-56.19E,
34-32.35N 032-56.18E, 34-32.36N 032-58.04E,
34-32.67N 032-58.05E, 34-34.16N 032-57.63E.
2. CANCEL THIS MSG 181130Z DEC 20.

(150105Z DEC 2020)

3861/20(54).

AEGEAN SEA.

DNC 09.

1. HAZARDOUS OPERATIONS 0600Z TO 1500Z DAILY
14 THRU 17 DEC IN AREA BOUND BY
36-56N 023-29E, 36-42N 023-32E,
36-41N 023-48E, 36-47N 023-55E.
2. CANCEL THIS MSG 171600Z DEC 20.

(150124Z DEC 2020)

3862/20(54).

AEGEAN SEA.

DNC 09.

1. HAZARDOUS OPERATIONS 141500Z TO 142100Z AND
151600Z TO 152100Z DEC IN AREA BOUND BY
37-10N 023-00E, 37-10N 023-36E,
37-00N 023-36E, 37-00N 023-00E.
2. CANCEL THIS MSG 152200Z DEC 20.

(150142Z DEC 2020)

3863/20(54).

AEGEAN SEA.

DNC 09.

1. HAZARDOUS OPERATIONS 1800Z TO 0400Z
DAILY 15 AND 16 DEC IN AREA BOUND BY
36-55N 023-05E, 36-55N 023-37E,
37-12N 023-37E, 37-12N 023-05E.
2. CANCEL THIS MSG 170500Z DEC 20.

(150147Z DEC 2020)

3864/20(55).

BLACK SEA.

TURKEY.

DNC 10.

1. GUNNERY EXERCISES 151100Z TO 151300Z AND
160800Z TO 161000Z DEC IN AREA BOUND BY
41-57.67N 030-54.69E, 41-57.67N 031-15.00E,
41-47.67N 031-15.00E, 41-47.67N 030-54.69E.
2. CANCEL THIS MSG 161100Z DEC 20.

(150156Z DEC 2020)

3865/20(54).

EASTERN MEDITERRANEAN SEA.
CYPRUS-SOUTH COAST.

DNC 10.

1. HAZARDOUS OPERATIONS 0700Z TO 2130Z
DAILY 15 THRU 17 DEC IN AREA BOUND BY
34-58.6N 033-55.3E, 34-53.8N 033-54.3E,
34-53.3N 033-52.5E, 34-53.5N 033-50.2E,
34-54.7N 033-48.0E, 34-58.2N 033-48.6E.
2. CANCEL THIS MSG 172230Z DEC 20.

(150202Z DEC 2020)

- 3867/20(54).
EASTERN MEDITERRANEAN SEA.
CRETE.
DNC 09.
1. HAZARDOUS OPERATIONS 0600Z TO 1500Z DAILY
15 THRU 17 DEC IN AREA BOUND BY
35-30N 022-50E, 35-13N 023-23E,
34-56N 023-04E, 35-10N 022-10E.
2. CANCEL THIS MSG 171600Z DEC 20.
(150214Z DEC 2020)
- 3868/20(54).
AEGEAN SEA.
DNC 09.
1. HAZARDOUS OPERATIONS 0600Z TO 1400Z
DAILY 16 AND 17 DEC IN AREA BOUND BY
36-40N 023-40E, 36-40N 024-10E,
36-20N 024-10E, 36-20N 023-40E.
2. CANCEL THIS MSG 171500Z DEC 20.
(150221Z DEC 2020)
- 3869/20(54).
EASTERN MEDITERRANEAN SEA.
DNC 10.
1. HAZARDOUS OPERATIONS 160700Z TO 182000Z DEC
IN AREA BOUND BY
36-50N 028-27E, 36-50N 029-08E,
36-13N 029-11E, 36-13N 028-29E.
2. CANCEL THIS MSG 182100Z DEC 20.
(150229Z DEC 2020)
- 3870/20(54).
AEGEAN SEA.
DNC 09.
1. HAZARDOUS OPERATIONS 161500Z TO 162100Z DEC
IN AREA BOUND BY
37-10N 023-00E, 37-10N 023-36E,
37-00N 023-36E, 37-00N 023-00E.
2. CANCEL THIS MSG 162200Z DEC 20.
(150237Z DEC 2020)
- 3871/20(57).
GULF OF GUINEA.
DNC 01.
1. M/V ATTACKED IN 02-00N 004-33E AT 150337Z DEC.
VESSELS ARE ADVISED TO KEEP CLEAR OF
THIS POSITION AND TO EXERCISE EXTREME CAUTION.
REPORTS TO NAVAREA II,
PHONE: 332 9822 8888,
FAX: 332 5631 2584,
E-MAIL: WATCHKEEPERS@MDAT-GOG.ORG,
COORD.NAVAREA2@SHOM.FR.
2. CANCEL THIS MSG 220452Z DEC 20.
(150452Z DEC 2020)
- 3872/20(35).
NORTH SEA.
ENGLAND.
DNC 20.
1. NAVTEX STATION CULLERCOATS (G) 55-04.5N 001-27.8W
OFF AIR 0900Z TO 1530Z DAILY 15 THRU 17 DEC.
2. CANCEL THIS MSG 171630Z DEC 20.
(150504Z DEC 2020)

NAVAREA XII

2019 series

120/19(21).
EASTERN NORTH PACIFIC.
MEXICO.
CHART 21021.
DANGEROUS WRECK IN 31-50.14N 116-38.29W.

(041917Z APR 2019)

2020 series

301/20(22).
EASTERN NORTH PACIFIC.
COLOMBIA.
CHART 22050.
1. ISLA PALMAS LIGHT, FL (2) W 20 SEC 46 METERS
21.7 MILES, ESTABLISHED IN 03-54.1N 077-21.5W.
2. CANCEL NAVAREA XII 296/20.

(112342Z JUL 2020)

397/20(18,19).
NORTH PACIFIC.
CALIFORNIA.
1. CABLE OPERATIONS 04 SEP UNTIL FURTHER NOTICE
BY CABLESHIP RENE DESCARTES ALONG TRACKLINE
JOINING
43-56.18N 162-20.07W, 43-52.80N 161-08.81W,
43-53.49N 159-26.00W, 43-50.55N 158-19.71W,
44-36.67N 155-31.23W, 44-29.72N 153-59.62W,
44-26.00N 152-27.70W, 44-12.14N 150-52.45W,
43-54.72N 149-06.46W, 42-31.54N 142-08.73W,
41-33.61N 137-32.93W, 40-51.29N 134-30.57W,
39-06.82N 130-03.74W, 38-11.34N 128-25.85W,
36-58.15N 125-25.01W, 35-21.23N 123-01.73W,
35-19.62N 122-45.65W.
ONE MILE BERTH REQUESTED.
2. CANCEL NAVAREA XII 393/20.

(011904Z SEP 2020)

413/20(21).
EASTERN NORTH PACIFIC.
EL SALVADOR.
CHART 21520.
ACAJUTLA LIGHT 13-34.9N 89-50.0W UNRELIABLE.

(151514Z SEP 2020)

421/20(22).
EASTERN NORTH PACIFIC.
COLOMBIA.
CHART 22050.
PUNTA COL LIGHT 03-00.2N 078-10.1W OFF AIR.

(182353Z SEP 2020)

429/20(21).
GOLFO DE CALIFORNIA.
MEXICO.
CHART 21014.
ISLA SAN DIEGO LIGHT 25-12-00N 110-42-12W UNLIT.

(230852Z SEP 2020)

436/20(21).
EASTERN NORTH PACIFIC.
MEXICO.
CHART 21661.
ISLA SOCORRO LIGHT 18-43.3N 110-56.7W UNLIT.

(292331Z SEP 2020)

437/20(21).
EASTERN NORTH PACIFIC.
MEXICO.
CHART 21017.
CABO CORRIENTES LIGHT 20-24.0N 105-42.8W UNLIT.

(292350Z SEP 2020)

444/20(21).
GOLFO DE CALIFORNIA.
MEXICO.
CHART 21014.
YAMETO LIGHT 24-47.0N 108-05.0W UNLIT.

(022251Z OCT 2020)

- 445/20(21).
EASTERN NORTH PACIFIC.
MEXICO.
CHART 21023.
PUNTA MALDONADO LIGHT 16-19.2N 098-34.3W UNLIT.
(022320Z OCT 2020)
- 452/20(21).
GOLFO DE CALIFORNIA.
MEXICO.
CHART 21008.
DANGEROUS WRECK REPORTED
IN VICINITY 28-43.31N 112-16.23W.
(082053Z OCT 2020)
- 467/20(22).
EASTERN SOUTH PACIFIC.
ECUADOR.
ISLA SAN GREGORIO, PAYANA LIGHT
03-22-45S 080-18-13W UNLIT.
(152128Z OCT 2020)
- 477/20(16,96).
BERING STRAIT.
CHART 16005.
1. SCIENTIFIC MOORINGS ESTABLISHED:
A. A3-19, IN 66-19.60N 168-57.05W,
AT DEPTH 57 METERS, TOP FLOAT EIGHT METERS.
B. A2-19, IN 65-46.86N 168-34.07W,
AT DEPTH 56 METERS, TOP FLOAT 15 METERS.
C. A4-19, IN 65-44.75N 168-15.77W,
AT DEPTH 48 METERS, TOP FLOAT 15 METERS.
D. A3-20, IN 66-19.60N 168-57.60W,
AT DEPTH 59 METERS, TOP FLOAT 42 METERS.
E. A2-20, IN 65-46.86N 168-34.60W,
AT DEPTH 56 METERS, TOP FLOAT 45 METERS.
F. A4-20, IN 65-44.75N 168-16.31W,
AT DEPTH 49 METERS, TOP FLOAT 36 METERS.
2. CANCEL NAVAREA XII 430/19.
(211220Z OCT 2020)
- 523/20(22).
EASTERN SOUTH PACIFIC.
ECUADOR.
CHART 22090.
PUNTA SANTA ELENA LIGHT 02-11.2S 080-59.8W UNLIT.
(191735Z NOV 2020)
- 544/20(18,21).
EASTERN NORTH PACIFIC.
CALIFORNIA.
1. HAZARDOUS OPERATIONS IN PROGRESS UNTIL
010800Z JAN 21 IN AREA BOUND BY
32-33N 118-25W, 32-35N 118-16W,
32-35N 117-40W, 31-55N 117-40W,
31-55N 118-25W.
2. CANCEL THIS MSG 010900Z JAN 21.
(011827Z DEC 2020)
- 545/20(18).
EASTERN NORTH PACIFIC.
CALIFORNIA.
1. HAZARDOUS OPERATIONS IN PROGRESS UNTIL
010800Z JAN 21 IN AREA BOUND BY
32-55N 118-25W, 32-55N 118-15W,
32-40N 118-15W, 32-40N 118-35W,
32-45N 118-35W.
2. CANCEL THIS MSG 010900Z JAN 21.
(011930Z DEC 2020)
- 546/20(18).
EASTERN NORTH PACIFIC.
CALIFORNIA.
1. HAZARDOUS OPERATIONS IN PROGRESS UNTIL
010800Z JAN 21 IN AREA BOUND BY
32-52-42N 119-11-58W, 33-08-04N 118-52-05W,
33-08-04N 118-46-02W, 33-03-52N 118-41-48W,
33-02-32N 118-43-33W, 32-58-53N 118-43-31W,
32-47-40N 118-32-21W, 32-36-55N 118-45-00W,
32-36-55N 118-56-57W.
2. CANCEL THIS MSG 010900Z JAN 21.
(011954Z DEC 2020)

- 547/20(16,19).
 GULF OF ALASKA.
 NORTH PACIFIC.
 ALASKA.
 1. HAZARDOUS OPERATIONS, ROCKET LAUNCHING
 071900Z TO 072230Z DEC, ALTERNATE
 1900Z TO 2230Z DAILY 08 THRU 18 DEC
 IN AREAS BOUND BY:
 A. 57-25-33N 152-30-08W, 57-26-31N 152-29-42W,
 57-25-44N 152-20-52W, 57-29-08N 152-17-37W,
 57-26-31N 152-06-11W, 54-39-35N 153-28-13W,
 54-40-40N 153-43-32W.
 B. 44-49-26N 158-54-28W, 44-18-19N 156-09-28W,
 40-39-53N 157-24-22W, 41-15-40N 160-08-24W.
 2. CANCEL THIS MSG 182330Z DEC 20.
- (030520Z DEC 2020)
- 555/20(21).
 EASTERN NORTH PACIFIC.
 MEXICO.
 CHART 21017.
 CABO CORRIENTES LIGHT 20-24.0N 105-42.8W UNLIT.
- (052117Z DEC 2020)
- 557/20(21).
 EASTERN NORTH PACIFIC.
 MEXICO.
 CHART 21020.
 DANGEROUS WRECK IN 16-50.61N 099-51.58W.
- (110105Z DEC 2020)
- 558/20(21).
 EASTERN NORTH PACIFIC.
 MEXICO.
 CHART 21020.
 DANGEROUS WRECK IN 16-50.50N 099-51.89W.
- (110143Z DEC 2020)
- 559/20(18).
 EASTERN NORTH PACIFIC.
 CALIFORNIA.
 1. HAZARDOUS OPERATIONS 151500Z TO 152359Z DEC,
 ALTERNATE 1500Z TO 2359Z DAILY 16 THRU 18 DEC
 IN AREA BOUND BY
 33-19N 119-37W, 33-20N 119-31W,
 33-18N 119-26W, 33-18N 119-24W,
 33-14N 119-22W, 33-10N 119-24W,
 33-10N 119-31W, 33-12N 119-35W,
 33-14N 119-37W, 33-16N 119-38W.
 2. CANCEL THIS MSG 190059Z DEC 20.
- (110454Z DEC 2020)
- 560/20(18).
 EASTERN NORTH PACIFIC.
 CALIFORNIA.
 1. HAZARDOUS OPERATIONS 151500Z TO 152359Z DEC,
 ALTERNATE 1500Z TO 2359Z DAILY 16 THRU 18 DEC
 IN AREA BOUND BY
 33-16N 119-30W, 33-31N 119-21W,
 33-53N 119-20W, 33-56N 119-49W,
 33-42N 120-39W, 33-18N 120-56W,
 32-51N 120-44W, 32-37N 120-08W,
 32-55N 119-38W.
 2. CANCEL THIS MSG 190059Z DEC 20.
- (110541Z DEC 2020)
- 562/20(GEN).
 1. NAVAREA XII WARNINGS IN FORCE AS OF 111406Z DEC 20:
 560/20, 559/20, 558/20, 557/20, 555/20, 551/20,
 547/20, 546/20, 545/20, 544/20, 523/20, 477/20,
 467/20, 452/20, 445/20, 444/20, 437/20, 436/20,
 429/20, 421/20, 413/20, 397/20, 301/20.
 120/19.
 2. THE COMPLETE TEXT OF ALL IN-FORCE NAVAREA XII
 BROADCAST WARNINGS ARE AVAILABLE ON THE NGA
 MARITIME SAFETY INFORMATION WEBSITE AT:
msi.nga.mil/NavWarnings.
 ALTERNATIVELY, THESE MAY BE REQUESTED BY E-MAIL
 FROM THE NAVAREA XII COORDINATOR AT NAVSAFETY@NGA.MIL.
 3. CANCEL NAVAREA XII 533/20, 553/20.
- (111408Z DEC 2020)

563/20(18).

