



No. 47



23 NOVEMBER 2019

UNITED STATES OF AMERICA

NOTICE TO MARINERS

Commemorating 150 Years of Continuous Service



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 **NS Savannah** was built by the New York Shipbuilding Corporation of Camden, NJ as a nuclear passenger and cargo ship for President Eisenhower's Atoms for Peace Program to promote peaceful use of nuclear energy. First Lady Mamie Eisenhower christened the *Savannah* at her launching on 21 July 1959. It took a couple more years to complete the reactor before her maiden voyage 20 August 1962 where she went on tour promoting nuclear energy. During her tours, she visited over 70 ports around the world demonstrating uses of nuclear energy. In 1965 she became entirely a cargo vessel until 1971 when she was decommissioned. She spent time in Savannah, GA; Galveston, TX; Mount Pleasant, SC; and Newport News, VA before settling down at the Canton Marine Terminal in Baltimore, MD where she can normally be seen and occasionally toured. On 9 September 2019, the day of this photo, NS *Savannah* departed Baltimore harbor towed in dead ship status by the MV *Patrice McAllister* for scheduled maintenance at a shipyard in Philadelphia, PA.

INFORMATION
OF
SPECIAL INTEREST
OR
IMPORTANCE
TO
MARINERS

NM 47/19

HYDROGRAM

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

SPECIAL
ANNOUNCEMENTS
NEW PRODUCTS
OR SERVICES
IMPORTANT
CHANGES

23 November 2019

NGA/DLIS CATALOG OF MAPS, CHARTS AND RELATED PRODUCTS

THE NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY (NGA) AND THE DEFENSE LOGISTICS AGENCY (DLA) ANNOUNCE THE FORTY-NINTH EDITION OF THE CATALOG OF MAPS, CHARTS AND RELATED PRODUCTS. SEE SECTIONS II AND III.

DNC ISSUE WITH MISSING DATA

NGA HAS DISCOVERED AN ISSUE WITH PARTIAL DNC DATA MISSING IN VMS 9.3, 9.4, 9.5. SEE SECTION III FOR DETAILS.

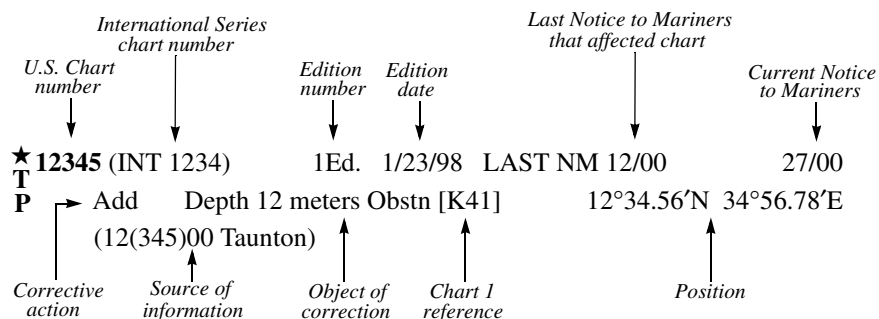
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY'S IMPLEMENTATION OF A HARDCOPY TO DIGITAL TRANSITION STRATEGY

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

EXPLANATION OF CONTENTS

The Notice to Mariners contains corrective information affecting nautical charts, the NGA/DLIS Catalog of Maps Charts and Related Products, Coast Pilots, 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 47/19

<p>★1116A 80Ed. 7/17 LAST NM 46/19 47/19 Change Legend to "Obstn (auth min 5 fms)" 29°20.7'N 93°50.1'W (NOS)</p> <p>★11340 80Ed. 7/17 LAST NM 46/19 47/19 Change Legend to "Obstn (auth min 5 fms)" 29°20.7'N 93°50.1'W (NOS)</p> <p>★11341 45Ed. 3/19 LAST NM 42/19 47/19 Change Legend to "Obstn Fish Haven (auth min 30ft)" (NOS) 29°21'17"N 93°50'18"W</p> <p>★12311 48Ed. 2/19 LAST NM 39/19 47/19 Delete Light (F 14ft Priv) 39°44'09"N 75°30'14"W (41/19 CG5)</p> <p>★12312 58Ed. 11/18 LAST NM 34/19 47/19 Delete Light (F 14ft Priv) 39°44'09"N 75°30'13"W (41/19 CG5)</p> <p>14193 1Ed. 12/26/14 LAST NM N21/19 N47/19 (Lower Panel) Add Depth 10.5 meters 45°02'32.8"N 74°34'56.6"W (9/19 Ottawa)</p> <p>14756 1Ed. 12/26/14 LAST NM N21/19 N47/19 (Lower Panel) Add Depth 21.6 meters Wk [K26] 44°57'10.0"N 74°59'55.6"W (Upper Panel) Add Depth 10.9 meters 45°00'53.3"N 74°39'37.1"W (9/19 Ottawa)</p> <p>14757 1Ed. 4/24/15 LAST NM N35/19 N47/19 (Upper Panel) Add Depth 21.6 meters Wk [K26] 44°57'10.0"N 74°59'55.6"W (9/19 Ottawa)</p> <p>17010 1Ed. 2/23/01 LAST NM N12/19 N47/19 Delete Legend "Harwood I" 49°51.6'N 124°42.4'W Add Legend "Ahygkson I" 49°51.5'N 124°42.7'W (9/19 Ottawa)</p> <p>17496 1Ed. 10/29/99 LAST NM N31/19 N47/19 Delete Legend "Sliammon" 49°53'41"N 124°35'53"W Legend "Sliammon Creek" 49°54'20"N 124°36'29"W Dashed line joining 49°54'57"N 124°38'40"W 49°55'10"N 124°38'40"W 49°55'11"N 124°38'09"W 49°54'52"N 124°38'09"W 49°54'55"N 124°34'35"W 49°54'04"N 124°34'35"W 49°53'28"N 124°35'53"W Legend "IR" 49°54'22"N 124°36'45"W Legend "IR" 49°52'04"N 124°39'00"W Legend "HARWOOD ISLAND" 49°51'49"N 124°39'02"W Add Legend "Tesshohsum" 49°53'41"N 124°35'43"W Legend "Kwahtums Tesshohsum" 49°54'24"N 124°36'30"W Legend "AHGYKSON ISLAND" 49°51'43"N 124°39'02"W (9/19 Ottawa)</p> <p>22170 3Ed. 8/4/01 LAST NM 38/19 47/19 Delete Light 13°44.1'S 76°13.2'W Substitute Dangerous wreck [K28] for depth 6.1 meters (6(85), 8(100)19 Callao) 13°46.8'S 76°15.0'W</p> <p>22181 18Ed. 4/8/17 LAST NM N46/19 N47/19 Delete Light 13°44'30"S 76°13'05"W Light 13°44'25"S 76°12'50"W Add Dangerous wreck [K28] 13°46'51"S 76°15'01"W</p>	<p>(Plan) Add Dangerous wreck [K28] 13°46'50.9"S 76°15'01.2"W (6(85), 8(100)19 Callao)</p> <p>22409 5Ed. 9/24/16 LAST NM N14/19 N47/19 (Panel A) Relocate Buoy from 48°58'49.8"S 74°25'05.0"W to 48°58'52.0"S 74°25'07.0"W (See N13/19) (9(75)19 Valparaiso)</p> <p>24012 40Ed. 9/7/96 LAST NM 20/19 47/19 Add Submarine cable [L30.1] between 13°00.4'S 38°27.8'W 13°05.7'S 38°23.7'W (7(46)15 Rio de Janeiro)</p> <p>24052 17Ed. 4/30/11 LAST NM N46/19 N47/19 Delete Buoy 34°26'39"S 57°53'27"W Change Characteristic of buoy "Km 10.400" to QG 34°46'37.2"S 57°50'53"W Characteristic of buoy "Km 10.400" to QR 34°46'34"S 57°51'03"W (Plan A) Change Characteristic of buoy "Km 10.400" to QG 34°46'37.2"S 57°50'52.8"W Characteristic of buoy "Km 10.400" to QR 34°46'33.6"S 57°51'03.0"W (10(154)18 Buenos Aires; 3(34)18 Montevideo)</p> <p>24055 7Ed. 12/8/12 LAST NM N17/19 N47/19 Delete Buoy 34°26.7'S 57°53.5'W (3(34)18 Montevideo)</p> <p>24162 11Ed. 8/27/16 LAST NM N43/19 N47/19 Relocate Buoy "No 2" from 22°53'23.4"S 43°09'49.8"W to 22°53'22.8"S 43°09'46.8"W (17(191)19 Rio de Janeiro)</p> <p>24200 14Ed. 8/3/96 LAST NM 38/16 47/19 Add Submarine cable [L30.1] joining 13°00.4'S 38°27.6'W 13°02.1'S 38°25.8'W 13°02.8'S 38°25.7'W 13°03.9'S 38°24.6'W 13°05.7'S 38°23.7'W (7(46)15 Rio de Janeiro)</p> <p>24240 6Ed. 7/20/13 LAST NM N33/19 N47/19 Add Submarine cable [L30.1] joining 3°43.7'S 38°27.5'W 3°41.3'S 38°24.1'W 3°36.9'S 38°20.5'W 3°30.2'S 38°17.3'W 3°23.0'S 38°13.7'W Submarine cable [L30.1] joining 3°40.4'S 38°13.6'W 3°39.9'S 38°13.3'W 3°38.0'S 38°09.0'W 3°38.2'S 38°06.6'W 3°37.1'S 38°04.0'W 3°32.1'S 37°57.8'W (7(46)15 Rio de Janeiro)</p> <p>24250 6Ed. 7/20/13 LAST NM N33/19 N47/19 Add Submarine cable [L30.1] joining 3°43.7'S 38°27.5'W 3°41.3'S 38°24.1'W 3°36.9'S 38°20.5'W 3°29.4'S 38°16.7'W 3°17.3'S 38°11.0'W Submarine cable [L30.1] joining 3°40.4'S 38°13.6'W 3°39.9'S 38°13.3'W 3°38.0'S 38°09.0'W 3°38.2'S 38°06.6'W 3°37.5'S 38°05.0'W (7(46)15 Rio de Janeiro)</p>
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24251	24Ed. 12/22/12	LAST NM N13/19	N47/19	
Add	Submarine cable [L30.1] between		3°43'42.7"S 38°27'27.0"W	
			3°43'19.4"S 38°26'48.0"W	
	Submarine cable [L30.1] between		3°44'10.8"S 38°27'13.0"W	
			3°44'10.8"S 38°26'48.0"W	
	(7(45, 46)15 Rio de Janeiro)			
24252	6Ed. 3/24/12	LAST NM N40/19	N47/19	
Add	Submarine cable [L30.1] joining		3°43'44"S 38°27'29"W	
			3°42'31"S 38°25'26"W	
			3°41'19"S 38°24'04"W	
			3°37'34"S 38°21'00"W	
	Submarine cable [L30.1] joining		3°44'58"S 38°26'50"W	
			3°44'50"S 38°26'07"W	
			3°44'52"S 38°24'53"W	
			3°43'25"S 38°21'00"W	
	Submarine cable [L30.1] joining		3°44'11"S 38°27'14"W	
			3°44'11"S 38°26'40"W	
			3°44'13"S 38°26'05"W	
			3°44'00"S 38°24'13"W	
			3°42'16"S 38°21'00"W	
	(7(45, 46)15 Rio de Janeiro)			
25528	5Ed. 5/17/97	LAST NM 43/19	47/19	
	(Plan A)			
Substitute	Beacon R, QR for buoy	14°00'58.8"N 61°00'16.2"W		
	(37(4692)19 Taunton)			
★25609	5Ed. 3/2/96	LAST NM 40/19	47/19	
Add	Danger circle "Obstn" [K40] (PA)		18°19'52"N 64°56'51"W	
	(NOS)			
25611	22Ed. 12/30/95	LAST NM 14/19	47/19	
Delete	Stranded wreck		18°24'57.6"N 64°36'01.2"W	
	(See 17/97)			
	(Plan)			
Delete	Stranded wreck		18°24'57.6"N 64°36'01.2"W	
	(11(1212)18 Taunton)			
★25649	20Ed. 8/10	LAST NM 31/17	47/19	
Add	Danger circle "Obstn" [K40] (PA)		18°19'51.5"N 64°56'51.4"W	
	(NOS)			
27163	21Ed. 11/5/94	LAST NM 46/19	47/19	
Relocate	Buoy "10-E" from 22°10'5.9"N		80°30'21.9"W	
	to		22°10'3.0"N 80°30'28.2"W	
	Substitute Beacon "Punta Majagua" RGR, cone topmark,			
	Fl(2+1) R 10s 2M for buoy "Punta de la			
	Majagua"		22°07'31.0"N 80°28'01.5"W	
	Change Range of beacon "8B" to 2M		22°09'09.6"N 80°27'20.7"W	
	Range of beacon "5B" to 2M		22°09'23.1"N 80°27'54.8"W	
	(4(101, 103, 107)18 Habana; CUB CH 11938, 27163)			
36050	(INT 1701)	1Ed. 2/2/17	LAST NM N33/19	N47/19
Add	Depth 48 meters Wk [K26]		50°11.7'N 4°46.4'W	
	(35(4458)19 Taunton)			
37003	3Ed. 1/18/18	LAST NM N30/19	N47/19	
Add	Depth 48 meters Wk [K26]		50°11.70'N 4°46.40'W	
	(35(4458)19 Taunton)			
37120	4Ed. 9/19/15	LAST NM N46/19	N47/19	
Relocate	Buoy "VG6" from 51°25.1'N 2°57.9'E to		51°25.2'N 2°56.2'E	
	(14(189)17 Oostende)			
37129	7Ed. 10/2/10	LAST NM N46/19	N47/19	
Relocate	Buoy "VG6" from 51°25'04"N 2°57'56"E to		51°25'13"N 2°56'14"E	
	(14(189)17 Oostende)			
37226	19Ed. 3/9/13	LAST NM N46/19	N47/19	
Delete	Buoy "WE 6/R 9"		53°46'21"N 8°26'58"E	
	Buoy "EN 5"		53°57'09"N 8°29'20"E	
	Depth 14.2 meters		53°54'47"N 8°41'10"E	
	Depth 16.2 meters		53°55'08"N 8°40'44"E	
Substitute	Depth 16.7 meters for 14.6 meters		53°54'55"N 8°40'59"E	
Add	Buoy "WE 4/R 4" R, pillar, Fl R 4s		53°46'43"N 8°26'42"E	
	Depth 9.5 meters enclosed by depth contour			
	(10-meter) centered		53°57'30"N 8°34'59"E	
	Depth 9.6 meters enclosed by depth contour			
	(10-meter) centered		53°57'19"N 8°35'41"E	
	Depth 5.8 meters enclosed by depth contour			
	(10-meter) centered		53°57'13"N 8°36'00"E	
	Depth 8.9 meters enclosed by depth contour			
	(10-meter) centered		53°57'28"N 8°35'17"E	
	Depth 4.7 meters		53°54'49"N 8°41'51"E	
	and extend depth contour (5-meter) and blue tint SW to enclose			
	Depth 14 meters		53°57'19"N 8°36'28"E	
	Depth 8.4 meters		53°54'25"N 8°42'06"E	
	Depth 15.7 meters		53°55'13"N 8°40'38"E	
	Depth 15 meters		53°54'50"N 8°41'13"E	
	Depth 23 meters		53°51'34"N 8°44'17"E	
	Depth 14.9 meters		53°51'38"N 8°44'06"E	
	(Plan)			
Delete	Depth 13.1 meters		53°51'31.2"N 8°44'18.2"E	
	Depth 13.7 meters		53°51'36.5"N 8°44'13.7"E	
Add	Depth 23 meters		53°51'34.0"N 8°44'17.0"E	
	Depth 14.9 meters		53°51'38.4"N 8°44'05.7"E	
	(7(44), 36(1240)17, 31-32(44), 36(44), 47(44)18, 28-29(44), 34(44), 37(44)19 Hamburg; DEU CH 44)			
37229	16Ed. 2/2/13	LAST NM N42/19	N47/19	
Add	Depth 12.4 meters		53°43'25.2"N 9°27'57.6"E	
	(48(1640)18 Hamburg)			
37231	19Ed. 11/12/11	LAST NM N46/19	N47/19	
Delete	Buoy "EN 5"		53°57'09"N 8°29'20"E	
Add	Depth 14.9 meters		53°43'56"N 8°03'53"E	
	Depth 14.2 meters		53°44'43"N 8°04'13"E	
	(7(2), 44(2)18 Hamburg; DEU CH 44)			
37232	13Ed. 6/14/08	LAST NM N24/19	N47/19	
Add	Depth 14.4 meters		53°40'58.4"N 8°04'40.3"E	
	(DEU CH 7)			
37244	13Ed. 9/28/13	LAST NM N46/19	N47/19	
Relocate	Buoy "VG6" from 51°25.1'N 2°57.9'E to		51°25.2'N 2°56.2'E	
	(14(189)17 Oostende)			
37248	20Ed. 3/17/12	LAST NM N40/19	N47/19	
Delete	Buoy "VG6"		51°25'04"N 2°57'55"E	
	(14(189)17 Oostende)			
38603	3Ed. 6/1/13	LAST NM N33/19	N47/19	
Delete	Beacon		64°08'19.7"N 21°49'52.3"W	
	Beacon		64°08'12.1"N 21°49'47.3"W	
	(4(22)19 Reykjavik)			
43300	6Ed. 6/27/15	LAST NM N5/16	N47/19	
Change	Range of light to 13-10M		59°07.8'N 5°14.6'E	
	(NOR CH 16)			
43340	14Ed. 6/13/15	LAST NM N10/16	N47/19	
Change	Range of light to 13-10M		59°07.8'N 5°14.6'E	
	(NOR CH 16)			

SECTION I

NM 47/19

★43341	7Ed. 9/14/96	LAST NM 43/19	47/19				
Delete		"Obstn (Marine farm)"	59°11'46"N	5°48'40"E	Add	Land tint to area bound by shore and solid line joining	59°08'30"N 5°48'58"E 59°08'28"N 5°49'02"E 59°08'28"N 5°49'11"E 59°08'31"N 5°49'08"E 59°08'34"N 5°49'10"E
		Legend "CONTINUED ON 43324"	59°13'57"N	5°07'01"E			
		Legend "CONTINUED ON 43324"	59°13'57"N	5°25'02"E			
		Light	59°00'06"N	5°46'03"E		Land tint to area bound by shore and solid line joining	58°53'21"N 5°44'55"E 58°53'21"N 5°45'01"E 58°53'18"N 5°45'03"E 58°53'16"N 5°45'02"E 58°53'16"N 5°44'59"E
		Buoy	59°03'31"N	5°27'51"E			
Change		Range of light to 13-10M	59°07'51"N	5°14'34"E			
		Light to "Øksneset" Oc WRG 6s 9m 11-8M with sectors red 346.5°-358°, green-017.5°, white-024°, red-088.5°, white-090°, green-166.5°, white-171.5°, red-176.5°, white-179.5°, green-190°, red-221°	59°12'15"N	5°55'13"E		Double solid line with land tint (breakwater) [F4.1] joining	59°08'15"N 5°35'14"E 59°08'22"N 5°35'15"E 59°08'24"N 5°35'21"E
		Range of light "Sandholmen" to 3-2M	59°02'29"N	5°25'18"E		Submarine cable [L30.1] between	59°11'27"N 5°58'22"E 59°11'21"N 5°58'51"E
		Range of light to 6-5M	59°09'45"N	5°25'22"E			
		Range of light to 5M	59°08'26"N	5°14'18"E		Submarine cable [L30.1] joining	59°08'17"N 5°47'51"E 59°08'07"N 5°47'49"E 59°07'53"N 5°47'39"E 59°07'46"N 5°47'39"E 59°07'22"N 5°47'53"E 59°07'10"N 5°47'51"E
		Light to "Kalvaneset" L Fl WRG 10s 16m 7-5M with sectors red 022°-063°, white-197°, red-201.5°, white-246°, green-258°	59°04'31"N	5°23'49"E			
		Light to "Gryda" Iso WRG 2s 8m 4-2M	59°02'56"N	5°36'29"E		Submarine cable [L30.1] joining	59°04'07"N 5°45'38"E 59°04'08"N 5°46'11"E 59°04'24"N 5°47'17"E 59°04'30"N 5°48'05"E 59°04'24"N 5°49'12"E 59°04'33"N 5°49'44"E 59°05'11"N 5°51'10"E 59°05'45"N 5°51'32"E 59°06'04"N 5°52'01"E 59°06'25"N 5°52'04"E 59°06'45"N 5°51'42"E 59°06'48"N 5°51'17"E 59°06'55"N 5°50'53"E 59°07'03"N 5°50'21"E 59°07'28"N 5°48'42"E 59°07'27"N 5°47'56"E 59°08'33"N 5°46'38"E 59°09'09"N 5°46'18"E 59°09'08"N 5°45'25"E 59°08'48"N 5°43'08"E 59°09'26"N 5°41'40"E 59°10'10"N 5°40'38"E 59°10'48"N 5°40'33"E
Add		Marine farm symbol [K48.2]	59°11'47"N	5°48'30"E			
		Mooring ground tackle [L18] between	59°11'47"N	5°48'30"E			
			59°11'38"N	5°48'36"E			
		Mooring ground tackle [L18] between	59°11'47"N	5°48'30"E			
			59°11'57"N	5°48'19"E			
		Mooring ground tackle [L18] between	59°11'47"N	5°48'30"E			
			59°11'36"N	5°48'14"E			
		Mooring ground tackle [L18] between	59°11'47"N	5°48'30"E			
			59°11'36"N	5°48'22"E			
		Mooring ground tackle [L18] between	59°11'47"N	5°48'30"E			
			59°11'55"N	5°48'43"E			
		Mooring ground tackle [L18] between	59°11'47"N	5°48'30"E			
			59°11'47"N	5°48'53"E			
		Mooring ground tackle [L18] between	59°11'47"N	5°48'30"E			
			59°11'46"N	5°48'06"E			
		Mooring ground tackle [L18] between	59°11'47"N	5°48'30"E		Submarine cable [L30.1] joining	58°55'53"N 5°47'24"E 58°55'42"N 5°46'42"E 58°55'39"N 5°46'41"E 58°55'37"N 5°46'46"E
			59°11'56"N	5°48'37"E			
		Marine farm symbol [K48.2]	59°07'56"N	5°43'19"E			
		Mooring ground tackle [L18] between	59°07'56"N	5°43'26"E		Submarine cable [L30.1] joining	59°06'59"N 5°47'45"E 59°06'53"N 5°47'33"E 59°06'52"N 5°47'23"E 59°06'48"N 5°46'35"E 59°06'49"N 5°46'26"E
			59°08'04"N	5°43'36"E			
		Mooring ground tackle [L18] between	59°07'58"N	5°42'55"E			
			59°07'49"N	5°43'33"E			
		Mooring ground tackle [L18] between	59°07'01"N	5°51'16"E		Submarine pipeline [L40.1] joining	59°12'55"N 5°23'19"E 59°13'00"N 5°23'07"E 59°13'00"N 5°23'01"E 59°13'04"N 5°22'52"E 59°13'06"N 5°22'36"E 59°13'07"N 5°22'21"E
			59°06'47"N	5°51'31"E			
		Mooring ground tackle [L18] between	59°07'52"N	5°43'20"E			
			59°07'41"N	5°43'15"E			
		Mooring ground tackle [L18] between	59°08'01"N	5°43'18"E		Submarine pipeline [L40.1] joining	58°55'07"N 5°44'08"E 58°55'05"N 5°44'17"E 58°55'05"N 5°44'47"E 58°55'07"N 5°45'04"E 58°55'09"N 5°45'32"E
			59°07'56"N	5°43'36"E			
		Mooring ground tackle [L18] between	59°07'54"N	5°43'11"E			
			59°07'42"N	5°42'57"E			
		Depth 29 meters	58°52'21"N	5°28'26"E		Submarine pipeline [L40.1] between	59°08'56"N 5°16'32"E 59°08'35"N 5°16'46"E
		Depth 10.4 meters Wk [K26]	58°58'17"N	5°45'24"E			
		Light VQ(6) + LFl W 10s	59°00'48"N	5°50'07"E		Submarine pipeline [L40.1] joining	59°11'24"N 5°58'22"E 59°11'26"N 5°58'28"E 59°11'35"N 5°58'30"E 59°11'52"N 5°57'26"E
		Light "Raunane" QR	59°00'24"N	6°00'54"E			
		Beacon VQ R	59°02'20"N	5°48'04"E			
		Beacon QG	59°04'05"N	5°53'14"E			
		Light FR	59°08'24"N	5°35'35"E			
		Light FG	59°08'24"N	5°35'21"E		Submarine pipeline [L40.1] between	59°10'17"N 5°52'37"E 59°10'05"N 5°53'25"E
		Light QR	59°03'06"N	5°48'19"E			
		Light FR	59°10'10"N	5°27'52"E			
		Pole [Q90]	59°13'11"N	5°50'12"E			

(continued on next page)

43341 (Continued)
 Add Submarine pipeline [L40.1] joining 59°06'48"N 5°47'50"E
 59°06'50"N 5°47'40"E
 59°06'50"N 5°47'23"E
 59°06'51"N 5°47'05"E
 59°06'48"N 5°46'26"E

Submarine pipeline [L40.1] joining 59°11'24"N 5°58'22"E
 59°11'22"N 5°58'34"E
 59°10'30"N 5°58'35"E
 59°09'54"N 5°58'43"E

Submarine pipeline [L41.1] joining 59°03'32"N 5°54'05"E
 59°03'45"N 5°54'25"E
 59°03'46"N 5°54'38"E
 59°03'43"N 5°54'50"E

Submarine pipeline [L40.1] joining 59°06'03"N 5°55'57"E
 59°06'06"N 5°55'47"E
 59°06'38"N 5°55'56"E
 59°06'43"N 5°56'38"E
 59°06'31"N 5°56'58"E

Submarine pipeline [L40.1] between 58°53'30"N 5°15'16"E
 58°52'00"N 5°15'18"E

(See 43/19)
 (NGA; 13(555, 559)04, 19(959)05, 19(1103)07, 19(921)09,
 9(27339, 27342)10, 17(38255)11, 20(45200)12, 9(51053), 17(51950)14,
 14(57555), 23(58206)17, 17(59296)18, 9(60198, 60235),
 10(60251)19 Stavanger; NOR CH 14, 16, 455; NOR LL)

43342 8Ed. 5/31/14 LAST NM N34/17 N47/19
 Delete Buoy 58°58'30.9"N 5°44'15.4"E
 Buoy 58°59'29.8"N 5°42'55.1"E
 Buoy 59°01'26.1"N 5°36'38.0"E
 Buoy 59°01'30.4"N 5°36'36.1"E
 Light 59°00'06.3"N 5°46'01.5"E
 Beacon 58°59'21.5"N 5°43'10.5"E

Change Light to "Gryda" Iso WRG 2s 8m 4-2M with
 sectors green 314°-323°, white 348.5°, red-
 018°, green-059°, white-061°, red-069°, green-
 080°, white-139°, red-170.5° 59°02'56.4"N 5°36'29.2"E

Range of light to 11-8M 58°58'18.3"N 5°52'47.4"E

Add Purple open-outlined arrow indicating flow of
 traffic [M10] oriented 154° 59°05'34.8"N 5°31'06.1"E

Purple tint area (traffic separation zone) [M13]
 bound by limit joining 59°05'40.2"N 5°31'25.1"E
 59°05'36.5"N 5°31'28.7"E
 59°05'38.7"N 5°31'37.2"E
 59°05'40.2"N 5°31'35.6"E

Note: Area extends beyond chart border

Purple open-outlined arrow indicating flow of
 traffic [M10] oriented 334° 59°05'36.5"N 5°31'53.5"E

Purple heavy dashed line (routing measure
 limit) [M15] between 59°05'40.2"N 5°30'42.3"E
 59°05'27.4"N 5°30'54.8"E

Submarine cable [L30.1] joining 59°04'07.5"N 5°45'38.5"E
 59°04'07.9"N 5°46'09.2"E
 59°04'24.0"N 5°47'16.1"E
 59°04'30.3"N 5°48'04.6"E
 59°04'24.1"N 5°49'13.2"E
 59°04'32.6"N 5°49'44.6"E
 59°05'11.9"N 5°51'11.5"E
 59°05'40.2"N 5°51'28.6"E

Light VQ(6) + LFl W 10s 59°00'48.0"N 5°50'07.5"E
 Submarine pipeline [L41.1] between 59°03'44.5"N 5°54'25.3"E
 59°03'32.2"N 5°54'05.3"E

Depth 10.4 meters Wk [K26] 58°58'16.7"N 5°45'23.9"E

Buoy YBY, pillar 58°58'32.3"N 5°43'51.4"E

Delete **(Plan A)**
 Depth 5.4 meters 58°58'54.2"N 5°43'01.5"E
 Buoy 58°58'30.8"N 5°44'15.3"E
 Buoy 58°59'29.7"N 5°42'53.9"E
 Buoy 58°58'48.6"N 5°43'59.3"E
 Beacon 58°58'33.5"N 5°44'59.6"E
 Beacon 58°59'21.6"N 5°43'10.4"E
 Beacon 58°58'57.2"N 5°44'01.4"E

Substitute Depth 8.3 meters for 9.3 meters 58°57'55.3"N 5°46'08.7"E
 Depth 4.8 meters for 7.8 meters 58°58'16.2"N 5°45'26.9"E

Add Depth 4.4 meters enclosed by depth contour
 (5-meter) centered 58°58'53.7"N 5°43'02.0"E

Depth 10.4 meters Wk [K26] 58°58'16.7"N 5°45'23.9"E

Buoy YBY, pillar 58°58'32.2"N 5°43'51.4"E
 (2(50277), 17(51950)14, 14(55779, 55780)16, 6(57067), 7(57093),
 21(58063), 23(58206)17, 4(58540), 17(59291)18, 1(59708),
 9(60198, 60219, 60235)19 Stavanger; NOR CH 16, 455; NOR LL)

43370 8Ed. 5/28/16 LAST NM N38/19 N47/19
 Add Submarine pipeline [L40.1] joining 59°31'56"N 10°24'54"E
 59°31'58"N 10°24'48"E
 59°32'11"N 10°24'35"E
 59°32'20"N 10°24'35"E
 59°32'27"N 10°24'37"E
 59°32'51"N 10°24'56"E
 59°33'07"N 10°25'02"E
 59°33'13"N 10°25'08"E
 59°33'19"N 10°25'07"E
 59°33'27"N 10°25'12"E
 59°33'34"N 10°25'15"E
 59°33'45"N 10°25'26"E
 59°33'47"N 10°25'34"E
 59°33'47"N 10°25'38"E
 59°33'43"N 10°25'43"E

(23(58221)17 Stavanger; NOR CH 3)

43371 14Ed. 5/28/16 LAST NM N46/19 N47/19
 Change Beacon to Iso G 6s 59°42'20"N 10°34'58"E
 Characteristic of beacon to FG 59°42'13"N 10°35'01"E
 Characteristic of beacon to Iso G 2s 59°42'01"N 10°35'59"E
 Beacon to FR 59°42'04"N 10°34'54"E
 Beacon to Iso R 2s 59°42'11"N 10°35'32"E
 Beacon to Oc G 6s 59°41'59"N 10°35'17"E
 Light to Iso R 2s 59°52'37"N 10°42'19"E

