



No. 52

28 DECEMBER 2002



UNITED STATES OF AMERICA

# NOTICE TO MARINERS



Published Weekly by the  
National Imagery and Mapping Agency

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

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Visit the Maritime Safety Information Division website at  
<http://pollux.nss.nima.mil/>



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## IMPORTANT INFORMATION

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

Information for the Notice to Mariners is contributed by the following Agencies: National Imagery and Mapping Agency (NIMA) (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 Transportation), 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 NIMA hydrographic products and services, including the Maritime Safety Information Website, users may contact:

<u>Name</u>	<u>Telephone</u>	<u>DSN</u>	<u>FAX</u>
Maritime Safety Information Division	301-227-5006	287-5006	301-227-5745
World-Wide Navigational Warning Service	301-227-3147	287-3147	301-227-3731
Fleet Liaison Officer	301-227-3120	287-3120	301-227-4211
Maritime Safety Information Website	301-227-3296	287-3296	301-227-4211
Notice to Mariners: Regions 1 and 2	301-227-3122	287-3122	301-227-3175
Notice to Mariners: Regions 3, 4, 5	301-227-3146	287-3146	301-227-3175
Notice to Mariners: Regions 6 thru 9	301-227-3146	287-3146	301-227-3175
Sailing Directions, Fleet Guides	301-227-3183	287-3183	301-227-3174
Navigation Science Publications	301-227-3120	287-3120	301-227-3731
Distribution Issues	301-227-7652	287-7652	301-227-4211

The Maritime Safety Information Website can be accessed via the NIMA Homepage ([www.nima.mil](http://www.nima.mil)) under the Safety of Navigation link or directly at (<http://pollux.nss.nima.mil>). For your convenience NIMA provides three e-mail addresses. For information affecting Notice to Mariners use [NavNotices@nima.mil](mailto:NavNotices@nima.mil), for information affecting Sailing Directions and all other navigational publications use [SDPUBS@nima.mil](mailto:SDPUBS@nima.mil), for information concerning the Maritime Safety Information Website, use [webmaster\\_nss@nima.mil](mailto:webmaster_nss@nima.mil).

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

<u>Observer</u>	<u>Ship/Organization</u>
Mike Hlastava, Third Officer	USNS SAN JOSE
Hans Amador, Second Officer	M/V PRESIDENT JACKSON
QM2 Daniel Fahy	USS CAPE ST GEORGE

**Cover Photo:** The **USS ABRAHAM LINCOLN (CVN-72)** is America's fifth Nimitz class carrier and was named in honor of our nation's 16th President and the second ship to bear the name. She was built in Virginia by Newport News Shipbuilding and Drydock Co. at a cost of more than \$3.5 billion. Construction took nearly five years and more than 40 million manhours. A marvel of engineering, craftsmanship and technology she was christened on 13 February 1988 and was commissioned 11 November 1989. **USS ABRAHAM LINCOLN** is charged with supporting America's tactical air capability and maintaining open sea lanes. As it carries out this mission on the oceans of the world, Lincoln brings a message of peace through strength. The ship's logo, "shall not perish," comes from President Lincoln's own vision of our nation described in his famous Gettysburg Address: "...that the government of the people, by the people, for the people, shall not perish from the Earth". She is 1,092 feet in length, has a beam of 252 feet, a height of 206 feet, a full displacement of 104,112 tons and it's four main engines develop 260,000 SHP. She can carry 80+ tactical, combat and support aircraft including the F/A-18 Hornet, F-14 Tomcat, EA-6B Prowler, S-3B Viking, C-2A Greyhound, E-2C Hawkeye, SH-60F Seahawk and HH-60H Helicopter. She can accommodate 6,000+ sailors and 200 Officers. The Lincoln is homeported at Naval Station Everett, Washington.

INFORMATION  
OF  
SPECIAL INTEREST  
OR  
IMPORTANCE  
TO  
MARINERS

**NM 52/02**

# HYDROGRAM

**National Imagery and Mapping Agency  
Bethesda, MD 20816-5003**

SPECIAL  
ANNOUNCEMENTS  
\_\_\_\_\_  
NEW PRODUCTS  
OR SERVICES  
\_\_\_\_\_  
IMPORTANT  
CHANGES

**28 December 2002**

## **QUARTERLY SUMMARY OF INFORMATION OF INTEREST TO NAVIGATORS**

NAVAREAS, HYDROPACS AND HYDROLANTS-SEE SECTION III.

### **DISCONTINUANCE OF 121.5 AND 243 MHZ FOR SATELLITE DISTRESS ALERTS TO BEGIN**

THE INTERNATIONAL COSPAS-SARSAT PROGRAM HAS ANNOUNCED PLANS TO TERMINATE SATELLITE PROCESSING OF DISTRESS SIGNALS FROM 121.5 AND 243 MHZ EMERGENCY BEACONS. SEE SECTION III.

## EXPLANATION OF CONTENTS

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

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



A chart correction preceded by:

- ★ indicates that it is based upon original U.S. source information.
  - T indicates that it is temporary in nature.
  - P indicates that it is preliminary, and that permanent corrective action will appear in a future Notice to Mariners.
- The letter M immediately following the chart number indicates that the correction should be applied to the metric side of the chart only. The letter M is not a part of the chart number.
- The letter N preceding the current Notice to Mariners number indicates that the affected chart is on Limited Distribution and is normally only for use by U.S. Navy, government-owned or -chartered vessels.
- Courses and bearings are given in degrees true.
- Light sectors are expressed in degrees true from the vessel TOWARD the light.
- The visible range(s) listed for lights is normally the nominal range (the distance at which it can be seen in clear weather), expressed in nautical miles, except in the Great Lakes where it is expressed in statute miles.
- The colors of structures and lights of navigational aids are abbreviated in accordance with Chart 1.
- Section I-2\*** contains all chartlets, depth tabulations and notes associated with the chart corrections in Section I-1. Chartlets and depth tabulations supersede all previous information portrayed.
- Section I-3** lists all NIMA 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 NIMA Hydrographic Products Catalog, including new charts and publications. It also contains the latest price category information.