- EASTERN NORTH PACIFIC.
 CALIFORNIA.
 1. HAZARDOUS OPERATIONS 120001Z TO 240200Z DEC
 IN AREA BOUND BY
 30-50N 118-00W, 30-50N 117-40W,
 30-35N 117-40W, 30-35N 118-00W.
 2. CANCEL THIS MSG 240300Z DEC 20.

(112256Z DEC 2020)

564/20(21.83).

- EASTERN PACIFIC.
 1. HAZARDOUS OPERATIONS, SPACE DEBRIS
 171508Z TO 171841Z DEC, ALTERNATE
 181508Z TO 181841Z DEC
 IN AREA BOUND BY
 12-27S 135-24W, 11-03S 135-01W,
 04-31N 125-02W, 12-23N 118-23W,
 11-34N 117-22W, 01-11N 123-20W,
 11-32S 132-38W, 13-10S 134-27W.
 2. CANCEL THIS MSG 181941Z DEC 20.

(120414Z DEC 2020)

565/20(18).

- EASTERN NORTH PACIFIC.
 CALIFORNIA.
 1. HAZARDOUS OPERATIONS 1800Z TO 2359Z DAILY
 17 AND 18 DEC IN AREA BOUND BY
 32-35N 117-45W, 32-35N 117-55W,
 32-45N 117-55W, 32-45N 117-45W.
 2. CANCEL THIS MSG 190059Z DEC 20.

(120452Z DEC 2020)

570/20(GEN).

NOTIFICATION OF ON TRIAL IMPLEMENTATION OF
 THE IRIDIUM SAFETYCAST SERVICE.
 NAVAREA XII COMMENCED ITS "ON TRIAL" PHASE FOR
 IRIDIUM SAFETYCAST NAVIGATIONAL WARNINGS
 AT 141600Z DEC. NAVAREA XII WILL PROMULGATE
 SAFETYCAST MESSAGES AS PART OF A NUMBERED SERIES
 DURING THE "ON TRIAL" PHASE IN ACCORDANCE WITH THE
 JOINT IMO/IHO/WMO MARITIME SAFETY INFORMATION MANUAL.
 MESSAGES MAY BE INTERMITTENT AND WILL ALSO BE
 SUPPLEMENTED BY TEST MESSAGES WHICH WILL BE CLEARLY
 DEFINED IN THE MESSAGE HEADER. MARINERS ARE ADVISED
 THAT THE ON TRIAL PHASE WILL BE IN PLACE FOR
 NAVAREA XII UNTIL FURTHER NOTICE.
 SEE U.S. NOTICE TO MARINERS 52/20 FOR FURTHER INFORMATION.
 CONTACT INFORMATION FOR NAVAREA XII IS
 PHONE: 571 557 5455, EMAIL: NAVSAFETY@NGA.MIL.

(141727Z DEC 2020)

571/20(83).

- EASTERN NORTH PACIFIC.
 1. HAZARDOUS OPERATIONS, SPACE DEBRIS
 1700Z TO 1900Z DAILY 18 THRU 21 DEC
 IN AREA BOUND BY
 21-30N 134-00W, 21-27N 132-51W,
 06-21N 133-27W, 06-27N 134-36W.
 2. CANCEL THIS MSG 212000Z DEC 20.

(150644Z DEC 2020)

HYDROPACS

2018 series

3990/18(83).
 NORTH PACIFIC.
 KIRIBATI.
 DNC 12.
 CHART 83059.
 LIGHTS DAMAGED:
 A. BETIO 01-21.3N 172-55.2E.
 B. BIKEMAN ISLAND 01-23.2N 172-59.4E.

(050520Z NOV 2018)

2019 series

559/19(93).
 GULF OF TONKIN.
 VIETNAM.
 DNC 23.
 CHART 93620.
 DANGEROUS WRECK IN VICINITY 20-35.49N 107-00.30E.

(171409Z FEB 2019)

1308/19(62).
 PERSIAN GULF.
 U.A.E.
 DNC 10.
 CHART 62521.
 NAVIGATION PROHIBITED UNTIL FURTHER NOTICE
 IN AREA WITHIN 400 METERS OF:
 A. 25-10.30N 052-52.92E.
 B. 25-10.47N 052-52.85E.

(171528Z APR 2019)

1407/19(63).
 ARABIAN SEA.
 INDIA.
 DNC 03.
 CHART 63101.
 ARNALA LIGHT 19-27.4N 072-44.9E RANGE
 TEMPORARILY INCREASES TO 25 MILES.

(261109Z APR 2019)

1488/19(63).
 NORTHERN INDIAN OCEAN.
 ARABIAN SEA.
 INDIA.
 DNC 03.
 NAVTEX STATION MUTTAM POINT (L) 08-07.4N 077-19.1E
 OFF AIR.

(031140Z MAY 2019)

1742/19(62).
 PERSIAN GULF.
 U.A.E.
 DNC 10.
 UNDERWATER OPERATIONS IN PROGRESS UNTIL
 FURTHER NOTICE IN AREAS BOUND BY:
 A. 24-40.22N 052-52.61E, 24-39.08N 053-00.18E,
 24-30.79N 053-03.24E, 24-26.33N 052-56.63E,
 24-30.70N 052-52.08E.
 B. 24-24.57N 053-21.72E, 24-24.46N 053-28.22E,
 24-17.96N 053-28.09E, 24-18.07N 053-21.60E.
 WIDE BERTH REQUESTED.

(280744Z MAY 2019)

1778/19(63).
 ANDAMAN SEA.
 BAY OF BENGAL.
 NICOBAR ISLANDS.
 DNC 03.
 NAVTEX STATION KEATING POINT (K) 09-15.4N 092-46.5E
 OFF AIR.

(301043Z MAY 2019)

2041/19(93).
 GULF OF TONKIN.
 VIETNAM.
 DNC 23.
 CHART 93620.
 DANGEROUS WRECK IN 20-42.3N 107-05.5E.

(221306Z JUN 2019)

- 2173/19(62).
 PERSIAN GULF.
 KUWAIT.
 DNC 10.
 CHART 62541.
 WRECK OF METEOROLOGICAL TOWER MARKED BY LIGHT
 IN 28-46.0N 048-26.1E.
 (031618Z JUL 2019)
- 2343/19(93).
 GULF OF TONKIN.
 CHINA.
 DNC 23.
 CHART 93680.
 DANGEROUS WRECK IN 19-32.33N 107-42.27E.
 (201253Z JUL 2019)
- 2474/19(81).
 WESTERN NORTH PACIFIC.
 GUAM.
 DNC 12.
 1. NAVTEX STATION GUAM (V) 13-28.6N 144-50.1E
 OFF AIR.
 2. NAVTEX STATION GUAM (V) TRANSMITTING ON BACKUP
 4209.5 KHZ FREQUENCY.
 3. CANCEL HYDROPAC 2579/18.
 (021555Z AUG 2019)
- 2863/19(94).
 TAIWAN STRAIT.
 TAIWAN.
 DNC 23.
 UNDERWATER OBSTRUCTION IN 24-07N 119-55E.
 (311714Z AUG 2019)
- 2996/19(93).
 SOUTH CHINA SEA.
 VIETNAM.
 DNC 11.
 SURVEY OPERATIONS IN PROGRESS IN AREA BOUND BY:
 A. 12-30.67N 109-23.32E, 12-30.31N 109-17.44E,
 12-29.59N 109-16.69E.
 B. 12-29.48N 109-16.73E, 12-29.46N 109-16.71E,
 12-29.58N 109-16.59E, 12-29.64N 109-16.65E,
 12-29.52N 109-16.77E, 12-29.50N 109-16.74E,
 12-29.59N 109-16.64E, 12-29.58N 109-16.63E.
 WIDE BERTH REQUESTED.
 (121550Z SEP 2019)
- 3135/19(62,63).
 ARABIAN SEA.
 PAKISTAN.
 DNC 10.
 1. SHOALS REPORTED IN AREA BOUND BY
 25-06.1N 062-05.3E, 25-04.5N 062-08.5E,
 25-03.1N 062-07.3E, 25-04.2N 062-04.2E.
 2. CANCEL HYDROPAC 3121/19.
 (241316Z SEP 2019)
- 3254/19(82).
 WESTERN SOUTH PACIFIC.
 NEW CALEDONIA.
 DNC 06.
 OCEANOGRAPHIC EQUIPMENT ESTABLISHED IN:
 A. 23-36.6S 167-40.8E, AT DEPTH 480 METERS.
 B. 23-01.8S 168-16.8E, AT DEPTH 280 METERS.
 (020353Z OCT 2019)
- 3278/19(61).
 MOZAMBIQUE CHANNEL.
 COMOROS (MAYOTTE).
 DNC 02.
 1. VOLCANIC ACTIVITY REPORTED IN 12-54S 045-43E.
 2. CANCEL HYDROPAC 3072/19.
 (031541Z OCT 2019)

- 3337/19(62).
 PERSIAN GULF.
 U.A.E.
 DNC 10.
 SURVEY OPERATIONS IN PROGRESS BY
 M/V TERAS ARIEL, M/V DONG FANG KAN TAN NO 1
 AND M/V HAI BAO QI IN AREA BOUND BY
 25-04.71N 052-47.95E, 25-14.05N 052-51.45E,
 25-18.66N 052-51.52E, 25-18.67N 052-50.41E,
 25-16.93N 052-47.93E, 25-14.09N 052-48.09E,
 25-12.27N 052-43.42E, 25-07.75N 052-39.79E,
 24-56.45N 052-39.64E, 24-56.32N 052-51.18E,
 25-01.89N 052-51.27E.
 ONE MILE WIDE BERTH REQUESTED.
- (092353Z OCT 2019)
- 3408/19(93).
 GULF OF THAILAND.
 VIETNAM.
 DNC 03.
 HON NAM DU LIGHT 9-40.5N 104-21.2E TEMPORARILY
 UNLIT AND REPLACED BY AUXILIARY LIGHT. RANGE
 REDUCED TO TEN MILES.
- (161643Z OCT 2019)
- 3425/19(93).
 GULF OF THAILAND.
 VIETNAM.
 DNC 03.
 HO NAM DU LIGHT 09-40.5N 104-21.2E UNLIT,
 TEMPORARILY REPLACED BY AUXILIARY LIGHT,
 FL(3) W 10 SEC 10MILES.
- (171421Z OCT 2019)
- 3575/19(71).
 SOUTH CHINA SEA.
 INDONESIA.
 DNC 04.
 DANGEROUS WRECK IN 02-28S 109-26E.
- (300434Z OCT 2019)
- 3629/19(93).
 GULF OF TONKIN.
 VIETNAM.
 DNC 23.
 DANGEROUS WRECK IN 18-07.61N 106-29.26E.
- (030112Z NOV 2019)
- 3670/19(63).
 ARABIAN SEA.
 INDIA.
 DNC 03.
 NAVTEX STATION VERAVAL (H) 20-54N 070-23E INOPERATIVE.
- (071337Z NOV 2019)
- 3862/19(71).
 SOUTH CHINA SEA.
 DNC 11.
 PLATFORM ESTABLISHED IN 04-33.6N 106-22.8E.
- (250923Z NOV 2019)
- 4142/19(62).
 RED SEA.
 SUDAN.
 DNC 10.
 DEPTH REPORTED LESS THAN CHARTED DEPTH
 IN 19-29.77N 037-19.61E.
- (140927Z DEC 2019)
- 4172/19(62).
 PERSIAN GULF.
 U.A.E.
 DNC 10.
 1. METAL OBSTRUCTION, 2.4 METERS ABOVE SEABED
 IN 25-00.73N 053-10.12E.
 2. CANCEL HYDROPAC 4155/19(63).
- (161701Z DEC 2019)

2020 series

50/20(GEN).