Add Submarine pipeline [L40.1] joining 59°31'56"N 10°24'54"E
 59°31'58"N 10°24'48"E
 59°32'11"N 10°24'35"E
 59°32'20"N 10°24'35"E
 59°32'27"N 10°24'37"E
 59°32'51"N 10°24'56"E
 59°33'07"N 10°25'02"E
 59°33'13"N 10°25'08"E
 59°33'19"N 10°25'07"E
 59°33'27"N 10°25'12"E
 59°33'34"N 10°25'15"E
 59°33'45"N 10°25'26"E
 59°33'47"N 10°25'34"E
 59°33'47"N 10°25'38"E
 59°33'43"N 10°25'43"E

Submarine pipeline [L40.1] joining 59°53'04"N 10°43'27"E
 59°53'09"N 10°43'40"E
 59°53'14"N 10°43'39"E
 59°53'13"N 10°43'28"E
 59°53'07"N 10°43'00"E
 59°53'05"N 10°42'59"E
 59°53'02"N 10°43'01"E

Submarine pipeline [L40.1] joining 59°52'17"N 10°43'32"E
 59°52'21"N 10°43'45"E
 59°52'25"N 10°44'04"E
 59°52'38"N 10°44'01"E
 59°52'46"N 10°43'53"E
 59°53'05"N 10°43'39"E
 59°53'04"N 10°43'27"E

(21(56318, 56321, 56326, 56328, 56330, 56338)16, 23(58221)17,
 23(59638)18, 15(60511)19 Stavanger; NOR CH 4)

43372 5Ed. 5/1/10 LAST NM N46/19 N47/19
 Delete Beacons (2) in vicinity 59°53'24.1"N 10°41'50.9"E
 Beacons (2) in vicinity 59°53'15.5"N 10°42'07.7"E
 Beacon 59°53'18.4"N 10°43'05.2"E
 Beacons (2) in vicinity 59°53'34.5"N 10°43'09.0"E

Change Light to Iso R 2s 59°52'37.4"N 10°42'19.1"E
 Light to Iso R 4s 59°53'13.2"N 10°42'58.4"E

(continued on next page)

SECTION I

NM 47/19

43372 (Continued)

Add	Submarine pipeline [L40.1] joining	59°53'03.8"N 10°43'27.4"E	
		59°53'08.6"N 10°43'39.7"E	
		59°53'13.8"N 10°43'39.5"E	
		59°53'13.2"N 10°43'28.2"E	
		59°53'07.4"N 10°42'59.8"E	
		59°53'04.7"N 10°42'58.6"E	
		59°53'01.9"N 10°43'00.9"E	
	Submarine pipeline [L40.1] joining	59°52'16.5"N 10°43'32.0"E	
		59°52'21.5"N 10°43'44.9"E	
		59°52'24.7"N 10°44'04.4"E	
		59°52'37.7"N 10°44'00.8"E	
		59°52'45.7"N 10°43'53.1"E	
		59°53'05.4"N 10°43'38.8"E	
		59°53'03.8"N 10°43'27.4"E	
	(24(49700)13, 23(59638)18, 1(59700), 15(60511)19 Stavanger; NOR CH 452)		
43374	2Ed. 10/26/13 LAST NM N44/19		N47/19
Delete	Light	59°45'23.7"N 10°34'01.2"E	
	Buoy	59°49'57.3"N 10°33'47.3"E	
Change	Characteristic of beacon to Iso G 6s	59°42'20.3"N 10°34'57.7"E	
	Characteristic of beacon to FG	59°42'12.8"N 10°35'01.1"E	
	Characteristic of beacon to Iso G 2s	59°42'00.8"N 10°35'58.6"E	
	Characteristic of beacon to FR	59°42'03.7"N 10°34'53.9"E	
	Beacon to Iso R 2s	59°42'11.1"N 10°35'32.5"E	
	Characteristic of beacon to Oc G 6s	59°41'58.7"N 10°35'17.0"E	
	Light to Iso R 2s	59°52'37.4"N 10°42'19.4"E	
	Light to FG	59°43'13.7"N 10°35'03.5"E	
	Light to Iso G 4s Racon (G)	59°50'22.4"N 10°35'11.6"E	
	Buoy to G, conical, Iso G 4s	59°40'49.5"N 10°36'02.8"E	
	Buoy to G, conical, Fl G 3s	59°43'25.9"N 10°32'37.8"E	
Add	Submarine pipeline [L40.1] joining	59°39'53.3"N 10°36'37.3"E	
		59°39'52.7"N 10°36'37.1"E	
		59°39'36.6"N 10°36'46.4"E	
		59°39'28.3"N 10°36'59.4"E	
		59°39'24.9"N 10°37'15.5"E	
		59°39'25.5"N 10°37'30.1"E	
	Submarine pipeline [L40.1] joining	59°52'16.5"N 10°43'32.0"E	
		59°52'21.5"N 10°43'44.9"E	
		59°52'24.7"N 10°44'04.4"E	
		59°52'37.7"N 10°44'00.8"E	
		59°52'45.7"N 10°43'53.1"E	
		59°53'00.0"N 10°43'42.4"E	
	Light QR to beacon	59°48'31.2"N 10°29'42.1"E	
	Light VQ(9) W 10s to beacon	59°50'08.9"N 10°43'30.5"E	
	Light "Mokkalassgrunnane" Iso G 2s	59°40'54.8"N 10°33'50.5"E	
	Beacon, Iso G 4s	59°43'56.1"N 10°33'45.1"E	
	Buoy Y, pillar [Q130.6]	59°45'58.8"N 10°43'40.2"E	
	Submarine cable [L30.1] joining	59°50'09.6"N 10°28'13.8"E	
		59°50'10.2"N 10°28'25.8"E	
		59°50'16.2"N 10°29'00.6"E	
		59°50'21.6"N 10°29'31.2"E	
		59°50'28.8"N 10°29'55.2"E	
		59°50'38.4"N 10°30'06.0"E	
		59°50'56.4"N 10°30'07.8"E	
		59°51'10.8"N 10°30'01.2"E	
		59°51'24.0"N 10°29'49.8"E	
		59°51'21.0"N 10°29'57.0"E	
		59°51'20.4"N 10°30'07.8"E	
		59°51'27.0"N 10°30'33.0"E	
		59°51'33.6"N 10°30'40.8"E	
		59°51'50.4"N 10°30'37.8"E	
		59°51'52.2"N 10°30'42.6"E	
	Light Fl WRG 2s 8m 4-3M with sectors green 191.5°-223°, white-226.5°, red-191.5°	59°49'58.6"N 10°33'42.7"E	
	Light Iso R 2s	59°41'14.5"N 10°32'57.0"E	
	Light Oc G 6s	59°44'27.2"N 10°34'52.3"E	

Delete	(Plan) Buoy	59°40'48.8"N 10°36'02.8"E	
Add	Submarine pipeline [L40.1] joining	59°39'53.3"N 10°36'37.3"E	
		59°39'52.7"N 10°36'37.1"E	
		59°39'36.6"N 10°36'46.4"E	
		59°39'28.3"N 10°36'59.4"E	
		59°39'24.9"N 10°37'15.5"E	
		59°39'25.5"N 10°37'30.1"E	
	Buoy G, conical, Iso G 4s (12(27947)10, 13(51522)14, 13(53737), 17(54063, 54086), 24(54661)15, 20(56198), 21(56198, 56318, 56321, 56326, 56328, 56330, 56338, 56423, 56544)16, 1(56558), 2(56707), 4(56850), 8(57178), 9(57211, 57221)17, 22(59571), 23(59638)18, 15(60511)19 Stavanger; NOR CH 402; NOR LL)	59°40'49.5"N 10°36'02.8"E	
43379	2Ed. 3/16/13 LAST NM N40/19		N47/19
Delete	Depth 1.2 meters	59°26'22.0"N 10°39'35.3"E	
	Depth 5 meters	59°26'23.8"N 10°39'39.1"E	
Substitute	Depth 5.9 meters R [K14.1] for 6.8 meters R	59°29'14.2"N 10°40'32.8"E	
	Depth 2.3 meters R [K14.1] for 2.7 meters R	59°30'50.2"N 10°40'42.5"E	
Add	Depth 11 meters	59°26'16.0"N 10°39'31.8"E	
	Solid line (pontoon) [F16] joining	59°26'43.3"N 10°39'24.8"E	
		59°26'42.8"N 10°39'25.4"E	
		59°26'40.4"N 10°39'25.0"E	
	Solid line (pontoon) [F16] joining	59°26'44.2"N 10°39'26.4"E	
		59°26'43.7"N 10°39'27.0"E	
		59°26'41.4"N 10°39'27.2"E	
Delete	(Plan) Depth 3.5 meters	59°26'24.7"N 10°39'41.9"E	
	Depth 1.2 meters	59°26'22.0"N 10°39'35.3"E	
	Depth 5 meters	59°26'23.8"N 10°39'39.1"E	
Substitute	Depth 5.1 meters for 7.3 meters	59°26'30.1"N 10°39'59.5"E	
	Depth 10.2 meters for 8.6 meters	59°26'19.1"N 10°39'34.7"E	
Add	Depth 11 meters (2(59787), 5(59892, 59977)19 Stavanger; NOR CH 482)	59°26'16.0"N 10°39'31.8"E	
44015	10Ed. 4/11/15 LAST NM 40/19		47/19
Add	Submarine cable [L30.1] joining	59°19.6'N 19°09.6'E	
		59°19.9'N 19°14.0'E	
		59°23.8'N 19°29.1'E	
		59°24.2'N 19°32.2'E	
		59°35.8'N 19°56.3'E	
		59°41.0'N 21°10.1'E	
		59°44.6'N 21°13.6'E	
		59°46.9'N 21°19.2'E	
		59°47.0'N 21°21.9'E	
	Dangerous wreck [K28]	57°46.8'N 22°05.1'E	
	Swept depth 22 meters Wk [K27]	57°47.1'N 22°43.3'E	
	Depth 32 meters Wk [K26]	57°40.9'N 23°01.6'E	
	Depth 29 meters Wk [K26]	57°46.9'N 22°49.2'E	
	Depth 38 meters Obstn [K41]	57°33.7'N 23°06.2'E	
	(10(72)19 Helsinki; 741(13750), 742(13753, 13756, 13761)19 Norrköping; 6(73), 10(167), 11(204)18, 10(250, 258)19 Riga)		
44084	2Ed. 3/8/14 LAST NM N41/19		N47/19
Add	(Panel B) Depth 1.6 meters	53°24'41.5"N 14°36'29.7"E	
	Depth 6.9 meters	53°24'53.1"N 14°36'46.0"E	
	Depth 7.4 meters	53°24'58.8"N 14°36'44.6"E	
	Depth 1.8 meters	53°24'54.9"N 14°36'37.1"E	
	(27(324)19 Gdynia)		
44180	7Ed. 3/8/14 LAST NM N22/19		N47/19
Delete	Racon from light "Remmargrund" and add V-AIS [S18.1]	59°45.5'N 19°19.1'E	

(continued on next page)

44180 (Continued)
 Add Submarine cable [L30.1] joining
 59°17.8'N 18°56.0'E
 59°17.9'N 18°58.5'E
 59°18.6'N 19°02.0'E
 59°19.5'N 19°07.2'E
 59°20.0'N 19°14.1'E
 59°21.5'N 19°20.8'E
 59°23.8'N 19°29.1'E
 59°24.3'N 19°32.2'E
 59°30.5'N 19°44.8'E
 59°35.8'N 19°56.3'E
 59°39.4'N 20°46.2'E
 59°41.0'N 21°10.1'E
 59°44.6'N 21°13.6'E
 59°46.8'N 21°18.2'E
 59°47.2'N 21°22.0'E
 (10(72)19 Helsinki; 741(13750), 742(13753, 13756, 13761),
 770(14279)19 Norrkoping; SWE CH 611; UKHO LL)

44181 6Ed. 5/30/09 LAST NM N41/19 N47/19
 Add Submarine cable [L30.1] joining
 59°15'28.0"N 18°16'40.2"E
 59°15'32.1"N 18°16'49.8"E
 59°13'39.9"N 18°24'04.7"E
 59°13'29.4"N 18°24'34.2"E
 59°13'40.4"N 18°24'51.4"E
 59°13'24.7"N 18°26'28.3"E
 59°12'17.1"N 18°30'12.0"E
 59°11'29.3"N 18°34'55.5"E
 59°12'19.3"N 18°38'08.0"E
 59°15'46.6"N 18°41'53.8"E
 59°17'12.3"N 18°44'00.0"E
 (741(13662)19 Norrkoping)

44182 5Ed. 7/18/09 LAST NM N46/19 N47/19
 Add Dredged area "10.6m (2018)" [I22] bound by
 shore and dashed line joining
 59°20'33.9"N 18°07'17.4"E
 59°20'32.9"N 18°07'18.3"E
 59°20'39.8"N 18°08'12.9"E
 59°20'42.3"N 18°08'06.5"E
 59°20'36.9"N 18°07'31.8"E
 59°20'37.5"N 18°07'31.3"E
 and delete all hydrography within above area
 (762(11518)19 Norrkoping)

44184 10Ed. 12/25/10 LAST NM N41/19 N47/19
 Add Submarine cable [L30.1] joining
 59°16'58.3"N 18°43'36.0"E
 59°17'36.9"N 18°44'33.8"E
 59°17'44.5"N 18°45'00.0"E
 59°18'15.5"N 18°46'54.5"E
 59°18'36.2"N 18°49'29.5"E
 59°18'16.2"N 18°50'33.7"E
 59°18'08.4"N 18°52'06.7"E
 59°17'28.2"N 18°54'23.4"E
 59°17'29.4"N 18°54'00.6"E
 Submarine cable [L30.1] joining
 59°17'25.4"N 18°54'01.6"E
 59°17'26.0"N 18°54'25.3"E
 59°17'40.0"N 18°54'48.4"E
 59°17'48.0"N 18°55'59.0"E
 (741(13662, 13750)19 Norrkoping)

44185 8Ed. 7/18/09 LAST NM N43/19 N47/19
 Add Submarine cable [L30.1] joining
 59°14'22.9"N 18°40'23.1"E
 59°15'46.5"N 18°41'53.8"E
 59°17'36.9"N 18°44'33.8"E
 59°17'44.5"N 18°45'00.1"E
 59°18'15.5"N 18°46'54.5"E
 59°18'36.0"N 18°49'29.5"E
 59°18'16.2"N 18°50'33.7"E
 59°18'08.4"N 18°52'06.7"E
 59°17'28.2"N 18°54'23.5"E
 59°17'29.4"N 18°54'00.7"E
 Submarine cable [L30.1] joining
 59°17'25.4"N 18°54'01.6"E
 59°17'26.0"N 18°54'25.2"E
 59°17'40.0"N 18°54'48.4"E
 59°17'48.7"N 18°55'58.6"E
 59°17'50.9"N 18°58'29.9"E
 59°17'58.7"N 18°59'25.4"E
 59°18'11.6"N 18°59'54.9"E
 59°18'33.6"N 19°02'02.5"E
 (741(13662, 13750)19 Norrkoping)

44187 3Ed. 9/3/16 LAST NM N38/19 N47/19
 Delete Racon from light "Remmargrund" 59°45'31"N 19°19'00"E
 and add V-AIS [[S18.1]]
 (770(14279)19 Norrkoping)

44200 10Ed. 9/7/13 LAST NM N36/18 N47/19
 Delete Racon from light "Remmargrund" 59°45.5'N 19°19.0'E
 and add V-AIS [S18.1]
 Add Submarine cable [L30.1] joining
 59°39.0'N 20°42.2'E
 59°41.0'N 21°10.1'E
 59°44.6'N 21°13.6'E
 59°46.7'N 21°18.2'E
 59°46.9'N 21°19.2'E
 59°47.1'N 21°21.9'E
 (10(72)19 Helsinki; 770(14279)19 Norrkoping; SWE CH 611;
 UKHO ARCS 3826-0; UKHO LL)

44320 5Ed. 6/14/14 LAST NM N46/19 N47/19
 Add Submarine cable [L30.1] joining
 59°39.5'N 20°49.0'E
 59°41.0'N 21°10.1'E
 59°44.6'N 21°13.6'E
 59°46.7'N 21°18.2'E
 59°46.9'N 21°19.2'E
 59°47.1'N 21°21.9'E
 (10(72)19 Helsinki)

44323 1Ed. 3/29/14 LAST NM N46/19 N47/19
 Add Submarine cable [L30.1] joining
 59°41.34'N 21°10.44'E
 59°44.60'N 21°13.63'E
 59°46.73'N 21°18.18'E
 59°46.93'N 21°19.18'E
 59°47.09'N 21°21.86'E
 (10(72)19 Helsinki)

44324 1Ed. 3/29/14 LAST NM N29/19 N47/19
 Add Submarine cable [L30.1] joining
 60°06.49'N 21°41.08'E
 60°06.47'N 21°41.23'E
 60°06.58'N 21°41.60'E
 60°06.69'N 21°41.87'E
 (27(222)19 Helsinki)

44326 1Ed. 3/29/14 LAST NM N39/19 N47/19
 Delete Purple heavy dashed line (fairway area limit)
 between
 60°23.62'N 22°06.19'E
 60°22.63'N 22°06.77'E
 Add Purple dashed line (fairway area limit) [M15]
 joining
 60°23.62'N 22°06.19'E
 60°24.30'N 22°07.10'E
 60°24.26'N 22°07.45'E
 60°22.63'N 22°06.77'E
 (18(145)19 Helsinki)

44327 1Ed. 3/9/13 LAST NM N39/19 N47/19
 Delete Purple heavy dashed line (fairway area limit)
 between
 60°23'37.2"N 22°06'11.6"E
 60°22'38.0"N 22°06'46.3"E
 Add Purple dashed line (fairway area limit) [M15]
 joining
 60°23'37.2"N 22°06'11.6"E
 60°24'18.1"N 22°07'06.4"E
 60°24'15.5"N 22°07'26.9"E
 60°22'38.0"N 22°06'46.3"E
 (18(145)19 Helsinki)

44400 6Ed. 1/30/16 LAST NM N41/19 N47/19
 Add Dangerous wreck [K28] 57°46.8'N 23°05.1'E
 Depth 32 meters Wk [K26] 57°40.9'N 23°01.6'E
 (10(167)18, 10(258)19 Riga)

44401 10Ed. 7/30/16 LAST NM N41/19 N47/19
 Delete Depth 8.6 meters
 (See N35/17) 57°02'48.0"N 24°04'04.3"E
 Add Depth 5.4 meters Obstn [K41] 57°02'48.2"N 24°04'02.6"E
 (Panel B)
 Delete Depth 4.8 meters Obstn 57°01'28.2"N 24°06'57.0"E
 Add Depth 11 meters Obstn [K41] 57°00'40.4"N 24°06'50.9"E
 (9(242, 243), 10(249)19 Riga)

SECTION I

NM 47/19

44410	5Ed. 8/7/10	LAST NM 39/18	47/19	
	Add	Dangerous wreck [K28]	57°46.8'N 22°05.1'E	
		(10(258)19 Riga)		
44443	1Ed. 8/1/09	LAST NM N32/19	N47/19	
	Relocate	Buoy "No 12" from		
		56°31'55.8"N 20°58'37.2"E		
		to		
		56°31'52.7"N 20°58'37.2"E		
		(10(257)19 Riga)		
44446	2Ed. 4/23/16	LAST NM N39/19	N47/19	
	Add	Buoy "3A" G, conical, Fl G 3s	55°43'39.6"N 21°04'15.0"E	
		Buoy "3" G, conical, Fl G 3s	55°43'40.8"N 21°03'28.8"E	
		"Neringa Talasological (Marine) Reserve" area		
		[[N22] bound by breakwater, shore and purple		
		composite line joining		
		55°43'37.1"N 21°04'36.4"E		
		55°43'33.0"N 21°03'13.8"E		
		55°40'31.8"N 21°03'45.6"E		
		55°39'54.0"N 21°03'49.4"E		
		Note: Area extends beyond chart border		
		"Baltic Sea Talasological (Marine) Reserve"		
		area [N22] bound by shore and purple		
		composite line joining		
		55°46'27.6"N 21°04'30.6"E		
		55°46'09.6"N 21°02'15.6"E		
		55°46'58.8"N 21°01'49.8"E		
		55°47'00.0"N 20°58'18.0"E		
		55°48'06.0"N 20°57'14.7"E		
		Note: Area extends beyond chart border		
		(3-4(101)18, 4(63, 65)19 Klaipeda)		
44447	1Ed. 4/23/16	LAST NM N42/19	N47/19	
	Add	Buoy "3A" G, conical, Fl G 3s	55°43'39.6"N 21°04'15.0"E	
		Buoy BY, pillar, double cone topmark points		
		upward, QW [Q130.3]	55°41'10.3"N 21°08'10.2"E	
		"Under Construction (2019)" area [F32] bound		
		by dashed line joining		
		55°41'10.4"N 21°08'11.7"E		
		55°41'08.8"N 21°08'13.8"E		
		55°41'07.5"N 21°08'10.6"E		
		55°41'09.2"N 21°08'08.5"E		
		"Neringa Talasological (Marine) Reserve" area		
		[[N22] bound by breakwater, shore and purple		
		composite line between		
		55°43'37.3"N 21°04'35.8"E		
		55°43'35.1"N 21°04'00.0"E		
		Note: Area extends beyond chart border		
		(3-4(101)18, 4(63), 5(90)19 Klaipeda; 37(4703)19 Taunton)		
44462	6Ed. 4/28/18	LAST NM N46/19	N47/19	
		(Panel B)		
	Add	Buoy "CPN" YB, pillar, double cone topmark		
		points downward, VQ(6) W + L Fl 10s		
		[Q130.3]	54°22'56.4"N 18°39'26.9"E	
		(37(415)19 Gdynia)		
52117	1Ed. 11/11/06	LAST NM 30/19	47/19	
	Add	Depth 20 meters Wk (unsurveyed) [K30]	41°06'33"N 1°16'18"E	
		(33(225)12 Cadiz)		
52180	14Ed. 7/31/99	LAST NM 44/19	47/19	
	Add	Wreck [K29]	37°23.9'N 9°49.4'E	
		(6(519)19 Bizerte)		
52184	5Ed. 1/21/17	LAST NM N46/19	N47/19	
	Add	Wreck [K29]	37°23'51"N 9°49'24"E	
		(6(519)19 Bizerte)		
52200	8Ed. 3/20/99	LAST NM 43/19	47/19	
	Substitute	Depth 17 meters for 20 meters	36°55.5'N 8°00.4'E	
		Note: Blue tint and depth contour (20-meter)		
		remain		
	Add	Wreck [K29]	37°23.9'N 9°49.4'E	
		Dangerous wreck [K28] "Rep (2018)" (PA)		
		with legend "(buoyed)"	36°54.3'N 7°50.5'E	
		(6(519)19 Bizerte; 17(1)17 Brest; 3(375)19 Taunton)		
52202	7Ed. 7/1/95	LAST NM 35/11	47/19	
	Substitute	Depth 17 meters for 20 meters	36°55'39"N 8°00'24"E	
		Note: Depth contour (20-meter) remains		
	Add	Dangerous wreck [K28] "Rep (2018)" (PA)		
		with legend "(buoyed)"	36°54'16"N 7°50'30"E	
		(17(1)17 Brest; 3(375)19 Taunton)		
53084	7Ed. 5/11/13	LAST NM N46/19	N47/19	
	Add	Anchoring prohibited symbol [N20]	43°41'36"N 7°19'20"E	
		Anchoring prohibited symbol [N20]	43°41'18"N 7°20'46"E	
		"Anchoring Prohibited" area [N20] bound by		
		shore and purple composite line joining		
		43°42'11"N 7°18'45"E		
		43°42'10"N 7°18'59"E		
		43°41'46"N 7°19'20"E		
		43°42'01"N 7°19'25"E		
		(38(91)19 Brest)		
53086	9Ed. 1/25/14	LAST NM N46/19	N47/19	
	Add	Anchoring prohibited symbol [N20]	43°41'36"N 7°19'20"E	
		Anchoring prohibited symbol [N20]	43°41'18"N 7°20'46"E	
		"Anchoring Prohibited" area [N20] bound by		
		shore and purple composite line joining		
		43°42'11"N 7°18'44"E		
		43°42'10"N 7°18'59"E		
		43°41'46"N 7°19'20"E		
		43°42'02"N 7°19'25"E		
		(38(91)19 Brest)		
53087	10Ed. 1/18/14	LAST NM N46/19	N47/19	
	Add	"Anchoring Prohibited" area [N20] bound by		
		shore and purple composite line joining		
		43°41'29.9"N 7°19'14.6"E		
		43°41'38.0"N 7°19'17.3"E		
		43°41'36.6"N 7°19'30.4"E		
		"Anchoring Prohibited" area [N20] bound by		
		shore and purple composite line joining		
		43°41'12.1"N 7°20'39.2"E		
		43°41'21.5"N 7°20'40.6"E		
		43°41'15.4"N 7°20'57.2"E		
		43°41'13.7"N 7°20'58.8"E		
		Legend "CAUTION NO 7 (APR-OCT)"		
		43°42'14.1"N 7°19'03.1"E		
		Purple composite line (anchoring prohibited		
		area limit) [N20] joining		
		43°42'10.6"N 7°18'46.6"E		
		43°42'10.3"N 7°18'58.9"E		
		43°41'46.2"N 7°19'19.7"E		
		43°42'01.3"N 7°19'25.3"E		
		(38(91)19 Brest)		
53100	18Ed. 2/14/15	LAST NM N44/19	N47/19	
	Delete	Dashed line and legend "SEE NOTE" between		
		43°54.8'N 10°07.0'E		
		44°01.0'N 9°55.7'E		
	Add	Legend "SEE NOTE"	44°01.3'N 9°55.4'E	
		(6(4)15 Genova; UKHO ARCS 118-1)		
53105	21Ed. 4/19/08	LAST NM N30/19	N47/19	
	Delete	Floating dock	44°05'59.5"N 9°51'20.5"E	
		Buoy (mooring), purple composite-line circle		
		and legend "ENTRY PROHIBITED" in		
		vicinity	44°05'59.9"N 9°51'16.3"E	
		Light	44°05'42.8"N 9°51'48.6"E	
		Light	44°06'08.0"N 9°51'22.6"E	
		Light	44°05'41.5"N 9°51'48.6"E	
	Substitute	Depth 2.4 meters for 3.7 meters	44°03'07.2"N 9°51'29.8"E	
	Add	"Unsurveyed Area" [I25] bound by shore and		
		dashed line joining		
		44°06'01.5"N 9°51'23.2"E		
		44°05'58.3"N 9°51'16.4"E		
		44°05'57.2"N 9°51'17.5"E		
		44°06'00.5"N 9°51'24.1"E		
		(7(3), 14(1), 20(4)19 Genova)		

53106 8Ed. 9/12/15 LAST NM N30/19 N47/19
 Delete Floating dock 44°05'59.5"N 9°51'20.5"E
 Substitute Depth 3.8 meters for 7.3 meters 44°02'28.2"N 9°57'21.6"E
 and extend depth contour (5-meter) NW to
 enclose
 Depth 3.1 meters for 3.8 meters 44°02'54.0"N 10°00'20.4"E
 Depth 10.6 meters for 11.7 meters
 44°02'10.8"N 9°58'19.8"E
 Depth 3.4 meters for 4 meters 44°02'40.8"N 10°00'50.4"E
 (14(1), 20(5)19 Genova)

53130 1Ed. 9/9/89 LAST NM 32/19 47/19
 Add Depth 25 meters Wk [K26] 40°59.4'N 9°37.2'E
 (13(5)18 Genova)

53284 4Ed. 3/28/92 LAST NM 32/19 47/19
 Substitute Depth 2.3 meters for 3.6 meters 41°06'10"N 9°33'52"E
 Depth 4.6 meters for 8.2 meters 41°06'02"N 9°34'21"E
 and extend depth contour (5-meter) E to
 enclose
 Depth 3 meters for 7 meters 41°05'49"N 9°34'20"E
 and extend depth contour (5-meter) S to
 enclose
 (17(9), 18(6)14, 11(9)18 Genova)

54061 13Ed. 12/14/13 LAST NM N34/19 N47/19
 Add Legend "Works in progress" 40°28'38.4"N 17°12'04.2"E
 Dashed line between 40°28'25.2"N 17°12'04.5"E
 40°28'25.8"N 17°12'18.4"E
 (20(13)19 Genova)

55046 5Ed. 8/4/12 LAST NM N46/19 N47/19
 Delete Pilot station symbol 40°50'05"N 29°13'13"E
 Pilot station symbol 40°50'11"N 29°15'21"E
 (UKHO ARCS 1015-0)

55063 2Ed. 3/10/18 LAST NM N45/19 N47/19
 Add Quarantine and dangerous cargo anchorage
 area "No 5 (SEE NOTE)" [N12.2] bound by
 purple dashed line joining 42°30'00"N 27°34'54"E
 42°30'00"N 27°36'06"E
 42°29'24"N 27°36'06"E
 42°29'24"N 27°34'54"E
 (31(413)19 Kyiv)

55081 1Ed. 2/9/19 LAST NM N17/19 N47/19
 Delete Depth 9.9 meters 46°31'16.2"N 30°45'33.2"E
 Add Depth 8.6 meters 46°31'18.5"N 30°45'28.8"E
 (21(288)19 Kyiv)

55082 11Ed. 4/6/19 LAST NM N29/19 N47/19
 Delete Depth 9.9 meters 46°31'16"N 30°45'34"E
 Purple dashed line (anchorage area limit)
 joining 46°30'51"N 30°59'50"E
 46°30'28"N 30°58'26"E
 46°30'13"N 30°58'07"E
 Substitute Depth 19.2 meters, blue tint and enclosing
 depth contour (20-meter) for 21 meters
 46°30'01"N 30°52'13"E
 Depth 5.6 meters for 7.7 meters 46°33'26"N 31°03'03"E
 Add Depth 8.6 meters 46°31'19"N 30°45'29"E
 Depth 17.8 meters 46°29'18"N 30°58'17"E
 Purple dashed line (anchorage area limit)
 [N12.1] between 46°30'51"N 30°59'50"E
 46°30'13"N 30°58'07"E
 AIS [S17.1] to range light, front 46°38'41"N 31°01'50"E
 (10(124)18, 21(288)19 Kyiv; 12(1440)19 Taunton; UKR CH 3502)

55085 9Ed. 9/21/96 LAST NM 10/19 47/19
 Delete "ANCH AREA NO 356 LNG TANKERS AND
 CHEMICAL CARRIERS" in vicinity 46°31.3'N 30°58.4'E
 Substitute V-AIS, ball topmark [S18.5] for buoy "1"
 46°08.3'N 31°06.0'E

Change Height of light to 29m 46°19.0'N 31°30.5'E
 Characteristic of range light, rear to
 Dir Q WRG 46°19.6'N 30°38.5'E
 Add "ANCH AREA NO 356" [N12.3] bound by
 purple dashed line joining 46°31.9'N 30°57.5'E
 46°32.5'N 30°59.1'E
 46°31.1'N 31°00.0'E
 46°30.9'N 30°59.9'E
 46°30.2'N 30°58.1'E
 46°28.9'N 30°58.7'E
 46°28.6'N 30°57.8'E
 46°29.1'N 30°57.6'E
 Depth 9 meters 45°51.7'N 30°15.5'E
 and extend depth contour (10-meter) SE to
 enclose
 (30(256)14, 2(16)17, 21(289)19 Kyiv; UKR CH 3502;
 UKHO ARCS 2212-0)