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

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

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

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

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

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

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

**SECTION I  
CHART CORRECTIONS**

**NM 52/02**

<b>502</b> (INT 802) 2Ed. 7/23/83 LAST NM 40/99 52/02 Add Depth 13 meters "Rep (2002)" [I3.2] 24°42'N 110°18'W (NTM0007/2002)	<b>★12221</b> 73Ed. 10/02 NEW EDITION 52/02 Add Buoy "2" R, QR 36°54'16"N 75°42'35"W (Previously published 50/02)
<b>530</b> 30Ed. 3/23/02 LAST NM 40/02 52/02 Change Visibility (range) of light to 18M 48°24'N 124°45'W (38/02 CG13)	Change Designation of buoy "C" to "CH" 36°56'08"N 75°57'25"W Add Danger circle "Obstn" [K40] marked by 37°09'30"N 76°08'00"W buoy R, QR (NOS; 42, 44/02 CG5)
<b>531</b> 21Ed. 2/2/02 LAST NM 47/02 52/02 Change Light to Fl(2) 20s 18M HORN 48°23.8'N 124°44.0'W (38/02 CG13)	<b>★12222</b> 42Ed. 2/2/02 LAST NM 50/02 52/02 Change Designation of buoy "C" to "CH" 36°56'08"N 75°57'25"W (44/02 CG5)
<b>705</b> (INT 705) 3Ed. 6/5/82 LAST NM 46/02 52/02 Add Superbuoy ODAS [Q58] "DS1" Y, Fl 3s 15°33'N 69°10'E (21(417)02 Dehra Dun)	<b>★12230</b> 59Ed. 10/02 NEW EDITION 52/02 Change Height of light "6" to 15ft 38°15'51"N 75°55'24"W (Previously published 44/02) (NOS)
<b>★11365</b> 17Ed. 10/02 NEW EDITION 52/02 <b>(Side A)</b> Change Note to "NOTE C" BARATARIA WATERWAY The controlling depth was 13 feet across the bar channel; thence a depth of 4 feet to Lt. 19. From Lt. 19 to the entrance of the Bayou Rigolettes the controlling depth was 5 feet; thence 6 feet to the junction with the Intracoastal Waterway. Mar. - Aug. 2002" 29°37'00"N 90°04'00"W (Previously published 51/02) (NOS)	<b>★12245</b> 60Ed. 1/26/02 LAST NM 50/02 52/02 Relocate Light "2" from 36°57'34.8"N 76°24'34.0"W to 36°57'33.5"N 76°24'33.8"W (44/02 CG5)
<b>★11428</b> 32Ed. 10/02 NEW EDITION 52/02 (NOS)	<b>12280</b> 3Ed. 7/02 LAST NM 50/02 52/02 Change Designation of buoy "C" to "CH" 36°56.2'N 75°57.4'W (44/02 CG5)
<b>★11465</b> 36Ed. 10/02 NEW EDITION 52/02 (NOS)	<b>★12304</b> 42Ed. 4/27/02 LAST NM 42/02 52/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)
<b>★11506</b> 39Ed. 10/7/00 LAST NM 49/02 52/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)	<b>★12311</b> 41Ed. 9/15/01 LAST NM 50/02 52/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)
<b>11518</b> 32Ed. 2/9/02 LAST NM 48/02 52/02 <b>(Side A)</b> Delete Buoy 32°46'07"N 79°52'44"W (44/02 CG7)	<b>★12312</b> 51Ed. 9/8/01 LAST NM 43/02 52/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)
<b>11523</b> 21Ed. 2/2/02 LAST NM 35/02 52/02 Delete Buoy 32°46'07"N 79°52'45"W (44/02 CG7)	<b>12313</b> 48Ed. 9/22/01 LAST NM 43/02 52/02 Add Tabulation of controlling depths from Subsection I-2 (NOS)
<b>★11524</b> 45Ed. 1/19/02 LAST NM 48/02 52/02 Delete Buoy 32°46'07"N 79°52'45"W (44/02 CG7)	<b>★13223</b> 36Ed. 11/3/01 LAST NM 15/02 52/02 Relocate Buoy "14" from 41°31'01.2"N 71°20'06.0"W to 41°30'59.9"N 71°20'03.2"W (45/02 CG1)
<b>12200</b> 47Ed. 8/02 LAST NM 42/02 52/02 Change Designation of buoy "C" to "CH" 36°56.1'N 75°57.4'W (44/02 CG5)	<b>★13228</b> 11Ed. 5/17/97 LAST NM 51/02 52/02 Relocate Buoy "4" from 41°27'02.0"N 70°59'18.5"W to 41°27'01.9"N 70°59'13.6"W Buoy (undesignated) from 41°26'39.0"N 71°09'27.7"W to 41°26'40.4"N 71°09'28.2"W (45/02 CG1)
<b>12201</b> 25Ed. 7/17/99 LAST NM N42/02 52/02 Change Designation of buoy "C" to "CH" 36°56.0'N 75°57.4'W (44/02 CG5)	<b>13229</b> 27Ed. 7/28/01 LAST NM 45/02 52/02 <b>(Page E)</b> Relocate Buoy "4" from 41°27'01"N 70°59'19"W to 41°27'02"N 70°59'14"W (45/02 CG1)
<b>12205</b> 27Ed. 7/02 LAST NM 43/02 52/02 <b>(Page A)</b> Change Designation of buoy "C" to "CH" 36°56'08"N 75°57'27"W (44/02 CG5)	<b>13267</b> 30Ed. 12/1/01 LAST NM 27/02 52/02 Add Designation "FR" to buoy 42°30'12"N 70°49'03"W (45/02 CG1)
<b>12207</b> 20Ed. 4/4/98 LAST NM 50/02 52/02 Change Designation of buoy "C" to "CH" 36°56'06"N 75°57'26"W (44/02 CG5)	<b>13274</b> 24Ed. 5/12/01 LAST NM 45/02 52/02 <b>(Side B)</b> Add Designation "FR" to buoy 42°30'15"N 70°49'03"W (45/02 CG1)
<b>12208</b> 8Ed. 1/12/02 LAST NM 50/02 52/02 Change Designation of buoy "C" to "CH" 36°56'08"N 75°57'26"W (44/02 CG5)	