WESTERN SOUTH PACIFIC.
NEW ZEALAND.
RCC NEW ZEALAND INMARSAT-C UNUSABLE 040519Z JAN
UNTIL FURTHER NOTICE. FOR ASSISTANCE CONTACT
RCC NEW ZEALAND.
E-MAIL: MARITIME@KORDIA.CO.NZ,
PHONE: 644 550 5280.

(040614Z JAN 2020)

262/20(63).

ARABIAN SEA.
DNC 03.
1. DERELICT VESSEL MT REEM-5 SANK IN
22-19.20N 065-06.60E.
2. CANCEL HYDROPAC 255/20.

(240928Z JAN 2020)

298/20(62).

PERSIAN GULF.
U.A.E.
DNC 10.
1. DANGEROUS WRECK, LEAST DEPTH NINE METERS,
IN 25-28.38N 055-24.93E.
2. CANCEL HYDROPAC 219/20.

(261518Z JAN 2020)

447/20(93).

SOUTH CHINA SEA.
VIETNAM.
DNC 11.
MAN OVERBOARD FROM F/V CM 2707 TS, IN VICINITY OF
10-02N 107-56E AT 090500Z FEB. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC VIETNAM,
FAX: 8422 5398 1615,
E-MAIL: HPLES-GMDSS@HPLES.COM.VN.

(091558Z FEB 2020)

782/20(71).

JAVA SEA.
INDONESIA.
DNC 04.
FISHERMAN MISSING FROM 12 METER F/V, THREE PERSONS ONBOARD,
WHITE HULL WITH BLUE AND RED STRIPES, IN
VICINITY OF 03-00S 109-00E.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE.
REPORTS TO RCC BASARNAS,
PHONE: 6221 6586 7510,
FAX: 6221 6586 7512,
E-MAIL: KAGAHAR@BASARNAS.GO.ID,
KAGAHAR@YAHOO.COM,
KAGAHAR@GMAIL.COM.

(090012Z MAR 2020)

914/20(GEN).

WESTERN SOUTH PACIFIC.
CORAL SEA.
NEW CALEDONIA.
1. PLEASURE CRAFT ARE PROHIBITED FROM STOPPING
OVER OR MOORING IN THE INTERNAL WATERS AND
TERRITORIAL WATERS OF NEW CALEDONIA.
2. PLEASURE CRAFT, IN TRANSIT, ALREADY PRESENT
IN TERRITORIAL WATERS, OR FORCED TO TAKE A
BREAK IN NEW CALEDONIA BECAUSE OF THEIR
AUTONOMY WILL HAVE TO REACH EXCLUSIVELY THE
PORT OF NOUMEA AND REPORT TO MRCC NOUMEA,
INMARSAT-C: 422799194,
PHONE: 687 292 332, 687 264 772,
687 292 121, 687 291 870,
FAX: 687 292 303,
E-MAIL: OPERATONS@MRCC.NC, MRCC.NC@LAGOON.NC.

(181656Z MAR 2020)

- 919/20(83).
SOUTH PACIFIC.
SAMOA.
DNC 06.
1. SAMOAN AUTHORITIES ADVISE THAT ALL VESSELS ENTERING SAMOA ARE REQUIRED TO USE APIA HARBOR (13-47.97S 171-45.52W) AS THE FIRST PORT OF ENTRY.
2. ALL VESSELS ENTERING WILL BE SCREENED AT APIA HARBOR (13-47.97S 171-45.52W) BEFORE DOCKING AT THE WHARE.
3. FURTHER RESTRICTION DETAILS CAN BE FOUND AT [HTTP:WWW.SAMOAGOV.TW/2020/03/HEALTH-TRAVEL-](http://WWW.SAMOAGOV.TW/2020/03/HEALTH-TRAVEL-)
- (190320Z MAR 2020)
- 921/20(83).
SOUTH PACIFIC.
NIUE.
DNC 06.
1. PORT OF ALOFI (19-02S 169-56W) CLOSED UNTIL FURTHER NOTICE.
2. CANCEL HYDROPAC 224/20.
- (190625Z MAR 2020)
- 947/20(GEN).
201616Z MAR 20
NGA MARITIME SAFETY OFFICE STATUS AND SUPPORT COVID-19 UPDATE.
1. NGA IS EXECUTING A MISSION CRITICAL POSTURE FOR MANNING AND SUPPORT DURING THE COVID-19 PANDEMIC. NGA WILL MAINTAIN THE REQUISITE STAFFING AND CAPACITY TO OPERATE THE 24/7 NAVSAFETY WATCH, PUBLISH THE WEEKLY NOTICE TO MARINERS AND PROVIDE DNC CRITICAL CORRECTIONS.
2. ALL OTHER SERVICES AND PRODUCTS WILL BE SUPPORTED ON A CASE BY CASE BASIS AS MISSION NEEDS DICTATE.
3. NGA REMAINS ACCESSIBLE THROUGH ITS NORMAL POINTS OF CONTACT.
4. FOR URGENT SERVICE, CONTACT NGA NAVSAFETY, DSN: 547 5455, COMM: 800 362 6289 OR 571 557 5455, E-MAIL: NAVSAFETY@NGA.MIL OR MSG TO NGA NAVSAFETY WASHINGTON DC.
- (201628Z MAR 2020)
- 1109/20(96).
TATAR STRAIT.
SAKHALIN.
RUSSIA.
DNC 24.
1. UNDERWATER OPERATIONS IN PROGRESS UNTIL 31 DEC IN AREA BOUND BY 52-10-30N 141-31-54E, 52-12-14N 141-32-12E, 52-12-48N 141-39-00E, 52-11-57N 141-40-05E. WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 01 JAN 21.
- (060936Z APR 2020)
- 1112/20(93).
SOUTH CHINA SEA.
VIETNAM.
DNC 11.
MAN OVERBOARD FROM F/V QUIONG SAN YU 72108 IN 13-24N 113-43E AT 060900Z APR. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO ANY COASTAL RADIO STATION.
- (061621Z APR 2020)
- 1171/20(GEN).
MARSHALL ISLANDS.
1. ACCORDING TO THE MARSHALL ISLANDS GOVERNMENT, ALL VESSELS ARE TO ABIDE BY THE TRAVEL ADVISORY SET FORTH BY THE MARSHALL ISLANDS MINISTRY OF HEALTH AND HUMAN SERVICES TO PREVENT THE SPREAD OF COVID-19.
2. THE FOLLOWING LOCATIONS HAVE IMPLEMENTED CERTAIN RESTRICTIONS:
A. EBeye KWAJALEIN ATOLL
B. MAJURO ATOLL
C. ENTIRE MARSHALL ISLANDS

3. VESSELS WISHING TO CALL AT THESE LOCATIONS ARE ADVISED TO CONTACT THE PORT AUTHORITIES FOR FURTHER GUIDANCE.
4. CANCEL HYDROPAC 1132/20.

(131237Z APR 2020)

1201/20(62).

PERSIAN GULF.
QATAR.
DNC 10.
BAHRAIN BUOY 26-33.00N 051-03.59E UNLIT.

(151528Z APR 2020)

1247/20(GEN).

SOUTH PACIFIC.
FRENCH POLYNESIA.
1. DUE TO THE INTERNATIONAL HEALTH SITUATION, ALL PLEASURE VESSELS ARE PROHIBITED ENTRY TO FRENCH POLYNESIA, VESSELS ALREADY IN TRANSIT OR MERCHANT VESSELS MUST REPORT TO JRCC TAHITI BEFORE ARRIVING ASHORE OR ANCHORING.
PHONE: 689 4054 1616,
FAX: 689 4042 3915,
E-MAIL: CONTACT@JRCC.PF.
2. CANCEL HYDROPAC 899/20.

(201527Z APR 2020)

1318/20(62).

PERSIAN GULF.
KUWAIT.
DNC 10.
DANGEROUS WRECK, LEAST DEPTH 11.5 METERS,
IN 29-21.74N 048-53.02E.

(290934Z APR 2020)

1449/20(62).

PERSIAN GULF.
SAUDI ARABIA.
DNC 10.
DANGEROUS WRECK, LEAST DEPTH 13 METERS,
IN 26-45.17N 050-33.91E.

(151611Z MAY 2020)

1478/20(62,63).

ARABIAN SEA.
GULF OF OMAN.
PERSIAN GULF.
DNC 03, DNC 10.
U.S. NAVAL FORCES ARE CONDUCTING ROUTINE OPERATIONS IN THE REGION WITH A COMMITMENT TO FREEDOM OF NAVIGATION AND THE FREE FLOW OF MARITIME COMMERCE. DUE TO RECENT EVENTS, IN ORDER TO ENHANCE SAFETY, MINIMIZE AMBIGUITY, AND REDUCE OPPORTUNITIES FOR MISCALCULATION, ALL VESSELS ARE ADVISED TO MAINTAIN A SAFE DISTANCE OF AT LEAST 100 METERS FROM U.S. NAVAL VESSELS IN INTERNATIONAL WATERS/STRAITS. ARMED VESSELS APPROACHING WITHIN 100 METERS OF A U.S. NAVAL VESSEL MAY BE INTERPRETED AS A THREAT AND SUBJECT TO LAWFUL DEFENSIVE MEASURES. MARINERS ARE REMINDED TO OPERATE IN ACCORDANCE WITH INTERNATIONAL LAW AND WITH DUE REGARD FOR THE SAFE NAVIGATION OF OTHER VESSELS. ALL VESSELS OPERATING IN THE VICINITY OF U.S. NAVAL VESSELS ARE ADVISED TO CLEARLY COMMUNICATE INTENTIONS, RESPOND TO QUERIES CONCERNING COURSE AND SPEED, EXERCISE PRINCIPLES OF PRUDENT SEAMANSHIP AS REQUIRED UNDER INTERNATIONAL LAW, AND REMAIN AT THE MAXIMUM AVAILABLE DISTANCE FROM U.S. NAVAL FORCES.

(181912Z MAY 2020)

1691/20(62).

PERSIAN GULF.
IRAQ.
DNC 10.
VESSEL BEHBAHAN SANK IN 29-43.50N 048-37.59E.
WIDE BERTH REQUESTED.

(061649Z JUN 2020)

SECTION III

NM 52/20

- 1722/20(63).
BAY OF BENGAL.
INDIA.
DNC 03.
NAVTEX STATION BALASORE (S) 21-29N 086-55E OFF AIR.
(101142Z JUN 2020)
- 1867/20(83).
SOUTH PACIFIC.
SAMOA.
DNC 06.
FANUATAPU LIGHT 14-00.0S 171-22.8W UNLIT.
(240414Z JUN 2020)
- 2005/20(62).
PERSIAN GULF.
U.A.E.
DNC 10.
UNDERWATER CABLE ESTABLISHED ALONG TRACKLINE JOINING
24-08.30N 052-53.91E, 24-12.77N 052-54.65E,
24-14.77N 052-54.06E, 24-19.37N 052-56.68E,
24-30.66N 052-55.29E, 24-31.26N 052-56.55E,
24-31.02N 052-57.05E.
CAUTION ADVISED.
(061546Z JUL 2020)
- 2496/20(62).
PERSIAN GULF.
BAHRAIN.
QATAR.
DNC 10.
DANGEROUS WRECK IN 26-50.2N 050-53.0E.
(260940Z AUG 2020)
- 2558/20(83).
SOUTH PACIFIC.
WALLIS AND FUTUNA.
DNC 06.
DUE TO SAFETY MEASURES TO COMBAT COVID-19,
ALL WALLIS AND FUTUNA PORTS ARE RESTRICTING THE
ENTRY OF CRUISE SHIPS UNTIL FURTHER NOTICE.
PORTS ARE CLOSED TO ALL YACHTS, SAILBOATS,
FISHING VESSELS AND PLEASURE CRAFT.
FOR MORE INFORMATION
CONTACT THE WALLIS AND FUTUNA PORT
AUTHORITY OF PORT OF ENTRY.
(010721Z SEP 2020)
- 2604/20(83).
SOUTH PACIFIC.
TAHITI.
DNC 06.
1. POINTE VENUS LIGHT 17-29-43S 149-29-40W
UNRELIABLE.
2. CANCEL HYDROPAC 2602/20.
(070421Z SEP 2020)
- 2861/20(63).
GULF OF KACHCHH.
INDIA.
DNC 03.
MUNGRA REEF LIGHT 22-45.6N 070-11.0E UNLIT.
(021049Z OCT 2020)
- 2991/20(91,93).
PHILIPPINE SEA.
SOUTH CHINA SEA.
LUZON STRAIT.
PHILIPPINES.
DNC 23.
1. CABLE OPERATIONS IN PROGRESS UNTIL 11 JAN 21
BY CABLESHIP RESOLUTE IN VICINITY OF TRACKLINES
JOINING:
A. 20-52.3N 118-00.0E, 20-01.9N 119-58.4E.
B. 20-01.9N 119-58.4E, 20-11.6N 123-48.3E.
C. 20-11.6N 123-48.3E, 16-10.0N 123-00.0E,
15-46.1N 121-33.8E.
D. 20-01.9N 119-58.4E, 16-36.0N 120-18.1E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 12 JAN 21.
(141740Z OCT 2020)