55100 8Ed. 1/23/99 LAST NM 46/19 47/19
 Substitute V-AIS, ball topmark [S18.5] for buoy "1"
 46°08.3'N 31°06.0'E
 (30(256)14 Kyiv)

55130 2Ed. 2/8/97 LAST NM 27/19 47/19
 Delete Anchorage area in vicinity 46°31.2'N 30°58.6'E
 Substitute V-AIS, ball topmark [S18.5] for buoy "1"
 46°08.3'N 31°06.0'E
 Change Height of light to 29m 46°19.0'N 31°30.5'E
 Characteristic of range light, rear to
 Dir Q WRG 46°19.6'N 30°38.5'E
 Add Anchorage area [N12.1] bound by purple
 dashed line joining 46°31.9'N 30°57.5'E
 46°32.5'N 30°59.1'E
 46°31.1'N 31°00.0'E
 46°30.9'N 30°59.9'E
 46°30.2'N 30°58.1'E
 46°28.9'N 30°58.7'E
 46°28.6'N 30°57.8'E
 46°29.1'N 30°57.6'E
 Depth 8.7 meters Wk [K26] 45°46.7'N 30°12.1'E
 (30(256)14, 2(16)17, 21(290)19 Kyiv; UKR CH 3502;
 UKHO ARCS 2212-0)

61611 12Ed. 9/23/06 LAST NM 46/19 47/19
 Delete Legend "Minimum depth 13.0m (1997)"
 7°17'31.5"S 72°23'50.3"E
 Add Depth 10.9 meters 7°17'30.0"S 72°23'48.0"E
 Depth 12.1 meters 7°17'35.4"S 72°23'58.2"E
 Depth 12.8 meters 7°17'19.8"S 72°23'39.0"E
 (42(5312)19 Taunton)

61612 5Ed. 10/14/06 LAST NM 46/19 47/19
 Add Depth 10.9 meters 7°17'30"S 72°23'48"E
 (42(5312)19 Taunton)

62001 5Ed. 2/1/03 LAST NM 46/19 47/19
 Delete Stranded wreck 21°52.2'N 38°46.2'E
 (18(2163)10 Taunton)

62140 1Ed. 6/27/92 LAST NM 50/17 47/19
 Delete Stranded wreck 21°52'00"N 38°44'57"E
 Add Depth 7.9 meters Wk [K26] 21°52'19"N 38°44'51"E
 (18(2163)10 Taunton)

62270 5Ed. 12/17/05 LAST NM 44/13 47/19
 Add Depth 8.5 meters "Rep (2010)", blue tint and
 enclosing dotted-line circle [I4] centered
 19°01.3'N 38°09.8'E
 (14(1632)10 Taunton)

62490 4Ed. 8/10/19 LAST NM 45/19 47/19
 Delete Depth 6.6 meters 27°42.6'N 49°24.5'E
 (38(4767)16 Taunton)

SECTION I

NM 47/19

- 62531** 6Ed. 7/16/16 LAST NM N43/19 N47/19
Delete Depth 6.6 meters and enclosing depth contour
(10-meter) in vicinity 27°42.6'N 49°24.6'E
(38(4767)16 Taunton)
- 62560** 5Ed. 11/23/13 LAST NM N46/19 N47/19
Delete Depth 6.6 meters, blue tint and enclosing depth
contour (10-meter) in vicinity 27°42.7'N 49°24.5'E
(38(4767)16 Taunton)
- 63170** 4Ed. 3/10/12 LAST NM N22/12 N47/19
Add Beacon, Fl R 2s 4°22.4'N 73°39.2'E
Depth 15 meters enclosed by depth contour
(100-meter) centered 4°20.6'N 73°36.9'E
(33(3659)13, 35(4402)19 Taunton)
- 63172** 5Ed. 1/27/07 LAST NM N45/19 N47/19
Add Caution note
"CAUTION
Mariners are advised not to anchor, trawl, or
fish in the vicinity of submarine cables."
4°08'57.0"N 73°34'00.0"E
(6(73)19 Dehra Dun)
- 63330** 9Ed. 4/13/91 LAST NM 46/19 47/19
Add Dangerous wreck [K28] 22°08.1'N 91°33.4'E
(19(223)19 Dehra Dun)
- 63337** 17Ed. 8/30/14 LAST NM N43/19 N47/19
Add Dangerous wreck [K28] 22°08'05"N 91°33'24"E
(19(223)19 Dehra Dun)
- 71230** 11Ed. 2/3/96 LAST NM 49/18 47/19
(Panel A)
Add Anchorage area [N12.1] bound by purple
dashed line joining 0°36.7'N 104°01.8'E
0°35.0'N 104°06.3'E
0°30.8'N 104°06.3'E
0°33.4'N 104°01.8'E
Anchorage area [N12.1] bound by purple
dashed line joining 0°25.0'N 104°00.0'E
0°25.0'N 104°10.0'E
0°18.0'N 104°10.0'E
0°18.0'N 104°00.0'E
(23(2827)10 Taunton)
- 71243** 6Ed. 1/12/08 LAST NM 46/19 47/19
Add Anchorage area [N12.1] bound by purple
dashed line joining 0°36'40"N 104°01'50"E
0°35'00"N 104°06'15"E
0°30'50"N 104°06'15"E
0°33'25"N 104°01'50"E
(23(2827)10 Taunton)
- 71265** 4Ed. 3/8/08 LAST NM 46/19 47/19
Delete Dangerous wreck "Rep (1994)" (PA) 0°17.3'N 104°01.1'E
Add Anchorage area [N12.1] bound by purple
dashed line joining 0°36.7'N 104°01.8'E
0°35.0'N 104°06.3'E
0°30.8'N 104°06.3'E
0°33.4'N 104°01.8'E
Anchorage area [N12.1] bound by purple
dashed line joining 0°25.0'N 104°00.0'E
0°25.0'N 104°10.0'E
0°18.0'N 104°10.0'E
0°18.0'N 104°00.0'E
(23(2827)10 Taunton; UKHO ARCS 1789-0)
- 72000** 8Ed. 8/5/95 LAST NM 34/19 47/19
Delete Depth 15 meters Wk (unsurveyed) (PA)
6°48.0'S 112°47.2'E
(IDN CH 96)
- 72021** 8Ed. 11/30/96 LAST NM 31/19 47/19
Delete Depth 15 meters Wk 6°48.4'S 112°45.9'E
(IDN CH 96)
- 72035** 8Ed. 9/26/98 LAST NM 34/19 47/19
Delete Depth 15 meters Wk (unsurveyed) (PA)
6°48.0'S 112°47.2'E
(IDN CH 96)
- 73004** 4Ed. 7/18/98 LAST NM 49/16 47/19
Substitute Depth 7.7 meters for 10 meters 8°30.8'S 125°40.9'E
Change Height of light to 85m 8°03.0'S 125°44.0'E
Add Light Fl 4.5s 80m 18M 8°09.3'S 125°05.6'E
(25(1125)18 Wollongong; 35(305)07 Jakarta; 8(954)10 Taunton;
UKHO ARCS 3296-3)
- 73082** 1Ed. 6/30/01 LAST NM 16/19 47/19
Delete Light (Fl 3s 10M) 8°32'27"S 125°32'36"E
Depth 10 meters 8°30'37"S 125°40'50"E
Add Light Fl 4.5s 80m 18M 8°09'06"S 125°05'50"E
Light Fl 3s 10M 8°32'30"S 125°32'18"E
Depth 7.7 meters 8°30'47"S 125°40'53"E
and extend depth contour (20-meter) and blue
tint SE to enclose
(Plan)
Delete Buoy (mooring) 8°32'55.8"S 125°34'34.8"E
Buoy (mooring) 8°32'59.4"S 125°34'39.7"E
Light 8°32'26.9"S 125°32'35.9"E
(20(1066)16, 25(1125)18 Wollongong; 35(305)07 Jakarta;
AUS CH 901, 312; UKHO ARCS 3296-3)
- 73580** 4Ed. 6/14/97 LAST NM 30/19 47/19
Add Depth 13.6 meters Wk [K26] 9°32'51"S 147°09'36"E
Depth 17.3 meters 9°30'10"S 147°07'50"E
and extend depth contour (20-meter) SE to
enclose
(9(346)18, 18(938)19 Wollongong)
- 73581** 4Ed. 8/15/98 LAST NM 42/19 47/19
Delete Stranded wreck 9°33'46.8"S 147°10'57.0"E
Buoy 9°28'45.0"S 147°07'24.6"E
Depth 6.6 meters 9°29'30.6"S 147°02'59.4"E
Depth 6.5 meters 9°28'38.4"S 147°00'45.3"E
Substitute Depth 13.6 meters Wk [K26] for 15 meters Wk
9°32'50.3"S 147°09'35.8"E
Depth 4.2 meters enclosed by depth contour
(5-meter) for 6.9 meters 9°29'53.4"S 147°03'31.8"E
Change Characteristic of Racon to (G) 9°32'21.0"S 147°08'01.8"E
Add Stranded wreck [K24] 9°33'53.4"S 147°10'47.4"E
Depth 4 meters enclosed by depth contour
(5-meter) centered 9°29'33.1"S 147°03'02.2"E
Depth 17.3 meters enclosed by depth contour
(20-meter) centered 9°30'10.2"S 147°07'50.4"E
Depth 1.4 meters enclosed by depth contour
(5-meter) centered 9°28'40.3"S 147°00'46.6"E
(Plan B)
Delete Buoy 9°28'45.0"S 147°07'24.6"E
Beacon 9°28'49.8"S 147°08'41.4"E
Beacon 9°28'50.4"S 147°08'43.2"E
(21(888)05, 15(740)11, 10(545)16, 9(346)18, 18(938)19 Wollongong;
AUS CH 621-0)
- 73590** 6Ed. 7/5/97 LAST NM 30/19 47/19
Add Depth 13.6 meters Wk [K26] 9°32.8'S 147°09.6'E
Depth 17.3 meters, blue tint and enclosing
depth contour (20-meter) centered 9°30.2'S 147°07.8'E
(9(346)18, 18(938)19 Wollongong)
- 74004** 2Ed. 2/11/95 LAST NM 34/19 47/19
Substitute Depth 7.8 meters for 9.1 meters 17°08.2'S 146°34.3'E
Depth 24.8 meters for 29.2 meters 16°49.1'S 146°17.8'E
Add Depth 10.5 meters 16°48.0'S 146°21.2'E
and extend blue tint and depth contour
(20-meter) N to enclose
(16(618)04 Wollongong; AUS CH 830)

74005 2Ed. 4/8/95 LAST NM 34/19 47/19
 Substitute Depth 24.8 meters for 29.2 meters 16°49.1'S 146°17.8'E
 (16(618)04 Wollongong)

74174 1Ed. 2/10/17 LAST NM N45/18 N47/19
 Add Chartlet A from Subsection I-2 26°45.08'S 153°10.00'E
 Chartlet B from Subsection I-2 26°48.75'S 153°12.50'E
 Chartlet C from Subsection I-2 26°48.75'S 153°08.40'E
 Chartlet D from Subsection I-2 26°52.00'S 153°10.00'E
 (25(1070)17, 13(645), 20(1038)19 Wollongong)

74180 3Ed. 7/26/13 LAST NM N18/16 N47/19
 Add Chartlet A from Subsection I-2 27°22.900'S 153°09.200'E
 Chartlet B from Subsection I-2 27°21.400'S 153°10.333'E
 (4(236)16, 6(258), 11(519)19 Wollongong; AUS CH 237)

74181 8Ed. 7/26/97 LAST NM 46/19 47/19
 Delete Dangerous wreck and buoy in vicinity 27°25'54"S 153°10'44"E
 Light 27°06'29"S 153°09'50"E
 Add Beacon G, cone topmark, Fl G 2.5s 27°05'37"S 153°18'36"E
 (11(467)07, 25(1118)18 Wollongong; AUS CH 236)

74185 1Ed. 2/10/17 LAST NM N46/19 N47/19
 Delete Buoy 27°11.52'S 153°13.03'E
 Relocate Beacon "M3" from 27°5.61'S 153°18.42'E to 27°5.64'S 153°18.60'E
 Add Stranded wreck [K24] 27°25.88'S 153°10.72'E
 Buoy R, pillar, can topmark, Fl R 2.5s 27°11.57'S 153°13.04'E
 (Plan)
 Substitute Buoy Y, conical, Fl Y 2.5s [Q130.6] for depth 0.6 meter 27°25.905'S 153°10.723'E
 Add Stranded wreck [K24] 27°25.883'S 153°10.724'E
 (13(515), 25(1118)18, 9(421)19 Wollongong)

74251 8Ed. 5/3/97 LAST NM 34/19 47/19
 Delete Depth 3 meters, blue tint and enclosing depth contour (5-meter) in vicinity 17°16'36"S 146°32'48"E
 Substitute Depth 6.7 meters for 9.1 meters 17°16'22"S 146°36'46"E
 Add Depth 1.2 meters, blue tint and enclosing depth contour (5-meter) centered 17°16'34"S 146°32'54"E
 (19(736)04 Wollongong)

74265 2Ed. 7/12/97 LAST NM 34/19 47/19
 Delete Depth 29 meters 16°48.8'S 146°17.9'E
 Depth 53 meters 17°00.3'S 146°24.3'E
 Depth 22 meters 16°57.8'S 146°27.4'E
 Depth 3.6 meters 17°00.4'S 146°28.5'E
 Note: Blue tint and depth contour remain
 Substitute Depth 7.8 meters for 9.1 meters 17°08.2'S 146°34.3'E
 Depth 23 meters for 29 meters 16°50.5'S 146°20.0'E
 Depth 10.7 meters for 17 meters 16°47.2'S 146°14.8'E
 Depth 11.6 meters, blue tint and enclosing depth contour (20-meter) for 24 meters 16°53.3'S 146°23.1'E
 Depth 10.7 meters, blue tint and enclosing depth contour (20-meter) for 25 meters 16°45.9'S 146°16.8'E
 Depth 10.5 meters, blue tint and enclosing depth contour (20-meter) for 20.1 meters 16°48.0'S 146°21.2'E
 Add Depth 1.3 meters 17°00.5'S 146°28.1'E
 Depth 24 meters 16°49.1'S 146°17.8'E
 Depth 32 meters 17°05.4'S 146°33.2'E
 and extend depth contour (50-meter) NW to enclose
 Depth 9.9 meters, blue tint and enclosing depth contour (10-meter) centered 16°57.6'S 146°27.5'E
 Depth 21.6 meters enclosed by depth contour (50-meter) centered 17°00.8'S 146°24.2'E

Add Depth 19.2 meters, blue tint and enclosing depth contour (20-meter) centered 16°51.1'S 146°22.3'E
 Depth 7.8 meters, blue tint and enclosing depth contour (10-meter) centered 16°48.3'S 146°15.9'E
 (16(618)04 Wollongong; AUS CH 830)

82683 4Ed. 3/14/98 LAST NM 46/19 47/19
 Delete Pilot station symbol and legend "Noumea Tankers only" 22°32.8'S 166°21.8'E
 Add Pilot station symbol [T1.2] with legend "Tanker" 22°32.2'S 166°23.7'E
 (FRA CH 6687; UKHO ARCS 936-0)

82689 4Ed. 10/10/15 LAST NM N38/19 N47/19
 Delete Pilot station symbol 22°30'27"S 166°25'37"E
 Add Pilot station symbol [T1.2] with legend "Tanker" 22°32'10"S 166°23'40"E
 Pilot station symbol [T1.2] with legend "Passe Nord" 22°31'07"S 166°24'56"E
 (FRA CH 6687)

91294 9Ed. 3/3/12 LAST NM N43/19 N47/19
 Add Depth 10.7 meters 14°36'18.9"N 120°55'42.7"E
 (43(5065)18 Taunton)

91297 10Ed. 4/2/11 LAST NM N43/19 N47/19
 Add Depth 10.7 meters 14°36'18.9"N 120°55'42.7"E
 (43(5065)18 Taunton)

94282 10Ed. 3/5/16 LAST NM N34/19 N47/19
 Substitute Depth 11.3 meters for 15.6 meters 36°00'42"N 120°13'50"E
 Add Depth 11.5 meters 36°05'38"N 120°13'06"E
 Depth 7.3 meters 36°01'23"N 120°14'23"E
 (34(4371)19 Taunton)

94283 9Ed. 1/30/16 LAST NM N34/19 N47/19
 Delete Depth 5.9 meters 36°04'28.7"N 120°13'25.0"E
 Add Depth 11.5 meters 36°05'38.2"N 120°13'06.2"E
 Depth 10.7 meters 36°05'04.8"N 120°12'46.3"E
 Depth 16.9 meters 36°02'22.3"N 120°16'54.3"E
 Depth 5.6 meters 36°04'30.2"N 120°13'25.6"E
 Depth 7.3 meters 36°01'22.7"N 120°14'22.7"E
 Depth 11.3 meters 36°00'42.4"N 120°13'49.7"E
 (34(4371)19 Taunton; CHN CH 12354)

95054 1Ed. 7/27/19 LAST NM N39/19 N47/19
 Add Dangerous wreck [K28] (PA) 37°36'10"N 126°15'59"E
 (39(896)19 Busan)

95060 15Ed. 12/22/12 LAST NM N46/19 N47/19
 Delete Depth 9.1 meters 37°21.2'N 125°55.7'E
 Add Dangerous wreck [K28] (PA) 37°36.2'N 126°16.0'E
 (39(896)19 Busan; KOR CH 3416;)

95065 8Ed. 8/19/17 LAST NM N44/19 N47/19
 Delete Depth 9.1 meters 37°21'08"N 125°55'41"E
 Add Dangerous wreck [K28] (PA) 37°36'10"N 126°15'59"E
 Depth 7.3 meters 37°21'04"N 125°55'52"E
 (39(896)19 Busan; KOR CH 3416)

95066 14Ed. 1/6/18 LAST NM N44/19 N47/19
 Delete Buoy "D" 37°25'34"N 126°36'02"E
 Buoy "C" 37°25'23"N 126°35'55"E
 Rock which covers and uncovers 37°02'33"N 126°27'16"E
 Depth 1.6 meters 37°16'51"N 126°30'53"E
 Substitute Depth 9.7 meters for 8 meters 37°29'08"N 126°35'37"E
 Add Light Fl R 7s 31m 12M 37°25'35"N 126°35'25"E
 Depth 0.2 meter 37°16'45"N 126°30'59"E
 (38(683)17, 25(452), 38(762)18, 23(479)19 Busan; KOR CH 3466)

SECTION I

NM 47/19

95067	17Ed. 5/12/18	LAST NM N44/19	N47/19
Delete	Depth 6 meters	37°27'56.7"N 126°35'51.3"E	
	Buoy "C"	37°25'23.3"N 126°35'54.3"E	
Substitute	Depth 9.7 meters for 8.1 meters	37°29'08.0"N 126°35'37.2"E	
	Note: Depth contour (10-meter), blue tint and bottom characteristic "R" remains		
	Depth 10.3 meters for depth 9.4 meters and enclosing depth contour (10-meter)	37°29'02.2"N 126°35'29.0"E	
	Note: Bottom characteristic "R" remains		
	Depth 6.9 meters for 8.9 meters	37°28'42.7"N 126°35'49.2"E	
	Depth 1.2 meters for 1.8 meters	37°28'00.4"N 126°35'57.4"E	
Change	Buoy "D" to "No 53" G, pillar, can topmark, Fl(4) G 8s	37°25'34.4"N 126°36'01.7"E	
Add	Depth 5.3 meters	37°27'56.3"N 126°35'53.8"E	
	Buoy "No 51" G, pillar, can topmark, Fl(4) G 8s	37°25'43.8"N 126°35'46.2"E	
	Light Fl R 7s 31m 12M	37°25'34.5"N 126°35'24.6"E	
	(25(452), 38(762), 41(831)18, 23(479, 585)19 Busan; KOR CH 3614)		
95068	4Ed. 4/8/17	LAST NM N45/19	N47/19
Delete	Buoy "B"	36°59'07.5"N 126°48'54.5"E	
	Buoy "A"	36°59'17.0"N 126°48'23.5"E	
	(See N43/19)		
	(40(916)19 Busan)		
95080	15Ed. 12/8/12	LAST NM N44/19	N47/19
Delete	Light	34°46.6'N 126°17.3'E	
	(43(691)12 Busan)		
95084	8Ed. 1/21/12	LAST NM N44/19	N47/19
Delete	Light	34°46'39"N 126°17'23"E	
	Buoy	34°46'11"N 126°15'57"E	
Change	Characteristic of buoy "No 28" to Fl(2) R 6s	34°45'48"N 126°17'0"E	
Add	Depth 12 meters	34°45'30"N 126°16'11"E	
	Buoy RW, pillar, ball topmark, Mo(A) R 8s [Q130.5]	34°46'11"N 126°15'57"E	
	(43(691)12, 44(839)16, 17(291), 24(434)18 Busan; KOR CH 3135)		
95085	6Ed. 3/3/18	LAST NM N46/19	N47/19
Delete	AIS from buoy	34°46'11.1"N 126°15'57.1"E	
Add	Position circle	34°46'54.9"N 126°22'08.5"E	
	Position circle	34°46'32.0"N 126°21'43.5"E	
	Dashed line (marine cable car) [D25] between above position circles (2)		
	Depth 12 meters	34°45'30.1"N 126°16'10.5"E	
	(17(291), 24(434)18, 18(365)19 Busan)		
95086	6Ed. 7/30/11	LAST NM N34/19	N47/19
Delete	Light	34°46'38.9"N 126°17'23.4"E	
	Purple dashed line (ferry route) between	34°47'00.0"N 126°23'09.1"E	
		34°46'13.3"N 126°23'19.8"E	
	Purple dashed line (ferry route) between	34°48'16.0"N 126°21'52.9"E	
		34°48'50.7"N 126°21'27.0"E	
	(See N28/19)		
	(Plan)		
Delete	Purple dashed line (ferry route) between	34°46'13.8"N 126°23'19.9"E	
		34°46'59.9"N 126°23'09.2"E	
	(43(691)12, 11(186), 34(747)19 Busan)		
95100	13Ed. 10/20/07	LAST NM 46/19	47/19
Delete	Light	34°46.6'N 126°17.3'E	
	(43(691)12 Busan)		
95136	2Ed. 1/6/18	LAST NM N46/19	N47/19
Delete	AIS from buoy "No 8"	34°50'00.0"N 127°48'16.2"E	
	AIS from buoy "No 7"	34°50'00.0"N 127°47'53.1"E	
	Buoy	34°53'07.6"N 127°40'37.7"E	
Add	Buoy Y, pillar, "X" topmark, Fl Y 4s [Q130.6]	34°53'05.2"N 127°40'40.3"E	
	(26(469), 51(1134)18 Busan)		
95138	10Ed. 9/2/17	LAST NM N46/19	N47/19
Delete	AIS from buoy "B"	34°41'45.0"N 127°53'12.1"E	
	AIS from buoy "No 8"	34°50'00.0"N 127°48'16.2"E	
	AIS from buoy "No 7"	34°50'00.0"N 127°47'53.1"E	
	Bottom characteristic "M"	34°44'09.0"N 127°50'03.2"E	
	Depth 27 meters	34°44'06.1"N 127°49'59.3"E	
	Vertical clearance "28" of overhead power cable	34°44'05.0"N 127°45'01.8"E	
Add	Depth 9.8 meters Fish haven [K46.2]	34°43'25.0"N 127°53'54.0"E	
	Depth 9.9 meters Fish haven [K46.2]	34°44'46.7"N 127°50'37.6"E	
	Light Fl R 5s 11m 8M	34°46'37.6"N 127°50'54.8"E	
	Light Fl G 5s 11m 8M	34°46'39.0"N 127°50'51.8"E	
	Buoy W Bu W, pillar, Fl W 6s	34°46'19.0"N 127°50'19.0"E	
	Depth 24.5 meters, R [J9.1]	34°44'12.6"N 127°50'04.2"E	
	(15(240), 50(1108, 1113), 51(1134)18, 15(282), 17(344), 36(793)19 Busan; KOR CH 2431)		
95140	17Ed. 5/5/18	LAST NM N44/19	N47/19
Change	Characteristic of Racon to (B)	34°41.7'N 127°53.2'E	
	(KOR CH 2516)		
95141	9Ed. 6/11/11	LAST NM N46/19	N47/19
Delete	Vertical clearance "28" of overhead power cable	34°43'50"N 127°44'58"E	
Substitute	Depth 4.8 meters Obstn [K41] for depth 6.3 meters	34°36'42"N 127°43'15"E	
Add	Double solid line with land tint (bridge) [D22] and vertical clearance 22 meters between	34°44'09"N 127°44'57"E	
		34°44'01"N 127°44'54"E	
	Light Fl 6s 11m 8M	34°42'45"N 127°42'23"E	
	(25(352)12, 44(680)15, 21(418), 36(793)19 Busan)		
95143	13Ed. 1/13/18	LAST NM N46/19	N47/19
Delete	AIS from buoy "B"	34°41'44"N 127°53'12"E	
	AIS from buoy	34°50'00"N 127°48'16"E	
	AIS from buoy	34°50'00"N 127°47'53"E	
	Depth 27 meters	34°44'06"N 127°49'59"E	
Substitute	Depth 25.5 meters for 28 meters	34°40'59"N 128°13'01"E	
	Depth 24.5 meters, R [J9.1] for bottom characteristic "M"	34°44'12"N 127°50'04"E	
Change	Legend to "025° Buoyed"	34°52'54"N 128°05'10"E	
Add	Position circle "Pyl" [D26.2]	34°41'18"N 128°03'00"E	
	Position circle "Pyl" [D26.2]	34°41'48"N 128°03'06"E	
	Dashed line (overhead power cable) [D26.2] with safe vertical clearance 40 meters between above position circles (2)		
	Light Fl W 6s 11m 8M	34°42'45"N 127°42'23"E	
	Light Fl R 5s 8M	34°46'38"N 127°50'55"E	
	Light Fl G 5s 8M	34°46'39"N 127°50'52"E	
	(44(680)15, 50(1108, 1113), 51(1134)18, 31(657), 36(788)19 Busan; 2(277)19 Taunton; KOR CH 2431)		
95144	11Ed. 3/17/18	LAST NM N43/19	N47/19
Substitute	Depth 25.5 meters for 28 meters	34°40'59"N 128°13'01"E	
	(2(277)19 Taunton)		
96951	3Ed. 5/9/19	LAST NM N39/19	N47/19
Substitute	Depth 4.5 meters "Rep (2019)" enclosed by dotted-line circle [I3.2] for depth 6.6 meters	42°38'38.6"N 141°37'29.9"E	
	(28(561)19 Tokyo)		

97029 3Ed. 7/19/86 LAST NM 47/17 47/19
 Delete Light 34°39.0'N 138°57.6'E
 (38(770)19 Tokyo)

97140 17Ed. 6/28/97 LAST NM 39/18 47/19
 Delete Light 34°39.2'N 138°57.3'E
 (38(770)19 Tokyo)

97159 6Ed. 8/3/91 LAST NM 40/19 47/19
 Delete Light 34°39'17"N 138°57'19"E
 (38(770)19 Tokyo)

97166 2Ed. 9/6/08 LAST NM N40/19 N47/19
 Delete Light 34°39'15"N 138°57'22"E
 (38(770)19 Tokyo)

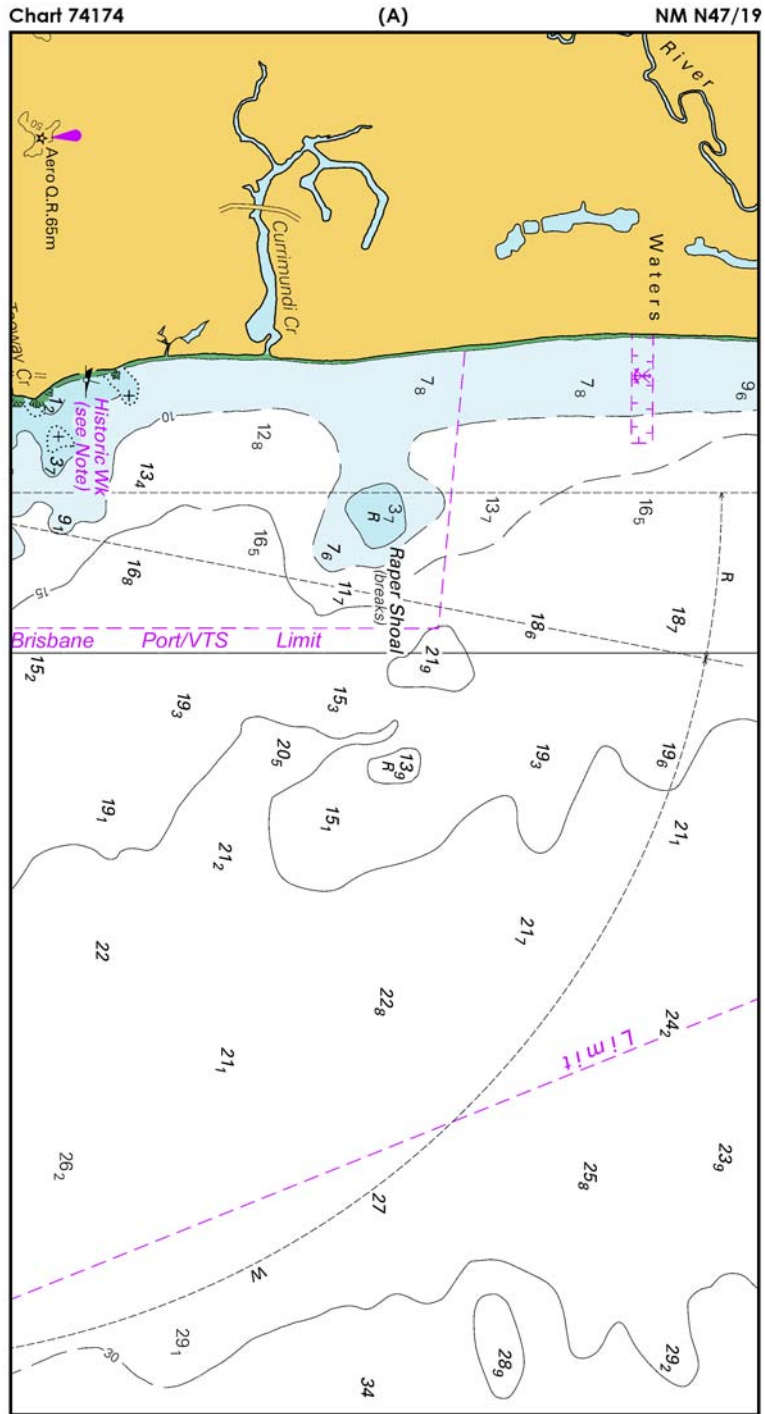
97167 3Ed. 12/8/07 LAST NM 40/19 47/19
 Delete Light and sector limits 34°39'15.0"N 138°57'21.5"E
 (38(770)19 Tokyo)