13275	27Ed. 7/24/99 LAST NM 45/02 Add Designation "FR" to buoy (45/02 CG1)	52/02 42°30'15.1"N 70°49'03.7"W	★14975	33Ed. 10/02 NEW EDITION (NOS)	52/02
★13276	21Ed. 9/20/97 LAST NM 27/02 Add Designation "FR" to buoy (45/02 CG1)	52/02 42°30'14.6"N 70°49'04.6"W	★14995	11Ed. 10/02 NEW EDITION (NOS)	52/02
★13298	10Ed. 5/5/01 LAST NM 43/02 Relocate Buoy "24" from 44°02'32.1"N 69°47'43.9"W to 44°02'32.1"N 69°47'41.6"W Buoy "29" from 44°04'13.4"N 69°46'56.9"W to 44°04'13.1"N 69°46'58.5"W (45/02 CG1)	52/02 69°47'43.9"W 69°47'41.6"W 69°46'56.9"W 69°46'58.5"W	16013	28Ed. 4/14/01 LAST NM 29/02 Substitute Depth 3 1/4 fathoms for 15 fathoms Depth 6 fathoms for 14 fathoms (NOS)	52/02 59°54.2'N 148°14.4'W 59°48.1'N 147°58.8'W
★13312	20Ed. 10/31/92 LAST NM 36/02 Relocate Buoy "FBE" from 44°15'01"N 67°56'17"W to 44°15'02"N 67°56'30"W Buoy "8BI" from 44°13'34"N 68°10'50"W to 44°13'38"N 68°10'50"W (45/02 CG1)	52/02 67°56'17"W 67°56'30"W 68°10'50"W 68°10'50"W	★16300	8Ed. 3/10/90 LAST NM 26/97 Change Buoy "7" to "6" R, nun (42/02 CG17)	52/02 59°43.5'N 162°18.5'W
★13313	19Ed. 8/28/93 LAST NM 49/02 Relocate Buoy "8BI" from 44°13'34"N 68°10'50"W to 44°13'38"N 68°10'50"W (45/02 CG1)	52/02 68°10'50"W 68°10'50"W	★16700	27Ed. 3/9/02 LAST NM 49/02 Substitute Depth 3 1/4 fathoms for 15 fathoms Depth 6 fathoms for 14 fathoms Depth 8 1/4 fathoms for 12 fathoms (NOS)	52/02 59°54.2'N 148°14.4'W 59°48.1'N 147°58.8'W 59°47.9'N 148°00.1'W
13318	18Ed. 8/02 LAST NM 41/02 Relocate Buoy "8BI" from 44°13'35"N 68°10'50"W to 44°13'38"N 68°10'50"W (45/02 CG1)	52/02 68°10'50"W 68°10'50"W	★16701	18Ed. 3/9/02 LAST NM 21/02 Substitute Depth 6 1/4 fathoms for 14 fathoms (NOS)	52/02 59°47'37"N 147°58'54"W
13324	13Ed. 3/11/95 LAST NM 41/02 Relocate Buoy "FBE" from 44°15'02"N 67°56'18"W to 44°15'02"N 67°56'30"W (45/02 CG1)	52/02 67°56'18"W 67°56'30"W		Add Depth 3 3/4 fathoms Depth 9 1/2 fathoms Depth 6 fathoms Depth 6 1/2 fathoms Depth 8 1/2 fathoms Depth 8 1/2 fathoms Depth 8 1/2 fathoms Depth 8 1/2 fathoms Depth 7 1/4 fathoms Depth 8 fathoms Depth 10 fathoms Depth 10 fathoms Depth 9 fathoms Depth 8 fathoms (NOS)	59°54'09"N 148°14'23"W 59°54'20"N 148°13'47"W 59°48'05"N 147°58'45"W 59°47'51"N 147°59'16"W 59°48'39"N 147°58'48"W 59°48'10"N 147°59'26"W 59°47'54"N 148°00'09"W 59°47'31"N 147°59'55"W 59°47'15"N 147°59'24"W 59°46'47"N 148°02'01"W 59°54'05"N 148°13'39"W 59°46'33"N 147°59'04"W 59°48'20"N 147°58'44"W
14310	2Ed. 2/11/95 LAST NM 20/01 Delete R Bn at light	52/02 46°45.9'N 56°09.3'W	★16702	10Ed. 6/13/98 LAST NM 38/02 Add Depth 3 1/4 fathoms Depth 9 1/2 fathoms (NOS)	52/02 59°54'09"N 148°14'23"W 59°54'20"N 148°13'47"W
14340	25Ed. 11/4/95 LAST NM 40/02 Delete R Bn at light	52/02 46°45.7'N 56°09.3'W	17003	4Ed. 2/10/96 LAST NM 47/02 Change Light to Fl(2) 20s 18M HORN (38/02 CG13)	52/02 48°23.5'N 124°44.0'W
	Add R Bn (AERO) [S16] (50/982)99 Brest)	46°45.7'N 56°10.2'W	17005	10Ed. 5/27/95 LAST NM 47/02 Change Light to Fl(2) 20s 165ft Fog Sig	52/02 48°23.6'N 124°44.2'W
				Add Buoy "J" Y, Fl Y 4s Buoy "JA" Y, Fl Y 4s (38/02 CG13)	48°29.6'N 125°00.0'W 48°29.6'N 124°43.6'W
14342	20Ed. 6/24/95 LAST NM 13/00 Delete R Bn at light	52/02 46°45'54"N 56°09'13"W	★17300	30Ed. 10/02 NEW EDITION Change Obscured sector of light to 090°-289° (Previously Published 51/02-17300) (NOS)	52/02 58°09.2'N 136°23.1'W
	Add R Bn (AERO) [S16] (50/982)99 Brest)	46°45'45"N 56°10'12"W	★17422	8Ed. 10/02 NEW EDITION (NOS)	52/02
14357	Ed. 1/10/86 LAST NM N13/00 Delete RC at light Note: Light remains	N52/02 46°45'56"N 56°09'17"W	17550	4Ed. 12/3/94 LAST NM 48/02 Relocate Buoy "J" from 48°29.2'N 124°43.6'W to 48°29.6'N 125°00.0'W Change Light to Fl(2) 20s 50m 18M HORN Add Buoy "JA" Y, Fl Y 4s (38/02 CG13)	52/02 48°23.6'N 124°44.2'W 48°29.6'N 125°00.0'W 48°23.6'N 124°44.2'W 48°29.6'N 124°43.6'W
★14500	27Ed. 10/02 NEW EDITION (NOS)	52/02			
★14832	34Ed. 10/02 NEW EDITION (NOS)	52/02			
★14838	3Ed. 10/02 NEW EDITION (NOS)	52/02			
★14901	14Ed. 10/02 NEW EDITION (NOS)	52/02			
★14937	24Ed. 10/02 NEW EDITION (NOS)	52/02			