- 2992/20(61).
 MOZAMBIQUE CHANNEL.
 MOZAMBIQUE.
 DNC 02.
 CHART 61150.
 PORTO DO CHINDE, FAROL INHARMIARA LIGHT
 18-31.3S 036-31.5E UNLIT.
 (141948Z OCT 2020)
- 2993/20(61).
 MOZAMBIQUE CHANNEL.
 MOZAMBIQUE.
 DNC 02.
 DANGEROUS WRECK IN 18-04.95S 036-59.53E.
 (142004Z OCT 2020)
- 3019/20(63).
 BAY OF BENGAL.
 INDIA.
 DNC 03.
 RACON AT PONDICHERY LIGHT 11-55.0N 079-49.9E
 INOPERATIVE.
 (161100Z OCT 2020)
- 3068/20(62).
 PERSIAN GULF.
 QATAR.
 DNC 10.
 1. SURVEY OPERATIONS 26 OCT THRU 30 DEC BY
 M/V DSV HALUL 49 WITH SUBMERSIBLE
 IN AREA BOUND BY
 26-43.6N 051-53.4E, 26-43.6N 052-04.1E,
 26-26.8N 052-04.1E, 26-26.8N 051-53.4E.
 WIDE BERTH REQUESTED.
 2. CANCEL THIS MSG 31 DEC 20.
 (210907Z OCT 2020)
- 3101/20(83).
 WESTERN SOUTH PACIFIC.
 FIJI.
 DNC 06.
 VATULELE LIGHT 18-30.5S 177-36.46E UNLIT.
 (230739Z OCT 2020)
- 3122/20(63).
 BAY OF BENGAL.
 INDIA.
 DNC 03.
 BARGE SOHAM-1 SANK IN 21-39.6N 088-01.3E.
 (251026Z OCT 2020)
- 3195/20(GEN).
 JAPAN.
 1. ACCORDING TO ANNOUNCEMENT OF JAPANESE
 GOVERNMENT, ABOUT THE MEASURE TO PROHIBIT
 LANDING IN JAPAN FOR FOREIGNERS WHO HAVE STAYED
 IN SOME AREA, TWO COUNTRIES WILL BE
 ADDED FROM 311500Z OCT.
 TOTAL NUMBER OF COUNTRIES AND AREAS ARE NOW 152:
 MYANMAR AND JORDAN.
 2. CHECK THE MINISTRY OF JUSTICE ANNOUNCEMENT FOR
 DETAILS OF REGIONS.
www.moj.go.jp/hisho/kouhou/hisho06_00099.html
 3. CANCEL HYDROPAC 3194/20.
 (301226Z OCT 2020)
- 3220/20(63).
 GULF OF MANNAR.
 INDIA.
 DNC 03.
 KUTHENKULY LIGHT, FL (3) W 20 SECS 45 METERS
 20 MILES ESTABLISHED IN 08-13.39N 077-46.98E.
 (021202Z NOV 2020)

SECTION III

NM 52/20

- 3242/20(22).
EASTERN SOUTH PACIFIC.
CHILE.
DNC 07.
1. NAVTEX STATION PUERTO MONTT (D)
41-47.1S 073-52.8W OFF AIR.
2. VALPARAISO RADIO 33-04.7S 071-36.8W WILL
TRANSMIT VIA SAFETYNET.
(032113Z NOV 2020)
- 3253/20(22).
EASTERN SOUTH PACIFIC.
ISLA DE PASCUA.
DNC 06, DNC 07.
1. NAVTEX STATION ISLA DE PASCUA (F) 27-08.9S 109-22.6W OFF AIR.
2. VALPARAISO RADIO 33-04.7S 071-36.8W WILL TRANSMIT VIA SAFETYNET.
(041213Z NOV 2020)
- 3258/20(62).
PERSIAN GULF.
KUWAIT.
DNC 10.
DANGEROUS WRECK IN 29-21.64N 048-53.25E.
(041542Z NOV 2020)
- 3284/20(62).
PERSIAN GULF.
U.A.E.
DNC 10.
DANGEROUS WRECKS AND OBSTRUCTIONS,
LEAST DEPTH 9 METERS IN:
A. 25-20.18N 053-08.85E.
B. 25-01.72N 053-12.60E.
C. 25-00.75N 053-10.12E.
D. 25-04.55N 053-21.01E.
E. 24-59.95N 053-14.45E.
F. 25-04.89N 053-23.74E.
G. 25-04.88N 053-23.58E.
H. 25-04.90N 053-23.84E.
(061530Z NOV 2020)
- 3330/20(61.74).
INDIAN OCEAN.
DNC 03.
1. HAZARDOUS OPERATIONS, ROCKET LAUNCHING
0404Z TO 0521Z DAILY 17 NOV THRU 17 DEC
IN AREA BOUND BY
31-32S 085-36E, 12-00S 090-13E,
12-06S 090-45E, 31-40S 086-16E.
2. CANCEL THIS MSG 170621Z DEC 20.
(121021Z NOV 2020)
- 3412/20(63).
ARABIAN SEA.
PAKISTAN.
DNC 03.
AHSAN CHANNEL RIDGE FRONT RANGE LIGHT
24-38.0N 67-06.3E DAMAGED AND UNUSABLE.
(201702Z NOV 2020)
- 3424/20(22).
EASTERN SOUTH PACIFIC.
CHILE.
DNC 07.
1. SURVEY OPERATIONS 221200Z NOV THRU 232359Z DEC
BY VESSEL ABATE MOLINA IN AREA BOUND BY
18-22S 071-14W, 18-22S 070-21W,
25-00S 070-28W, 25-00S 071-23W.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 240059Z DEC 20.
(210454Z NOV 2020)
- 3445/20(21).
EASTERN NORTH PACIFIC.
DNC 13.
DISTRESS SIGNAL RECEIVED ON 406 MHZ FROM AIRCRAFT
IN 13-10.3N 101-56.9W. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO RCC ALAMEDA,
TELEX: 230172343,
PHONE: 510 437 3701,
E-MAIL: RCCALAMEDA1@USCG.MIL.
(221438Z NOV 2020)

3446/20(62).
 PERSIAN GULF.
 BAHRAIN.
 DNC 10.
 1. PIPELINE OPERATIONS IN PROGRESS UNTIL FURTHER
 NOTICE IN AREA BOUND BY
 26-09.95N 050-39.59E, 26-09.97N 050-39.65E,
 26-09.88N 050-39.70E, 26-10.03N 050-39.92E,
 26-09.92N 050-40.02E, 26-09.87N 050-39.97E,
 26-09.73N 050-40.07E, 26-09.53N 050-39.90E,
 26-09.68N 050-39.72E.
 WIDE BERTH REQUESTED.
 2. CANCEL HYDROPAC 2670/20. (221608Z NOV 2020)

3451/20(81).
 PHILIPPINE SEA.
 DNC 11.
 DISTRESS SIGNAL RECEIVED ON 406 MHZ IN
 06-51.2N 130-46.7E. VESSELS IN VICINITY
 REQUESTED TO KEEP A SHARP LOOKOUT,
 ASSIST IF POSSIBLE.
 REPORTS TO RCC GUAM,
 PHONE: 671 355 4824,
 E-MAIL: RCCGUAM@USCG.MIL. (231003Z NOV 2020)

3458/20(62).
 PERSIAN GULF.
 QATAR.
 DNC 10.
 WELLHEAD REPORTED IN 26-25.95N 051-46.70E. (231328Z NOV 2020)

3469/20(61,74).
 SOUTHERN INDIAN OCEAN.
 DNC 03.
 1. HAZARDOUS OPERATIONS, ROCKET LAUNCHING
 0352Z TO 0509Z DAILY 29 NOV THRU 29 DEC
 IN AREA BOUND BY
 41-00S 087-00E, 25-06S 091-00E,
 25-12S 092-06E, 41-00S 088-18E.
 2. CANCEL THIS MSG 290609Z DEC 20. (240917Z NOV 2020)

3473/20(63).
 NORTHERN INDIAN OCEAN.
 SRI LANKA.
 DNC 03.
 CABLE OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE
 BY CABLESHIP NIWA IN AREA BOUND BY
 04-35N 077-04E, 05-16N 078-09E,
 05-29N 078-24E, 06-47N 079-53E,
 07-03N 079-50E, 04-39N 077-02E.
 WIDE BERTH REQUESTED. (241111Z NOV 2020)

3482/20(18).
 EASTERN NORTH PACIFIC.
 DNC 13.
 DISTRESS SIGNAL RECEIVED ON 406 MHZ IN
 27-37.2N 120-59.5W. VESSELS IN VICINITY
 REQUESTED TO KEEP A SHARP LOOKOUT,
 ASSIST IF POSSIBLE.
 REPORTS TO RCC ALAMEDA,
 TELEX: 230172343,
 PHONE: 510 437 3701,
 E-MAIL: RCCALAMEDA1@USCG.MIL. (242230Z NOV 2020)

3489/20(97).
 WESTERN NORTH PACIFIC.
 DNC 12.
 1. GUNNERY EXERCISES 2300Z TO 0900Z DAILY 30 NOV
 THRU 30 JAN 21 IN AREA BOUND BY
 28-15-15N 146-29-47E, 25-25-16N 147-37-47E,
 25-00-16N 145-35-48E, 27-55-15N 144-57-48E.
 2. CANCEL THIS MSG 311000Z JAN 21. (261147Z NOV 2020)

3503/20(63).

ARABIAN SEA.

INDIA.

DNC 03.

1. HAZARDOUS OPERATIONS 0900Z TO 1200Z AND 1230Z TO 1430Z DAILY 01, 08, 15, 22, 29 DEC AND 0900Z TO 1200Z DAILY 04, 11, 18, 25 DEC 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 291530Z DEC 20.

(271633Z NOV 2020)

3505/20(62,63).

ARABIAN SEA.

PAKISTAN.

DNC 03, DNC 10.

1. HAZARDOUS OPERATIONS 0400Z TO 1700Z DAILY 01 THRU 04, 07 THRU 11, 14 THRU 18, 21 THRU 24, 28 THRU 31 DEC IN AREAS BOUND BY:
 - A. 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. 24-36.02N 063-15.03E, 24-36.02N 062-30.03E, 24-21.02N 062-30.03E, 24-21.02N 063-15.03E.
 - C. 24-36.02N 062-30.03E, 24-36.02N 061-45.03E, 24-21.02N 061-45.03E, 24-21.02N 062-30.03E.
 - D. 24-16.18N 066-20.50E, 24-22.00N 066-27.00E, 24-16.30N 066-33.00E, 24-10.30N 066-27.00E.
2. CANCEL THIS MSG 311800Z DEC 20.

(271755Z NOV 2020)

3506/20(63).

ARABIAN SEA.

GULF OF KHAMBHAT.

INDIA.

DNC 03.

1. SURVEY OPERATIONS IN PROGRESS UNTIL 28 DEC BY M/V SAMUDRA SARVEKSHAK IN VICINITY:
 - A. 19-42.07N 071-37.60E.
 - B. 18-04.38N 072-26.00E.
 - C. 18-08.21N 072-19.98E.
 - D. 20-06.45N 072-16.00E.
 - E. 20-06.43N 072-15.88E.
 - F. 20-29.78N 071-41.88E.
 - G. 20-51.76N 071-58.18E.
 - H. 19-27.64N 071-03.10E.
 - I. 21-39.69N 068-25.72E.WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 29 DEC 20.

(272058Z NOV 2020)

3507/20(63).

BAY OF BENGAL.

ADAMAN SEA.

ADAMAN ISLANDS.

DNC 03.

1. SURVEY OPERATIONS IN PROGRESS UNTIL 31 DEC BY M/V VESPUCCI TOWING FOUR MILE LONG CABLES IN AREA BOUND BY 12-37.57N 092-40.74E, 12-15.24N 092-40.52E, 12-07.58N 092-36.79E, 12-01.82N 092-33.55E, 11-51.36N 092-30.91E, 11-33.04N 092-31.15E, 11-33.11N 092-17.01E, 11-35.53N 092-16.93E, 11-32.95N 092-11.39E, 11-32.90N 092-04.19E, 12-04.08N 092-04.05E, 12-04.15N 092-09.60E, 12-37.62N 092-09.46E. WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 3344/20.
3. CANCEL THIS MSG 01 JAN 21.

(272109Z NOV 2020)

3511/20(22).

EASTERN SOUTH PACIFIC.

PERU.

DNC 07.

PLATFORM CORVINA ESTE (Z1A-34-CX-13) SINKING IN 03-48-52S 080-54-17W.

(280352Z NOV 2020)

3513/20(63).

ARABIAN SEA.
INDIA.
DNC 03.
SEVEN METER F/V IFB AGNIMATA, GREEN HULL, FIVE
PERSONS ONBOARD, ADRIFT DUE TO ENGINE FAILURE
IN 19-46.43N 072-30.64E AT 261200Z NOV.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC MUMBAI,
PHONE: 9122 2438 8065, 9122 2438 3592,
FAX: 9122 2431 6558,
E-MAIL: INDSAR@VSNL.NET, MRCC-WEST@INDIANCOASTGUARD.NIC.IN.

(280501Z NOV 2020)

3514/20(63).