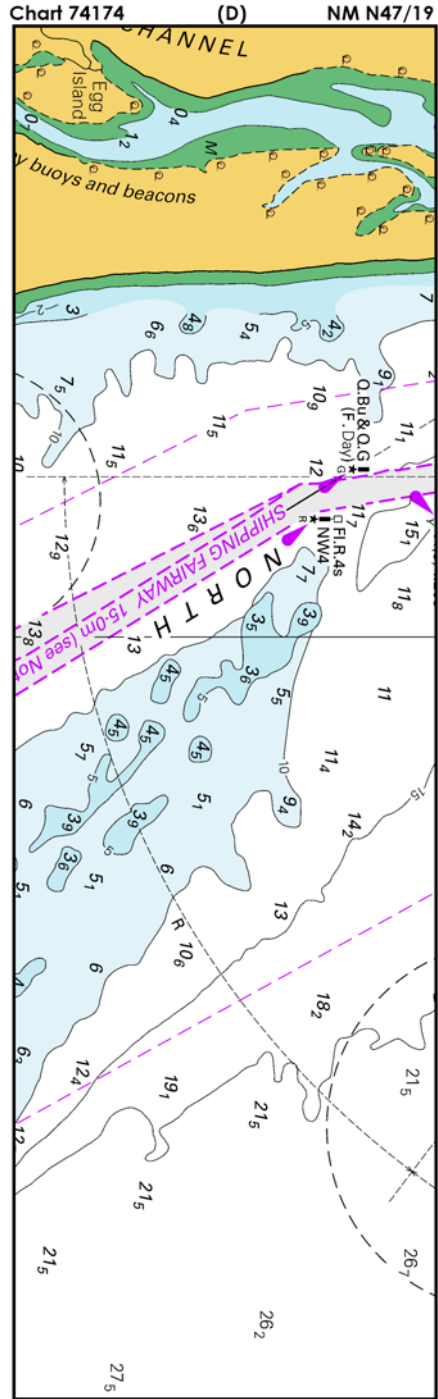
97330 1Ed. 12/5/13 LAST NM N17/19 N47/19
 Add Double solid line with land tint (pontoon) [F16]
 and legend "Unsurveyed" between
 31°32'17.9"N 130°33'02.4"E
 31°32'17.4"N 130°33'03.8"E
 (36(734)19 Tokyo)

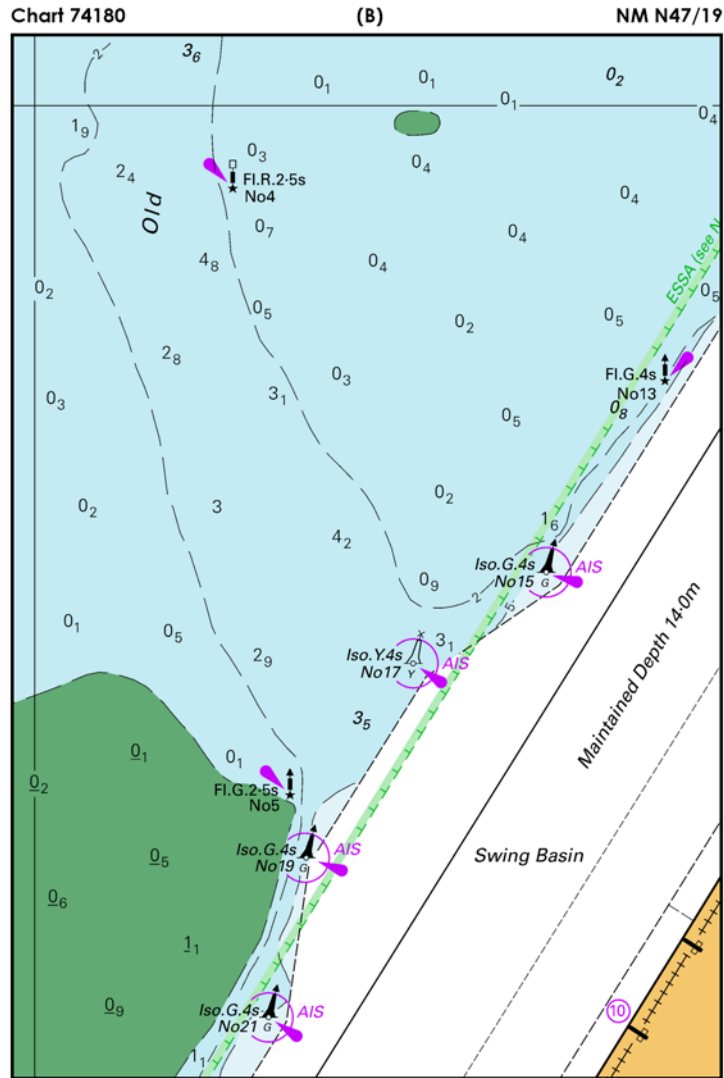
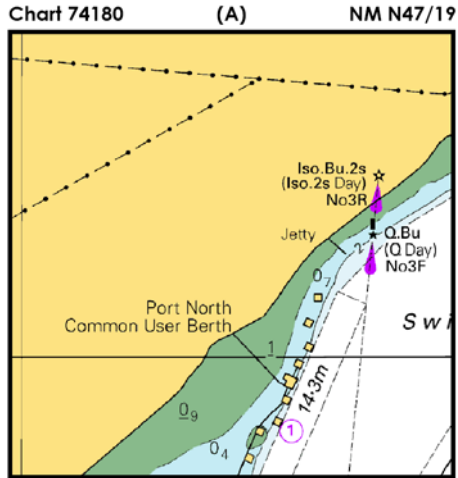
97567 1Ed. 12/5/13 LAST NM N17/19 N47/19
 Add Double solid line with land tint (pontoon) [F16]
 and legend "Unsurveyed" between
 31°32'17.9"N 130°33'02.4"E
 31°32'17.4"N 130°33'03.8"E
 (36(734)19 Tokyo)

★803653 1Ed. 5/27/17 LAST NM N43/19 N47/19
 Change Period of buoy "Waverider PIOOS 196" to 5s
 13°41'00"N 144°48'45"E
 (35/19 CG14)

★805118 4Ed. 7/25/09 CHART CANCELED N47/19
 Replaced by chart 805318
 (NGA)







SECTION I

NM 47/19

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 4/19 THROUGH NM 47/19

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.
11	2	33/19	11355	32	9*,42/19	11522	21	31,44/19	12374	16	11/19*
50	9	6,11/19	11356	42	44/19*	11524	54	9,25,31,42,44,46/19	12375	23	18/19*
51	1	6,11/19	11357	43	10,11,12,13,18,42/19	11525	10	N4,N31,N37/19	12401	13	12,16/19
52	1	36,44/19	11358	58	12,13/19	11528	3	16*,20,31,44,46/19	12402	14	16,30,40,41,42/19
103	5	13,46/19	11360	44	8,13,33/19	11532	23	41/19*	13000	1	N9,N13,N17,N21,N32, N33,N43/19
106	1	15/19	11361	78	6/19	11534	40	41/19*	13003	52	4,9,10,13,15,26,31,32,33, 37,38,43/19
108	9	9,13,33/19	11362	6	N8,N13,N15,N33/19	11536	20	21,31/19	13006	36	9,12,13,26,31,32,43/19
109	5	13/19	11363	46	6,11,12,30/19	11537	40	4,14,22,31,32/19	13009	38	9,26,43/19
120	6	13,33/19	11364	46	46/19	11541	42	11*,21,27,38,43/19	13200	39	9,26,32,43/19
126	39	13/19	11365	25	18/19	11542	20	43/19	13201	12	N9,N13,N26,N32, N43/19
202	2	15/19	11366	16	11,12,13,15,25/19	11543	25	21,27/19	13205	41	31,32/19
302	1	30/19	11367	39	21,41/19	11544	41	21,27/19	13209	28	31,32/19
310	20	30/19	11368	25	21,41,42/19	11545	67	31/19*	13210	40	31/19
411	54	12,31,38,39,44/19	11370	29	11,12,16,25,41/19	11547	40	8,9,21,27,38/19	13213	43	31/19
500	10	13/19	11373	52	15,25,40/19	11550	33	44/19*	13214	30	31/19
501	13	12,39,41/19	11374	38	7,25,40/19	11555	43	4,37/19	13215	21	31,32/19
504	4	6,9,11/19	11376	58	7,8,21,32,40/19	12200	53	4,9,10,33,34,37,38/19	13216	1	N31/19
507	2	36/19	11377	11	8,21,32/19	12201	29	N4,N9,N10,N15,N33, N34,N37,N38/19	13217	17	32/19
509	4	8,13/19	11378	39	46/19*	12204	39	7/19	13218	44	7,32,40,46/19
511	4	13/19	11380	4	21/19	12205	35	7/19	13221	63	26*,32,42/19
520	127	9,11,44/19	11382	42	33/19	12207	25	37/19*	13223	44	32,42/19
522	87	36/19	11383	55	8,42/19	12208	17	15/19	13224	41	26*,32,40,42/19
523	8	9,11/19	11384	38	8/19	12210	45	10/19*	13225	35	40,42/19
524	12	36/19	11385	28	42,44/19	12214	51	14*,38/19	13226	8	42/19
525	3	36/19	11388	18	42/19	12221	84	25*,38/19	13227	15	42/19
526	10	6,11,36/19	11389	36	22*,28,36/19	12222	56	23*,33,38/19	13228	13	40/19
530	35	6,9,11,12,13,41/19	11390	26	6,7,18,33/19	12224	28	9/19	13229	34	7,10,32,44,46/19
540	19	6,9,44/19	11391	26	6,7,18,33,36/19	12225	62	37/19*	13230	53	11*,32,46/19
541	2	9,44/19	11392	9	33/19	12226	19	32/19	13232	5	7/19
550	7	19/19	11393	23	6,28/19	12230	67	46/19	13233	19	7,32,46/19
632	8	19/19	11400	37	19*,22,46/19	12231	32	28/19*	13235	7	32,44/19
704	1	45/19	11401	33	26*,42/19	12233	39	10/19	13236	32	7,10/19
705	3	46/19	11402	23	42/19	12245	70	10*,33,38/19	13237	44	37/19*
706	4	12/19	11404	25	11/19	12248	45	15,25,27,38/19	13238	16	7/19
707	2	12/19	11405	31	11/19	12251	24	15,27/19	13241	18	7/19
1113A	32	9,26,32,38,46/19	11409	31	38/19	12252	25	7/19	13242	18	7/19
1114A	36	7,22,26,32,38,46/19	11411	22	44/19*	12254	51	44/19*	13246	40	9/19
1115A	44	8,13,33/19	11412	50	44/19*	12256	19	33,38/19	13253	20	9/19
1116A	80	4,6,8,10,11,12,13,16,18, 26,28,33,38,42,46,47/19	11415	14	41/19*	12263	58	33/19	13260	43	9,12,26,43/19
1117A	44	4,12,13,33,42,46/19	11416	14	22*,29,42,46/19	12264	34	27*,46/19	13263	9	N9,N12,N13,N21,N26, N43/19
4148	3	9,26,32,46/19	11420	32	9,26,32,38,46/19	12266	34	33/19*	13267	37	39/19*
4149	1	40/19	11423	9	N26,N32,N38,N46/19	12270	40	33/19*	13270	66	9,26,40/19
11004	9	4,12,13/19	11424	21	19*,26/19	12273	60	8,26,33,42/19	13272	55	44/19*
11006	34	32,33,38/19	11425	41	29*,42/19	12274	38	9*,42/19	13274	30	26,31,43,46/19
11009	39	4,5,31,33,37/19	11426	40	18/19*	12277	37	37/19*	13275	32	13,26,31/19
11013	48	32,38,39,40,44/19	11434	30	12*,25,26,32,38/19	12278	79	8,26,33/19	13276	23	13,31,40/19
11299	1	N30/19	11435	15	N9,N13,N25,N26,N32, N38/19	12280	11	8,9,15,26,33,38,46/19	13278	28	13,43,46/19
11300	44	4,12,13,33,42,46/19	11439	29	26/19*	12281	57	11,26/19	13279	34	43/19
11301	26	16/19	11441	42	11/19	12282	37	33/19	13282	12	4/19
11302	34	16/19	11442	37	11/19	12284	17	11/19	13283	23	33/19
11305	2	N6/19	11446	33	11/19	12285	43	19*,32/19	13285	12	33/19
11307	38	30/19	11450	11	38/19	12286	33	32/19	13286	34	16/19*
11308	26	6/19	11451	36	46/19	12300	49	9,31,32/19	13287	13	27/19
11309	43	25*,30,32/19	11459	2	11/19	12301	23	N9,N14,N31,N32/19	13290	41	44/19*
11311	25	30,32,42/19	11460	44	5,33/19	12304	49	46/19	13292	42	8/19
11312	7	46/19*	11461	5	38/19	12311	48	10*,38,39,47/19	13293	36	43/19
11313	24	4,25,30,33/19	11465	40	46/19	12312	58	8,31,34,47/19	13295	12	43/19
11314	26	8/19	11467	44	46/19	12313	53	34/19	13302	25	18*,40/19
11316	43	31/19*	11468	45	46/19	12314	34	5/19*	13305	31	38/19
11317	33	21/19	11472	37	5/19*	12316	37	38/19	13308	13	38/19
11318	2	N6,N7,N30/19	11476	24	27/19*	12325	6	4/19	13309	30	14,31,39,40/19
11320	1	N30/19	11477	6	N5,N33/19	12326	53	7,9,13,16/19	13312	24	4,9/19
11323	66	9*,32,46/19	11479	6	N5,N33,N40/19	12327	108	7,12,15,16,22,25,38,39, 40,41,42/19	13313	22	9/19
11324	40	6,7,32/19	11480	41	5,9,31,33/19	12331	33	15,22,38,40,41/19	13318	19	9/19
11325	41	32/19	11481	10	38/19	12333	37	13,22,38/19	13323	9	9/19
11326	41	21*,42,46/19	11484	25	9/19*	12334	73	5*,25/19	13325	16	9,12,26/19
11327	38	8,42,46/19	11488	29	9/19	12335	46	11*,25/19	13326	14	9/19
11328	29	32/19	11489	41	46/19*	12338	11	13/19	13392	3	26/19
11329	41	9*,32/19	11490	22	20/19*	12339	47	38/19	13394	5	26,27,45/19
11330	24	35*,42,46/19	11491	40	39/19*	12342	24	38/19	13396	7	26,27,45/19
11331	22	7/19	11492	21	46/19	12350	62	11*,13,39,41,42/19	14001		N33,N46/19
11332	34	35*,42,46/19	11493	10	N46/19	12352	35	8,16/19	14003	6	9,13,15,17,21,32,33, 38/19
11339	5	46/19*	11494	9	N46/19	12353	19	16/19	14013		N26,N33,N46/19
11340	80	4,6,8,10,11,12,13,16,18, 26,28,33,38,42,46,47/19	11496	12	N5,N9,N31,N33/19	12354	47	5*,15,31,40/19	14019		N9,N12,N21,N26,N27, N45/19
11341	45	12*,26,28,42,47/19	11503	47	10*,32,46/19	12358	23	18*,31/19	14036	1	N26,N28,N29,N30,N33, N46/19
11342	57	34/19*	11505	5	9,38/19	12363	42	7,16,37/19	14047	1	N30/19
11344	41	10,11,12,13/19	11506	46	21/19	12364	40	7,16,31,34,37,40/19	14048	2	N30,N39/19
11346	5	12,18/19	11509	32	9/19	12365	28	7/19	14049		N26,N28,N29,N30, N33/19
11347	41	46/19*	11512	65	9,38/19	12366	30	40/19	14050	1	N30/19
11349	47	11,12,16/19	11513	29	38/19*	12367	25	7,16,34/19			
11350	28	42/19	11516	32	38/19	12369	27	37,40/19			
11351	44	44/19*	11517	18	25,38/19	12370	21	40/19			
11352	42	12,16,18/19	11518	38	25,31,46/19	12371	25	4,31/19			
11353	9	5/19*	11520	45	4,31,37/19	12372	38	22*,31/19			
11354	28	16,42/19	11521	32	20,31,44,46/19	12373	17	19/19*			

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 4/19 THROUGH NM 47/19

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
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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.	Chart No.	Ed. No.	Notice to Mariners No.
14193	1	N21,N47/19	17524		N34,N39/19	18772	48	27,36/19	24000	39	15/19
14195	2	N21/19	17525	1	N34,N39/19	18773	43	27/19	24004	36	36/19
14196		N26/19	18000	8	25,32,41,46/19	19002	12	N28,N44/19	24008	42	36/19
14197		N26/19	18002	9	N12,N32,N41,N46/19	19004	39	28,44/19	24012	40	13,15,20,47/19
14207	33	15/19	18003	20	7,12/19	19007	18	6,9,11,44/19	24016	53	13,15,20/19
14209	2	N15,N17,N18,N19, N22/19	18005	6	N41/19	19008	5	9,11,44/19	24028	6	11,15,19/19
14211	2	N17,N18,N22/19	18007	33	12/19	19010	20	9,28,44/19	24050	12	N11,N12,N19/19
14212	2	N17,N18,N19,N21, N26/19	18008	9	N12/19	19013	19	9,44/19	24052	17	N13,N17,N26,N33,N34, N35,N39,N40,N43,N46, N47/19
14213	2	N20,N21,N22/19	18009	4	N41/19	19016	12	6/19	24053	17	N13,N33,N34,N35, N39/19
14215	1	N20,N26,N28/19	18010	22	39/19	19320	17	28,44/19	24055	7	N11,N12,N13,N17, N47/19
14216	2	N26,N28,N35,N36,N37, N39,N40/19	18020	39	12,25,32,41,46/19	19327	11	28/19	24057	6	N6,N11,N12,N15,N16, N19,N20,N33/19
14220		N26/19	18022	36	12,25,32,35,41,46/19	19339	3	N44/19	24080	6	N15/19
14334	1	N26/19	18400	51	34*,44/19	19340	27	44/19	24091	7	N15/19
14348	1	N26/19	18421	53	12*,20,44/19	19342	11	44,46/19	24100	6	N15/19
14359	1	N26,N28,N29,N39/19	18426	2	N7,N9/19	19347	19	44,46/19	24150	28	N36/19
14756	1	N21,N47/19	18427	25	44/19*	19351	11	44/19	24160	22	N36/19
14757	1	N35,N47/19	18428	10	44/19	19357	25	44,46/19	24161	13	N15,N20,N28,N33,N36, N43/19
14758	1	N15,N21/19	18429	11	44/19	19359	12	44/19	24162	11	N15,N20,N28,N33,N36, N43,N47/19
14759	2	N13/19	18431	9	16,20/19	19360	1	N44,N46/19	24200	14	47/19
14760		N26/19	18432	7	16,20,21,41/19	19362	14	44,46/19	24202	8	N15,N40/19
14770	17	15,21/19	18433	6	41/19	19366	38	44/19	24220	14	13,15,20/19
14774	17	13/19	18434	7	44/19	19367	41	24/19	24222	3	13,20/19
14775	2	N15,N21/19	18435	2	N7,N34/19	19369	7	24,44/19	24223	33	20/19
14776	1	N13/19	18436	2	N31/19	19379	3	N44/19	24240	6	N13,N33,N47/19
14781	21	9/19*	18437	2	N7/19	19380	15	44/19	24250	6	N13,N33,N47/19
14783	21	9/19*	18441	48	10/19	19381	9	44/19	24251	24	N9,N12,N13,N47/19
14785	18	8/19*	18442	1	N9,N11,N16,N21, N35/19	19387	10	N44/19	24252	6	N12,N13,N16,N20,N33, N40,N47/19
14800	10	26/19	18444	17	38,43/19	21014	72	21,43/19	24370	1	15/19
14802	31	13,26/19	18446	18	10,38/19	21017	50	43/19	24375	3	N36/19
14830	34	10/19*	18447	30	38/19	21021	4	N14,N16,N46/19	24380	2	5,11,15,19/19
14833	27	11/19	18448	36	33/19	21026	47	44/19	24388	2	5,11,14,15,19/19
14836	28	24/19	18448	36	33/19	21120	27	43/19	24404	9	13,15,19,33/19
14837	29	24/19	18453	27	38/19	21126	2	N21,N43/19	24405	12	N15,N19,N33/19
14839	38	24/19	18456	21	33,38/19	21140	1	14,16,32,36,46/19	24465	7	N42/19
14844	34	26/19*	18460	14	7,10/19	21301	14	21/19	24468	1	38/19**
14846	16	24/19	18461	1	N7,N16,N20,N21, N37/19	21401	21	14/19	24480	2	N15,N46/19
14847	31	24/19	18462	1	N11,N46/19	21524	4	36,38/19	24482	2	N38/19
14848	60	25,28,33,38,41/19	18464	25	26/19	21560	33	28/19	24485	1	38/19**
14850	56	36/19	18464	25	26/19	21562	14	28/19	24504	7	15,46/19
14852	48	28/19	18465	39	11/19	21580	40	28/19	24507	1	15/19
14853	19	24,25,28,33,38/19	18466	2	N11,N46/19	21602	3	N46/19*	24508	4	15/19
14854	16	24,28,33/19	18467	2	N37,N41/19	21604	27	N46/19*	24509	3	15/19
14860	37	46/19	18469	1	N8,N18,N42/19	21606	1	N46/19*	24510	3	15/19
14864	28	24/19	18471	11	26/19	22008	35	36,38/19	24511	2	46/19
14865	17	28/19	18473	9	10/19	22050	4	46/19	24514	1	46/19**
14880	34	46/19*	18480	32	7,10,12/19	22051	19	46/19	25017	6	N40/19
14881	35	18/19*	18500	31	38/19*	22052	7	19,34,46/19	25018	9	N40/19
14904	28	22/19*	18504	66	33/19	22054	1	46/19	25040	2	15,19,33/19
14905	33	24/19	18520	28	38/19*	22055	1	46/19	25521	35	27,28/19
14911	22	24/19	18521	77	14*,29,30/19	22080	3	36/19	25528	5	19,28,43,47/19
14924	29	25,26/19	18523	58	28/19	22100	4	N36/19	25550	2	13,15/19
14926	14	25/19*	18524	38	28,44,46/19	22101	20	36/19	25570	4	N13,N15/19
14935	22	17/19	18525	38	4,25,28,44/19	22130	2	40/19	25575	5	N44/19*
14937	25	17/19	18526	60	4,28,44/19	22134	1	N11,N34,N39,N40/19	25600	47	14,40/19
14938	25	17/19	18531	24	28,44/19	22140	2	40/19	25608	22	11/19
14966	29	19/19*	18532	21	12/19	22160	2	36,38/19	25609	5	14,40,47/19
14971	22	25/19	18537	71	14/19	22170	3	36,38,47/19	25611	22	14,47/19
14972	27	25/19	18622	56	43/19	22172	9	N24,N34,N36,N37/19	25640	45	40/19
16016	22	14/19	18643	18	32/19	22173	37	N24,N34,N36,N38, N39/19	25641	29	14/19
16190	2	5/19*	18645	28	33/19	22181	18	N33,N34,N39,N40,N46, N47/19	25644	16	44/19*
16204	8	5/19*	18649	68	10,14,15,21,33/19	22233	30	N28,N46/19	25649	20	47/19
16594	14	4/19	18650	58	15,21/19	22259	6	N46/19	25661	12	5/19
16660	31	5/19	18651	45	33/19	22263	3	N13,N46/19	25668	21	40/19
16663	10	5/19	18653	12	10,14,15/19	22264	4	N46/19	25669	1	40/19
16665	11	5/19	18654	45	25/19	22275	3	46/19	25673	17	5/19
16700	32	4/19	18655	59	25/19	22275	3	46/19	25687	13	5/19
16709	25	4/19	18656	56	8,25,36/19	22290	4	46/19	25800	3	15/19
17003	4	11,12/19	18657	19	8,25,36/19	22293	15	46/19	25842	10	15/19
17007	1	N11,N14,N44/19	18658	31	8,36/19	22294	17	N13,N39,N43/19	25845	10	15/19
17010	1	N7,N12,N47/19	18660	3	36/19	22395	2	30/19	26030	6	34/19
17400	18	14,44/19	18661	30	36/19	22398	1	N14/19	26060	1	20,22,38/19
17411	1	N11,N14,N15,N44/19	18662	22	36/19	22399	1	N14/19	26066	14	20,22,38/19
17420	29	11,14,15,30/19	18663	6	36/19	22401	5	N14/19	26068	12	38/19
17434	14	30/19	18666	1	36/19	22405	7	N38/19	26070	2	38/19
17435	17	30/19	18700	23	32,41/19	22409	5	N13,N14,N47/19	26181	21	28/19
17454	1	N14/19	18703	26	11/19	22410	33	N16/19	26184	5	28/19
17460		N14/19	18704	13	11/19	22419	1	N19,N45,N46/19	26186	19	28/19
17496	1	N9,N18,N31,N47/19	18720	34	35,41/19	22420	3	N30,N45/19	26224	32	20,36,38/19
17498	1	N7,N15,N19,N22,N34, N35/19	18721	12	35/19	22422	1	N19,N46/19	26280	7	44/19
17499	1	N7,N11,N19,N34,N35, N37,N46/19	18740	45	12,20,32,36,41/19	22426	1	N18,N19,N36,N38,N45, N46/19			
17514	1	N12/19	18741	21	N32,N36/19	22428	1	N18/19			
17520	2	N15,N19,N35,N46/19	18746	40	12,20/19	22431	1	N18,N19,N36/19			
			18760	9	N12,N32,N35,N41, N46/19	22432	1	N42/19			
			18765	17	32,36/19	22483	1	N16,N43/19			
			18768	8	N29*,N32,N36,N46/19	23030	6	11,19/19			

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 4/19 THROUGH NM 47/19

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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.	Chart No.	Ed. No.	Notice to Mariners No.
51223	3	N13,N20,N25/19	53087	10	N6,N13,N26,N40,N42,N44,N45,N46,N47/19	54340	8	12,16,20,21,24,26,27,29,33,38/19	55139	6	7,40/19
51224	1	7,18/19	53090	2	N44/19	54343	10	12,20,23,24,26,27,29,33,34/19	55140	3	N8,N21,N36/19
51225	3	21,22,25,28,30,39,40/19	53093	4	N13,N26/19	54344	6	12,16,20,21,24,26,27,29,33,38/19	55160	2	30,32/19
51240	2	7/19	53100	18	N11,N26,N31,N32,N34,N40,N42,N44,N47/19	54346	9	20,23,24,27,32,34,40,41/19	55161	2	N19,N30,N32,N34/19
51263	23	38/19	53101	8	N31,N32,N34,N40,N41/19	54359	3	N34,N37/19	55170	2	7/19
51280	8	7/19	53103	1	N7,N31,N32,N34,N40,N42/19	54360	12	12,27,32/19	56011	1	15/19
51300	4	25,28,30,39,40/19	53104	3	N31,N34,N40/19	54361	11	N5,N33,N34,N37/19	56031	1	10,12,13,15,18,19,21,22,23,25,30,35,40/19
51341	24	N25,N26,N27/19	53105	21	N11,N30,N47/19	54363	3	12,27,32/19	56042	7	N6,N30/19
51345	1	N25,N26,N27,N40/19	53106	8	N11,N30,N47/19	54368	4	12,27,32,33/19	56043	6	18,21,22,27,30,34/19
51346	1	N31,N42/19	53107	18	N7,N42/19	54369	5	N12/19	56044	3	20/19
51347	2	N30,N31,N39,N42/19	53110	2	N32/19	54372	3	N32,N33/19	56045	1	5,6,20,21/19
51473	1	N37,N41/19	53120	15	N32/19	54380	7	N12,N17,N33,N35,N40/19	56060	9	6,15,18,20,21,22,30,40/19
51480	4	38/19	53122	4	N31,N34,N40/19	54382	9	12,16,17,25,35/19	56063	3	N44/19*
51559	4	22,25/19	53130	1	32,47/19	54386	10	12,16,17,30/19	56064	7	N10,N30,N40/19
51560	11	8,38/19	53141	6	N11,N12,N34,N44/19	54387	8	N12,N16,N30,N35,N38,N41/19	56065	4	N6,N13,N15,N18,N21,N22,N30/19
51561	11	38/19	53160	15	N11,N44/19	54388	1	N40,N41/19	56067	1	N22/19
51562	10	41,44/19	53179	1	N6/19	54399	1	N12/19	56081	22	N40/19
51601	10	N21/19*	53180	11	N44/19	54400	8	12,19,25,30,34/19	56100	14	10,13,15,18,19,21,22,23,25,30,33,34,35,40,43/19
51605	1	N8,N22/19	53181	4	43/19	54403	4	12,33,35/19	56101	7	13,25,35,43,44/19
51622	1	N43/19	53184	5	31,34/19	54404	4	4,12,19,25,30,33,34/19	56104	4	N10,N21,N33,N40,N44/19
51641	6	N25,N27,N38/19	53200	8	N27/19	54407	4	4,12,19,25,30,33,34/19	56120	13	15,18,21,25,34/19
52031	2	40/19	53201	7	N34,N36,N44/19	54408	4	12,19,25,33/19	56221	8	8,22,23/19
52036	1	N21*,N45/19	53203	12	N6,N26,N27,N35,N39,N40/19	54409	2	5/19	56222	8	N19,N22,N23/19
52039	6	N29*,N39,N40,N45,N46/19	53204	11	N26,N27,N35,N40/19	54413	3	12,19,25/19	57000	10	25,27/19
52040	19	N39,N40,N41,N46/19	53205	4	N6,N26,N39,N44/19	54416	6	N34/19	57006	5	27/19
52042	7	N34/19*	53206	8	N6,N26,N34,N44/19	54418	4	12,25,33,34/19	57035	10	21/19
52043	23	N6,N23,N26,N29,N30,N33,N38,N39,N46/19	53207	2	N26,N39/19	54421	6	4,22/19	57036	8	N23,N25/19
52045	8	N33,N38,N39,N46/19	53212	4	N36,N44/19	54422	4	40/19	57063	6	N23,N24,N25,N27/19
52046	22	N26/19	53220	8	N27/19	54424	2	N4/19	57064	4	N23,N24,N25,N26,N27,N32/19
52048	4	N6,N39,N40,N46/19	53242	12	13,34,35,39,42,44/19	54430	1	40/19	57081	4	N13,N25/19
52051	2	N23/19	53244	3	N34,N44/19	54440	4	6,42/19	57082	4	13,25/19
52053	1	N23,N26/19	53262	8	12,19,44/19	54441	6	30,40/19	57100	10	27,28,30,36,37/19
52060	17	N26/19	53268	4	12,19,30/19	54462	5	7,8,38/19	57101	18	27,36,37/19
52061	3	N12,N26,N31,N39/19	53284	4	32,47/19	54463	6	N41,N42/19	57102	3	N28,N36,N37/19
52062	8	N26,N39/19	53285	4	32/19	54464	5	38/19	57103	3	N8/19
52079	1	N12/19	53287	7	N46/19*	54466	1	N33,N42/19	57120	13	27,30/19
52080	15	N11,N12,N15,N28,N29,N31/19	54041	7	13/19	54480	9	N5,N6,N16,N17,N19,N21,N27,N30,N34,N35/19	57160	11	N14,N46/19
52082	4	N12,N15,N23,N28,N29,N31/19	54061	13	N30,N34,N47/19	54481	10	N5,N16,N17,N19,N25,N27,N35/19	57161	5	N15,N22,N25,N35,N38/19
52083	2	25,28,29,44,46/19	54082	13	N11,N12,N34,N40/19	54482	1	N13/19	57162	7	14,15,19,21,22,25,35,40,46/19
52084	3	N12,N23,N28,N29/19	54083	5	N12,N34/19	55001	4	7,10,19,25,27,30,33,37,40/19	57165	1	14/19
52085	4	N12/19	54090	3	13,26,27,30/19	55021	1	N46/19*	57169	1	19,21,22/19
52088	3	15,29/19	54095	3	6/19	55022	1	N46/19*	57170	1	40,46/19
52117	1	29,30,47/19	54105	3	6/19	55023	1	N46/19*	57201	6	N43/19
52118	1	30/19	54115	3	6,7,9,15,27,40,41,46/19	55024	1	N46/19*	57240	8	18/19
52119	1	29/19	54125	4	5,7,9,12,13,15,21,27,39,40,41,44,45,46/19	55040	4	12,19,25,30,37,40,43/19	57241	13	N8,N22/19
52120	13	N25,N27,N29,N39/19	54131	3	15,21,26,44,46/19	55041	7	46/19**	57260	3	12/19
52121	10	N29,N39/19	54140	8	9,40,41,46/19	55042	2	N8,N25,N36,N37/19	57261	2	12,43/19
52122	17	N6,N7,N8,N25,N27,N38,N39/19	54141	5	N9,N27,N34/19	55043	2	40/19	57262	4	12,23,43/19
52125	2	N8,N25,N27,N39/19	54151	1	12,13,16,19,25,27,29,40/19	55044	5	25,40,41,42,46/19	57381	13	N21,N27,N38/19
52126	2	N6,N7,N8,N25,N27,N38,N39/19	54168	1	40,41,42,45,46/19	55045	3	N12/19	57460	5	21/19
52140	7	N12,N15,N26/19	54169	3	15,39,40,41,44,45,46/19	55046	5	N25,N36,N37,N38,N40,N41,N46,N47/19	57483	12	N19,N22/19
52143	9	N12,N15,N26/19	54180	7	5,7,12,13,15,27,40,41,44,45/19	55047	9	N25,N37,N40/19	61015	8	22/19
52144	6	N15,N26/19	54181	7	12,16/19	55048	13	N36,N37/19	61050	5	8/19
52145	1	N26,N39/19	54200	4	34/19	55049	7	N4,N11,N16,N19,N25,N30,N34/19	61060	7	N8/19
52147	1	N12,N23,N30/19	54201	6	34/19	55060	8	N21,N28,N40/19	61110	4	N45/19
52160	7	8/19	54220	5	12,34/19	55061	1	18/19	61111	14	N14,N27,N36,N45/19
52180	14	15,23,43,44,47/19	54222	4	30/19	55062	6	N6,N18/19	61112	12	N27/19
52183	10	N46/19	54224	3	33/19	55063	2	N19,N42,N45,N47/19	61190	4	8/19
52184	5	N46,N47/19	54266	2	30,40,44/19	55064	4	N19,N37/19	61192	1	N8,N27,N38/19
52186	4	N5,N15,N21,N23,N30/19	54267	1	30,40,44/19	55081	1	N17*,N47/19	61210	6	22,27/19
52200	8	19,43,47/19	54279	4	12,13,26,27,40,45/19	55082	11	N29*,N47/19	61211	8	N27/19
52202	7	47/19	54280	11	40/19	55085	9	5,9,10,47/19	61212	4	N27/19
52240	10	N38,N39,N45/19	54281	6	12,13/19	55100	8	5,6,8,17,19,22,27,36,37,46,47/19	61220	5	22/19
52243	12	N27,N38,N39/19	54287	7	29,30,33/19	55103	3	N8,N15,N18,N21,N25,N27,N35,N36,N38,N39,N44,N46/19	61221	1	N22/19
53011	3	15,44/19	54288	5	33/19	55104	3	N18,N21,N27,N36,N38,N39,N44,N46/19	61538	1	27,40/19
53031	2	25,26,31,40/19	54289	9	N29,N30,N31,N33,N34/19	55105	7	7,8,18,21,22,25,27,30,36/19	61541	9	N21/19
53060	15	13,21,26,30,40/19	54300	12	12/19	55110	2	7,17,19,37/19	61542	8	N28,N33/19
53061	11	N5,N6,N12,N21,N26,N39,N40/19	54314	2	25/19	55120	2	6,13,28,40/19	61550	2	21,43/19
53062	14	N5,N21,N26/19	54318	3	11,12/19	55130	2	5,9,10,27,47/19	61581	6	N5,N6,N14,N21,N22/19
53081	10	N6,N12,N13,N21,N26,N30/19	54320	4	16,21,25,33,38/19	55138	5	32,33/19	61582	4	6,21,22,46/19
53082	15	N20,N22,N26,N30,N46/19	54322	8	11,12,25,29/19				61591	5	N27/19
53084	7	N13,N26,N40,N42,N44,N45,N46,N47/19	54329	4	16/19				61592	6	N27/19
53085	7	N9,N26,N44,N46/19	54335	3	33,38/19				61610	8	N28/19
53086	9	N13,N26,N40,N42,N45,N46,N47/19							61611	12	46,47/19
									61612	5	46,47/19
									62000	21	5,46/19
									62001	5	5,43,45,46,47/19