## SECTION I

**NM 52/02**

<b>18003</b>	18Ed. 1/6/01 LAST NM 48/02 Relocate Buoy "J" from 48°28.9'N 124°43.8'W to 48°29.6'N 125°00.0'W	52/02	<b>★18528</b>	10Ed. 10/02 NEW EDITION (NOS)	52/02
Change	Visibility (range) of light to 18M	48°23.5'N 124°44.0'W	<b>★18529</b>	10Ed. 9/02 NEW CHART (NOS)	52/02
Add	Buoy "JA" Y, Fl Y 4s (38/02 CG13)	48°29.6'N 124°43.6'W	<b>21014</b>	72Ed. 1/21/84 LAST NM 50/02 Add Depth 7 fathoms 2 feet "Rep (2002)" [I3.2] (NTM0007/2002)	52/02 24°42.1'N 110°18.1'W
<b>18007</b>	31Ed. 3/31/01 LAST NM 47/02 Relocate Buoy "J" from 48°29.0'N 124°44.0'W to 48°29.6'N 125°00.0'W	52/02	<b>21120</b>	27Ed. 9/27/86 LAST NM 51/02 Add Depth 13.4 meters "Rep (2002)" [I3.2] (NTM0007/2002)	52/02 24°42.1'N 110°18.1'W
Change	Visibility (range) of light to 18M (38/02 CG13)	48°23.8'N 124°43.9'W	<b>21125</b>	13Ed. 5/25/91 LAST NM 51/02 Delete Submarine pipeline in vicinity Buoy (mooring) Buoy (mooring) Buoy "3" Buoy "4"	52/02 24°13'27"N 110°18'48"W 24°13'06"N 110°18'36"W 24°13'03"N 110°18'23"W 24°12'49"N 110°18'12"W 24°11'50"N 110°18'15"W
<b>18008</b>	7Ed. 10/12/96 LAST NM N47/02 Relocate Buoy "J" from 48°30.0'N 124°44.0'W to 48°29.6'N 125°00.0'W	N52/02	Change	Depth 3 meters (PA), blue tint and enclosing dotted-line circle	24°11'04"N 110°18'18"W
Change	Light to Fl(2) 20s 18M HORN (38/02 CG13)	48°23.8'N 124°44.0'W	Relocate	Depth 2 meters (PA), blue tint and enclosing dotted-line circle	24°10'41"N 110°18'36"W
<b>18400</b>	42Ed. 6/30/01 LAST NM 48/02 Delete Red sector from light and change visibility (range) to 18M	52/02	Change	Depth 3.1 meters, blue tint and enclosing depth contour	24°09'49"N 110°19'18"W
Relocate	Buoy "J" from 48°29.2'N 124°43.6'W to 48°29.6'N 125°00.0'W	48°23.5'N 124°44.2'W	Relocate	Light	24°10'28"N 110°18'10"W
	Buoy "PA" from 48°12.4'N 123°27.7'W to 48°12.9'N 123°28.7'W	48°29.6'N 124°43.6'W	Change	Light	24°10'19"N 110°18'09"W
Add	Buoy "JA" Y, Fl Y 4s (38, 43/02 CG13)	48°29.6'N 124°43.6'W	Relocate	Light	24°09'17"N 110°18'44"W
<b>18440</b>	25Ed. 9/2/00 LAST NM 48/02 Delete Buoy "PA" (43/02 CG13)	52/02	Relocate	Buoy (undesignated) from 24°13'28"N 110°18'56"W to 24°13'27.1'N 110°18'48.4'W	24°13'28"N 110°18'56"W to 24°13'27.1'N 110°18'48.4'W
<b>★18447</b>	26Ed. 1/25/97 LAST NM 27/02 <b>(Side B)</b> Delete Buoy (43/02 CG13)	52/02	Change	Buoy (mooring) from 24°13'02"N 110°18'38"W to 24°13'03.1'N 110°18'35.9'W	24°13'02"N 110°18'38"W to 24°13'03.1'N 110°18'35.9'W
<b>★18460</b>	10Ed. 3/10/01 LAST NM 48/02 Delete Red sector from light and change visibility (range) to 18M	52/02	Change	Buoy "2" from 24°12'57"N 110°18'21'W to 24°12'54.3'N 110°18'21.0'W	24°12'57"N 110°18'21'W to 24°12'54.3'N 110°18'21.0'W
Relocate	Buoy "J" from 48°29.2'N 124°43.6'W to 48°29.6'N 125°00.0'W	48°23.5'N 124°44.2'W	Add	Submarine pipeline [L41.1] between 24°13'26.1'N 110°18'42.3'W 24°13'26.1'N 110°18'53.0'W	24°13'26.1'N 110°18'42.3'W 24°13'26.1'N 110°18'53.0'W
Add	Buoy "JA" Y, Fl Y 4s (38/02 CG13)	48°29.6'N 124°43.6'W	Change	Buoy (mooring) [Q40]	24°13'09.9'N 110°18'43.3'W
<b>★18465</b>	34Ed. 7/28/01 LAST NM 48/02 Relocate Buoy "PA" from 48°12'23"N 123°27'42"W to 48°12'54"N 123°28'41"W (43/02 CG13)	52/02	Range line extending in 328° direction from 24°12'28.0'N 110°17'59.5'W dashed for 550 meters, thence solid for 750 meters	Range line extending in 001° direction from 24°10'22.0'N 110°18'14.2'W dashed for 2350 meters, thence solid for 2000 meters	24°12'28.0'N 110°17'59.5'W 24°10'22.0'N 110°18'14.2'W
<b>18480</b>	28Ed. 4/6/02 LAST NM 48/02 Delete Red sector from light and change visibility (range) to 18M	52/02	Change	Light FR	24°09'33.5'N 110°17'58.4'W
Relocate	Buoy "J" from 48°29.3'N 124°43.6'W to 48°29.6'N 125°00.0'W	48°23.5'N 124°44.2'W	Delete	<b>(Plan)</b> Submarine pipeline in vicinity Buoy (mooring) Buoy (mooring) Buoy "4"	24°13'27"N 110°18'48"W 24°13'06"N 110°18'36"W 24°13'03"N 110°18'23"W 24°11'50"N 110°18'15"W
Add	Buoy "JA" Y, Fl Y 4s (38/02 CG13)	48°29.6'N 124°43.6'W	Change	Range line between	24°11'23'N 110°18'07'W 24°09'44'N 110°19'17'W
<b>18485</b>	14Ed. 1/31/98 LAST NM 48/02 Delete Red sector from light and change visibility (range) to 18M	52/02	Change	Note: Legend "Lights...033°" remains	
	Buoy "J"	48°29'13"N 124°43'40"W	Relocate	Depth 3 meters (PA), blue tint and enclosing dotted-line circle	24°11'04'N 110°18'18" W
Add	Buoy "JA" Y, Fl Y 4s (38/02 CG13)	48°29'38"N 124°43'38"W	Change	Depth 2 meters (PA), blue tint and enclosing dotted-line circle	24°10'41'N 110°18'36" W
<b>★18504</b>	64Ed. 4/11/98 LAST NM 18/02 Delete Buoy "B" (See 47/01-18504) (43/02 CG13)	52/02			(continued on next page)