BAY OF BENGAL.
INDIA.
DNC 03.
1. HAZARDOUS OPERATIONS 0130Z TO 0830Z AND
0930Z TO 1430Z DAILY,
03 THRU 05, 09 THRU 12, 14 THRU 16,
19 THRU 24 AND 28 THRU 31 DEC
IN AREA BOUND BY
19-14.60N 084-53.70E, 19-07.39N 085-35.94E,
18-55.90N 085-31.10E, 18-43.60N 085-20.60E,
18-36.20N 085-06.30E, 18-33.61N 084-53.74E.
2. CANCEL THIS MSG 311530Z DEC 20.

(280656Z NOV 2020)

3519/20(93).

SOUTH CHINA SEA.
PHILIPPINES.
DNC 11.
DISTRESS SIGNAL RECEIVED FROM M/V MARAN HERMES
IN 08-14N 116-15E ON 28 NOV.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO ANY COASTAL RADIO STATION.

(280843Z NOV 2020)

3522/20(63).

ARABIAN SEA.
PAKISTAN.
DNC 03.
DANGEROUS WRECKS REPORTED IN:
A. 24-49N 066-36E.
B. 24-42N 066-41E.

(281622Z NOV 2020)

3523/20(93).

SOUTH CHINA SEA.
DNC 11.
F/V BD 96388 TS, 12 PERSONS ON BOARD, SANK AT
300312Z OCT. SEARCH AND RESCUE OPERATIONS IN
AREA BOUND BY
11-54N 112-59E, 12-10N 112-40E,
12-26N 112-52E, 12-14N 113-11E,
12-10N 113-10E, 12-10N 113-40E,
11-40N 113-40E, 11-40N 113-10E.
CAUTION ADVISED.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO MRCC
VIETNAM, FAX: 8422 5398 1615,
E-MAIL: HPLES-GMDSS@HPLES.COM.VN.

(282343Z NOV 2020)

3527/20(63).

ARABIAN SEA.
INDIA.
DNC 03.
22 METER F/V IFB LOKMANYA, WHITE HULL, 11
PERSONS ONBOARD, ADRIFT DUE TO ENGINE FAILURE
IN 20-06-29N 071-28-09E.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC MUMBAI,
PHONE: 9122 2438 8065, 9122 2438 3592,
FAX: 9122 2431 6558,
E-MAIL: MRCC-WEST@INDIANCOASTGUARD.NIC.IN.

(291607Z NOV 2020)

- 3529/20(63).
 ARABIAN SEA.
 INDIA.
 DNC 03.
 AIRCRAFT, ONE PERSON ON BOARD, DITCHED IN AREA
 BOUND BY
 15-15N 073-15E, 15-15N 073-45E,
 14-50N 073-45E, 14-50N 073-15E.
 VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
 LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO NAVAREA
 VIII, PHONE: 9113 5274 7365,
 FAX: 9113 5274 8373,
 E-MAIL: MSIS-INHO@NAVY.GOV.IN, INHO@NAVY.GOV.IN.
 (292057Z NOV 2020)
- 3539/20(61).
 MOZAMBIQUE CHANNEL.
 DNC 02.
 1. UNDERWATER SURVEY OPERATIONS 01 THRU 20 DEC BY
 M/V FUGRO GAUSS ALONG TRACKLINE JOINING
 13-55.75S 043-52.63E, 14-19.80S 045-19.81E.
 WIDE BERTH REQUESTED.
 2. CANCEL THIS MSG 21 DEC 20.
 (301738Z NOV 2020)
- 3543/20(22).
 EASTERN SOUTH PACIFIC.
 CHILE.
 DNC 07.
 1. SURVEY OPERATIONS 011200Z TO 182100Z DEC
 BY UNDERWATER GLIDER ALONG TRACKLINE JOINING
 33-00S 071-39W, 33-00S 072-30W,
 33-00S 073-00W.
 WIDE BERTH REQUESTED.
 2. CANCEL THIS MSG 182200Z DEC 20.
 (302310Z NOV 2020)
- 3552/20(81).
 WESTERN NORTH PACIFIC.
 DNC 12.
 DISTRESS SIGNAL RECEIVED ON 406 MHZ FROM
 M/V HNY 766 IN 08-40N 157-52E AT 011117Z DEC.
 VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
 LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC GUAM,
 PHONE: 671 355 4824, FAX: 671 355 4831,
 E-MAIL: RCCGUAM@USCG.MIL.
 (011130Z DEC 2020)
- 3558/20(83).
 SOUTH PACIFIC.
 SAMOA.
 DNC 06.
 PARTIALLY SUBMERGED F/V REPORTED IN
 13-47.6S 171-34.2W.
 CAUTION ADVISED.
 (020407Z DEC 2020)
- 3563/20(81).
 NORTH PACIFIC.
 DNC 12.
 DISTRESS SIGNAL RECEIVED ON 406 MHZ IN
 07-26N 160-35E AT 012332Z DEC. VESSELS IN
 VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
 ASSIST IF POSSIBLE. REPORTS TO RCC GUAM,
 PHONE: 671 355 4824 FAX: 671 355 4831,
 E-MAIL: RCCGUAM@USCG.MIL.
 (021359Z DEC 2020)
- 3570/20(63).
 ARABIAN SEA.
 INDIA.
 DNC 03.
 1. HAZARDOUS OPERATIONS 1830Z TO 2359Z DAILY
 06 THRU 27 DEC IN AREA BOUND BY
 22-12.00N 068-36.33E, 21-15.50N 069-04.00E,
 21-09.00N 069-40.00E, 21-15.50N 069-42.50E,
 22-05.75N 068-49.00E.
 2. CANCEL THIS MSG 280059Z DEC 20.
 (031021Z DEC 2020)

3571/20(63).

ARABIAN SEA.
DNC 03.
20 METER F/V GIFT OF JESUS, GREEN HULL, 13 PERSONS
ONBOARD, DISABLED AND ADRIFT DUE TO ENGINE FAILURE
IN VICINITY 15-30N 065-05E ON 01 DEC.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC MUMBAI,
PHONE: 9122 2438 8065, 9122 2438 3592,
FAX: 9122 2431 6558,
E-MAIL: MRCC-WEST@INDIANCOASTGUARD.NIC.IN.

(031113Z DEC 2020)

3574/20(94,95,97).

EAST CHINA SEA.
YELLOW SEA.
SOUTH KOREA.
DNC 23.
1. CABLE OPERATIONS 04 THRU 18 DEC, ALTERNATE
19 THRU 28 DEC BY CABLESHIP BOLD MAVERICK
IN AREA BOUND BY
33-19.7N 124-01.0E, 33-20.2N 124-01.0E,
33-20.4N 124-03.3E, 33-20.8N 124-14.5E,
33-20.5N 124-18.2E, 32-57.9N 124-50.6E,
32-57.5N 124-50.2E, 33-20.0N 124-18.0E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 29 DEC 20.

(031230Z DEC 2020)

3581/20(22).

EASTERN SOUTH PACIFIC.
CHILE.
DNC 07.
1. NAVTEX STATION VALPARAISO (B) 32-48.4S 071-29.2W
OFF AIR.
2. VALPARAISO RADIO 33-04.7S 071-36.8W WILL
TRANSMIT VIA SAFETYNET.

(041017Z DEC 2020)

3584/20(93).

SOUTH CHINA SEA.
VIETNAM.
DNC 11.
F/V KH 97643 TS, SIX PERSONS ON BOARD, FLOODING
AND ADRIFT IN 11-26N 110-35E AT 040830 DEC.
TWO INJURED PERSONS REPORTED.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC VIETNAM,
FAX: 8422 5398 1615,
E-MAIL: HPLES-GMDSS@HPLES.COM.VN.

(041141Z DEC 2020)

3587/20(94).

PHILIPPINE SEA.
TAIWAN.
DNC 23.
1. CABLE OPERATIONS IN PROGRESS UNTIL 28 DEC
BY CABLESHIP KDDI CABLE INFINITY
IN VICINITY OF TRACKLINE JOINING
24-50.7N 121-49.9E, 24-50.3N 121-53.5E,
24-43.4N 121-57.1E, 24-39.3N 122-06.6E,
24-32.4N 122-15.2E, 24-28.8N 122-39.4E,
24-16.1N 122-47.0E, 24-00.1N 123-18.3E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 29 DEC 20.

(041233Z DEC 2020)

3590/20(63).

ARABIAN SEA.
INDIA.
DNC 03.
1. HAZARDOUS OPERATIONS 090030Z TO 111630Z AND
150030Z TO 171630Z DEC IN AREA BOUND BY
14-15.0N 072-52.0E, 14-20.0N 071-52.0E,
15-30.0N 071-48.0E, 16-09.0N 072-44.5E,
15-17.0N 073-21.0E.
2. CANCEL THIS MSG 171730Z DEC 20.

(041441Z DEC 2020)

- 3598/20(96).
SEA OF OKHOTSK.
RUSSIA.
DNC 24.
1. MISSILE OPERATIONS 0600Z TO 1300Z DAILY
10 THRU 16 DEC IN AREAS BOUND BY:
A. 51-55N 152-20E, 51-40N 152-40E,
51-30N 152-40E, 51-30N 152-00E,
51-55N 152-00E.
B. 52-30N 152-42E, 51-58N 153-13E,
51-47N 152-43E, 52-20N 152-13E.
C. 52-38N 151-54E, 51-50N 152-39E,
51-31N 151-45E, 52-18N 150-58E.
D. 59-22N 143-46E, 58-08N 145-37E,
57-25N 144-00E, 58-42N 141-55E.
2. CANCEL THIS MSG 161400Z DEC 20.

(050913Z DEC 2020)
- 3599/20(19).
NORTH PACIFIC.
DNC 13.
DISTRESS SIGNAL RECEIVED ON 406 MHZ IN VICINITY
40-27.4N 178-12.0W. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO JRCC JUNEAU,
PHONE: 907 463 2000,
FAX: 907 463 2023,
E-MAIL: JRCCJUNEAU@USCG.MIL.

(051012Z DEC 2020)
- 3600/20(16).
NORTH PACIFIC.
DNC 25.
DISTRESS SIGNAL RECEIVED ON 406 MHZ
IN 45-59.6N 177-23.7W.
VESSELS IN VICINITY REQUESTED TO KEEP
A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO JRCC JUNEAU,
PHONE: 907 463 2000,
FAX: 907 463 2023,
E-MAIL: JRCCJUNEAU@USCG.MIL.

(051058Z DEC 2020)
- 3602/20(62).
PERSIAN GULF.
BAHRAIN.
DNC 10.
SUNKEN BUOY, THREE METERS ABOVE SEABED,
IN 26-47.39N 050-48.42E.

(051543Z DEC 2020)
- 3605/20(83).
EASTERN SOUTH PACIFIC.
DNC 06.
DISTRESS SIGNAL RECEIVED ON 406 MHZ FROM
F/V DAEHWA NO.302 IN 12-11.9S 123-44.0W.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO JRCC TAHITI,
INMARSAT-C: 582422799192,
PHONE: 689 4054 1616,
FAX: 689 4042 3915,
E-MAIL: CONTACT@JRCC.PF.

(052209Z DEC 2020)
- 3607/20(71).
JAVA SEA.
INDONESIA.
DNC 04.
M/V KM BAHARI INDO SANK IN 04-42-05S 108-23-00E
ON 28 NOV. THREE PERSONS RESCUED, TEN PERSONS
REMAIN MISSING. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO RCC BASARNAS,
PHONE: 6221 6586 7510,
622 4762 8345,
FAX: 6221 6586 7512,
E-MAIL: INDONESIA.RCC@BASARNAS.GO.ID,
KAGAHAR@BASARNAS.GO.ID, KAGAHAR@YAHOO.COM,
KAGAHAR@GMAIL.COM.