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62028	16	5,18/19	62480	4	44/19*	71285	4	42/19	81059	2	N35*,N44/19
62032	18	46/19*	62481	5	N32/19*	71295	3	30,40,42,44/19	81060	2	44/19
62033	5	N46/19*	62482	1	N32/19*	71305	3	N15/19	81067	9	44/19
62050	7	N44/19	62490	4	45*,47/19	71320	2	N13,N43/19	81711	7	31/19
62090	8	N5,N46/19	62498	5	N32/19**	71325	9	N13/19	82374	9	37/19
62092	8	N12,N37/19	62499	7	N39/19*	71330	14	N43/19	82377	2	24,37,41/19
62093	9	N12,N37/19	62512	4	N6,N8,N13,N14,N15, N18,N19,N21,N22,N27, N35,N36,N40,N44/19	71331	12	N12,N43/19	82683	4	6,22,46,47/19
62094	1	N46/19				71333	3	N43/19	82689	4	N6,N22,N30,N38, N47/19
62095	5	N12,N37/19				71335	3	N5,N43/19			
62100	8	N5/19	62521	5	N12,N13,N15,N18,N19, N24,N27,N43,N46/19	71430	3	16/19	82690	11	N30/19
62110	10	5/19				71440	2	10,16/19	82694	6	6,22,23,30/19
62120	6	22/19	62531	6	N12,N22,N24,N43, N47/19	72000	8	31,34,47/19	82697	6	30/19
62121	9	14/19				72021	8	31,47/19	83010	6	12/19
62130	2	22/19	62541	4	N7,N8,N18,N21,N23, N25,N27,N38,N46/19	72028	7	31/19	83034	1	12/19
62140	1	47/19				72035	8	31,34,47/19	83039	11	12/19
62162	3	N27,N28,N42,N43/19	62550	4	N12,N22,N24,N43/19	72204	2	N16/19	83059	3	43/19
62171	4	22/19	62552	1	38/19	72223	8	32/19	83484	12	44/19
62172	3	22/19	62553	1	N15,N19/19	72231	9	N31,N32,N34,N40/19	83500	2	21/19*
62195	8	N38/19	62560	5	N46,N47/19	72234	3	N31,N32,N42/19	91020	6	N28/19
62220	9	8,43/19	62570	5	N7,N9,N12,N18,N21, N23,N27,N38,N46/19	73000	9	16/19	91280	8	N28,N43/19
62225	4	N7,N8,N30,N39/19				73004	4	47/19	91289	20	N5/19
62230	4	N27,N28,N42,N43/19	62572	4	N22/19	73082	1	16,47/19	91294	9	N5,N12,N24,N28,N43, N47/19
62241	11	N22/19	62580	4	N22,N27/19	73393	3	N29/19*			
62270	5	47/19	62590	3	35/19**	73580	4	30,47/19			
62285	3	43/19	62591	5	N7,N9,N12,N18,N19, N21,N23,N27,N38, N46/19	73581	4	20,30,34,42,47/19	92006	5	13,24/19
62290	4	5,43/19				73590	6	30,47/19	92025	4	N40/19
62310	2	6,7,27/19	62592	1	8,9,12,13,27/19	74000	6	18/19	92030	4	15,40/19
62313	5	N6,N7,N30,N38/19	62593	1	5,19/19	74002	2	17,34,47/19	92090	2	22,40/19
62314	3	5,35,46/19	63010	14	12,19/19	74005	2	31,34,47/19	92100	3	40/19
62315	1	N6,N27,N28,N30, N38/19	63040	2	46/19	74012	10	32/19	92320	4	5,12,15,40/19
62333	1	N28/19	63041	1	N46/19	74027	9	30/19	92380	4	N5,N12,N22,N40/19
62334	1	N28/19	63053	6	N46/19*	74036	2	N30/19*	92383	8	N12/19
62343	4	5,19,46/19	63102	22	N29/19*	74174	1	N47/19	92385	5	N5,N12,N40/19
62350	3	5,12,19/19	63103	20	N24/19*	74180	3	N47/19	92520	2	10/19
62355	7	5,12,19,22,40/19	63110	5	N42/19	74181	8	46,47/19	93010	6	15,16,40/19
62361	3	N5,N13,N14,N22, N40/19	63111	11	N41,N42/19	74185	1	N46,N47/19	93018	8	16/19
62362	1	37,40/19	63170	4	N47/19	74216	3	N41/19	93020	2	19/19
62366	5	N22/19	63172	5	N11,N45,N47/19	74220	8	31/19	93022	4	19/19
62367	1	N22,N26/19	63220	5	11,12,15,19,30,39,40/19	74237	4	N41/19	93025	5	19,32/19
62377	3	N46/19	63230	7	N19,N30,N39/19	74251	8	17,34,47/19	93030	7	32,43,46/19
62387	3	N38/19	63231	10	N15,N19,N30,N39/19	74258	1	N42,N43,N44/19	93036	12	N32/19
62392	8	22,35,44,46/19	63232	4	12/19	74262	3	N20,N34/19	93042	2	43/19
62393	8	N6,N19,N35,N36, N40/19	63233	17	N15,N19,N30,N39/19	74265	2	16,17,20,34,47/19	93044	2	43/19
62394	11	N6/19	63234	8	12/19	74277	4	N30/19*	93045	2	43/19
62395	4	N6/19	63238	1	N37/19*	74289	5	30,31/19	93047	2	44,46/19
62396	6	N22/19	63270	8	N41/19	74290	12	30,31/19	93048	1	13,24/19
62400	18	N15,N18,N21,N22, N35/19	63271	10	N46/19	74296	4	30,31/19	93049	1	19,44/19
62401	10	N27/19	63291	10	N32/19*	74300	2	N30/19	93050	1	N15,N16,N43/19
62402	12	N15,N19/19	63293	1	N40/19*	74302	4	N32,N41/19	93061	4	43/19
62405	9	N15,N18/19	63295	1	N32/19*	74304	1	N30,N31,N32/19	93110	2	46/19
62406	4	N32/19*	63320	8	45/19	74311	4	N30,N32/19	93113	3	N46/19
62408	7	27/19	63330	9	22,30,43,45,46,47/19	74342	2	N34,N41,N42,N43/19	93117	3	46/19
62411	2	N12,N24,N43/19	63337	17	N22,N30,N43,N47/19	74345	4	N30/19*	93240	12	12,15,22,30,31,40/19
62412	14	N9*,N22/19	63380	2	6/19	74397	6	N31,N32,N34,N41/19	93241	10	N12,N15,N31/19
62413	13	9/19**	71005	1	42/19	74398	3	N31,N41,N43/19	93244	8	12,15,16,43/19
62417	4	N12,N24/19	71018	10	5,46/19	74402	2	N32,N34,N41/19	93245	7	N5,N15,N16,N22,N30, N40/19
62420	6	N22/19	71027	10	N13,N16,N24,N44, N46/19	74410	3	32,41/19	93247	5	40/19
62421	1	N22/19	71033	31	5/19	74420	3	41/19	93248	1	22,30/19
62422	1	N22/19	71040	6	N11/19*	74451	4	N15/19*	93249	1	5,15,16/19
62423	1	N22/19	71058	3	N8,N15,N17,N32/19	74582	9	44/19	93260	9	22,30,40/19
62424	1	N22/19	71059	2	N8,N15,N17,N32/19	74583	15	21,30,42,44/19	93280	5	16/19
62425	1	N10,N22,N34/19	71061	16	N8,N9,N15,N17/19	74585	2	N30/19*	93284	5	16/19
62431	8	25/19	71066	3	N20*,N30,N40,N41, N42/19	74592	1	N19/19*	93300	6	16/19
62432	19	N7,N22,N27/19	71067	1	N20/19*	74593	1	N19/19**	93301	6	16/19
62433	13	27/19	71180	29	5,46/19	75035	18	18,19/19	93440	4	43/19
62434	12	N6,N9,N12,N18,N23, N27,N38/19	71185	25	N5,N43,N46/19	75130	16	34/19	93446	7	43/19
62440	9	N15,N18,N19,N27/19	71186	3	N43/19	75134	3	34/19	93500	6	32/19
62441	10	18,19,21,40/19	71230	11	47/19	75137	2	N43/19	93503	7	N32/19
62444	3	N28,N40/19	71238	1	N46/19	75253	2	N30/19*	93540	5	32/19
62446	4	N15,N46/19	71239	4	N17,N33/19	75266	1	N17,N18,N19,N40, N41/19	93710	4	N30/19
62447	3	N18/19	71241	11	N16/19				93721	7	N21/19*
62448	3	N39/19*	71243	6	16,20,34,46,47/19	75267	2	N29*,N32/19	93734	14	N34/19*
62451	7	22/19	71244	4	16,17,33/19	75269	2	N29*,N32,N36/19	93736	26	N21/19*
62453	7	N8,N22,N34/19	71247	21	N28/19*	75274	1	N17,N19,N40/19	93778	9	N11,N22,N24,N25/19
62457	7	N15/19	71248	4	N29*,N46/19	76050	8	5,9,11,31/19	94004	7	12/19
62458	1	35/19	71250	2	N13/19*	76052	9	N5,N6,N9,N11,N19, N31,N46/19	94016	3	29,34/19
62460	5	8,14,15,18,21,27,44, 46/19	71251	14	N29/19*				94028	8	8,11,12,13,16,17,20,22, 25,27,30,31,32,33,34,36, 39/19
62462	3	N15,N28/19	71252	3	N12,N16,N17,N20/19	76070	9	39/19			
62463	3	N28,N38,N40/19	71253	13	N28/19*	76071	10	N39,N43/19	94033	6	23,24,26,27,30,34,39,41, 44/19
62464	5	N39/19*	71254	3	N11/19*	76151	7	17,36/19	94061	12	21/19
62465	1	N35/19	71255	8	N13/19*	81002	7	36/19	94062	6	16,20,21/19
			71256	2	N16/19	81023	6	44/19	94082	9	42,43/19
			71265	4	12,16,20,34,46,47/19	81025	4	N35/19*	94083	13	N42,N43/19
			71271	12	N42/19	81048	10	44/19			
						81054	16	11,25/19			

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 4/19 THROUGH NM 47/19

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.
94084	2	N42,N43/19	95149	12	N13*,N23,N28,N34,	97420	17	30,39/19
94120	7	12,21,42/19			N38,N40,N42/19	97425	7	N30,N31,N35,N39/19
94123	10	N18,N22/19	95151	19	N5,N13,N14,N15,N16,	97440	8	17/19
94127	3	N18,N22/19			N20,N22,N23,N24,N36,	97472	8	5,40,42,43/19
94160	9	12,20,21,27,36,42/19			N46/19	97567	1	N17,N47/19
94164	2	20,27,36/19	95152	7	N5,N12,N16,N20,N22,	801208	1	N30/19
94165	4	30,36/19			N23,N24,N28,N36/19	801243	1	N24/19
94180	10	34/19	95155	1	N38,N42,N43/19	801316	1	N24,N28/19
94203	11	N21,N29,N34/19	95159	1	N6,N7,N9,N11,N12,	801382	1	N22,N36,N37/19
94216	9	N5,N21,N22,N30/19			N13,N19/19	801485	1	N15/19*
94217	7	N22,N27/19	95160	15	N39/19*	801885	4	N40/19**
94218	6	N5,N21,N27/19	95161	19	N11,N12,N13,N14,N16,	801959	2	N15/19**
94219	3	N5,N6,N7,N8,N12,			N18,N19,N20,N21,N22,	803185	1	N40/19*
		N21/19			N25,N27,N28,N30,	803222	1	N33,N34,N37,N42/19
94220	5	21,22,30,34/19			N34/19	803404	2	N34/19**
94282	10	N8,N11,N12,N34,	95162	3	N16/19	803424	1	N9,N19,N20/19
		N47/19	95163	4	N6,N7,N8,N9,N11,N12,	803445	1	N7,N16,N17/19
94283	9	N11,N13,N34,N47/19			N13,N19,N20/19	803456	1	N32/19
94287	2	12,17,34/19	95167	13	N6,N7,N9,N11,N12,	803458	1	N16,N32/19
94290	3	8,11,12,16,34/19			N13,N20/19	803461	1	N21/19
94360	7	N34/19	95180	13	N6,N7,N8,N12,N13,	803462	1	N7/19
94420	4	16,24,38,39,40,41/19			N25/19	803463	1	N16/19
94421	11	5,16,38,39,41/19	95274	4	15/19	803478	1	N7,N9,N17,N19,N20,
94423	13	N16/19	95279	1	N16/19			N22/19
94427	2	N16,N17,N18,N27,N34,	95288	2	N39/19	803497	1	N14/19
		N39,N40,N43/19	95339	2	N30/19	803498	1	N44/19
94440	4	N16,N40/19	96000	5	27/19	803610	1	N24/19
95016	9	13,27/19	96004	14	27/19	803617	1	N24,N25,N27,N28,N32,
95054	1	N39*,N47/19	96039	8	N27/19			N40/19
95060	15	N7,N11,N18,N22,N23,	96041	12	N27,N29,N45/19	803621	1	N22,N32/19
		N24,N26,N27,N30,N33,	96042	12	N5,N30/19	803653	1	N43,N47/19
		N34,N44,N46,N47/19	96043	9	N27,N29/19	803668	1	N33/19*
95065	8	N24,N26,N34,N44,	96044	11	N27/19	803682	1	N40/19*
		N47/19	96060	7	27/19	803684	1	N40/19*
95066	14	N23,N24,N26,N27,N34,	96927	1	N34,N35,N37/19	803704	1	N34/19*
		N43,N44,N47/19	96943	15	42/19	803728	1	N24/19
95067	17	N44,N47/19	96951	3	N39*,N47/19	803738	1	N13/19
95068	4	N7,N8,N9,N11,N12,	97015	10	40/19	803752	1	N46/19*
		N43,N45,N47/19	97021	8	8,12,13,16,17,25/19	803759	1	N15/19*
95080	15	N6,N7,N8,N9,N11,N16,	97022	2	N11,N12,N13,N16,N20,	805118	4	N47/19**
		N24,N28,N37,N39,N40,			N22,N25,N30/19	805318	1	N34/19*
		N43,N44,N47/19	97026	10	39/19	806902	2	N21/19*
95082	10	N6,N7,N8,N9,N12,N14,	97029	3	47/19	806918	1	N30,N32,N37/19
		N20,N38/19	97030	3	N32,N33/19	806921	1	N13/19
95083	9	N6,N9,N14,N38/19	97034	2	N30,N32/19	806932	1	N22,N32/19
95084	8	N8,N16,N18,N34,N37,	97044	5	N42/19*	806938	1	N7,N9,N25,N26/19
		N39,N40,N43,N44,	97089	2	N30,N31,N32,N45/19	806939	1	N20,N21/19
		N47/19	97090	2	N32/19	806964	1	N19/19
95085	6	N6,N8,N14,N16,N31,	97133	2	N39/19*	806973	2	N30*,N33,N34,N36,
		N46,N47/19	97134	4	N44/19*			N37,N42/19
95086	6	N6,N7,N8,N12,N13,	97136	2	N39/19*	806978	1	N24/19
		N14,N16,N18,N28,N31,	97139	3	N41/19*	808914	1	N46/19*
		N34,N47/19	97140	17	47/19	808955	1	N24/19
95087	4	N9,N14/19	97159	6	39,40,47/19	809102	1	N25/19
95100	13	6,7,8,13,16,27,30,32,33,	97166	2	N39,N40,N47/19	809122	1	N30/19
		36,37,38,39,40,43,44,46,	97167	3	39,40,47/19	809125	1	N32/19
		47/19	97180	7	N30,N31,N32,N33,	809127	1	N26,N27,N35/19
					N45/19	809151	1	N24,N28/19
95101	9	N6,N7,N8,N16/19	97190	2	31,32,33/19	809187	1	N22,N32/19
95102	9	N6,N27/19	97191	1	N20/19			
95103	10	N7,N8,N13,N27,N30,	97197	1	N20,N35,N40/19			
		N31,N32,N33,N34/19	97198	1	N20,N35,N40/19			
95120	10	N6,N8,N16,N27,N31,	97210	1	N20,N35,N40/19			
		N32,N33,N34,N36/19	97212	1	N25,N42/19			
95136	2	N21,N22,N25,N34,N35,	97213	2	N39/19*			
		N37,N46,N47/19	97239	10	40/19			
95138	10	N25,N34,N37,N40,N44,	97245	11	20,27,29/19			
		N46,N47/19	97266	6	N20,N21,N22,N24,N25,			
95140	17	N12,N13,N16,N19,N20,			N27,N28,N30,N36,N37,			
		N22,N24,N25,N27,N28,			N40,N45/19			
		N30,N37,N38,N40,N42,	97271	12	19,20,21,22,24,25,36,37,			
		N43,N44,N47/19			38,40,45/19			
95141	9	N19,N20,N22,N24,N25,	97273	11	22,36/19			
		N26,N27,N28,N29,N34,	97288	4	N39,N40/19			
		N37,N38,N39,N40,N43,	97293	2	N24,N36/19			
		N46,N47/19	97297	1	N32,N39,N40/19			
95143	13	N19,N22,N25,N26,N28,	97302	1	N39,N40/19			
		N29,N34,N37,N39,N40,	97311	1	N22/19			
		N42,N43,N44,N46,	97319	5	N39/19*			
		N47/19	97330	1	N17,N47/19			
95144	11	N22,N25,N26,N28,N29,	97333	1	N18,N20/19			
		N30,N34,N37,N38,N40,	97362	1	N31,N35/19			
		N42,N43,N47/19	97371	1	N12/19			
95146	17	N6*,N25,N28,N29,N30,	97380	7	16,17,18,20/19			
		N34,N38,N40,N42/19	97381	7	18,20,24/19			
95147	15	N46/19*	97396	14	16,17,19/19			
95148	7	N22,N28/19	97397	8	N16,N17,N19/19			

SECTION II
NGA/DLIS CATALOG CORRECTIONS

NM 47/19

**CUMULATIVE NGA CATALOG CORRECTIONS FOR VOLUME I (49th Ed.)
FROM NOTICE TO MARINERS 38/19 THROUGH 47/19**

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		
	MISCELLANEOUS CHARTS AND PUBLICATIONS					
COMBT805118 (7642014014685)	<u>Canceled</u> Replaced by LPCXX805318					47/19
DNCDX016 (7644014337966)	Bahamas/Bermuda		<u>33</u>	<u>10/19</u>	DS	47/19
DNCDX026 (7644014421035)	British Columbia		<u>34</u>	<u>10/19</u>	DS	47/19
CATCDNMCI (7644015433809)	NGA/DLIS Catalog of Maps Charts and Related Products		<u>49</u>	<u>2019</u>	<u>DS</u>	47/19

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 47/19

NGA/DLIS CATALOGS CORRECTIONS

NGA/DLIS CATALOG 49 Ed 2019 NEW EDITION
(DLA; NGA) N47/19

SAILING DIRECTIONS CORRECTIONS

PUB 145 18 Ed 2018 LAST NM 20/19
Pub. 145 has been updated to 19 October 2019, including
Notice to Mariners 42/2019, and can be downloaded from
the NGA Maritime Website:
<https://msi.nga.mil>
(NGA) 47/19

COAST PILOT CORRECTIONS

COAST PILOT 4 51 Ed 2019 03 NOV 2019
LAST NM 44/19
Chapter 2—Paragraph 1288; read:
⁽¹²⁸⁸⁾ (o) [Reserved]
(FR 10/31/2019) 47/19

Chapter 12—Paragraph 410; read:
⁽⁴¹⁰⁾ **Jensen Beach, Mile 981.4**, is a winter resort on the
west bank of the Indian River. State Route 707A fixed high-
way bridge, (locally known as Jensen Road bridge and NE
Causeway Blvd.), crosses the waterway with a vertical clear-
ance of 66 feet.
(FR 10/31/2019; L 452-2019) 47/19

COASTPILOT5 47Ed2019

LAST NM 22/19

Chapter 6—Paragraphs 30 to 36; read:

⁽³⁰⁾ <Deleted Paragraph Header>

⁽³¹⁾ <Deleted Paragraph>

⁽³²⁾ **Channels**

⁽³³⁾ A dredged channel leads from deep water in
Apalachee Bay to a turning basin at the town of St. Marks, and
continues to just above the power plant about 0.5 mile above
the town. (See Notice to Mariners and latest edition of chart for
controlling depths.) The channel is marked by a lighted
range, lights, daybeacons, and lighted and unlighted buoys.
Numerous shoals are on both sides of the approach channel.

⁽³⁴⁾ A land cut, about 500 yards long, about 0.3 mile
northwest of an abandoned lighthouse, has been dredged from
the east side of Spanish Hole for the St. Marks National
Wildlife Refuge. A public launching ramp is available on the
land cut.

⁽³⁵⁾ <Deleted Paragraph Header>

⁽³⁶⁾ <Deleted Paragraph>

(LNM 39/19 CG8; NOS 11406)

47/19

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME I ATLANTIC COAST, 2019

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
648	<i>Caribbean Wind Lighted Research Buoy BW3</i>						<i>Remove from list.</i> * 47/19
3300	<i>Penobscot Bay East Approach Lighted Whistle Buoy PBA</i>	43-55-36.61N 68-39-37.08W					AIS: MMSI 993672149 (21). * 47/19
4454	<i>University of Maine Belfast Bay Lighted Research Buoy</i>	44-23-31.62N 68-57-57.06W	FI Y 20s			Yellow.	Private aid. * 47/19
8386	Seavey Island Daybeacon 12A	43-04-45.67N 70-44-25.99W				TR on pile.	Marks remains of submerged quaywall. Private aid. * 47/19
8387	Seavey Island Daybeacon 12B	43-04-46.07N 70-44-28.15W				TR on pile.	Marks remains of submerged quaywall. Private aid. * 47/19
14685	<i>Collier Ledge Lighted Isolated Danger Buoy DCL</i>	41-35-44.72N 70-21-05.83W	FI (2) W 5s		3	Black and red bands with two black spherical topmarks.	Replaced by can when endangered by ice. * 47/19
17497	- Channel Buoy 15A	41-30-38.44N 71-05-44.07W				Green can.	Maintained from 31 March to 01 December. * 47/19
17505	- Channel Buoy 17	41-30-44.12N 71-05-46.10W				Green can.	Maintained from 31 March to 01 December. * 47/19
17507	- Channel Buoy 18	41-30-47.12N 71-05-42.56W				Red nun.	Removed when endangered by ice. * 47/19
17510	- Channel Buoy 19	41-30-47.55N 71-05-44.23W				Green can.	Maintained from 31 March to 01 December. * 47/19
17515	- Channel Buoy 20	41-30-52.31N 71-05-34.50W				Red nun.	Maintained from 31 March to 01 December. * 47/19
17517	- Channel Buoy 21	41-30-53.84N 71-05-35.65W				Green can.	Removed when endangered by ice. * 47/19
17520	Westport Harbor Channel Buoy 23	41-30-58.67N 71-05-27.79W				Green can.	Maintained from 31 March to 01 December. * 47/19
17522	- Channel Buoy 24	41-31-00.54N 71-05-20.37W				Red nun.	Removed when endangered by ice. * 47/19
17525	- Channel Buoy 26	41-31-01.34N 71-05-06.98W				Red nun.	Removed when endangered by ice. * 47/19
17845	<i>Goat Island Southeast Lighted Buoy 7</i>	41-29-00.88N 71-19-31.03W	FI G 4s		3	Green.	Removed when endangered by ice. * 47/19
18776	- Buoy 2	41-43-57.54N 71-17-31.08W				Red nun.	Maintained from 31 March to 01 December. * 47/19

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added. Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME I ATLANTIC COAST, 2019

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
18778	- Buoy 4	41-43-58.14N 71-17-36.12W				Red nun.	Maintained from 31 March to 01 December. * 47/19
18915	- FRONT RANGE LIGHT	41-42-43.04N 71-11-24.86W	F R	39		Metal tower. *	Private aid. 47/19
18917	- REAR RANGE LIGHT 131 yards, 324.6° from front light.	41-42-46.10N 71-11-27.80W	Q R	59		Metal tower. *	Private aid. 47/19
19103	<i>West Passage Wreck Lighted Buoy WR6</i>	41-29-13.60N 71-24-20.50W	Q R		3	Red.	Removed when endangered by ice. * 47/19
19468	Quonochontaug Pond Buoy 1	41-20-19.86N 71-43-27.03W *				Green can.	Maintained from Apr. 1 to Nov. 1. Private aid. 47/19
19469.1	Quonochontaug Pond Buoy 3	41-20-26.39N 71-43-28.96W *				Green can.	Maintained from Apr. 1 to Nov. 1. Private aid. 47/19
19469.2	Quonochontaug Pond Buoy 4	41-20-26.21N 71-43-25.51W *				Red nun.	Maintained from Apr. 1 to Nov. 1. Private aid. 47/19
19469.3	Quonochontaug Pond Buoy 5						<i>Remove from list.</i> * 47/19
19469.4	Quonochontaug Pond Buoy 6						<i>Remove from list.</i> * 47/19
19760	- Entrance Lighted Buoy 7	41-11-51.56N 71-35-23.08W	FI G 4s		4	Green.	Replaced by unlighted buoy when endangered by ice. * 47/19
19765	<i>Great Salt Pond Entrance Lighted Buoy 8</i>	41-11-51.26N 71-35-24.89W	FI R 4s		3	Red.	Replaced by unlighted buoy when endangered by ice. * 47/19

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II ATLANTIC COAST, 2019

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
	*Delete Heading: *Chincoteague Channel						
5305	- Lighted Buoy 8 *	37-52-19.30N 75-25-10.00W	Q R		4	Red.	47/19
	*Add Heading: *Chincoteague Channel						
5310	- Lighted Buoy 10 *	37-52-41.90N 75-24-39.70W	FI R 2.5s		4	Red.	47/19
5315	- Lighted Buoy 09 *	37-52-26.45N 75-25-02.70W	Q G		4	Green.	47/19
5320	- Lighted Buoy 11 *	37-52-55.17N 75-24-30.85W	FI G 2.5s		4	Green.	47/19