**NM 52/02**

21125 (Continued)

**SECTION I**

<b>22120</b>	3Ed. 9/1/01	LAST NM 43/02	52/02
	Delete	Wreck (See 34/02-22120)	4°17.1'S 81°20.2'W
	Add	Wreck [K29] Dangerous wreck [K28]	4°17.2'S 81°20.1'W 5°12.3'S 81°12.1'W
		Depth 16 meters [I4] (ED) "Rep (2002)" (11(107-109)02 Callao)	6°02.2'S 81°12.6'W
<b>22121</b>	9Ed. 3/2/96	LAST NM 44/02	52/02
	Delete	Wreck (See 34/02-22121)	4°17'04"S 81°20'14"W
	Add	Wreck [K29] (11(107)02 Callao)	4°17'12"S 81°20'08"W
<b>22124</b>	2Ed. 4/6/96	LAST NM 34/02	52/02
	Add	Dangerous wreck [K28] (11(108)02 Callao)	5°12'18"S 81°12'07"W
<b>22143</b>	3Ed. 9/25/93	LAST NM 41/02	52/02
	Delete	<b>(Plan B)</b> Light	11°07'18.0"S 77°37'00.0"W
	Add	Position circle "WTR TR" Position circle "WTR TR" (11(110)02 Callao)	11°05'37.2"S 77°37'46.5"W 11°07'48.6"S 77°36'51.1"W
<b>22160</b>	2Ed. 5/25/96	LAST NM 48/02	52/02
	Add	Wreck [K29] (11(111)02 Callao)	11°43.0'S 77°45.0'W
<b>23150</b>	10Ed. 9/6/97	LAST NM 37/02	52/02
	Add	Depth 27.5 meters Depth 13.8 meters	51°41.7'S 59°16.4'W 51°42.7'S 59°14.4'W
		Depth 18.9 meters, blue tint and enclosing depth contour (20-meter) (43(4640)02 Taunton)	51°43.0'S 59°10.8'W
<b>25677</b>	19Ed. 3/18/95	LAST NM 21/02	52/02
	Delete	Light (44/02 CG7)	17°58'07"N 66°36'01"W
<b>*25683</b>	17Ed. 11/11/00	LAST NM 49/02	52/02
	Delete	Light (44/02 CG7)	17°58'07"N 66°36'02"W
<b>43140</b>	4Ed. 10/5/96	LAST NM 48/02	52/02
	Change	Light to Oc WRG 6s 50m 12-9M Racon with sectors green 038°-043°, red-047°, white- 126°30', green-153°30', white-162°30', red- 180°, white-207°30', green-220°, white-235°, red-242°, white-312°, red-340°, green-348° (18(784)02 Stavanger; Nor LL)	69°04.0'N 15°10.3'E
<b>43141</b>	5Ed. 2/22/97	LAST NM 41/97	52/02
	Substitute	Light Fl G 3s for beacon (18(785)02 Stavanger)	69°04'15"N 16°46'50"E
<b>43142</b>	4Ed. 1/25/97	LAST NM 15/99	52/02
	Substitute	Light Fl G 3s for beacon (18(785)02 Stavanger)	69°04'15"N 16°46'50"E
<b>43182</b>	4Ed. 3/12/94	LAST NM 47/02	52/02
	Add	Depth 2 fathoms 4 feet (18(782)02 Stavanger)	66°22'17"N 12°22'51"E
<b>22004</b>	38Ed. 7/5/97	LAST NM 43/02	52/02
	Add	Depth 16 meters [I4] (ED) "Rep (2002)" (11(109)02 Callao)	6°02.2'S 81°12.6'W
<b>22008</b>	35Ed. 9/6/97	LAST NM 48/02	52/02
	Add	Depth 16 meters [I4] (ED) "Rep (2002)" (11(109, 111)02 Callao)	6°02.2'S 81°12.6'W
		Wreck [K29]	11°43.0'S 77°45.0'W