(060136Z DEC 2020)

3609/20(94,96,97).
 EAST CHINA SEA.
 YELLOW SEA.
 SOUTH KOREA.
 DNC 23.
 1. CABLE OPERATIONS 07 THRU 18 DEC,
 ALTERNATE 19 THRU 24 DEC BY CABLESHIP
 KDDI OCEAN LINK IN AREA BOUND BY
 34-20.0N 122-58.0E, 33-42.5N 123-58.0E,
 33-00.0N 124-58.5E, 32-59.2N 124-57.6E,
 33-41.5N 123-55.0E, 34-18.5N 122-56.5E.
 WIDE BERTH REQUESTED.
 2. CANCEL THIS MSG 25 DEC 20. (061156Z DEC 2020)

3615/20(76).
 WESTERN SOUTH PACIFIC.
 DNC 06.
 1. HAZARDOUS OPERATIONS, SPACE DEBRIS
 0700Z TO 1130Z DAILY 12 THRU 25 DEC
 IN AREA BOUND BY
 53-48S 172-18E, 53-48S 173-18E,
 57-00S 172-18E, 57-00S 170-18E.
 2. CANCEL THIS MSG 251230Z DEC 20. (070139Z DEC 2020)

3616/20(76).
 WESTERN SOUTH PACIFIC.
 NEW ZEALAND
 DNC 06.
 1. HAZARDOUS OPERATIONS, SPACE DEBRIS
 0700Z TO 1130Z DAILY 12 THRU 25 DEC
 IN AREAS BOUND BY:
 A. 39-13.2S 177-50.8E, 39-13.2S 177-54.6E,
 39-17.0S 178-00.0E, 39-40.0S 177-50.5E,
 39-40.0S 177-43.0E, 39-14.5S 177-48.5E.
 B. 43-30.0S 175-30.0E, 43-30.0S 177-30.0E,
 47-30.0S 176-30.0E, 47-30.0S 175-00.0E.
 2. CANCEL THIS MSG 251230Z DEC 20. (070151Z DEC 2020)

3620/20(63).
 ARABIAN SEA.
 GULF OF KHAMBHAT.
 INDIA.
 DNC 03.
 1. SURVEY OPERATIONS IN PROGRESS UNTIL 06 JAN 21
 BY M/V FUGRO MAPPER TOWING 150 LONG CABLE
 IN AREA BOUND BY:
 18-08.49N 072-22.07E, 18-36.10N 071-01.60E,
 19-34.43N 071-21.74E, 20-13.31N 071-54.80E,
 19-01.68N 072-21.87E.
 WIDE BERTH REQUESTED.
 2. CANCEL THIS MSG 07 JAN 21. (071526Z DEC 2020)

3622/20(81).
 NORTH PACIFIC.
 DNC 12.
 DISTRESS SIGNAL RECEIVED ON 406 MHZ
 IN 05-37N 160-23E AT 072309Z DEC.
 VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
 LOOKOUT, ASSIST IF POSSIBLE.
 REPORTS TO RCC GUAM,
 PHONE: 671 355 4824, 671 355 4910,
 FAX: 671 355 4831,
 E-MAIL: RCCGUAM@USCG.MIL. (080034Z DEC 2020)

3628/20(96).
 SEA OF JAPAN.
 RUSSIA.
 DNC 24.
 1. NAVIGATION PROHIBITED UNTIL 152300Z DEC
 IN AREA BOUND BY
 43-13-42N 132-18-20E, 43-12-43N 132-19-05E,
 43-11-31N 132-18-03E, 43-12-45N 132-17-11E.
 2. CANCEL THIS MSG 160001Z DEC 20. (081104Z DEC 2020)

- 3629/20(97).
WESTERN NORTH PACIFIC.
DNC 12.
1. GUNNERY EXERCISES 2100Z TO 0900Z DAILY
12 THRU 14 DEC, ALTERNATE 2100Z TO 0900Z DAILY
15 THRU 17 DEC IN AREA WITHIN 25 MILES
OF 31-14.23N 144-26.80E.
2. CANCEL THIS MSG 181000Z DEC 20.
(081147Z DEC 2020)
- 3631/20(63).
ARABIAN SEA.
INDIA.
DNC 03.
MAN OVERBOARD FROM F/V JEHO IN VICINITY
10-10.4N 075-51.6E. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC MUMBAI,
PHONE: 9122 2438 8065, 9122 2438 3592,
FAX: 9122 2431 6558,
E-MAIL: INDSAR@VSNL.NET, MRCC-WEST@INDIANCOASTGUARD.NIC.IN.
(081248Z DEC 2020)
- 3635/20(62).
PERSIAN GULF.
U.A.E.
DNC 10.
SURVEY OPERATIONS IN PROGRESS UNTIL FURTHER
NOTICE IN AREA BOUND BY
25-03.0N 053-02.4E, 25-03.0N 053-04.4E,
25-00.0N 053-04.4E, 25-00.0N 053-02.4E.
WIDE BERTH REQUESTED.
(081841Z DEC 2020)
- 3640/20(96).
SEA OF JAPAN.
RUSSIA.
DNC 24.
1. MISSILE OPERATIONS 2100Z TO 0900Z COMMENCING
DAILY 13 THRU 18 DEC IN AREA BOUND BY
44-41.5N 136-45.0E, 44-13.5N 137-24.5E,
43-18.5N 135-50.5E, 43-34.0N 135-29.5E.
2. CANCEL THIS MSG 191000Z DEC 20.
(090924Z DEC 2020)
- 3642/20(63).
ARABIAN SEA.
INDIA.
DNC 03.
RACON AT VERAVAL ROADS 20-54-41N 070-21-11E
INOPERATIVE.
(091043Z DEC 2020)
- 3645/20(95,96).
SEA OF JAPAN.
RUSSIA.
DNC 23, DNC 24.
1. MISSILE OPERATIONS 2100Z TO 0900Z DAILY
13 THRU 18 DEC IN AREA BOUND BY
42-28.2N 131-56.1E, 42-28.2N 133-17.2E,
42-14.2N 133-43.0E, 41-58.1N 133-43.0E,
41-43.5N 131-56.1E.
2. CANCEL THIS MSG 191000Z DEC 20.
(091147Z DEC 2020)
- 3646/20(93).
SOUTH CHINA SEA.
DNC 11.
1. F/V BD 97875TS, SIX PERSONS ON BOARD, DISABLED
AND ADRIFT DUE TO ENGINE FAILURE IN 14-42N 110-42E
AT 072300Z DEC. VESSELS IN VICINITY REQUESTED TO
KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC VIETNAM,
FAX: 8422 5398 1615,
E-MAIL: HPLES-GMDSS@HPLES.COM.VN.
2. CANCEL HYDROPAC 3608/20.
(091419Z DEC 2020)

3650/20(83).

EASTERN NORTH PACIFIC.
 DNC 13.
 MAN OVERBOARD FROM F/V SEA GODDESS
 ALONG TRACKLINE BETWEEN
 16-52N 154-49W, 17-15N 154-08W AT 092000Z DEC.
 VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
 LOOKOUT, ASSIST IF POSSIBLE.
 REPORTS TO SECTOR HONOLULU,
 PHONE: 808 842 2600,
 E-MAIL: SCCHONOLULU1@USCG.MIL.

(100358Z DEC 2020)

3655/20(63).

ARABIAN SEA.
 INDIA.
 DNC 03.
 1. HAZARDOUS OPERATIONS 130030Z TO 141630Z AND
 180030Z TO 191630Z DEC IN AREA BOUND BY
 14-15.0N 072-52.0E, 14-20.0N 071-52.0E,
 15-30.0N 071-48.0E, 16-09.0N 072-44.5E,
 15-17.0N 073-21.0E.
 2. CANCEL THIS MSG 191730Z DEC 20.

(101012Z DEC 2020)

3661/20(71).

JAVA SEA.
 INDONESIA.
 DNC 04.
 M/V KERAPU LODI, BLUE HULL, 13 PERSONS ONBOARD
 REQUESTING ASSISTANCE DUE TO ENGINE TROUBLE
 IN 6-03S 108-14E AT 101351Z DEC.
 VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
 LOOKOUT, ASSIST IF POSSIBLE.
 REPORTS TO RCC BASARNAS,
 PHONE: 6221 6586 7510,
 FAX: 6221 6586 7512,
 E-MAIL: KAGAHAR@BASARNAS.GO.ID, KAGAHAR@YAHOO.COM,
 KAGAHAR@GMAIL.COM.

(101431Z DEC 2020)

3665/20(93).

GULF OF THAILAND.
 VIETNAM.
 DNC 03.
 FISHERMAN MISSING FROM F/V CM 91289TS IN
 09-10N 104-06E AT 100340Z DEC. VESSELS IN
 VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
 ASSIST IF POSSIBLE.
 REPORTS TO MRCC VIETNAM,
 FAX: 8422 5398 1615,
 E-MAIL: HPLES-GMDSS@HPLES.COM.VN.

(111011Z DEC 2020)

3666/20(63).

BAY OF BENGAL.
 INDIA.
 DNC 03.
 1. HAZARDOUS OPERATIONS 0300Z TO 1130Z DAILY
 14 THRU 24 AND 1430Z TO 1630Z DAILY 22 AND 23 DEC
 IN AREA BOUND BY
 21-41N 087-44E, 20-57N 086-53E,
 20-56N 086-55E, 21-02N 087-13E,
 20-56N 087-17E, 20-47N 087-02E,
 20-48N 086-56E, 20-12N 087-19E,
 20-00N 087-59E, 20-35N 087-40E,
 21-24N 087-38E.
 2. CANCEL THIS MSG 241230Z DEC 20.

(111205Z DEC 2020)

3667/20(63).

ARABIAN SEA.
 INDIA.
 DNC 03.
 1. HAZARDOUS OPERATIONS, ROCKET LAUNCHING
 160530Z TO 160730Z DEC IN AREAS WITHIN:
 A. FIVE MILES OF 08-31.98N 076-52.05E
 BETWEEN 190 DEGREES AND 300 DEGREES.
 B. 45 MILES OF 08-31.98N 076-52.05E
 BETWEEN 220 DEGREES AND 260 DEGREES.
 C. 75 MILES OF 08-31.98N 076-52.05E
 BETWEEN 220 DEGREES AND 260 DEGREES.
 2. CANCEL THIS MSG 160830Z DEC 20.

(111217Z DEC 2020)

3668/20(63).

ARABIAN SEA.
INDIA.
DNC 03.

1. HAZARDOUS OPERATIONS 0900Z TO 1630Z DAILY
12, 13, 14, 17, 18 AND 19 DEC IN AREA BOUND BY
14-15.0N 072-52.0E, 14-20.0N 071-52.0E,
15-30.0N 071-48.0E, 16-09.0N 072-44.5E,
15-17.0N 073-21.0E.
2. CANCEL THIS MSG 191730Z DEC 20.

(111225Z DEC 2020)

3669/20(GEN).

1. HYDROPAC WARNINGS IN FORCE AS OF 111332Z DEC 20.
ONLY THOSE WARNINGS ISSUED DURING THE LAST SIX WEEKS
ARE LISTED HEREIN.

3668/20, 3667/20, 3666/20, 3665/20, 3664/20, 3663/20,
3662/20, 3661/20, 3659/20, 3658/20, 3657/20, 3655/20,
3653/20, 3652/20, 3650/20, 3646/20, 3645/20, 3642/20,
3641/20, 3640/20, 3635/20, 3631/20, 3629/20, 3628/20,
3627/20, 3622/20, 3621/20, 3620/20, 3619/20, 3616/20,
3615/20, 3609/20, 3607/20, 3605/20, 3602/20, 3600/20,
3599/20, 3598/20, 3597/20, 3590/20, 3588/20, 3587/20,
3586/20, 3584/20, 3581/20, 3574/20, 3571/20, 3570/20,
3563/20, 3558/20, 3552/20, 3543/20, 3539/20, 3529/20,
3527/20, 3523/20, 3522/20, 3519/20, 3514/20, 3513/20,
3511/20, 3507/20, 3506/20, 3505/20, 3503/20, 3489/20,
3482/20, 3473/20, 3469/20, 3458/20, 3451/20, 3446/20,
3445/20, 3424/20, 3418/20, 3412/20, 3330/20, 3284/20,
3274/20, 3258/20, 3253/20, 3242/20, 3220/20, 3195/20.

2. THE SUMMARY OF ALL HYDROPAC WARNINGS IN FORCE AS OF
28 DEC 2019 IS GIVEN IN SEC III OF NTM 52/19.

WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE
SUMMARIZED IN NTM 13/20, 26/20 AND 39/20.

3. THE COMPLETE TEXT OF ALL IN-FORCE HYDROPAC
BROADCAST WARNINGS ARE AVAILABLE ON THE NGA
MARITIME SAFETY INFORMATION WEBSITE AT:
msi.nga.mil/NavWarnings.
ALTERNATIVELY, THESE MAY BE REQUESTED BY E-MAIL
FROM NGA AT NAVSAFETY@NGA.MIL.

4. CANCEL HYDROPAC 332/20, 526/20, 1328/20, 2574/20,
3429/20, 3430/20, 3455/20, 3480/20, 3485/20, 3496/20,
3589/20, 3644/20, 3660/20.

(111345Z DEC 2020)

3671/20(63).

ARABIAN SEA.
INDIA.
DNC 03.

1. CABLE OPERATIONS IN PROGRESS UNTIL 31 DEC
BY CABLESHIP ETISALAT IN 19-04.20N 072-42.05E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 01 JAN 21.

(112213Z DEC 2020)

3673/20(21,83).

EASTERN PACIFIC.
DNC 06, DNC 13.

1. HAZARDOUS OPERATIONS, SPACE DEBRIS
171508Z TO 171841Z DEC, ALTERNATE
181508Z TO 181841Z DEC
IN AREA BOUND BY
12-27S 135-24W, 11-03S 135-01W,
04-31N 125-02W, 12-23N 118-23W,
11-34N 117-22W, 01-11N 123-20W,
11-32S 132-38W, 13-10S 134-27W.
2. CANCEL THIS MSG 181941Z DEC 20.

(120432Z DEC 2020)

3676/20(22).

EASTERN SOUTH PACIFIC.
CHILE.
DNC 07.

1. PUERTO MONTT RADIO 41-28.8S 072-57.7W
HF AND MF DSC OFF AIR.
2. TALCAHUANO RADIO 36-41.5S 073-06.5W
ASSUMES CONTROL.

(121723Z DEC 2020)

3679/20(97).
 NORTH PACIFIC.
 DNC 12.
 1. DERELICT 15 METER F/V CAPSIZED AND ADRIFT
 IN 32-59.72N 160-01.24E AT 120150Z DEC.
 2. CANCEL THIS MSG 160151Z DEC 20.

(130151Z DEC 2020)

3680/20(74).
 EASTERN INDIAN OCEAN.
 AUSTRALIA-NORTHWEST COAST.
 DNC 04.
 1. FISHING GEAR ADRIFT IN VICINITY 14-52.6S 122-07.6E
 AT 130531Z DEC.
 2. CANCEL THIS MSG 160644Z DEC 20.