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II ATLANTIC COAST, 2019

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
5385	- Buoy 25	37-55-15.48N 75-23-42.57W *				Green can.	47/19
5390	- Lighted Buoy 26	37-55-44.30N 75-23-32.21W *	Fl R 2.5s		4	Red.	47/19
5392	- Lighted Buoy 27	37-55-46.28N 75-23-30.66W *	Fl G 4s		4	Green.	47/19
5397	- Lighted Buoy 28	37-55-46.99N 75-23-25.91W *	Fl R 4s		4	Red.	47/19
5400	- Lighted Buoy 29	37-55-50.17N 75-23-20.59W *	Fl G 4s		4	Green.	47/19
26280	- Daybeacon 1C *	38-54-25.49N 76-16-19.59W *				SG on pile. *	47/19
40230	- Buoy 47A	33-55-16.99N 78-14-10.28W *				Green can with yellow square.	47/19

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III ATLANTIC AND GULF COAST, 2019

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
26454.1	- Daybeacon 3	28-14-26.70N 82-44-59.30W *				SG on pile.	Private aid. 47/19
26454.2	- Daybeacon 5	28-14-25.50N 82-44-57.20W *				SG on pile.	Private aid. 47/19
26454.3	- Daybeacon 7	28-14-23.60N 82-44-56.00W *				SG on pile.	Private aid. 47/19
26454.6	- Daybeacon 13	28-14-19.90N 82-44-51.60W *				SG on pile.	Private aid. 47/19

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV GULF OF MEXICO, 2019

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
18755	- LIGHT 44 125 feet outside channel limit.	29-25-33.02N 91-20-04.75W *	Fl R 2.5s	17	3	TR on pile.	Ra ref. 47/19
18846	- LIGHT 55	29-27-19.47N 91-17-20.48W *	Fl G 6s	17	3	SG on pile.	Ra ref. 47/19
18963	- JUNCTION LIGHT C *	29-32-30.69N 91-14-50.60W *	Fl (2+1) R 6s	17	3	JR on pile.	Ra ref. 47/19

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV GULF OF MEXICO, 2019

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
35130	- Daybeacon 14 90 feet outside channel limit.	29-43-37.18N 91-11-08.39W				TR-TY on pile.	Ra ref.
		*					47/19
35780	- LIGHT 3	29-33-09.45N 94-27-59.35W	FI G 2.5s	17	3	SG-SY on pile.	Ra ref.
		*					47/19
35855.01	- LIGHT 9	29-31-05.45N 94-30-24.89W	FI G 2.5s	17	3	SG-SY on pile.	Ra ref.
		*					47/19

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2019

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
381	- Scripps Waverider Lighted Research Buoy 029	37-56-12.06N 123-27-46.50W	FI (5) Y 20s			Yellow sphere with whip antenna.	Private aid.
		*					47/19

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII GREAT LAKES, 2019

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
8600.1	St. Clair Cut Off Channel Lighted Buoy 32	42-30-55.32N 82-41-09.67W	FI R 2.5s		4		Replaced by nun from Dec. 21 to Mar. 28.
		*	*				47/19
14590	Sand Point Lighted Bell Buoy 3	46-27-35.79N 86-36-44.19W	FI G 4s		5	Green.	Replaced by can from Oct. 14 to May 7.
		*					47/19

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SECTION II

CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2019 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
500 G 3026	-Punta Arenas , SE. end of Isla de Puna.	3° 01.3' S 80° 07.4' W	Fl.(2)W. period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	36 11	20	White metal and concrete tower; 59.	
				*			47/19
3436 K 4704.1	--Rear, about 1.5 km from front.	17° 54.6' S 177° 17.5' E	Iso.R. period 2s	210 64	15	Tower, orange pentagonal daymark, white stripe; 23.	Obscured locally.
	*			*			47/19
8164 Q 2096	-On edge of shoal E. of Beatrice Island.	35° 38.4' S 137° 41.7' E	Q.(3)W. period 10s		3	E. CARDINAL BYB, beacon, topmark.	
				*			47/19
8216 Q 2092	-Cape Jervis.	35° 36.2' S 138° 05.7' E	Fl.(4)W. period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	75 23	16	White concrete tower, white lantern; 59.	Visible 000°-207°. AIS (MMSI No 005030269).
							*
							47/19
8268 Q 2056.4	North Haven, S. breakwater, head.	34° 47.7' S 138° 28.9' E	Fl.G. period 2s		4		
					*		47/19

CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2019 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
728 D 1086	Les Grands Cardinaux, on Groguegues Rock, SE. of Ile Hoedic.	47° 19.3' N 2° 50.1' W	Fl.(4)W. period 15s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	92 28	11	Red round tower, white band; 89.	AIS (MMSI No 992271025).
					*		*
							47/19
6115 E 0527.52	-S. jetty.	43° 10.1' N 3° 11.2' E	Fl.(3)R. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	23 7	6	Red metal post; 13.	
			*		*	*	47/19
7056 E 0794	-Ilot Lion de Mer.	43° 24.4' N 6° 46.4' E	Q.W.R.	52 16	W. 11 R. 8	White structure; 33.	W. 275°-249°, R. -275°.
			*				47/19
8976 E 1454	Scoglio d'Africa.	42° 21.0' N 10° 04.1' E	Fl.W. period 5s fl. 1s, ec. 4s	62 19	7	Round stone tower; 52.	Reserve light range 7M.
					*		*
							47/19

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SECTION II

CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2019 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
9476 <i>E 1650</i>	--Spur, entrance, W. side.	40° 50.0' N 14° 16.3' E	F.R.	20 6	2	Stone structure; 26.	
			*	*	*	*	* 47/19
9832 <i>E 1790</i>	--Punta Scaliddi.	38° 28.2' N 14° 57.4' E	Fl.R. period 3s fl. 1s, ec. 2s	26 8	7	Red post; 20.	F.R.G. (vert.) 4M marks head of jetty 290 meters NNW.
					*		47/19
17532 <i>N 4966.4</i>	-E. breakwater, head.	41° 53.2' N 28° 01.2' E	Fl.G. period 3s fl. 0.3s, ec. 2.7s	33 10	5	White concrete tower, green band; 26.	AIS (MMSI No 992711071).
			*	*	*	*	47/19
17536 <i>N 4966.6</i>	-W. breakwater, head.	41° 53.2' N 28° 01.2' E	Fl.R. period 5s fl. 1s, ec. 4s	33 10	5	White concrete tower, red band; 26.	AIS (MMSI No 992711072).
			*	*	*	*	47/19
19702 <i>N 4590.2</i>	Kucukkuyu, W. breakwater.	39° 32.7' N 26° 36.3' E	Fl.R. period 4s fl. 1s, ec. 3s	30 9	3	White tower, red band; 20.	
			*	*		*	47/19
20221 <i>N 4730.7</i>	-Outer Harbor, pier, head.	37° 01.4' N 27° 26.1' E	Fl.(3)Y. period 8s	36 11	3		
				*			47/19
20664 <i>N 5862</i>	Anamur Burnu.	36° 01.0' N 32° 48.2' E	Fl.(2)W. period 5s fl. 0.3s, ec. 1s fl. 0.3s, ec. 3.4s	223 68	20	White stone tower, dwelling; 33.	AIS (MMSI No 992711233).
					*		47/19
22176 <i>E 6486</i>	-Jete du Lion, head.	36° 54.2' N 7° 46.9' E	Fl.G. period 4s fl. 1s, ec. 3s	62 19	13	White round tower; 56.	
			*				47/19
22332 <i>E 6573</i>	--Auxiliary light, 150 meters 056° from main light, at foot of cliff.	36° 46.6' N 5° 06.3' E	Fl.W.R. period 1.5s	105 32	W. 13 R. 10	White round tower; 26.	R. 114°-126°, W.-295°. Obscured 094°-114° and 295°-316°.
			*		*	*	* 47/19
22948 <i>D 2542</i>	-N. jetty, head.	34° 16.0' N 6° 41.0' W	Iso.R. period 4s	56 17	6	Red tower, white band; 20.	River marked by beacons up to Kenitra.
			*		*	*	* 47/19
22952 <i>D 2543</i>	-S. jetty, head.	34° 15.8' N 6° 41.1' W	Iso.G. period 4s	46 14	6	White and green mast; 33.	
				*		*	47/19

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SECTION II

NM 47/19

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 47/19

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 181	2017	43/17*;30/18;12, 30/19	COAST PILOT 1	49	17*,21,23,31,32,34, 40,44,45/19
Region 1	2019	47/19*	PUB 182	2018	21*,50/18;23/19	COAST PILOT 2	49	46/19*
Region 2	2019	47/19*	PUB 183	2017	29/17*;20/18;4,21, 29/19	COAST PILOT 3	52	8*,10,26,27,31,32, 34,35,36,38,41, 42/19
Region 3	2019	47/19*	PUB 191	2017	16*,46/17;26/18;12, 39/19	COAST PILOT 4	51	41*,44,47/19
Region 4	2019	47/19*	PUB 192	2017	23*,40/17;20/18;10, 34/19	COAST PILOT 5	47	22*,23,27,31,32,39, 40,47/19
Region 5	2019	47/19*	PUB 193	2017	4*,35/17;10,34/18; 21/19	COAST PILOT 6	49	13*,15,16,17,19,20, 22,31,34,35,37,40, 44/19
Region 6	2019	47/19*	PUB 194	2019	45/19*	COAST PILOT 7	51	52/18*;10,13,14,16, 19,21,23,24,25,28, 29,31,38,39,44, 46/19
Region 7	2019	47/19*	PUB 195	2019	37/19*	COAST PILOT 8	41	26*,42/19
Region 8	2019	47/19*	PUB 200	2017	13*,31/17;10/18;5, 30/19	COAST PILOT 9	37	36*,41,44/19
Region 9	2019	47/19*	USCG LIGHT LIST VOLUMES I - VII			RADIO NAVIGATIONAL AIDS		
Miscellaneous Charts and Publications	2019	47/19*	VOLUME I	2019	5*,7,8,11,12,13,14, 15,16,17,18,19,20, 21,22,23,24,25,26, 27,28,29,30,31,32, 33,34,35,36,37,38, 39,40,41,42,43,44, 45,46,47/19	PUB 117	2014	51/14*
NGA LIST OF LIGHTS			VOLUME II	2019	5*,6,7,8,9,10,11,12, 13,14,15,16,17,18, 19,20,21,22,23,24, 25,26,27,28,29,30, 31,32,33,34,35,36, 37,38,39,40,41,42, 43,44,45,46,47/19	AMERICAN PRACTICAL NAVIGATOR		
PUB 110	2019	39/19*	VOLUME III	2019	5*,8,9,11,12,13,14, 15,16,17,18,19,20, 21,22,23,24,25,26, 27,30,31,32,33,34, 36,37,39,40,41,42, 43,44,45,46,47/19	PUB 9	2019	26*,28/19
PUB 111	2019	18*,26,31,36,37,38, 39,40,42,43,47/19	VOLUME IV	2019	5*,7,8,9,11,12,13, 14,15,17,18,19,20, 21,22,23,24,25,26, 27,28,29,31,32,33, 34,35,36,37,38,39, 40,41,42,43,44,45, 46,47/19	INTERNATIONAL CODE OF SIGNALS		
PUB 112	2019	26*,27,28,30,31, 36/19	VOLUME V	2019	5/19*	PUB 102	2003	20/03*
PUB 113	2019	31*,47/19	VOLUME VI	2019	5*,6,7,8,9,10,11,12, 13,15,16,17,18,19, 20,21,22,23,24,25, 26,27,28,29,30,31, 32,33,34,35,36,37,38, 39,40,41,42,43,44, 45,46,47/19	WORLD PORT INDEX		
PUB 114	2019	22*,27,31,32,33,34, 35,36,37,38,39, 40/19	VOLUME VII	2019	5*,7,8,9,11,12,13, 14,15,17,18,19,20, 21,22,23,24,25,26, 27,28,29,31,32,33, 34,35,36,37,38,39, 40,41,42,43,44,45, 46,47/19	PUB 150	2019	37/19*
PUB 115	2019	34*,37,38,39,40, 42/19	DIGITAL PUBLS - QUARTERLY			RADAR NAVIGATION AND MANEUVERING BOARD MANUAL		
PUB 116	2019	13*,16,18,20,21,22, 24,33/19	DIGITAL PUBLS - QUARTERLY	2019	N45/19*	PUB 1310	2001	51/01*
SAILING DIRECTIONS			FLEET GUIDES			SIGHT REDUCTION TABLES (MARINE)		
PUB 120	2018	25/18*;13,39/19	PUB 940	2015	N6/15*	PUB 229 VOL. 1	1970	11/71*
PUB 123	2017	49/17*;23,52/18; 23/19	PUB 941	2015	N6*,N13,N31/15	PUB 229 VOL. 2	1970	11/71*
PUB 124	2017	7*,26/17;19/18;6,21, 45/19	NOS MISCELLANEOUS PUBLICATIONS			PUB 229 VOL. 3	1970	7/71*
PUB 125	2017	30/17*;8,36/18; 15/19	CATALOG A	2012	22/12*	PUB 229 VOL. 4	1970	3/71*
PUB 126	2017	17*,52/17;30,48/18; 10,35/19	CATALOG G	2012	18/12*	PUB 229 VOL. 5	1970	3/71*
PUB 127	2017	19*,52/17;30/18;13, 35/19	CATALOG K	2012	34/12*	PUB 229 VOL. 6	1970	23/70*
PUB 131	2017	18*,33,46/17;17/18; 14,38/19	CATALOG L	2012	27/12*	SIGHT REDUCTION TABLES (AIR)		
PUB 132	2017	7*,26,40/17;10/18; 14,33/19	CATALOG P	2012	32/12*	PUB 249 VOL. 1	2007	38/07*
PUB 140	2019	20*,46/19	ALMANACS			PUB 249 VOL. 2	1952	46/52*
PUB 141	2018	31/18*;13,42/19	AIR ALMANAC	2020	35/19*	PUB 249 VOL. 3	1952	46/52*
PUB 142	2018	35/18*;23/19	NAUTICAL ALMANAC	2020	35/19*	CHART NO. 1		
PUB 143	2017	11*,29,42/17;11/18; 13,35/19	COAST PILOT			CHART NO. 1	2019	19/19*
PUB 145	2018	8*,48/18;20,47/19	ATLAS OF PILOT CHARTS					
PUB 146	2017	12/17*;20,52/18; 29/19	PUB 106 2002 42/03*					
PUB 147	2018	49/18*;23/19	PUB 107 1998 30/99*					
PUB 148	2017	12/17*;10/18;4,37, 38/19	PUB 109 2001 49/02*					
PUB 153	2017	8/17*;9,38/18;20, 39/19	USCG NAVIGATION RULES AND REGULATIONS					
PUB 154	2017	39/17*;17,52/18; 24/19	NAVIGATION RULES 2014 38*,51/14;37,41, 50/15;7/18					
PUB 155	2017	46/17*;39/18;24/19	NOS TIDE TABLES					
PUB 157	2018	38/18*;18,39/19	EAST PACIFIC 2019 N50/18*					
PUB 158	2017	19/17*;11,52/18; 29/19	W PACIFIC/INDIAN 2019 N50/18*					
PUB 159	2017	19/17*;18/18;12, 46/19	OCEAN					
PUB 160	2019	24*,42/19	WEST ATLANTIC 2019 N50/18*					
PUB 161	2017	32/17*;9,31/18;12, 45/19	EUROPE/WEST 2019 N50/18*					
PUB 162	2017	13*,42/17;20,52/18	AFRICA					
PUB 163	2018	25/18*;10/19	TIDAL CURRENT TABLES					
PUB 164	2018	11*,44/18;24/19	PACIFIC 2019 N50/18*					
PUB 171	2018	16/18*;4,31,45/19	ATLANTIC 2019 N50/18*					
PUB 172	2017	11*,34,48/17;20, 35/18;10,34/19						
PUB 173	2017	20*,40,49/17;26, 52/18						
PUB 174	2019	21/19*						
PUB 175	2017	25/17*;9,44/18; 24/19						
PUB 180	2017	6*,29,45/17;9,26, 45/18;5,21/19						

BROADCAST WARNINGS

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

NAVAREA IV

Messages in force 131145Z November 2019:

2017 series	119(24,25)	546(24)	824(24)	952(24)	976(25)
42(25)	193(27)	649(28)	859(24)	954(GEN)	979(24)
68(25)	203(28)	722(25)	894(24)	956(24)	980(GEN)
108(25)	214(27)	734(24)	907(24)	959(24)	981(27)
121(25)	838(24)	747(24)	911(11)	960(24)	986(24)
222(28)	2019 series	756(24)	912(GEN)	961(12,25)	989(GEN)
1037(24)	122(24)	757(24)	923(GEN)	964(25)	990(15)
1054(28)	276(24)	803(24)	934(24)	969(25)	991(GEN)
1083(24)	459(14)	804(24)	935(24)	972(25)	
2018 series	531(24)	810(11)	951(24)	973(25)	

The summary of all NAVAREA IV messages in force as of 19 December 2018 is given in Section III of NM 52/18. Warnings issued during the subsequent quarters are issued in NM 13/19, 26/19 and 39/19.

NAVAREA IV WARNINGS issued from 061300Z to 131145Z November 2019.

973/19(25).

WESTERN NORTH ATLANTIC.
EASTERN CARIBBEAN SEA.
ANGUILLA.
CABLE OPERATIONS 081100Z NOV UNTIL FURTHER NOTICE
BY M/V LIDA IN AREA BOUND BY
17-56.78N 060-41.75W, 18-58.70N 062-25.00W,
18-56.98N 063-37.36W.
TWO MILE BERTH REQUESTED.

(061634Z NOV 2019)

974/19 and 975/19. CANCELED.

976/19(25).

WESTERN NORTH ATLANTIC.
GUADELOUPE.
CHART 25563.
1. ILES DE PETITE TERRE LIGHT 16-10.2N 061-06.5W
UNRELIABLE.
2. CANCEL NAVAREA IV 764/19.

(071228Z NOV 2019)

977/19 and 978/19. CANCELED.

979/19(24).

CARIBBEAN SEA.
COLOMBIA.
1. SURVEY OPERATIONS IN PROGRESS UNTIL 29 MAR 20
BY M/V SW AMUNDSEN IN AREA BOUND BY
09-26.3N 077-01.4W, 09-44.9N 077-05.2W,
10-08.5N 076-57.5W, 10-08.5N 076-45.5W,
09-13.0N 077-00.0W, 09-15.5N 077-07.4W,
09-26.3N 077-01.4W.
SEVEN MILE BERTH REQUESTED.
2. CANCEL THIS MSG 30 MAR 20.

(081020Z NOV 2019)

980/19(GEN).

1. NAVAREA IV WARNINGS IN FORCE AS OF 081455Z NOV 19:
979/19, 977/19, 976/19, 973/19, 972/19, 971/19,
969/19, 964/19, 960/19, 959/19, 956/19, 954/19,
952/19, 951/19, 935/19, 934/19, 923/19, 912/19,
911/19, 907/19, 894/19, 859/19, 824/19, 810/19,
804/19, 803/19, 757/19, 756/19, 747/19, 734/19,
722/19, 649/19, 546/19, 531/19, 459/19, 276/19,
122/19.
838/18, 214/18, 203/18, 193/18, 119/18.
1083/17, 1054/17, 1037/17, 222/17, 121/17, 108/17,
68/17, 42/17.
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 957/19.

(081458Z NOV 2019)

981/19(27).
 WESTERN NORTH ATLANTIC.
 OLD BAHAMA CHANNEL.
 CUBA.
 CHART 27060.
 CAYO PAREDON GRANDE LIGHT 22-29.0N 078-09.9W,
 UNRELIABLE.

(081631Z NOV 2019)

982/19 thru 985/19. CANCELED.

986/19(24).
 CARIBBEAN SEA.
 COLOMBIA.
 MAN OVERBOARD FROM VESSEL IN 10-11.49N 075-42.78W
 ON 08 NOV.
 VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
 LOOKOUT, ASSIST IF POSSIBLE.
 REPORTS TO ANY COASTAL RADIO STATION.

(101701Z NOV 2019)

987/19 and 988/19. CANCELED.

989/19(GEN).
 1. NORTH AMERICAN ICE SERVICE (NAIS)
 ICEBERG BULLETIN 130001Z NOV.
 2. ICEBERG LIMIT ALONG TRACKLINE JOINING
 52-10N 055-45W, 51-00N 052-00W,
 51-00N 048-30W, 52-00N 047-30W,
 55-30N 054-00W.
 3. ESTIMATED ICEBERG LIMIT ALONG
 TRACKLINE JOINING
 55-30N 054-00W, 61-00N 059-00W,
 62-00N 054-00W, 58-00N 048-00W,
 58-00N 040-00W, 64-00N 037-00W,
 66-00N 028-00W.
 4. SEA ICE LIMIT ALONG TRACKLINES
 JOINING:
 A. 49-20N 067-20W, 49-20N 067-05W,
 50-15N 065-50W.
 B. 53-30N 059-50W, 53-35N 060-05W.
 C. 59-15N 063-25W, 60-20N 064-15W,
 60-25N 064-25W.
 D. 60-30N 064-50W, 58-40N 067-15W,
 59-15N 068-55W, 61-05N 069-10W,
 61-20N 070-35W, 62-45N 074-00W,
 62-45N 078-25W, 64-00N 074-00W,
 62-20N 070-35W, 61-55N 066-35W.
 E. 62-15N 065-55W, 62-15N 064-05W,
 66-50N 060-05W, 68-30N 065-25W,
 70-05N 066-10W, 71-25N 065-15W,
 72-00N 067-15W, 72-30N 064-20W.
 5. MOST RECENT RECONNAISSANCE:
 SOUTHERN LIMIT GENERAL FLIGHT 09 NOV 19.
 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 140001Z NOV 19.

(122001Z NOV 2019)

990/19(15).
 HUDSON BAY.
 CANADA.
 1. MCTS IQALUIT REMOTE STATION CORAL HARBOUR
 64-09N 083-22W OFF AIR 132100Z TO 272100Z NOV.
 2. CANCEL THIS MSG 272200Z NOV 19.

(122205Z NOV 2019)

991/19(GEN).
GULF OF MEXICO.
LOUISIANA.
USCG REMOTE COMMUNICATION FACILITY NEW ORLEANS
(G) 29-53.1N 089-56.7W VOBRA, WEATHER FAX AND ANY
DSC CALLS UNRELIABLE.

(130642Z NOV 2019)

SECTION III

NM 47/19

HYDROLANTS

Messages in force 131145Z November 2019:

2018 series	1259(54)	2654(55)	3153(24)	3368(57)	3454(54,56)
3401(24)	1596(24)	2655(55)	3197(35)	3383(54)	3455(54)
3834(51)	1771(51)	2662(51)	3199(37)	3389(57)	3458(24)
4044(54)	1787(51)	2689(51)	3202(24)	3393(54)	3462(54)
4045(54)	1832(24)	2710(55)	3204(37)	3394(54)	3465(24)
4046(54)	1862(24)	2788(23)	3212(57)	3401(51)	3467(51)
4047(54)	1902(24)	2817(51)	3221(54)	3404(37)	3470(24)
4048(54)	2003(53)	2847(54,56)	3283(51)	3408(55)	3471(24)
4049(54)	2010(53)	2852(55)	3285(13)	3414(57)	3472(54)
4051(52)	2061(24)	2926(35)	3292(37)	3416(55)	3473(29)
4052(52)	2358(24)	3004(57)	3306(37)	3419(55)	3474(29)
2019 series	2438(51)	3019(35)	3307(37)	3424(57)	3475(51)
2(23)	2459(55)	3042(35,36)	3314(55)	3425(57)	3476(51)
8(54)	2478(24)	3056(43)	3315(55)	3427(54)	3479(35)
9(54)	2504(53)	3065(52)	3329(55)	3428(24)	3480(24)
10(54)	2507(38)	3086(24)	3330(55)	3431(37)	3481(35)
36(53)	2546(56)	3103(24)	3334(37)	3433(55)	
196(51)	2554(24)	3107(57)	3337(54,56)	3439(55)	
338(54)	2631(52)	3137(37)	3339(51)	3442(GEN)	
1044(54)	2653(55)	3143(57)	3360(54)	3449(54)	

The summary of all HYDROLANTS in force as of 19 December 2018 is given in Section III of NM 52/18. Warnings issued during the subsequent quarters are issued in NM 13/19, 26/19 and 39/19.

HYDROLANT WARNINGS issued from 061300Z to 131145Z November 2019.

3416/19(55).

BLACK SEA.

ROMANIA.

DNC 10.

1. SURVEY OPERATIONS IN PROGRESS UNTIL 22 NOV

BY M/V POSEIDON IN AREA BOUND BY

A. 43-40.00N 031-10.00E, 43-38.00N 030-35.00E,

43-45.00N 030-30.00E, 43-55.00N 030-10.00E,

44-12.80N 031-00.00E.

ALONG TRACKLINES JOINING:

B. 43-28.04N 030-49.31E, 43-42.00N 031-12.00E.

C. 43-54.00N 030-12.00E, 43-35.32N 030-33.78E.

WIDE BERTH REQUESTED.

2. CANCEL THIS MSG 23 NOV 19.

(061326Z NOV 2019)

3417/19 and 3418/19. CANCELED.

3419/19(55).

SEA OF MARMARA.

DNC 09, DNC 10.

1. UNDERWATER OPERATIONS IN PROGRESS UNTIL

31 JUL 20 BY M/V DERINSU IN AREA BOUND BY

40-25.78N 027-04.67E, 40-31.42N 026-56.87E,

40-32.77N 026-56.47E, 40-33.25N 026-58.20E,

40-32.00N 026-58.73E, 40-26.58N 027-06.42E.

WIDE BERTH REQUESTED.

2. CANCEL THIS MSG 01 AUG 20.

(061800Z NOV 2019)

3420/19 thru 3423/19. CANCELED.

3424/19(57).

GULF OF GUINEA.

SAO TOME AND PRINCIPE.

DNC 01.

1. M/V ATTACKED IN 01-08.08N 006-09.31E

AT 070028Z NOV. VESSELS ARE ADVISED TO KEEP

CLEAR OF THIS POSITION AND TO EXERCISE EXTREME

CAUTION.

REPORTS TO NAVAREA II,

PHONE: 332 9822 8888, 332 5631 2424,

FAX: 332 5631 2584,

E-MAIL: WATCHKEEPERS@MDAT-GOG.ORG,

coord.navarea2@shom.fr.

2. CANCEL THIS MSG 140206Z NOV 19.

(070206Z NOV 2019)

3425/19(57).

GULF OF GUINEA.
SAO TOME AND PRINCIPE.
DNC 01.

1. M/V ATTACKED IN 01-06.38N 006-09.32E
AT 070054Z NOV. VESSELS ARE ADVISED TO KEEP
CLEAR OF THIS POSITION AND TO EXERCISE EXTREME
CAUTION.
REPORTS TO IMB PIRACY REPORTING CENTER,
PHONE: 603 2031 0014, 603 2078 5763,
FAX: 603 2078 5769,
E-MAIL: IMBKL@ICC-CCS.ORG, PIRACY@ICC-CCS.ORG.
2. CANCEL THIS MSG 140737Z NOV 19.

(070737Z NOV 2019)

3426/19. CANCELED.

3427/19(54).

EASTERN MEDITERRANEAN SEA.
TURKEY.
DNC 10.

1. GUNNERY EXERCISES 0400Z TO 1900Z DAILY
12 AND 13 NOV IN AREA BOUND BY
36-22.32N 031-02.25E, 36-03.32N 031-02.25E,
36-01.82N 031-37.25E, 36-21.32N 031-37.25E.
2. CANCEL THIS MSG 132000Z NOV 19.

(070930Z NOV 2019)

3428/19(24).

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

1. HAZARDOUS OPERATIONS 1000Z TO 2100Z DAILY
12 THRU 14 NOV IN AREA BOUND BY
05-54.13S 035-10.00W, 05-47.04S 034-56.51W,
05-51.89S 034-54.35W, 05-59.77S 034-55.11W,
06-03.47S 034-57.26W, 05-56.13S 035-10.01W.
2. CANCEL THIS MSG 142200Z NOV 19.

(070936Z NOV 2019)

3429/19 and 3430/19. CANCELED.

3431/19(37).

ENGLISH CHANNEL.
GUERNSEY.
DNC 20.

1. CHANNEL LIGHTSHIP 49-54.4N 002-53.7W OFF AIR.

(071420Z NOV 2019)

3432/19. CANCELED.

3433/19(55).

BLACK SEA.
UKRAINE.
DNC 10.

1. GUNNERY AND MISSILE OPERATIONS 0900Z TO 1900Z
DAILY 12 THRU 15 NOV IN AREA BOUND BY
45-03.0N 036-17.0E, 44-57.5N 036-23.0E,
44-45.5N 036-24.0E, 44-07.6N 034-57.0E,
44-34.8N 034-32.7E, 45-00.0N 035-50.0E.
2. CANCEL THIS MSG 152000Z NOV 19.

(071516Z NOV 2019)

3434/19 thru 3438/19. CANCELED.

3439/19(55).

BLACK SEA.
DNC 10.

1. HAZARDOUS OPERATIONS 140700Z TO 141100Z NOV
IN AREA BOUND BY
42-40.0N 037-47.0E, 42-13.0N 037-47.0E,
42-13.0N 037-08.5E, 42-43.5N 037-08.5E.
2. CANCEL THIS MSG 141200Z NOV 19.

(080835Z NOV 2019)

3440/19 and 3441/19. CANCELED.

3442/19(GEN).

1. HYDROLANT WARNINGS IN FORCE AS OF 081452Z NOV 19.
ONLY THOSE WARNINGS ISSUED DURING THE LAST SIX WEEKS
ARE LISTED HEREIN.
3440/19, 3439/19, 3438/19, 3437/19, 3435/19, 3434/19,
3433/19, 3432/19, 3431/19, 3428/19, 3427/19, 3426/19,
3425/19, 3424/19, 3423/19, 3420/19, 3419/19, 3416/19,
3414/19, 3408/19, 3404/19, 3401/19, 3394/19, 3393/19,
3389/19, 3386/19, 3385/19, 3383/19, 3370/19, 3368/19,
3365/19, 3364/19, 3360/19, 3352/19, 3339/19, 3337/19,
3334/19, 3330/19, 3329/19, 3327/19, 3315/19, 3314/19,
3312/19, 3307/19, 3306/19, 3301/19, 3292/19, 3285/19,
3283/19, 3212/19, 3204/19, 3202/19, 3199/19, 3197/19,
3153/19, 3143/19, 3137/19, 3107/19, 3103/19, 3086/19,
3069/19, 3065/19, 3042/19, 3019/19, 3004/19, 2997/19.
2. THE SUMMARY OF ALL HYDROLANT WARNINGS IN FORCE AS OF
29 DEC 2018 IS GIVEN IN SEC III OF NTM 52/18.
WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE
SUMMARIZED IN NTM 13/19, 26/19 AND 39/19.
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 3358/19.

(081453Z NOV 2019)

3443/19 thru 3448/19. CANCELED.

3449/19(54).