# SECTION I

**NM 52/02**

<b>43225</b>	4Ed. 12/21/96 LAST NM 17/02	52/02	Relocate	Buoy from 60°41'19.0"N 17°12'56.0"E to 60°41'18.0"N 17°12'58.2"E
Add	Danger circle [K40] "Obstn (Marine farm)" 64°12'33"N 10°19'07"E		Substitute	Beacon for range light 60°38'53.4"N 17°23'09.6"E
	<b>(Plan Brandsfjord)</b>			Beacon for range light 60°38'50.4"N 17°23'04.2"E
Add	Danger circle [K40] "Obstn (Marine farm)" 64°10'43"N 10°21'58"E (18(778)02 Stavanger)		Change	Legend to "Bns in line 215°00" 60°40'10.0"N 17°25'00.0"E
				Shape of buoy to pillar 60°41'45.0"N 17°14'24.4"E
				Buoy to R, can, Fl R 3s 60°41'23.6"N 17°14'29.0"E
<b>43242</b>	4Ed. 3/6/93 LAST NM 18/99	52/02	Add	Range light "E3", front FG 60°38'48.4"N 17°24'16.7"E
Delete	Marine farm symbol	64°01'19"N 9°56'51"E		Range light "E4", rear FG 60°38'47.9"N 17°24'29.6"E
Add	Danger circle [K40] "Obstn (Marine farm)" 64°01'21"N 10°00'43"E			Range line extending 274° direction from above rear light dashed for 1000 meters
	Danger circle [K40] "Obstn (Marine farm)" 64°00'47"N 10°01'13"E			Legend "Lights in line 094°00'" along above range line 60°38'30.0"N 17°24'30.0"E
	Danger circle [K40] "Obstn (Marine farm)" 63°57'30"N 10°03'46"E			Range light "E1", front QR 60°38'45.6"N 17°23'37.7"E
	Danger circle [K40] "Obstn (Marine farm)" 64°05'11"N 10°07'38"E			Range light "E2", rear Oc R 4s 60°38'38.9"N 17°23'36.5"E
	Danger circle [K40] "Obstn (Marine farm)" 64°04'49"N 10°09'57"E			Range line extending 004°30' direction from above rear light dashed for 1000 meters, thence solid for 2180 meters
	Danger circle [K40] "Obstn (Marine farm)" 64°06'51"N 10°15'07"E			Legend "Lights in line 184°30'" along above range line 60°40'10.0"N 17°23'49.0"E
	Danger circle [K40] "Obstn (Marine farm)" 64°09'31"N 10°10'00"E (18(772, 774, 775, 778)02 Stavanger)			Submarine cable (power) [L31.1] between 60°39'15.0"N 17°23'39.0"E 60°39'18.3"N 17°23'48.0"E
<b>43265</b>	2Ed. 12/27/97 LAST NM 44/02	52/02		Buoy R, spar, can topmark, QR 60°41'18.6"N 17°13'04.5"E
Delete	Light	62°21'46"N 6°34'45"E (21(906)02 Stavanger)		Buoy R, can, Fl R 3s 60°39'13.3"N 17°23'46.0"E
<b>44200</b>	9Ed. 7/20/96 LAST NM 34/02	52/02		Buoy R, can, Fl R 3s 60°39'03.7"N 17°23'44.7"E
Delete	Light	60°39.3"N 17°23.6"E		Buoy R, can, Fl R 3s 60°38'59.0"N 17°23'54.4"E
Add	Light QR, Oc R 6s	60°38.8"N 17°23.6"E		Buoy G, conical, Fl G 3s 60°39'03.0"N 17°23'39.6"E
	(18-19(246), 21(269)02 Norrkoping; BA LL)			Buoy G, conical, Fl G 3s 60°38'58.3"N 17°23'35.6"E
<b>44204</b>	1Ed. 12/27/86 LAST NM 48/02	52/02		Buoy G, conical, Fl G 3s 60°38'49.3"N 17°23'50.6"E
Delete	Light "Skutskar" and sector limits	60°39'15"N 17°23'39"E		Buoy BY, pillar, Q 60°39'10.0"N 17°23'37.4"E
Add	Range light, front QR	60°38'46"N 17°23'38"E		Buoy R, spar 60°39'08.4"N 17°23'33.6"E
	Range light, rear Oc R 6s	60°38'39"N 17°23'37"E		Buoy R, spar 60°39'03.6"N 17°23'31.2"E
				Buoy G, spar 60°39'31.2"N 17°23'40.9"E
				Buoy G, spar 60°39'25.0"N 17°23'39.9"E
				Buoy G, spar 60°38'56.1"N 17°23'39.2"E
				Buoy G, spar 60°38'48.5"N 17°23'13.5"E
				Buoy R, spar 60°38'59.0"N 17°24'05.5"E
				Buoy R, spar 60°39'09.4"N 17°23'45.5"E
				Buoy R, spar 60°39'31.1"N 17°23'48.5"E
				Buoy R, spar 60°39'24.8"N 17°23'47.7"E
				Buoy BYB, spar, double cone topmark bases together 60°40'21.2"N 17°23'28.6"E
				Buoy YB, pillar, double cone topmark points downward, Q(6) + L Fl 15s [Q130.3] 60°40'34"N 17°23'55"E
				Buoy YB, pillar, double cone topmark points downward, Q(6) + L Fl 15s [Q130.3] 60°40'34.0"N 17°23'54.9"E
<b>44205</b>	2Ed. 4/9/94 LAST NM 48/02	52/02		Solid line (recommended track) [M3] between 60°42'12.0"N 17°27'00.0"E 60°40'18.0"N 17°23'54.0"E
Delete	Light "Skutskar" and sector limits	60°39'15.0"N 17°23'39.0"E		Dashed line (dredged area limit) [I21] joining 60°39'31.2"N 17°23'40.9"E 60°39'17.3"N 17°23'39.6"E
				60°39'18.7"N 17°23'46.5"E 60°39'31.1"N 17°23'48.5"E
				and delete hydrography within above limits
				Legend "9m (2000)" 60°39'22.0"N 17°23'43.0"E
				Dashed line (dredged area limit) [I21] joining 60°39'17.3"N 17°23'39.6"E 60°38'58.3"N 17°23'35.6"E
				60°38'49.3"N 17°23'50.6"E 60°38'48.5"N 17°24'13.5"E
				60°38'49.4"N 17°24'15.1"E 60°38'59.0"N 17°24'05.5"E
				60°38'59.0"N 17°23'54.4"E 60°39'03.7"N 17°23'44.7"E
				60°39'18.7"N 17°23'46.5"E
				and delete hydrography within above limits
				Legend "8m (2000)" 60°38'53.0"N 17°23'48.0"E
				(continued on next page)