(130644Z DEC 2020)

3683/20(83).
 SOUTH PACIFIC.
 MOOREA.
 DNC 06.
 1. GUNNERY EXERCISES 151800Z TO 152200Z DEC
 IN AREA BOUND BY
 16-52.46S 150-10.00W, 16-52.46S 149-39.00W,
 16-20.00S 149-35.00W, 16-20.00S 150-10.00W.
 2. CANCEL THIS MSG 152300Z DEC 20.

(131957Z DEC 2020)

3685/20(81).
 PHILIPPINE SEA.
 WESTERN NORTH PACIFIC.
 GUAM.
 DNC 12.
 1. HAZARDOUS OPERATIONS 150100Z TO 171330Z DEC
 IN AREAS WITHIN THREE MILES OF:
 A. 13-26N 145-08E.
 B. 13-42N 144-36E.
 2. CANCEL THIS MSG 171430Z DEC 20.

(140700Z DEC 2020)

3686/20(63).
 BAY OF BENGAL.
 INDIA.
 DNC 03.
 1. HAZARDOUS OPERATIONS 1300Z TO 1600Z
 DAILY 16 AND 17 DEC IN AREA BOUND BY
 21-22.23N 086-55.72E, 21-08.93N 086-52.65E,
 20-47.63N 087-13.43E, 18-19.90N 088-25.12E,
 19-06.06N 089-31.10E, 20-57.10N 087-26.87E,
 21-21.78N 087-10.85E, 21-22.68N 086-56.37E.
 2. CANCEL THIS MSG 171700Z DEC 20.

(141032Z DEC 2020)

3687/20(GEN).
 EASTERN SOUTH PACIFIC.
 BAY OF BENGAL.
 1. HAZARDOUS OPERATIONS, ROCKET LAUNCHING
 170930Z TO 171330Z DEC IN AREAS:
 A. WITHIN TEN MILES OF 13-43.2N 080-13.8E.
 B. BOUND BY
 13-30N 080-30E, 13-50N 080-35E,
 13-35N 081-35E, 13-15N 081-30E.
 C. BOUND BY
 13-00N 082-10E, 13-30N 082-15E,
 13-05N 084-05E, 12-35N 084-00E.
 D. BOUND BY
 12-30N 084-05E, 13-10N 084-15E,
 12-55N 085-20E, 12-15N 085-10E.
 E. BOUND BY
 11-20N 088-35E, 12-00N 088-45E,
 11-45N 089-45E, 11-05N 089-35E.
 F. BOUND BY
 09-35N 094-50E, 10-30N 095-05E,
 10-15N 095-55E, 09-20N 095-40E.
 G. BOUND BY
 18-30S 134-00W, 16-30S 134-00W,
 13-00S 112-00W, 07-00S 090-00W,
 09-00S 090-00W, 15-00S 112-00W.
 2. CANCEL THIS MSG 171430Z DEC 20.

(141149Z DEC 2020)

3688/20(63).

ANDAMAN SEA.
ANDAMAN ISLANDS.
DNC 03.

1. HAZARDOUS OPERATIONS 0430Z TO 0930Z DAILY
17 AND 18 DEC IN AREA BOUND BY
11-50N 093-40E, 12-00N 093-40E,
12-00N 094-10E, 11-50N 094-10E.
2. CANCEL THIS MSG 181030Z DEC 20.

(141217Z DEC 2020)

3689/20(62).

PERSIAN GULF.
U.A.E.
DNC 10.

1. SURVEY OPERATIONS IN PROGRESS UNTIL 20 DEC
IN AREAS BOUNDED BY:
A. 24-24.63N 051-36.05E, 24-24.63N 051-38.96E,
24-22.99N 051-38.96E, 24-22.99N 051-52.22E,
24-17.35N 051-52.22E, 24-17.35N 051-46.65E.
B. 25-28.57N 053-28.72E, 25-31.13N 053-40.61E,
25-20.72N 053-40.38E, 25-20.88N 053-31.61E,
25-22.70N 053-31.65E, 25-24.25N 053-30.00E,
25-24.28N 053-28.63E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 21 DEC 20.

(141440Z DEC 2020)

3691/20(73).

CELEBES SEA.
INDONESIA.
DNC 11.

- F/V, TWO PERSONS ON BOARD,
ONE PERSON MISSING IN 02-01.46N 124-18.85E.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO RCC BASARNAS,
PHONE: 6221 6586 7510,
FAX: 6221 6586 7512,
E-MAIL: KAGAHAR@BASARNAS.GO.ID,
KAGAHAR@YAHOO.COM, KAGAHAR@GMAIL.COM.

(141754Z DEC 2020)

3692/20(76).

TASMAN BAY.
NEW ZEALAND.
DNC 06.

1. UNDERWATER OPERATIONS 161830Z TO 190400Z DEC
BY M/V REEF SPIRIT IN 39-54.73S 174-16.30E.
500 METER BERTH REQUESTED.
2. CANCEL THIS MSG 190500Z DEC 20.

(142156Z DEC 2020)

3694/20(18).

EASTERN NORTH PACIFIC.
DNC 13.

- MAN OVERBOARD FROM VESSEL IN VICINITY
39-44.6N 133-33.7W. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP
LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO RCC ALAMEDA,
TELEX: 230172343,
PHONE: 510 437 3701,
E-MAIL: RCCALAMEDA1@USCG.MIL.

(150329Z DEC 2020)

3696/20(81).

PHILIPPINE SEA.
GUAM.
DNC 12.

1. HAZARDOUS OPERATIONS 160200Z TO 160600Z DEC
IN AREA WITHIN FIVE MILES OF 13-39N 144-20E.
2. CANCEL THIS MSG 160700Z DEC 20.

(150633Z DEC 2020)

3697/20(63).

ARABIAN SEA.
INDIA.
DNC 03.

1. HAZARDOUS OPERATIONS 180400Z TO 181100Z DEC
IN AREA WITHIN FIVE MILES OF 09-19.58N 075-46.8E.
2. CANCEL THIS MSG 181200Z DEC 20.

(151015Z DEC 2020)

3698/20(93).

GULF OF TONKIN.
CHINA.
VIETNAM.
DNC 23.

- F/V KG 94573 TS SANK IN 20-06N 107-42E AT 150740Z DEC.
TWO PERSONS RESCUED, ONE PERSON MISSING.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
LOOKOUT. ASSIST IF POSSIBLE.
REPORTS TO MRCC VIETNAM,
FAX: 8422 5398 1615,
E-MAIL: HPLES-GMDSS@HPLES.COM.VN.

(151146Z DEC 2020)

3700/20(95).

YELLOW SEA.
DNC 23.

1. GUNNERY EXERCISES 0600Z TO 1200Z DAILY
14 THRU 16, 19 AND 20 DEC IN AREA BOUND BY
37-25N 124-43E, 37-30N 124-43E,
37-30N 124-50E, 37-25N 124-50E.
2. CANCEL HYDROPAC 3659/20.
3. CANCEL THIS MSG 201300Z DEC 20.

(151215Z DEC 2020)

3701/20(71,93).

SOUTH CHINA SEA.
VIETNAM.
INDONESIA.
DNC 04, DNC 11.

1. HAZARDOUS OPERATIONS, ROCKET LAUNCHING
200400Z TO 200700Z DEC IN AREAS BOUND BY
A. 10-18-34N 109-54-01E, 11-12-21N 109-58-19E,
11-09-48N 110-31-13E, 10-16-00N 110-26-50E.
B. 01-20-06S 107-31-33E, 00-13-17S 107-40-50E,
00-19-58S 108-28-56E, 01-26-47S 108-19-40E.
2. CANCEL THIS MSG 200800Z DEC 20.

(151234Z DEC 2020)

HYDROARCS

2020 series

41/20(GEN).

NGA MARITIME SAFETY OFFICE STATUS AND SUPPORT.
COVID-19 UPDATE.

1. NGA IS EXECUTING A MISSION CRITICAL POSTURE FOR MANNING AND SUPPORT DURING THE COVID-19 PANDEMIC. NGA WILL MAINTAIN THE REQUISITE STAFFING AND CAPACITY TO OPERATE THE 24/7 NAVSAFETY WATCH, PUBLISH THE WEEKLY NOTICE TO MARINERS AND PROVIDE DNC CRITICAL CORRECTIONS.
2. ALL OTHER SERVICES AND PRODUCTS WILL BE SUPPORTED ON A CASE BY CASE BASIS AS MISSION NEEDS DICTATE.
3. NGA REMAINS ACCESSIBLE THROUGH ITS NORMAL POINTS OF CONTACT.
4. FOR URGENT SERVICE, CONTACT NGA NAVSAFETY, DSN: 547 5455, COMM: 800 362 6289 OR 571 557 5455, E-MAIL: NAVSAFETY@NGA.MIL OR MSG TO NGA NAVSAFETY WASHINGTON DC.

(201636Z MAR 2020)

245/20(16).

CHUKCHI SEA.

DNC 27.

SCIENTIFIC MOORINGS ESTABLISHED:

A. 75-10.91N 157-07.14W.

B. 74-31.36N 161-55.59W, TOP FLOAT 40 METERS.

(190421Z OCT 2020)

246/20(42).

BARENTS SEA.

RUSSIA.

DNC 22.

UNDERWATER OPERATIONS IN PROGRESS UNTIL

FURTHER NOTICE IN VICINITY:

A. 69-13.91N 057-09.47E.

B. 69-17.84N 057-25.33E.

ONE MILE BERTH REQUESTED.

(191736Z OCT 2020)

249/20(16).

BEAUFORT SEA.

ALASKA.

DNC 27.

1. SCIENTIFIC MOORINGS ESTABLISHED:

A. BCE-19, IN 71-40.37N 154-59.92W, AT DEPTH 105 METERS, TOP FLOAT 40 METERS.

B. BCC-19, IN 71-44.05N 155-09.62W, AT DEPTH 290 METERS, TOP FLOAT 40 METERS.

C. BCW-19, IN 71-47.77N 155-20.78W, AT DEPTH 169 METERS, TOP FLOAT 40 METERS.

2. CANCEL HYDROARC 252/19.

(211258Z OCT 2020)

271/20(16,41).

ARCTIC.

EAST SIBERIAN SEA.

CHUKCHI SEA.

DNC 27.

1. HAZARDOUS OPERATIONS, ROCKET LAUNCHING

0200Z TO 0317Z DAILY 17 NOV THRU 17 DEC

IN AREA BOUND BY

78-27N 165-42E, 82-06N 145-00W,

81-28N 145-12W, 78-01N 167-48E.

2. CANCEL THIS MSG 170417Z DEC 20.

(121016Z NOV 2020)

273/20(42).

KARA SEA.

RUSSIA.

DNC 22.

DANGEROUS WRECK IN 73-09.96N 080-16.97E.

(121818Z NOV 2020)

287/20(41,42).

ARCTIC.
RUSSIA.

DNC 22, DNC 27.

1. MISSILE OPERATIONS 302100Z NOV TO 152100Z DEC
IN AREA BOUND BY
81-21.6N 089-42.0E, 81-50.4N 087-39.6E,
82-47.4N 085-28.2E, 83-24.0N 096-39.0E,
83-17.4N 115-13.8E, 82-37.2N 115-58.8E,
81-39.0N 114-36.0E, 81-39.6N 104-09.6E.
2. CANCEL THIS MSG 152200Z DEC 20.

(291744Z NOV 2020)

291/20(42).

BARENTS SEA.
RUSSIA.

DNC 22.

1. MISSILE OPERATIONS 0600Z TO 1300Z DAILY
09 THRU 16 DEC IN AREA BOUND BY
69-20-00N 051-20-00E, 69-00-00N 052-20-00E,
68-32-05N 050-52-15E, 68-23-50N 050-27-06E,
68-12-24N 049-40-14E, 68-01-47N 048-52-32E,
67-51-47N 048-04-15E, 67-50-00N 048-00-00E,
67-22-00N 046-48-00E, 67-07-00N 045-48-00E,
67-06-23N 045-37-56E, 67-48-42N 046-41-57E,
67-49-32N 046-43-45E, 68-06-29N 047-23-43E,
68-19-12N 048-11-14E, 68-30-40N 049-01-17E,
68-41-01N 049-53-31E.
2. CANCEL THIS MSG 161400Z DEC 20.

(041802Z DEC 2020)

298/20(41).

ARCTIC.
LAPTEV SEA.
RUSSIA.

DNC 22, DNC 27.

1. HAZARDOUS OPERATIONS, ROCKET LAUNCHING
160100Z TO 160600Z DEC IN AREA BOUND BY
83-00N 099-00E, 83-00N 137-00E,
77-10N 137-00E, 76-00N 134-30E,
77-20N 121-40E, 77-50N 109-40E,
78-20N 106-50E, 78-40N 106-50E,
80-30N 099-00E.
2. CANCEL THIS MSG 160700Z DEC 20.

(111037Z DEC 2020)

299/20(GEN).

1. HYDROARC WARNINGS IN FORCE AS OF 111308Z DEC 20:
298/20, 297/20, 296/20, 287/20, 285/20, 284/20,
273/20, 271/20, 249/20, 246/20, 245/20, 41/20.
2. THE COMPLETE TEXT OF ALL IN-FORCE HYDROARC
BROADCAST WARNINGS ARE AVAILABLE ON THE NGA
MARITIME SAFETY INFORMATION WEBSITE AT:
msi.nga.mil/NavWarnings.
ALTERNATIVELY, THESE MAY BE REQUESTED BY E-MAIL
FROM NGA AT NAVSAFETY@NGA.MIL.
3. CANCEL HYDROARC 290/20.