- EASTERN MEDITERRANEAN SEA.
BRITISH SOVEREIGN BASE AREA.
DNC 10.
1. HAZARDOUS OPERATIONS 0500Z TO 1400Z DAILY
11 THRU 14 NOV IN AREA BOUND BY
34-34.17N 032-56.48E, 34-32.60N 032-56.20E,
34-32.67N 032-58.05E, 34-34.16N 032-57.63E.
 2. CANCEL THIS MSG 141500Z NOV 19.

(081750Z NOV 2019)

3450/19 thru 3453/19. CANCELED.

3454/19(54,56).

- EASTERN MEDITERRANEAN SEA.
CYPRUS-SOUTHWEST COAST.
DNC 10.
1. HAZARDOUS OPERATIONS 141000Z TO 141800Z NOV
IN AREA BOUND BY
34-21N 031-36E, 34-21N 032-06E,
33-56N 032-06E, 33-56N 031-36E.
 2. CANCEL THIS MSG 141900Z NOV 19.

(091242Z NOV 2019)

3455/19(54).

- AEGEAN SEA.
DNC 09.
1. MISSILE AND GUNNERY OPERATIONS SUNRISE TO
SUNSET DAILY 13 THRU 15 NOV IN AREA BOUND BY
35-36N 024-07E, 36-18N 024-07E,
36-18N 024-47E, 35-34N 025-08E,
35-31N 024-11E.
 2. CANCEL THIS MSG 16 NOV 19.

(091446Z NOV 2019)

3456/19 and 3457/19. CANCELED.

3458/19(24).

- WESTERN NORTH ATLANTIC.
BRAZIL-NORTH COAST.
DNC 01.
1. HAZARDOUS OPERATIONS 150900Z TO 151500Z NOV
IN AREA BOUND BY
01-00N 048-35W, 00-45N 048-35W,
00-45N 048-20W, 01-00N 048-20W.
 2. CANCEL THIS MSG 151600Z NOV 19.

(100534Z NOV 2019)

3459/19 thru 3461/19. CANCELED.

- 3462/19(54).
 AEGEAN SEA.
 DNC 09.
 1. GUNNERY EXERCISES 151000Z TO 151200Z NOV
 IN AREA BOUND BY
 37-45.50N 025-58.00E, 37-56.00N 026-37.67E,
 38-07.00N 026-26.00E, 38-00.00N 025-58.00E.
 2. CANCEL THIS MSG 151300Z NOV 19.
- (110907Z NOV 2019)
- 3463/19 and 3464/19. CANCELED.
- 3465/19(24).
 WESTERN SOUTH ATLANTIC.
 BRAZIL-SOUTHEAST COAST.
 DNC 01.
 1. DERELICT VESSEL ADRIFT IN VICINITY 23-16S 042-25W.
 REPORTS TO ANY COASTAL RADIO STATION.
 2. CANCEL THIS MSG 141017Z NOV 19.
- (111017Z NOV 2019)
- 3466/19. CANCELED.
- 3467/19(51).
 EASTERN NORHT ATLANTIC.
 MOROCCO.
 DNC 08.
 S/V LIBERTAS, WHITE HULL, THREE PERSONS ON BOARD, OVERDUE GIBRALTAR TO CANARY ISLAND. LAST KNOWN
 POSITION IN 34-41.1N 007-48.1W AT 101530Z.
 VESSELS IN VICINITY REQUESTED TO KEEP
 A SHARP LOOKOUT, ASSIST IF POSSIBLE.
 REPORTS TO MRCC RABAT,
 PHONE: 2125 3762 5877,
 FAX: 2125 3762 5017,
 E-MAIL: MRCC.RABAT@MPM.GOV.MA.
- (111433Z NOV 2019)
- 3468/19 and 3469/19. CANCELED.
- 3470/19(24).
 NORTH ATLANTIC.
 BRAZIL-SOUTH COAST.
 DNC 01.
 MAN OVERBOARD FROM VESSEL IN VICINITY
 01-06N 042-48W ON 11 NOV. VESSELS IN VICINITY
 REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF
 POSSIBLE. REPORTS TO ANY COASTAL RADIO STATION.
- (112325Z NOV 2019)
- 3471/19(24).
 WESTERN SOUTH ATLANTIC.
 BRAZIL-SOUTH COAST.
 DNC 01.
 1. ARAQUARI LIGHT 26-27-07S 048-35-45W UNLIT.
 2. CANCEL THIS MSG 09 MAY 20.
- (121011Z NOV 2019)
- 3472/19(54).
 EASTERN MEDITERRANEAN SEA.
 CYPRUS-SOUTH COAST.
 DNC 10.
 1. HAZARDOUS OPERATIONS 140600Z TO 141200Z NOV
 IN AREA BOUND BY
 34-52.92N 034-08.64E, 34-52.92N 034-14.67E,
 34-47.95N 034-14.67E, 34-47.95N 034-08.64E.
 2. CANCEL THIS MSG 141300Z NOV 19.
- (121209Z NOV 2019)
- 3473/19(29).
 WESTERN SOUTH ATLANTIC.
 SCOTIA SEA.
 WEDDELL SEA.
 DNC 01, DNC 29.
 1. ICEBERGS REPORTED IN:
 A. B16, 55-07S 031-05W.
 B. B15AA, 58-14S 034-54W.
 C. 55-22S 033-24W.
 D. 55-16S 032-17W.
 E. 54-33S 030-00W.
 F. 58-24S 039-45W.
 G. 63-33S 054-37W.
 H. 63-33S 054-51W.
 2. CANCEL THIS MSG 131456Z NOV 19.
- (121456Z NOV 2019)

- 3474/19(29).
WEDDELL SEA.
ANTARCTICA.
DNC 29.
1. ICEBERGS REPORTED IN:
A. A64, 69-44S 060-59W.
B. A68A, 64-54S 057-25W.
C. A68B, 64-38S 058-48W.
2. CANCEL THIS MSG 131519Z NOV 19. (121519Z NOV 2019)
- 3475/19(51).
GULF OF CADIZ.
SPAIN.
DNC 08.
1. MISSILE OPERATIONS 0800Z TO 1100Z AND
1500Z TO 2100Z DAILY 13 AND 14 NOV IN
AREA BOUND BY
37-05.95N 006-44.47W, 37-05.30N 006-40.75W,
36-56.83N 006-35.25W, 36-32.81N 006-33.84W,
36-35.10N 007-00.37W, 36-58.96N 006-52.34W.
2. CANCEL THIS MSG 142200Z NOV 19. (121706Z NOV 2019)
- 3476/19(51).
EASTERN NORTH ATLANTIC.
GULF OF CADIZ.
SPAIN.
DNC 08.
1. HAZARDOUS OPERATIONS 141900Z TO 142300Z AND
150700Z TO 152300Z IN AREA BOUND BY
36-26.0N 006-35.0W, 36-27.3N 006-32.9W,
35-58.8N 006-21.8W, 35-58.8N 006-41.0W.
2. CANCEL THIS MSG 160001Z NOV 19. (121717Z NOV 2019)
- 3477/19 and 3478/19. CANCELED.
- 3479/19(35).
NORTH SEA.
ORKNEY ISLANDS.
DNC 20.
AUSKERRY LIGHT 59-01.5N 002-34.3W UNRELIABLE. (130150Z NOV 2019)
- 3480/19(24).
WESTERN SOUTH ATLANTIC.
BRAZIL-NORTHEAST COAST.
DNC 01.
VESSEL, ONE PERSON ONBOARD, UNREPORTED. LAST KNOWN
POSITION IN 05-30.83S 035-10.33W ON 12 NOV.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO ANY COASTAL RADIO STATION. (131051Z NOV 2019)
- 3481/19(35).
NORTH MINCH.
SCOTLAND.
DNC 19.
1. CGOC STORNOWAY MF DSC AND R/T SERVICES AT
BUTT OF LEWIS SITE 58-27.7N 006-13.9W
UNRELIABLE.
2. CANCEL HYDROLANT 2997/19. (131116Z NOV 2019)

SECTION III

NM 47/19

NAVAREA XII

Messages in force 131145Z November 2019:

2017 series	2019 series	396(22)	477(21,22)	562(18)	572(18)
271(22)	120(21)	430(16.96)	483(22)	567(18)	573(18)
2018 series	334(22)	438(19)	537(18)	568(19)	
434(21)	355(21)	475(GEN)	539(22)	570(GEN)	

The summary of all NAVAREA XII messages in force as of 19 December 2018 is given in Section III of NM 52/18. Warnings issued during the subsequent quarters are issued in NM 13/19, 26/19 and 39/19.

NAVAREA XII WARNINGS issued from 061300Z to 131145Z November 2019.

565/19 and 566/19. CANCELED.

567/19(18).

EASTERN NORTH PACIFIC.
CALIFORNIA.

- HAZARDOUS OPERATIONS 121600Z TO 130130Z NOV,
ALTERNATE 131600Z TO 140130Z NOV IN AREA BOUND BY
33-48-15N 119-26-00W, 33-08-28N 120-13-22W,
33-15-31N 120-21-49W, 33-55-00N 119-34-53W,
33-55-00N 119-26-06W.
- CANCEL THIS MSG 140230Z NOV 19.

(071825Z NOV 2019)

568/19(19).

NORTH PACIFIC.
HAWAII.

- MISSILE OPERATIONS 132230Z TO 140300Z NOV,
ALTERNATE 2230Z TO 0300Z COMMENCING DAILY
14 AND 15 NOV IN AREA BOUND BY
22-03N 159-46W, 22-07N 159-44W,
22-37N 159-47W, 28-12N 162-48W,
28-50N 164-31W, 28-12N 165-27W,
26-26N 165-13W, 22-03N 159-52W.
- CANCEL THIS MSG 160400Z NOV 19.

(080902Z NOV 2019)

569/19. CANCELED.

570/19(GEN).

- NAVAREA XII WARNINGS IN FORCE AS OF 081503Z NOV 19:
569/19, 568/19, 567/19, 562/19, 539/19, 537/19,
526/19, 483/19, 477/19, 475/19, 438/19, 430/19,
396/19, 355/19, 334/19, 120/19,
434/18,
271/17.
- 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.
- CANCEL NAVAREA XII 554/19.

(081505Z NOV 2019)

571/19. CANCELED.

572/19(18).

EASTERN NORTH PACIFIC.
CALIFORNIA.

- HAZARDOUS OPERATIONS 132000Z TO 132359Z NOV
IN AREA WITHIN 15 MILES OF 34-35-10N 121-31-51W.
- CANCEL THIS MSG 140100Z NOV 19.

(081829Z NOV 2019)

573/19(18).

EASTERN NORTH PACIFIC.
CALIFORNIA.

- HAZARDOUS OPERATIONS 141500Z TO 152300Z NOV,
ALTERNATE 151500Z TO 152300Z NOV
IN AREA BOUND BY
33-40N 120-13W, 33-09N 119-38W,
32-46N 119-54W, 32-56N 120-44W.
- CANCEL THIS MSG 152359Z NOV 19.

(090332Z NOV 2019)

SECTION III

NM 47/19

HYDROPACS

Messages in force 131145Z November 2019:

2018 series	1392(93)	2812(74)	3513(74)	3600(63)	3690(63)
996(93)	1394(81)	2863(94)	3523(GEN)	3602(22)	3696(71)
1833(93)	1407(63)	2878(74)	3525(71)	3603(95)	3697(63)
2314(93)	1439(74)	2884(74)	3527(63)	3605(63)	3698(62)
3327(74)	1466(22)	2893(93)	3528(63)	3606(62,63)	3699(81)
3990(83)	1488(63)	2894(63)	3533(97)	3614(63)	3700(63)
4185(93)	1573(93)	2902(62)	3535(93)	3618(71,93)	3701(91)
2019 series	1739(61)	2988(22)	3537(63)	3620(96)	3702(74)
68(93)	1742(62)	2995(93)	3541(63)	3627(93)	3703(61)
106(93)	1778(63)	2996(93)	3546(63)	3629(93)	3704(61)
154(93)	1894(75)	3007(62)	3547(63)	3634(71)	3705(63)
169(83)	2041(93)	3135(62,63)	3549(63)	3644(63)	3706(61)
250(93)	2049(71)	3141(62)	3550(63)	3649(22)	3707(63)
303(63)	2069(74)	3151(96)	3552(63)	3651(74)	3712(96)
415(81)	2173(62)	3174(74)	3557(63)	3654(62)	3713(71)
559(93)	2223(93)	3192(93)	3558(63)	3656(63)	3715(62)
561(71)	2224(93)	3254(82)	3559(93)	3661(63)	3716(62)
584(71)	2231(63)	3278(61)	3560(18)	3662(93)	3717(63)
593(93)	2312(83)	3296(71)	3564(22)	3663(62)	3718(63)
641(81)	2343(93)	3329(62)	3566(83)	3667(93)	3721(83)
749(81)	2362(61)	3337(62)	3575(71)	3670(63)	3722(22)
750(81)	2443(61)	3343(63)	3579(63)	3671(22)	3724(22)
751(81)	2444(22)	3391(96)	3581(71)	3674(63)	3726(93)
765(61)	2474(81)	3392(97)	3584(63)	3675(GEN)	3728(63)
1006(75)	2543(61)	3396(93)	3585(63)	3676(63)	3729(97)
1022(61)	2582(74)	3406(63)	3589(63)	3679(95)	
1115(63)	2634(96)	3408(93)	3591(82)	3680(94,95)	
1145(74)	2698(75)	3425(93)	3596(96)	3682(63)	
1308(62)	2718(62)	3478(96)	3599(63)	3685(92,93)	

The summary of all HYDROPACS in force as of 19 December 2018 is given in Section III of NM 52/18. Warnings issued during the subsequent quarters are issued in NM 13/19, 26/19 and 39/19.

HYDROPAC WARNINGS issued from 061300Z to 131145Z November 2019.

3661/19(63).

BAY OF BENGAL.

INDIA.

DNC 03.

1. SURVEY OPERATIONS IN PROGRESS UNTIL 251830Z DEC

BY M/V INS NIRUPAK IN AREAS BOUND BY:

A. 17-21.04N 082-42.89E, 17-33.69N 083-09.7E,

17-27.68N 083-09.70E, 17-27.57N 083-43.37E,

17-17.06N 083-43.07E, 17-16.98N 083-34.84E.

B. 17-27.57N 082-43.37E, 17-47.94N 083-33.4E,

17-54.77N 083-33.64E, 17-54.77N 083-28.10E,

18-08.13N 083-45.62E, 18-08.21N 084-07.99E,

17-58.19N 084-07.99E, 17-48.17N 083-42.92E.

WIDE BERTH REQUESTED.

2. CANCEL THIS MSG 251930Z DEC 19.

(061548Z NOV 2019)

3662/19(93).

SOUTH CHINA SEA.

VIETNAM.

DNC 11.

DANGEROUS WRECK IN 14-49N 109-01E.

(061609Z NOV 2019)

3663/19(62).

PERSIAN GULF.

BAHRAIN.

DNC 10.

SURVEY OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE

BY M/V SEA LANDER AND M/V FAST XII

IN AREA BOUND BY

26-09.77N 050-39.71E, 26-10.06N 050-39.96E,

26-09.91N 050-40.36E, 26-09.73N 050-40.48E,

26-09.63N 050-39.84E.

WIDE BERTH REQUESTED.

(061844Z NOV 2019)

3664/19 thru 3666/19. CANCELED.

3667/19(93).
 SOUTH CHINA SEA.
 VIETNAM.
 DNC 11.
 TWO PERSONS MISSING FROM AGROUND F/V DN 1004.
 LAST KNOWN POSITION IN 10-29.7N 107-38.7E AT
 261754Z OCT. 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.

(070340Z NOV 2019)

3668/19 and 3669/19. CANCELED.

3670/19(63).
 ARABIAN SEA.
 INDIA.
 DNC 03.
 NAVTEX STATION VERAVAL (H) 20-54N 070-23E INOPERATIVE.

(071337Z NOV 2019)

3671/19(22).
 EASTERN SOUTH PACIFIC.
 PERU.
 DNC 07.
 1. HAZARDOUS OPERATIONS 120500Z TO 150500Z NOV
 IN AREA BOUND BY
 17-36-22S 071-22-00W, 17-38-22S 071-21-28W,
 17-38-22S 071-20-35W, 17-36-22S 071-20-56W.
 2. CANCEL THIS MSG 150600Z NOV 19.

(080158Z NOV 2019)

3672/19 and 3673/19. CANCELED.

3674/19(63).
 GULF OF KHAMBHAT.
 INDIA.
 DNC 03.
 1. SURVEY OPERATIONS IN PROGRESS UNTIL 15 MAY BY
 M/V COASTAL AURA TOWING 150 METER LONG CABLE
 IN AREA BOUND BY
 20-44.77N 071-55.57E, 20-37.75N 072-04.07E,
 20-36.05N 072-02.17E, 20-36.01N 072-02.16E,
 20-36.02N 072-02.23E, 20-34.58N 072-00.14E,
 20-32.77N 071-58.48E.
 WIDE BERTH REQUESTED.
 2. CANCEL THIS MSG 16 MAY 20.

(081351Z NOV 2019)

3675/19(GEN).
 1. HYDROPAC WARNINGS IN FORCE AS OF 081433Z NOV 19.
 ONLY THOSE WARNINGS ISSUED DURING THE LAST SIX WEEKS
 ARE LISTED HEREIN.
 3674/19, 3673/19, 3671/19, 3670/19, 3669/19, 3668/19,
 3667/19, 3664/19, 3663/19, 3662/19, 3661/19, 3660/19,
 3659/19, 3657/19, 3656/19, 3655/19, 3654/19, 3651/19,
 3649/19, 3647/19, 3645/19, 3644/19, 3635/19, 3634/19,
 3633/19, 3629/19, 3627/19, 3625/19, 3620/19, 3618/19,
 3614/19, 3606/19, 3605/19, 3603/19, 3602/19, 3600/19,
 3599/19, 3596/19, 3592/19, 3591/19, 3589/19, 3585/19,
 3584/19, 3581/19, 3579/19, 3575/19, 3574/19, 3566/19,
 3564/19, 3560/19, 3559/19, 3558/19, 3557/19, 3552/19,
 3550/19, 3549/19, 3547/19, 3546/19, 3541/19, 3537/19,
 3535/19, 3533/19, 3528/19, 3527/19, 3525/19, 3523/19,
 3513/19, 3486/19, 3483/19, 3478/19, 3425/19, 3415/19,
 3408/19, 3406/19, 3396/19, 3392/19, 3391/19, 3343/19,
 3337/19, 3329/19, 3296/19, 3278/19, 3254/19, 3192/19.
 2. THE SUMMARY OF ALL HYDROPAC WARNINGS IN FORCE AS OF
 29 DEC 2018 IS GIVEN IN SEC III OF NTM 52/18.
 WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE
 SUMMARIZED IN NTM 13/19, 26/19 AND 39/19.
 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 3445/19, 3450/19, 3461/19, 3465/19,
 3469/19, 3476/19, 3492/19, 3493/19, 3500/19, 3503/19,
 3505/19, 3508/19, 3509/19, 3512/19, 3515/19, 3613/19.

(081443Z NOV 2019)

3676/19(63).

BAY OF BENGAL.
ANDAMAN SEA.
NICOBAR ISLANDS.
DNC 03.

1. SURVEY OPERATIONS IN PROGRESS UNTIL 30 NOV BY
M/V SAGAR IN AREA BOUND BY
08-40.63N 091-39.48E, 09-29.50N 091-40.01E,
09-30.03N 092-04.58E, 10-15.65N 092-04.31E,
10-14.85N 092-11.33E, 10-23.21N 092-24.03E,
10-12.41N 092-39.15E, 10-13.76N 092-43.73E,
09-45.70N 092-45.61E, 09-39.75N 092-38.33E,
09-32.46N 092-35.63E, 09-25.45N 092-35.90E,
09-14.65N 092-36.71E, 09-10.33N 092-37.80E,
09-04.38N 092-33.46E, 09-00.06N 092-29.15E,
08-55.48N 092-29.15E, 08-53.86N 092-33.46E,
08-55.75N 092-37.80E, 08-52.78N 092-42.91E,
08-40.63N 092-43.20E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 01 DEC 19.

(081553Z NOV 2019)

3677/19 and 3678/19. CANCELED.

3679/19(95).

YELLOW SEA.
DNC 23.

1. GUNNERY EXERCISES 102300Z TO 110900Z
120400Z TO 120900Z AND 0700Z TO 1100Z DAILY
13 AND 14 NOV IN AREA BOUND BY
37-25N 124-43E, 37-30N 124-43E,
37-30N 124-50E, 37-25N 124-50E.
2. CANCEL THIS MSG 141200Z NOV 19.

(090035Z NOV 2019)

3680/19(94,95).

YELLOW SEA.
DNC 23.

1. GUNNERY EXERCISES 102300Z TO 111200Z,
120400Z TO 120900Z, 122300Z TO 131200Z AND
140400Z TO 140800Z NOV IN AREA BOUND BY
37-44-55N 124-05-10E 37-44-55N 124-36-40E
37-30-10N 124-36-40E 37-30-14N 124-05-10E.
2. CANCEL THIS MSG 140900Z NOV 19.

(090046Z NOV 2019)

3681/19. CANCELED.

3682/19(63).

ARABIAN SEA.
INDIA.
DNC 03.

1. HAZARDOUS OPERATIONS 140130Z TO 171730Z NOV
IN AREA BOUND BY
13-39.0N 071-29.0E, 17-07.0N 072-40.0E,
18-28.0N 069-43.4E, 15-50.0N 068-05.3E.
2. CANCEL THIS MSG 171830Z NOV 19.

(090323Z NOV 2019)

3683/19 and 3684/19. CANCELED.

3685/19(92,93).

SOUTH CHINA SEA.
DNC 11.

- F/V BD 96303 TS, SIX PERSONS ON BOARD,
DISABLED AND ADRIFT DUE TO ENGINE TROUBLE
IN 12-00N 117-50E AT 090100Z NOV.
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.

(090840Z NOV 2019)

3686/19 thru 3689/19. CANCELED.

3690/19(63).

ARABIAN SEA.
 DNC 03.
 VESSEL JAMES EDISON, DISABLED AND ADRIFT DUE TO
 ENGINE FAILURE IN 12-15N 064-20E.
 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.

(091634Z NOV 2019)

3691/19 thru 3695/19. CANCELED.

3696/19(71).

SINGAPORE STRAIT.
 INDONESIA.
 DNC 03.
 DISTRESS SIGNAL RECEIVED IN 01-14.9N 104-21.6E
 AT 100916Z NOV.
 VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
 LOOKOUT, ASSIST IF POSSIBLE.
 REPORTS TO SINGAPORE PORT OPERATIONS CONTROL CENTER,
 TELEX: 20021,
 PHONE: 656 226 5539,
 FAX: 656 227 9971,
 E-MAIL: POCC@MPA.GOV.SG.

(101116Z NOV 2019)

3697/19(63).

ARABIAN SEA.
 INDIA.
 DNC 03.
 1. HAZARDOUS OPERATIONS, ROCKET LAUNCHING
 140900Z TO 141100Z NOV 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 141200Z NOV 19.

(101504Z NOV 2019)

3698/19(62).

PERSIAN GULF.
 U.A.E.
 DNC 10.
 1. SURVEY OPERATIONS 11 THRU 17 NOV
 IN AREAS BOUND BY:
 A. 24-40.43N 051-55.07E, 24-40.43N 051-57.96E,
 24-42.59N 051-57.96E, 24-42.59N 052-14.89E,
 24-34.97N 052-14.89E, 24-34.97N 051-57.96E,
 24-37.13N 051-57.96E, 24-37.13N 051-55.07E.
 B. 24-59.64N 052-20.43E, 25-59.46N 052-38.58E,
 24-52.70N 052-38.49E, 24-52.86N 052-20.35E.
 C. 24-57.20N 052-53.01E, 24-57.13N 052-58.33E,
 24-53.98N 053-01.84E, 24-47.35N 053-01.73E,
 24-44.30N 052-58.13E, 24-44.36N 052-52.82E,
 24-47.51N 052-49.31E, 24-54.14N 052-49.41E.
 WIDE BERTH REQUESTED.
 2. CANCEL THIS MSG 18 NOV 19.

(101521Z NOV 2019)

3699/19(81).

WESTERN NORTH PACIFIC.
 DNC 12.
 1. VESSEL KORYOU MARU NO 75 DISABLED AND ADRIFT
 IN 08-41N 147-11E. VESSELS IN VICINITY
 REQUESTED TO KEEP A SHARP LOOKOUT,
 ASSIST IF POSSIBLE.
 REPORTS TO COMCOGARD SECTOR GUAM,
 PHONE: 671 355 4824,
 E-MAIL: RCCGUAM@USCG.MIL.
 2. CANCEL HYDROPAC 3686/19.

(101751Z NOV 2019)

- 3700/19(63).
 ARABIAN SEA.
 INDIA.
 DNC 03.
 DISTRESS SIGNAL RECEIVED FROM F/V NIVYA NIVEDITHA II
 IN 12-21.06N 074-56.50E AT 101830Z 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: MRCC-WEST@INDIANCOASTGUARD.NIC.IN.
- (102209Z NOV 2019)
- 3701/19(91).
 SOUTH CHINA SEA.
 DNC 23.
 1. CABLE OPERATIONS 11 TO 21 NOV
 BY CABLESHIP LODBROG IN AREA WITHIN SIX
 MILES OF 18-10.7N 119-17.1E.
 WIDE BERTH REQUESTED.
 2. CANCEL THIS MSG 22 NOV 19.
- (110141Z NOV 2019)
- 3702/19(74).
 TIMOR SEA.
 AUSTRALIA-NORTHWEST COAST.
 DNC 04.
 1. FISHING NET ADRIFT IN VICINITY
 12-42.2S 125-49.1E AT 110530Z NOV.
 2. CANCEL THIS MSG 140741Z NOV 19.
- (110741Z NOV 2019)
- 3703/19(61).
 WESTERN INDIAN OCEAN.
 DNC 02.
 1. PARTIALLY SUBMERGED WRECK ADRIFT IN
 26-21.10S 048-31.49E.
 2. CANCEL HYDROPAC 3695/19.
 3. CANCEL THIS MSG 141021Z NOV 19.
- (111021Z NOV 2019)
- 3704/19(61).
 SOUTHWESTERN INDIAN OCEAN.
 DNC 02.
 1. TEN METER OBSTRUCTION ADRIFT IN VICINITY
 30-13.00S 047-12.46E.
 REPORTS TO MRCC CAPE TOWN,
 PHONE: 272 1938 3300,
 E-MAIL: MRCC.CT@SAMSA.ORG.ZA,
 MARITIMERADIO@IXMAIL.CO.ZA.
 2. CANCEL THIS MSG 141026Z NOV 19.
- (111140Z NOV 2019)
- 3705/19(63).
 GULF OF KHAMBHAT.
 INDIA.
 DNC 03.
 1. HAZARDOUS OPERATIONS 0330Z TO 1130Z
 15, 18 AND 19 NOV IN AREA BOUND BY
 20-18.5N 072-02.5E, 20-18.5N 072-15.0E,
 20-09.5N 072-12.0E, 20-09.5N 072-00.0E.
 2. CANCEL THIS MSG 191230Z NOV 19.
- (111440Z NOV 2019)
- 3706/19(61).
 WESTERN INDIAN OCEAN.
 MADAGASCAR.
 DNC 02.
 1. DERELICT M/V YARROWONGA, RED AND WHITE HULL,
 PARTIALLY SUBMERGED AND ADRIFT IN VICINITY
 23-10.64S 051-02.46E AT 111140Z NOV. VESSELS
 IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT.
 REPORTS TO JRCC MADAGASCAR,
 E-MAIL: jrccmad@moov.mg.
 2. CANCEL THIS MSG 141150Z NOV 19.
- (111502Z NOV 2019)

3707/19(63).

ARABIAN SEA.
INDIA.
DNC 03.
DISTRESS SIGNAL RECEIVED FROM F/V SHRI GANGESHWAR,
BLUE AND YELLOW HULL, SIX PERSONS ON BOARD
IN 19-15.00N 071-52.23E. 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.

(111520Z NOV 2019)

3708/19 thru 3711/19. CANCELED.

3712/19(96).

SEA OF JAPAN.
RUSSIA.
DNC 24.
1. DERELICT F/V, PARTIALLY SUBMERGED AND ADRIFT
IN VICINITY 43-30.9N 135-59.5E AT 120438Z NOV.
REPORTS TO MRCC VLADIVOSTOK,
PHONE: 742 3249 5522, FAX: 742 3249 5895,
E-MAIL: VLDVMRCC@VLD.PMA.RU.
2. CANCEL THIS MSG 150809Z NOV 19.

(120809Z NOV 2019)

3713/19(71).

EASTERN INDIAN OCEAN.
DNC 04.
1. DERELICT VESSEL ADRIFT IN 08-24S 105-04E
AT 120400Z NOV.
2. CANCEL HYDROPAC 3693/19.
3. CANCEL THIS MSG 151035Z NOV 19.

(121035Z NOV 2019)

3714/19. CANCELED.

3715/19(62).

PERSIAN GULF.
U.A.E.
DNC 10.
1. SURVEY OPERATIONS IN PROGRESS UNTIL FURTHER
NOTICE BY M/V SHARIEF SUPPORTER AND
M/V SEP GULF GIANT IN AREA BOUND BY
24-27.22N 053-22.38E, 24-27.52N 053-22.53E,
24-27.31N 053-23.01E, 24-26.31N 053-23.17E,
24-25.09N 053-22.54E, 24-24.18N 053-22.07E,
24-24.00N 053-22.27E, 24-23.11N 053-23.17E,
24-22.88N 053-23.01E, 24-23.33N 053-21.77E,
24-23.99N 053-21.19E, 24-24.93N 053-21.43E,
24-26.37N 053-22.27E, 24-26.93N 053-22.23E.
ONE MILE BERTH REQUESTED.
2. CANCEL HYDROPAC 3486/19.

(121630Z NOV 2019)

3716/19(62).

PERSIAN GULF.
U.A.E.
DNC 10.
SURVEY OPERATIONS IN PROGRESS UNTIL FURTHER
NOTICE IN:
A. 24-53.58N 053-03.30E.
B. 24-53.61N 053-03.23E.
C. 24-58.77N 052-57.34E.
D. 24-58.57N 052-57.17E.
E. 24-58.46N 052-57.11E.
F. 25-00.09N 052-57.08E.
ONE MILE BERTH REQUESTED.

(121655Z NOV 2019)

3717/19(63).

BAY OF BENGAL.
INDIA.
DNC 03.
1. 19 CONTAINERS AND ONE LARGE IRON PLATE ADRIFT
IN AREA WITHIN 90 MILES OF 20-18-58N 86-36-36E
BETWEEN 115 DEGREES AND 192 DEGREES.
2. CANCEL THIS MSG 152008Z NOV 19.