## SECTION I

<b>44205</b>	(Continued)				
	Solid line (quay) [F13] between	60°38'57.4"N 17°24'06.8"E 60°38'50.3"N 17°24'14.2"E			
	Solid line (shoreline) between	60°38'57.4"N 17°24'06.8"E 60°38'58.3"N 17°24'12.5"E			
	and add land tint and delete hydrography east of quay				
	Anchorage area "A" [N12.3] bound by purple dashed line joining	60°44'43.5"N 17°20'19.0"E 60°44'37.2"N 17°20'49.0"E 60°44'19.5"N 17°20'08.0"E 60°44'34.5"N 17°19'49.5"E			
	"ANCHORAGE AREA B" [N12.3] bound by purple dashed line joining	60°42'41.4"N 17°26'21.0"E 60°42'09.0"N 17°26'21.0"E 60°41'32.4"N 17°23'19.3"E 60°41'33.7"N 17°23'51.0"E 60°41'56.8"N 17°23'30.6"E 60°42'46.2"N 17°23'30.6"E			
	"ANCHORAGE AREA C" [N12.3] bound by purple dashed line joining	60°40'20.4"N 17°27'12.0"E 60°39'07.2"N 17°27'12.0"E 60°39'07.2"N 17°26'37.2"E 60°39'46.8"N 17°24'45.0"E 60°40'20.4"N 17°25'55.8"E			
	<b>(Plan)</b>				
Delete	Light and sector limits	60°41'26.4"N 17°13'34.2"E			
	Buoy	60°41'18.9"N 17°13'06.0"E			
Relocate	Buoy from 60°41'19.0"N 17°12'56.0"E to				
	60°41'18.0"N 17°12'58.2"E				
Change	Shape of buoy to pillar	60°41'45.0"N 17°14'24.4"E			
	Buoy to R, can Fl R 3s	60°41'23.6"N 17°14'29.0"E			
Add	Buoy (mooring)	60°41'17.7"N 17°12'52.5"E			
	Buoy (mooring)	60°41'40.0"N 17°13'47.0"E			
	Buoy R, spar, can topmark, QR	60°41'18.6"N 17°13'04.5"E			
(4(47), 6(79), 18-19(246), 21(269)02 Norrkoping; BA LL; Swd CH 5341)					
<b>51064</b>	2Ed. 4/13/96 LAST NM 52/99	52/02			
	<b>(Plan B)</b>				
Add	Depth 5.7 meters	38°42'45.8"N 27°03'15.0"W			
(5(140)02 Lisboa)					
<b>51144</b>	3Ed. 12/15/01 LAST NM 14/02	52/02			
Add	Depth 22.4 meters Obstn [K41]	38°41'18.6"N 9°08'46.2"W			
(5(138)02 Lisboa)					
<b>51146</b>	3Ed. 2/4/95 LAST NM 42/02	52/02			
Delete	Light	38°28'19.4"N 8°47'10.9"W			
	Light	38°28'20.0"N 8°47'09.1"W			
(4(132)02 Lisboa)					
<b>53141</b>	5Ed. 5/23/92 LAST NM 51/02	52/02			
Add	Dangerous wreck [K28]	40°54.46"N 12°55.95"E			
(11(2)99 Genova)					
<b>53242</b>	12Ed. 5/18/96 LAST NM 2/02	52/02			
Delete	Prohibited area and legend "ANCHORING AND FISHING PROHIBITED" in vicinity				
	38°00'00.0"N 13°42'30.0"E				
Add	Submarine pipeline [L41.1] between				
	37°59'27.6"N 13°41'57.0"E 38°00'26.4"N 13°42'57.0"E				
(16(4)99 Genova)					
<b>53265</b>	6Ed. 5/18/96 LAST NM 46/02	52/02			
Add	Submarine pipeline [L41.1] between				
	39°06'50.4"N 8°22'16.2"E 39°07'09.6"N 8°21'52.2"E				
(16(1)99 Genova)					
<b>53281</b>	4Ed. 12/27/97 LAST NM 40/02	52/02			
Add	Danger circle [K40] "Obstn (Marine farm)" marked by buoy Y, pillar, "X" topmark, Fl Y 5s				
		40°56'10"N 8°15'04"E			
	(See 9/99-53281)				
(20(3)99 Genova)					
<b>53283</b>	4Ed. 9/28/85 LAST NM 33/02	52/02			
Change	Light to Fl 5s 71m 11M				
(Ital LL)		40°58.70"N 9°38.70"E			
<b>54061</b>	11Ed. 2/8/97 LAST NM 41/01	52/02			
Add	Depth 0.3 meter "Rep"				
	<b>(Plan A)</b>				
Add	Submarine pipeline [L40.1] bound by chart border joining				
	40°28'33.8"N 17°13'17.8"E 40°28'18.0"N 17°13'52.8"E 40°28'05.0"N 17°14'13.0"E				
(11(9, 10)99 Genova)					
<b>54283</b>	5Ed. 11/30/96 LAST NM 20/02	52/02			
Change	Characteristic of light to Fl G 2s				
	38°57'26.0"N 20°45'21.3"E				
	Light to Fl G 3s 6m 4M				
(12(305)99 Athens)		38°53'33.0"N 21°08'58.0"E			
<b>54351</b>	7Ed. 11/26/94 LAST NM 32/01	52/02			
	<b>(Plan)</b>				
Change	Light to Fl G 3s 8m 4M				
(11(287)99 Athens)		39°21'08.0"N 22°56'30.0"E			
<b>54352</b>	3Ed. 8/10/96 LAST NM 35/01	52/02			
	<b>(Plan D)</b>				
Change	Light to Fl 3.3s 8m 5M				
(11(295)99 Athens)		39°50'42.1"N 25°09'41.7"E			
<b>54360</b>	12Ed. 9/22/90 LAST NM 20/02	52/02			
Change	Light to Q 22m 4M				
(11(290)99 Athens)		40°26'18"N 23°59'42"E			
<b>54362</b>	3Ed. 4/27/96 LAST NM 27/01	52/02			
Change	Light to Q 22m 4M				
	<b>(Plan A)</b>				
Change	Light to Q 22m 4M				
(11(290)99 Athens)		40°26'16.0"N 23°59'36.0"E			
<b>54364</b>	2Ed. 1/19/80 LAST NM 29/98	52/02			
Change	Light to Q 22m 4M				
(11(290)99 Athens)		40°26'18"N 23°59'38"E			
<b>54369</b>	4Ed. 4/6/96 LAST NM 15/02	52/02			
Change	Light to Fl 3.3s 8m 5M				
(11(295)99 Athens)		39°50'45"N 25°09'45"E			
<b>54389</b>	8Ed. 5/18/96 LAST NM 43/02	52/02			
Change	Light to Fl 4s 15m 5M				
	Light to Fl R 2s 7m 3M				
(11(299)99 Athens)		37°41'17"N 26°57'08"E 37°41'14"N 26°56'53"E			
<b>54402</b>	4Ed. 6/29/96 LAST NM 9/01	52/02			
	<b>(Plan A)</b>				
Change	Light to Fl WR 3.5s 4/3M				
	37°34'26"N 26°28'14"E				
	<b>(Plan C)</b>				
Change	Light to Fl WR 3.5s 18m 4/3M				
(11(298)99 Athens)		37°34'26.0"N 26°28'14.0"E			
<b>54403</b>	4Ed. 6/14/86 LAST NM 43/02	52/02			
Change	Light to Fl 4s 49ft 5M				
(11(299)99 Athens)		37°41'18"N 26°57'20"E			