(111323Z DEC 2020)

301/20(42).

BARENTS SEA.
RUSSIA.

DNC 22.

1. MISSILE OPERATIONS 160500Z TO 161500Z DEC
IN AREA BOUND BY
68-30N 045-36E, 68-30N 051-48E,
66-55N 047-42E, 66-49N 045-59E,
67-18N 044-53E, 67-50N 046-39E.
2. CANCEL THIS MSG 161600Z DEC 20.

(120606Z DEC 2020)

303/20(42).

BARENTS SEA.
RUSSIA.

DNC 22.

1. MISSILE OPERATIONS 0500Z TO 1500Z DAILY
14 THRU 16 DEC IN AREA BOUND BY
68-30N 045-36E, 68-30N 051-48E,
66-55N 047-42E, 66-49N 045-59E,
67-18N 044-53E, 67-50N 046-39E.
2. CANCEL THIS MSG 161600Z DEC 20.

(131950Z DEC 2020)

305/20(42).

BARENTS SEA.
RUSSIA.
DNC 22.

1. MISSILE AND GUNNERY OPERATIONS 0500Z TO 1900Z
DAILY 16 THRU 19 DEC IN AREA BOUND BY
69-58.0N 033-38.0E, 69-58.0N 034-47.0E,
69-34.5N 034-47.0E, 69-34.5N 033-38.0E.
2. CANCEL HYDROARC 297/20.
3. CANCEL THIS MSG 192000Z DEC 20.

(141834Z DEC 2020)

306/20(15,38).

BAFFIN BAY.
GREENLAND.
DNC 28.

1. HAZARDOUS OPERATIONS, ROCKET LAUNCHING
1200Z TO 1330Z DAILY 18 THRU 21 DEC
IN AREA BOUND BY
75-28.40N 071-04.15W, 75-36.80N 067-40.75W,
72-38.82N 066-11.17W, 72-36.67N 067-09.23W,
73-10.53N 069-39.50W.
2. CANCEL HYDROARC 304/20.
3. CANCEL THIS MSG 211430Z DEC 20.

(142250Z DEC 2020)

MARINE INFORMATION**NOTIFICATION OF PENDING MODIFICATION OF U.S. NOTICE TO MARINERS AND OTHER MARITIME SAFETY PRODUCTSS**

1. This message is to notify all customers that NGA plans to modify the U.S. Notice to Mariners and other maritime safety products on or after 01 January 2021.

2. Identification of modifications:

a. U.S. Notice to Mariners will discontinue NGA/DLIS Catalog Corrections, Navigation Publications Corrections, USCG Light List Corrections / Radiobeacon Corrections, NGA List of Lights / Radiobeacon / DGPS Corrections, Publications Affected by Notice to Mariners, Broadcast Warnings, and Hydrogram sections. Additionally, U.S. Notice to Mariners 01 of each year will no longer have special Notice to Mariners paragraphs.

b. NGA will no longer post the World-Wide Navigational Warning Service (WWNWS) Daily Memorandum on their website.

c. NGA will no longer maintain the USCG Light List database/geospatial search capabilities on their website.

d. NGA will no longer provide the World Port Index (NGA Publication 150) as a PDF “book” version.

3. Replacements:

a. These sections in the U.S. Notice to Mariners provide corrections to other publications that are only provided as PDFs; therefore, these corrections do not allow customers to apply the corrections easily. The updated/corrected publications are available on NGA's website.

b. All WWNWS messages are searchable on NGA's website as well as emailed out daily via a subscription service replacing the Daily Memorandum.

c. All USCG Light Lists are available via NGA's website. Each of these publications can be searched and the data can be accessed via the USCG website eliminating the need for NGA to maintain the service.

d. NGA's World Port Index is being transformed which will not allow the PDF “book” format to be supported. The World Port Index will be provided in various database formats (i.e. ESRI, geodatabase, shapefile, csv, and json) allowing this publication to transition to a much more usable and interactive publication.

4. Justification for termination:

a. These changes align the Maritime Safety Office products and services with current operations. Additionally, this allows the Maritime Safety Office to modify their processes and stop providing data via outdated costly processes.

b. Proposed changes have been communicated and coordinated with the USCG to ensure all changes are aligned to current USCG navigation & vessel inspection circulars and code of federal regulations.

c. NGA will make all these modifications after 01 January 2021.

IRIDIUM SAFETYCAST SERVICE

The International Maritime Organization (IMO), the International Hydrographic Organization (IHO), and the World Meteorological Organization (WMO) announce the establishment of the Iridium SafetyCast Service, as a recognized mobile satellite service in the Global Maritime Distress and Safety System (GMDSS). Effective 11 December 2020, Iridium declared the Iridium SafetyCast Service operational for broadcasting navigational warnings, meteorological warnings and forecasts, and Search and Rescue (SAR) related information in the English language. However, it is important to note that NAVAREAs and METAREAs will have a phased implementation process with the following status: planned, on trial, and operational. Each NAVAREA and METAREA will have different time frames for when they are ready to implement services. Please visit the IHO World-Wide Navigation Warning Service website (<https://iho.int/en/wwnws>) for details on the implementation status of each NAVAREA and METAREA. During the “trial” period for NAVAREAs and METAREAs, they will provide navigational warnings and meteorological warnings and forecasts in accordance with the Joint IMO/IHO/WMO Maritime Safety Information Manual on an intermittent and test basis. The “trial” period is a test and evaluation stage, which is necessary to ensure messages are processed and promulgated in a timely and appropriate manner. The broadcast of Iridium SafetyCast

messages will be addressed to NAVAREA and METAREA boundary limits. Mariners are advised to check their manufacturer's operation manuals to obtain information on the settings for their SafetyCast receivers to receive relevant SafetyCast messages. Determination when each NAVAREA and METAREA is ready to enter the "operational" stage will come at a later date and will be announced via the Iridium SafetyCast Service and the respective national Notice to Mariners.

NEW EDITIONS OF NOS TIDE TABLES AND TIDAL CURRENT TABLES

National Ocean Service (NOS) Tide Tables and Tidal Current Tables, 2021 Editions, are now available through electronic access at the Maritime Safety Web sites:

- JWICS: <https://msi.nga.ic.gov>
- NIPRNet: <https://msi.geo.nga.mil>
- SIPRNet: <https://msi.nga.smil.mil>

These editions are available to the Department of Defense (DoD), qualified DoD contractors and U.S. Government Agencies supporting DoD functions only.

The Tide Tables and Tidal Current Tables now have one volume each that provide worldwide coverage.

These editions will be available on the Digital Nautical Publications-Quarterly Update, 4th Quarter 2020, DVD-ROM.

NEW EDITION OF SAILING DIRECTIONS

Pub. 164, Sailing Directions (Enroute) New Guinea, Fifteenth Edition, 2020, is now available through electronic access at the Maritime Safety Web site (<https://msi.nga.mil>). This edition will be available on the Digital Nautical Publications-Quarterly Update, 4th Quarter 2020, DVD-ROM.

NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY'S (NGA) GUIDANCE ON THE PROPER DISPLAY SCALE OF DIGITAL NAUTICAL CHART (DNC) DATA

The DNC portfolio was originally created by digitizing paper Standard Nautical Charts (SNC) and organizing them into corresponding DNC libraries based on the scale of the original paper SNC. The resulting DNC database is only as accurate as the source data of the paper charts used to create them. While NGA's Maritime Safety Office constantly improves the accuracy of the DNC with newer digital sources, the mariner should be aware that many of the features and hazards in the SNC used to build the DNC database are based upon older surveys that pre-date the Global Positioning System (GPS). Additionally, plotted accuracies of navigation hazards and soundings are constrained by the cartographic scale of the chart. Since GPS became operational, the accuracy of a ship's position using GPS now often exceeds the accuracy of the underlying charts.

Displaying DNC data at a scale larger than the data compilation scale is known as Over-Scaling. This is an unsafe practice because it gives the mariner a false sense of the positional accuracy of navigation hazards and incorrect distance between features, which could lead to unsafe mission planning and navigation. This is a particular concern for the small-scale General and Coastal DNCs. The dangers of over-scaling DNC data is briefly discussed in the Submarine Operations Manual (SOM), the Navigation Department Organization and Regulations Manual (NAVDORM), and the American Practical Navigator (Pub. No. 9).

NGA strongly recommends that ECDIS-N, operating in either the auto or manual mode, display DNC libraries at their data compilation scale vice relying on a fixed scale scheme referenced to the DNC's navigation purpose (General, Coastal, Approach, or Harbor). When navigating on an over-scaled DNC, fleet operators should understand the operational risks inherent in over-scaling, especially during operations in the vicinity of charted hazards and shoal water.

Any questions concerning this guidance should be directed to NGA's DNC Program Manager, phone: 571-557-5295, E-mail MCDDNC@nga.mil.

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 43 (Worldwide Navigational Warning 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 31).

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. _____

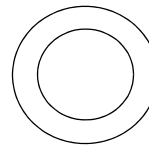
Sounding sensor or method used _____ Sounding(s) corrected for draft: Yes _____ No _____

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

User Feedback (continue on additional sheets as necessary)



**MARITIME SAFETY OFFICE
MAIL STOP N64-SH
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY
7500 GEOINT DRIVE
SPRINGFIELD, VA 22150-7500**



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POSTAGE & FEES PAID
NGA
PERMIT NO. G-2

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) _____

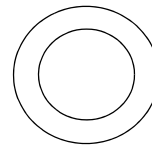
Latitude _____ Longitude _____ Datum _____

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): _____

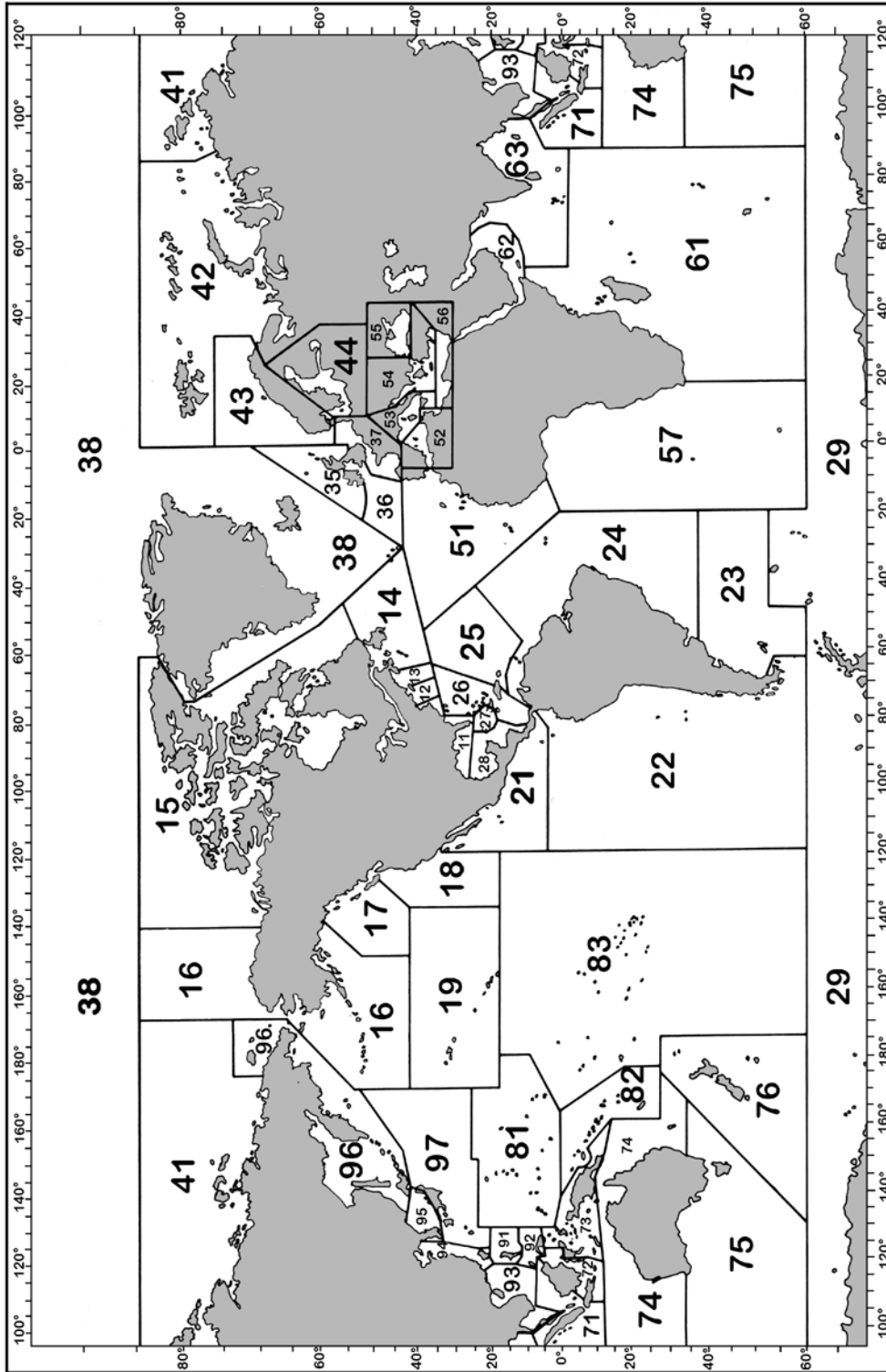


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GEOGRAPHIC LOCATOR



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