(122008Z NOV 2019)

- 3718/19(63).
ARABIAN SEA.
INDIA.
DNC 03.
1. F/V CAPSIZED AND ADRIFT IN 19-55.5N 070-16.8E
AT 120400Z NOV.
2. CANCEL THIS MSG 152028Z NOV 19.
(122028Z NOV 2019)
- 3719/19 and 3720/19. CANCELED.
- 3721/19(83).
EASTERN SOUTH PACIFIC.
DNC 06.
42 METER F/V ZHONG YANG 16, DISABLED AND ADRIFT
DUE TO ENGINE FAILURE IN VICINITY 19-00S 133-00W.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO JRCC TAHITI,
INMARSAT-C: 422799192,
PHONE: 689 4054 1616,
FAX: 689 4042 3915,
E-MAIL: CONTACT@JRCC.PF.
(130159Z NOV 2019)
- 3722/19(22).
EASTERN SOUTH PACIFIC.
CHILE.
DNC 07.
1. CABLE OPERATIONS 131200Z TO 201200Z NOV BY
CABLESHIP IT INTREPID IN AREA BOUND BY
18-26.94S 070-18.17W, 18-25.35S 070-21.52W,
18-25.35S 070-24.83W, 18-34.10S 070-40.57W,
19-36.19S 070-48.60W, 20-14.45S 070-25.49W,
20-16.92S 070-16.87W, 20-16.75S 070-07.90W.
TWO MILE BERTH REQUESTED.
2. CANCEL THIS MSG 201300Z NOV 19.
(130216Z NOV 2019)
- 3723/19. CANCELED.
- 3724/19(22).
EASTERN NORTH PACIFIC.
DNC 13.
DISTRESS SIGNAL RECEIVED ON 406 MHZ IN
01-36.8N 112-03.0W. 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.
(130408Z NOV 2019)
- 3725/19. CANCELED.
- 3726/19(93).
GULF OF TONKIN.
VIETNAM.
DNC 23.
F/V, ONE PERSON ON BOARD, UNREPORTED. LAST KNOWN
POSITION IN 19-11N 105-46E AT 121900Z NOV.
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.
(130639Z NOV 2019)
- 3727/19. CANCELED.
- 3728/19(63).
BAY OF BENGAL.
INDIA.
DNC 03.
1. HAZARDOUS OPERATIONS 1300Z TO 1600Z
16 AND 17 NOV IN AREA BOUND BY
20-48.34N 087-02.61E, 18-12.34N 086-07.14E,
11-43.82N 086-36.37E, 11-56.35N 089-08.75E,
18-24.14N 088-30.47E, 20-48.74N 087-07.43E.
2. CANCEL THIS MSG 171700Z NOV 19.
(131128Z NOV 2019)

3729/19(97).

WESTERN NORTH PACIFIC.

PHILIPPINE SEA.

JAPAN.

DNC 12.

1. CABLE OPERATIONS 140001Z NOV UNTIL FURTHER
NOTICE BY M/V ANIEK IN AREA BOUND BY

26-13N 141-42E, 26-03N 141-46E,

26-53N 144-39E, 27-33N 145-09E,

27-40N 144-59E, 27-11N 144-29E.

WIDE BERTH REQUESTED.

2. CANCEL HYDROPAC 3660/19.

(131146Z NOV 2019)

SECTION III

NM 47/19

HYDROARCS

Messages in force 131145Z November 2019:

2019 series	201(42)	278(42)	280(GEN)	282(41)
164(15)	252(16)	279(42)	281(38)	

The summary of all HYDROARCS messages in force as of 19 December 2018 is given in Section III of NM 52/18. Warnings issued during the subsequent quarters are issued in NM 13/19, 26/19 and 39/19.

HYDROARCS WARNINGS issued from 061300Z to 131145Z November 2019.

278/19(42).

BARENTS SEA.

RUSSIA.

DNC 22.

1. MISSILE OPERATIONS 0300Z TO 1900Z DAILY

12 THRU 15 NOV IN AREA BOUND BY

69-58.0N 033-38.0E, 69-58.0N 034-48.0E,

69-34.5N 034-48.0E, 69-34.5N 033-38.0E.

2. CANCEL THIS MSG 152000Z NOV 19.

(070751Z NOV 2019)

279/19(42).

BARENTS SEA.

DNC 22.

UNDERWATER OPERATIONS 08 NOV UNTIL FURTHER NOTICE

BY M/V SPASATEL KAREV IN AREA BOUND BY

73-30N 043-30E, 73-30N 045-00E,

73-00N 045-00E, 73-00N 044-30E,

72-45N 044-30E, 72-45N 043-30E.

ONE MILE BERTH REQUESTED.

(071134Z NOV 2019)

280/19(GEN).

1. HYDROARC WARNINGS IN FORCE AS OF 081419Z NOV 19:

279/19, 278/19, 271/19, 252/19, 207/19, 201/19,

164/19.

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 273/19.

(081424Z NOV 2019)

281/19(38).

ARCTIC.

LAPTEV SEA.

RUSSIA.

DNC 22, DNC 27

1. HAZARDOUS OPERATIONS, ROCKET LAUNCHING

150300Z TO 150400Z NOV 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 150500Z NOV 19.

(100527Z NOV 2019)

282/19(41).

LAPTEV SEA.

RUSSIA.

DNC 27.

1. ICEBERG REPORTED IN VICINITY

77-23.3N 117-41.7E ON 110921Z NOV.

2. CANCEL THIS MSG 141744Z NOV 19.

(111744Z NOV 2019)

283/19. CANCELED.

MARINE INFORMATION**NGA/DLIS CATALOG OF MAPS, CHARTS AND RELATED PRODUCTS**

The forty-ninth edition of the NGA/DLIS Catalog of Maps, Charts and Related Products (Limited Distribution), dated October 2019, is now available on CD. The Limited Distribution gray CD is reserved for military and government agencies which possess access to limited distribution data. The disk is Navy/Marine Corps Intranet (NMCI) compatible. New editions will no longer be issued on a set schedule but on an “as needed” basis.

DNC ISSUE WITH MISSING DATA

NGA has discovered that all DNC data in certain DQY areas will not display in VMS versions 9.3, 9.4, and 9.5. The following libraries have been identified having navigationally significant missing DQY areas:

LIBRARY	CENTER
COA05F	09°40' S 149°00' E

Libraries will be corrected over the next few months. In areas where the DQY area does not display, the general library for the region will display instead. Caution should be exercised.

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

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

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

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

Bilateral charts will contain references to host nation charts and publications, and may use symbology not yet found in US Chart No. 1. In most cases, NGA will not attempt to change these references to the equivalent US charts, publications or symbology. However, it should be noted that relevant maritime information referenced in a foreign publication can also usually be found within Sailing Directions, Notice to Mariners No. 1 (Special Paragraphs), List of Lights, Radio Navigational Aids, or Chart No. 1.

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

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

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

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

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

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

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

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

UK Sales Agents: http://www.ukho.gov.uk/list_of_agents.html

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

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

<i>Former US Chart No.</i>	<i>Current US Chart No.</i>	<i>Foreign Chart No.</i>	<i>Originally Announced in NtM</i>	<i>Later Edition</i>
14002	14ACO14000	Can. 4023	23/04	
14005	14ACO14001	Can. 4012	23/04	
14006	14ACO14334	Can. 4016	9/09	
14009	14ACO14004	Can. 4015	23/04	
14009	14ACO14011	Can. 4047	23/04	
14009	14ACO14012	Can. 4002	29/04	52/16
14009	14ACO14013	Can. 4013	29/04	
14009	14ACO14015	Can. 4045	29/04	
14014	14ACO14013	Can. 4013	29/04	
14040	14ACO14016	Can. 4010	29/04	
14041	14XHA14019	Can. 4011	29/04	
14083	14AHA14036	Can. 4320	45/05	34/07
14088	14AHA14047	Can. 4201	46/05	
14089	14AHA14048	Can. 4202	39/06	41/16
14090	14AHA14049	Can. 4237	6/05	
14091	14AHA14050	Can. 4203	48/06	
14115	14XCO14058	Can. 4227	29/04	
14144	14XHA14143	Can. 4950	38/03	15/15
14190	14ACO14096	Can. 4905	6/09	
14202	14XHA14193	Can. 1432	38/03	3/16
14202	14XHA14195	Can. 1431	42/03	52/15
14203	14XHA14195	Can. 1431	42/03	52/15
14221	14XHA14209	Can. 1311	32/08	15/15
14221	14XHA14211	Can. 1312	40/03	15/15
14222	14XHA14211	Can. 1312	40/03	15/15
14227	14XHA14215	Can. 1316	39/03	38/12
14240	14XHA14217	Can. 1236	43/03	15/15
14241	14XHA14218	Can. 1233	39/03	14/15
14253	14ACO14004	Can. 4015	23/04	
14340	14ACO14334	Can. 4016	9/09	
14342	14BCO14336	Can. 4626	11/10	
14360	14ACO14348	Can. 4017	12/10	
14364	14AHA14359	Can. 4846	25/09	

SECTION III

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<i>Former US Chart No.</i>	<i>Current US Chart No.</i>	<i>Foreign Chart No.</i>	<i>Originally Announced in NtM</i>	<i>Later Edition</i>
14415	14ACO14377	Can. 4020	12/10	
15008	15ACO15001	Can. 4730	12/10	
15011	15ACO15002	Can. 7050	16/08	
15017	15ACO15003	Can. 5450	33/07	
15018	15ACO15004	Can. 4700	12/10	
15020	15ACO15005	Can. 7011	12/10	
15041	15ACO15007	Can. 4731	41/08	
15061	15ACO15014	Can. 4732	42/08	
15120	15ACO15030	Can. 4775	31/07	
15140	15ACO15031	Can. 4776	12/10	
15160	15ACO15032	Can. 5300	34/08	
15312	15ACO15035	Can. 5400	6/09	
15670	15XCO15672	Can. 7570	44/09	
17008	17ACO17007	Can. 3002	40/08	
17005	17ACO17010	Can. 3001	41/14	
17413	17ACO17411	Can. 3802	42/08	
17414	17BCO17415	Can. 3854	42/08	
17416	17BCO17417	Can. 3853	41/08	
17438	17BHA17440	Can. 3956	12/10	50/17
17441	17BHA17442	Can. 3927	12/07	
17444	17XHA17448	Can. 3955	32/08	15/15
17445	17BHA17439	Can. 3957	12/10	49/17
17480	17ACO17454	Can. 3744	12/10	
17486	17XCO17458	Can. 3727	13/09	
17489	17XHA17488	Can. 3598	12/10	49/17
17495	17ACO17493	Can. 3605	6/07	
17513	17XHA17497	Can. 3539	8/05	1/08
17515	17XHA17496	Can. 3513	6/09	
17517	17XHA17498	Can. 3512	44/09	
17518	17BHA17499	Can. 3463	31/07	
17543	17ACO17501	Can. 3604	1/08	
17546	17XCO17510	Can. 3603	31/10	
17548	17BCO17511	Can. 3671	31/07	
17550	17ACO17514	Can. 3602	24/07	
18401	18BHA18404	Can. 3459	42/08	44/10
18405	18BHA18426	Can. 3493	25/07	49/11
18406	18BHA18435	Can. 3481	23/07	36/12
18407	18BHA18436	Can. 3494	12/07	15/15
18408	18BHA18437	Can. 3495	42/08	15/15
18413	18BHA18442	Can. 3442	31/07	
18415	18BHA18461	Can. 3441	24/07	
18416	18AHA18462	Can. 3440	24/07	
18418	18AHA18466	Can. 3419	24/07	15/15
18419	18BHA18469	Can. 3412	44/15	
18420	18BHA18467	Can. 3479	12/07	16/08
35009	35ACO35002	UK 266	19/04	10/16
35009	35ACO35003	UK 268	19/04	
35009	35ACO35004	UK 273	19/04	
35009	35ACO35005	UK 278	23/04	4/07
35009	35ACO35006	UK 1191	24/04	8/13
35009	35ACO35010	UK 1192	28/04	5/16
35009	35ACO35013	UK 1409	23/04	35/13
35009	35ACO35014	UK 1407	23/04	33/09
35016	35ACO35015	UK 2635	26/06	9/16
35022	35ACO35017	UK 1128	16/08	10/16

<i>Former US Chart No.</i>	<i>Current US Chart No.</i>	<i>Foreign Chart No.</i>	<i>Originally Announced in NtM</i>	<i>Later Edition</i>
35023	35ACO35018	UK 1129	37/07	10/16
35031	35ACO35019	UK 1127	4/06	10/16
35032	35ACO35020	UK 1125	7/07	
35036	35ACO35024	UK1123	3/07	28/17
35040	35ACO35006	UK 1191	24/04	8/06
35060	35ACO35010	UK 1192	28/04	
35080	35ACO35014	UK 1407	23/04	33/09
35081	35BHA35035	UK 734	28/04	23/14
35082	35BHA35037	UK 735	31/04	52/15
35086	35BHA35048	UK 736	32/04	27/17
35100	35ACO35013	UK 1409	23/04	49/04
35101	35BHA35052	UK 223	33/04	3/12
35120	35ACO35055	UK 115	23/04	47/17
35130	35ACO35056	UK 1942	12/06	35/13
35135	35ACO35057	UK 2249	27/07	5/16
35136	35ACO35058	UK 2250	27/07	39/10
35141	35ACO35059	UK 2162	21/07	27/17
35150	35ACO35063	UK 1119	27/07	11/13
35155	35ACO35064	UK 1234	27/07	5/16
35159	35ACO35065	UK 3271	30/07	53/16
35160	35ACO35066	UK 1233	27/07	11/13
35163	35ACO35067	UK 3272	27/07	3/16
35166	35ACO35068	UK 3283	27/07	14/16
35169	35ACO35071	UK 3281	29/07	25/13
35170	35ACO35072	UK 3282	30/07	25/13
35200	35ACO35001	UK 1954	28/04	27/16
35205	35ACO35073	UK 2720	27/07	10/13
35210	35ACO35074	UK 1785	27/07	14/16
35220	35ACO35075	UK 2721	37/07	32/17
35230	35ACO35078	UK 1794	24/07	45/18
35236	35AHA35079	UK 2207	28/07	39/10
35237	35AHA35089	UK 2208	30/07	25/13
35239	35AHA35090	UK 2210	28/07	6/17
35243	35BHA35091	UK 3146	37/07	27/16
35246	35ACO35092	UK 1795	21/07	27/17
35247	35AHA35093	UK 1796	28/07	39/10
35248	35BHA35094	UK 2209	38/07	6/17
35250	35BHA35095	UK 2540	29/07	17/13
35255	35AHA35096	UK 2171	30/07	28/17
35256	35AHA35097	UK 2390	24/07	35/13
35260	35ACO35104	UK 2722	27/07	26/16
35265	35ACO35106	UK 1778	27/07	53/16
35270	35AHA35109	UK 2169	29/07	24/14
35272	35ACO35110	UK 1770	12/07	27/16
35277	35BHA35113	UK 2326	22/06	13/16
35278	35BHA35114	UK 2343	4/06	15/16
35279	35BHA35115	UK 2397	29/06	23/14
35295	35BHA35116	UK 2481	22/06	23/14
35296	35BHA35117	UK 2396	25/06	15/16
35298	35BHA35118	UK 2168	7/07	47/17
35299	35ACO35119	UK 2724	26/06	5/07
35300	35ACO35121	UK 2723	18/06	13/16
35302	35ACO35123	UK 2798	46/05	22/14
35307	35ACO35126	UK 2199	5/06	44/18
35308	35ACO35127	UK 2198	25/06	1/19

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<i>Former US Chart No.</i>	<i>Current US Chart No.</i>	<i>Foreign Chart No.</i>	<i>Originally Announced in NtM</i>	<i>Later Edition</i>
35310	35ACO35128	UK 2725	27/06	6/17
35350	35ACO35131	UK 2173	12/07	28/17
35380	35ACO35138	UK 2254	30/06	28/17
35390	35ACO35139	UK 2423	22/06	27/17
35400	35ACO35140	UK 2424	5/06	28/17
35420	35ACO35147	UK 2049	18/06	10/13
35421	35AHA35148	UK 1777	46/05	6/17
35423	35AHA35149	UK 1773	46/05	
35424	35AHA35151	UK 1765	46/05	27/17
35011	35XCO35172	UK 219	8/08	17/13
36010	36ACO36000	UK 1121	26/06	28/17
36015	36ACO36001	UK 2649	47/05	28/17
36040	36ACO36002	UK 1410	47/05	47/17
36060	36ACO36006	UK 1141	12/07	53/16
36061	36BHA36007	UK 1468	20/07	6/17
36062	36BHA36008	UK 1415	4/06	44/12
36063	36BHA36009	UK 1447	12/07	9/13
36081	36BHA36011	UK 1753	7/07	34/14
36098	36AHA36012	UK 2221	47/05	53/16
36103	36BHA36014	UK 2126	9/07	39/17
36104	36BHA36016	UK 2220	6/07	
36106	36BHA36017	UK 2131	47/05	6/17
36108	36BHA36018	UK 2000	4/06	1/19
36110	36BHA36019	UK 2007	8/06	18/11
36115	36BHA36020	UK 1994	3/07	21/14
36116	36AHA36021	UK 1867	23/05	26/10
36117	36BHA36022	UK 1907	11/07	13/16
36118	36BHA36023	UK 2383	25/06	27/16
36119	36BHA36024	UK 2491	4/06	53/16
36120	36ACO36025	UK 1826	13/07	39/17
36127	36BHA36030	UK 3746	32/06	39/17
36128	36BHA36030	UK 3746	32/06	39/17
36137	36AHA36032	UK 1478	39/04	39/17
36138	36AHA36033	UK 3275	39/04	13/16
36139	36BHA36034	UK 3274	39/04	35/13
36140	36ACO36035	UK 1178	39/04	10/13
36141	36BHA36036	UK 2878	41/04	37/13
36161	36BHA36039	UK 1152	52/04	29/16
36163	36BHA36042	UK 1176	1/05	45/18
36165	36BHA36044	UK 1165	17/05	13/16
36180	36ACO36049	UK 2565	27/05	9/13
37043	37AHA37003	UK 1267	15/06	9/19
37044	37AHA37004	UK 30	25/05	6/17
37045	37AHA37006	UK 1901	25/05	5/17
37046	37AHA37007	UK 1613	34/05	47/17
37047	37XHA37008	UK 1902	25/05	5/17
37060	36ACO36050	UK 442	25/05	28/17
37075	37ACO37015	UK 2454	25/08	1/12
37079	37AHA37016	UK 2625	32/05	38/17
37081	37AHA37017	UK 2045	32/05	9/19
37083	37AHA37019	UK 2037	25/05	39/17
37084	37AHA37020	UK 2036	5/06	43/17
37086	37AHA37021	UK 2631	31/05	39/17
37088	37BHA37022	UK 2041	2/16	39/17
37122	37AHA37028	UK 1828	19/05	6/17

<i>Former US Chart No.</i>	<i>Current US Chart No.</i>	<i>Foreign Chart No.</i>	<i>Originally Announced in NtM</i>	<i>Later Edition</i>
37133	37BHA37030	UK 1834	2/16	
37136	37AHA37035	UK 1186	34/04	1/19
37137	37AHA37036	UK 2151	34/04	2/19
37138	37AHA37037	UK 3337	34/04	26/16
37138	37BHA37038	UK 2484	34/04	18/16
37139	37BHA37039	UK 1606	36/04	2/19
37141	37AHA37040	UK 1607	9/05	6/17
37145	37AHA37051	UK 1185	37/04	1/19
37147	37BHA37052	UK 1975	36/04	45/18
37150	37ACO37055	UK 1504	37/04	40/13
37170	37ACO37057	UK 1503	38/04	28/17
37175	37ACO37058	UK 1187	38/04	49/15
37180	37ACO37059	UK 1190	38/04	6/17
37182	37AHA37062	UK 109	38/04	33/09
37183	37BHA37066	UK 1188	6/05	28/19
74152	74BHA74150	Aus. 208	8/07	44/10
74153	74BHA74155	Aus. 207	8/07	
74182	74AHA74185	Aus. 236	45/18	
74183	74AHA74180	Aus. 237	9/07	18/16
74184	74AHA74174	Aus. 235	45/18	
74186	74AHA74189	Aus. 238	47/05	17/16
74201	74BHA74199	Aus. 246	8/07	17/16
74205	74BHA74244	Aus. 245	45/10	45/18
74206	74AHA74212	Aus. 244	15/07	17/16
74210	74BCO74245	Aus. 820	13/07	18/16
74221	74BCO74227	Aus. 821	11/07	18/16
74229	74BCO74246	Aus. 824	16/08	26/16
74232	74BHA74216	Aus. 256	10/07	18/16
74234	74BHA74237	Aus. 257	11/07	44/18
74252	74BCO74258	Aus. 263	41/10	
74253	74BCO74262	Aus. 830	13/07	26/16
74271	74BCO74275	Aus. 833	18/07	26/16
74271	74BCO74277	Aus. 280	35/07	30/19
74272	74BHA74267	Aus. 834	13/07	18/16
74287	74BHA74306	Aus. 296	2/19	
74293	74ACO74311	Aus. 839	12/06	39/17
74294	74BCO74300	Aus. 292	47/05	44/18
74294	74ACO74311	Aus. 839	12/06	39/17
74295	74BCO74304	Aus. 293	45/18	
74310	74BCO74395	Aus. 302	18/07	
74320	74BCO74313	Aus. 303	18/07	
74330	74BCO74387	Aus. 304	52/06	
74340	74BCO74384	Aus. 305	35/07	
74350	74BCO74383	Aus. 306	35/07	44/10
74391	74BHA74390	Aus. 720	35/07	17/17
74391	74BHA74396	Aus. 721	35/07	17/17
74393	74BHA74397	Aus. 26	47/06	11/18
74393	74AHA74402	Aus. 25	22/17	11/18
74394	74BHA74397	Aus. 26	47/06	11/18
74394	74AHA74402	Aus. 25	22/17	11/18
74415	74ACO74416	Aus. 726	35/07	
74430	74ACO74431	Aus. 315	22/08	45/18
74450	74ACO74451	Aus. 319	34/07	15/19
74555	74ACO74593	Aus. 334	34/07	
74581	74AHA74585	Aus. 112	18/07	30/19

SECTION III

NM 46/19

<i>Former US Chart No.</i>	<i>Current US Chart No.</i>	<i>Foreign Chart No.</i>	<i>Originally Announced in NtM</i>	<i>Later Edition</i>
75132	75BHA75137	Aus. 137	19/06	42/08
75170	75ACO75166	Aus. 788	14/06	
75170	75ACO75167	Aus. 789	14/06	
75170	75ACO75168	Aus. 790	17/06	
75171	75AHA75164	Aus. 144	44/10	45/18
75171	75AHA75165	Aus. 143	21/06	45/18
75175	75AHA75178	Aus. 154	18/06	47/17
75261	75AHA75274	Aus. 808	11/07	
75264	75AHA75269	Aus. 201	12/07	29/19
75264	75AHA75267	Aus. 202	48/06	29/19
75265	75AHA75266	Aus. 197	17/07	
95261	95BCO95263	Jpn. W145	9/12	
95264	95BHA95266	Jpn. W1155A	5/12	21/15
95258	95BHA95257	Jpn. W1160	23/14	
95273	95BHA95279	Jpn. W1197	5/12	
95282	95BHA95288	Jpn. W1167	10/11	7/17
95285	95BHA95289	Jpn. W1166	29/12	
95342	95AHA95339	Jpn. W1265	46/12	53/16
96940	96BHA96933	Jpn. W7	51/12	
96941	96BCO96932	Jpn. W28	20/15	
96942	96BHA96931	Jpn. W5	21/11	
96947	96BHA96927	Jpn. W6	45/18	
96961	96BHA96951	Jpn. W1033A	46/10	39/19
97041	97BHA97044	Jpn. W65	21/11	42/19
97060	97ACO97050	Jpn. W54	46/11	1/13
97062	97BHA97053	Jpn. W79	20/15	
97082	97BHA97084	Jpn. W64A	9/12	22/15
97083	97BHA97085	Jpn. W64B	9/12	34/14
97141	97BHA97132	Jpn. W1067	52/12	
97143	97AHA97133	Jpn. W1062	11/11	39/19
97144	97AHA97134	Jpn. W1081	9/11	44/19
97146	97AHA97135	Jpn. W1083	46/10	23/18
97148	97XHA97136	Jpn. W1085	18/11	39/19
97149	97AHA97137	Jpn. W66	46/10	46/18
97150	97XHA97139	Jpn. W67	46/10	41/19
97151	97AHA97168	Jpn. W1061	21/11	24/18
97155	97BHA97172	Jpn. W1065	21/11	23/18
97181	97BHA97089	Jpn. W1051	42/12	24/18
97182	97BHA97090	Jpn. W1053	21/12	24/18
97184	97BHA97030	Jpn. W1055A	49/11	7/17
97189	97BHA97034	Jpn. W1055B	49/11	6/17
97204	97AHA97191	Jpn. W131	11/11	
97220	97BHA97197	Jpn. W1103	29/12	
97221	97AHA97198	Jpn. W106	11/11	
97225	97AHA97210	Jpn. W150A	46/11	
97227	97XHA97212	Jpn. W1146	30/13	
97228	97AHA97213	Jpn. W123	29/14	39/19
97233	97BHA97252	Jpn. W153	12/11	21/14
97234	97BHA97253	Jpn. W137A	45/11	3/14
97236	97BHA97255	Jpn. W137B	46/11	7/17
97237	97BHA97256	Jpn. W1121	6/12	24/18
97261	97BHA97293	Jpn. W141	12/11	49/11
97262	97BHA97294	Jpn. W104	12/11	
97263	97BHA97295	Jpn. W132	9/11	
97267	97BHA97297	Jpn. W142	45/18	

<i>Former US Chart No.</i>	<i>Current US Chart No.</i>	<i>Foreign Chart No.</i>	<i>Originally Announced in NtM</i>	<i>Later Edition</i>
97268	97BHA97298	Jpn. W1109	15/18	
97270	97BHA97302	Jpn. W113	45/18	
97277	97AHA97311	Jpn. W1102	40/13	
97285	97AHA97319	Jpn. W1262	11/11	39/19
97286	97AHA97321	Jpn. W1263	11/11	21/15
97287	97AHA97322	Jpn. W1264	11/11	21/14
97340	97ACO97327	Jpn. W1221	42/13	
97342	97AHA97329	Jpn. W221	24/18	
97343	97BHA97330	Jpn. W214A	21/14	
97360	97ACO97333	Jpn. W1222	40/13	
97383	97BHA97337	Jpn. W206	3/12	
97391	97BHA97351	Jpn. W202	21/15	
97400	97AHA97356	Jpn. W1233	22/17	
97421	97BHA97362	Jpn. W190	24/18	
97465	97BHA97370	Jpn. W222A	49/11	
97466	97AHA97371	Jpn. W243	13/12	
97469	97AHA97373	Jpn. W228B	48/11	
97481	97BCO97375	Jpn. W1205	49/11	
97343	97BHA97567	Jpn. 214B	21/14	

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.

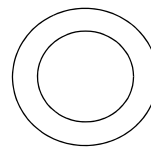
Reports which present an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. In general, these hazards would include major aids to navigation anomalies, discovery of obstructions or shoals with depths of less than 30 meters, floating dangers to shipping, 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).



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HYDROARC REPORT SHEET

Observer _____

Ship/Organization _____

Phone _____ Email Address _____

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

Is hazard remotely monitored? Yes _____ No _____

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

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

Date of Insertion _____ Latitude _____ Longitude _____

Date of Expected Removal _____

Most Recent Observation: Date _____ Time (Local) _____

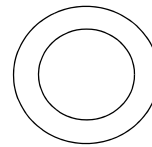
Latitude _____ Longitude _____ Datum _____

Navigation System _____ Verified by Navigator: Yes _____ No _____

Sounding sensor or method used _____

Sounding(s) corrected for draft: Yes _____ No _____

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

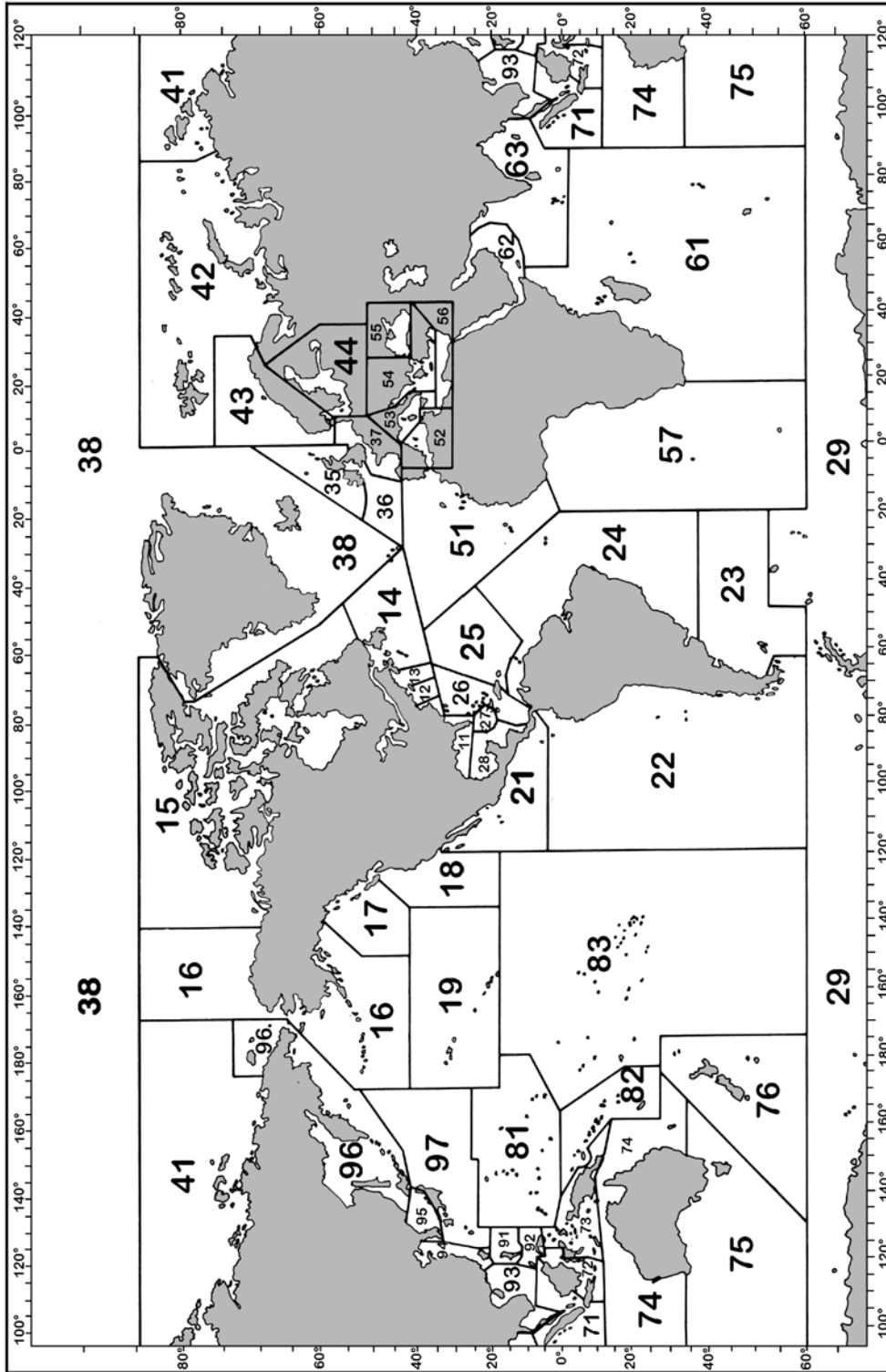


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GEOGRAPHIC LOCATOR



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