## SECTION I

**NM 52/02**

<b>57381</b>	12Ed. 7/12/97 LAST NM 34/01 Substitute Dangerous wreck [K28] for stranded wreck 22°55'12.0"S 14°31'06.0"E Dangerous wreck [K28] for stranded wreck 22°55'25.0"S 14°30'50.0"E Depth 1.2 meters for 3 meters and extend depth contour (2-meter) W to enclose	52/02	<b>62490</b> 1Ed. 5/30/98 LAST NM 50/02 Add Racon [S3.1] to beacon "FBN" (45(4829)02 Taunton)	52/02 28°16.9'N 49°05.0'E
Add	Depth 0.8 meter enclosed by depth contour (2-meter) 22°56'34.8"S 14°29'25.9"E "Spoil Ground" area [N62.1] bound by dashed line joining 22°50'06.0"S 14°27'00.0"E 22°50'06.0"S 14°27'36.0"E 22°50'38.0"S 14°27'36.0"E 22°50'38.0"S 14°27'00.0"E "Anchorage No 1" area [N12.2] bound by dashed line joining 22°51'22.0"S 14°29'20.0"E 22°51'22.0"S 14°31'11.0"E 22°52'00.0"S 14°31'11.0"E 22°52'00.0"S 14°30'00.0"E "Anchorage No 2" area [N12.2] bound by dashed line joining 22°53'05.0"S 14°27'00.0"E 22°53'05.0"S 14°28'18.0"E 22°54'00.0"S 14°28'18.0"E 22°54'00.0"S 14°27'00.0"E		<b>62540</b> 6Ed. 1/26/02 LAST NM 50/02 Add Racon [S3.1] to beacon "FBN" (45(4829)02 Taunton)	52/02 28°16.9'N 49°05.0'E
Delete	<b>(Plan)</b> Depth 3 meters 22°55'32.0"S 14°30'50.3"E Depth 3 meters 22°55'23.1"S 14°31'03.8"E Depth 3 meters 22°55'19.0"S 14°31'12.5"E		<b>62541</b> 3Ed. 1/26/02 LAST NM N50/02 Add Racon [S3.1] to beacon "FBN" (45(4829)02 Taunton)	N52/02 28°16.9'N 49°05.0'E
Add	Depth 1.2 meters 22°55'19.8"S 14°31'14.8"E Depth 1.5 meters 22°55'22.9"S 14°31'05.6"E Depth 2.8 meters 22°55'27.0"S 14°30'53.1"E Depth 0.8 meter enclosed by depth contour (2-meter) 22°56'34.8"S 14°29'25.9"E Dangerous wreck [K28] 22°55'12.0"S 14°31'06.9"E and delete stranded wreck close SE Dangerous wreck [K28] 22°55'23.4"S 14°30'50.2"E and delete stranded wreck close SE (BA CH 4134)		<b>62560</b> 3Ed. 2/10/96 LAST NM 29/02 Add Racon [S3.1] to beacon "FBN" (45(4829)02 Taunton)	52/02 28°16'54"N 49°05'00"E
<b>62032</b>	15Ed. 3/25/95 LAST NM 50/02 Add Racon [S3.1] at light (45(4829)02 Taunton)	52/02 28°16.9'N 49°05.0'E	<b>63010</b> 14Ed. 1/18/86 LAST NM 31/02 Add Danger circle "Obstn" [K40] (PA) Light Fl 3s to superbuoy ODAS "DS6" (See 31/02-63010) (18(371), 21(418)02 Dehra Dun)	52/02 8°02.0'N 77°24.4"E 9°00.0'N 74°00.0'E
<b>62033</b>	2Ed. 7/6/96 LAST NM N50/02 Add Racon [S3.1] at light (45(4829)02 Taunton)	N52/02 28°16.9'N 49°05.0'E	<b>63015</b> 11Ed. 2/4/84 LAST NM 40/02 Add Wreck [K29] (19(386)02 Dehra Dun)	52/02 9°46.6'N 83°13.2'E
<b>62411</b>	1Ed. 5/23/98 LAST NM 6/00 Change Characteristic of beacon to Q Characteristic of beacon to Q (45(4828)02 Taunton)	52/02 25°55'46.2"N 51°36'02.5"E 25°55'50.4"N 51°35'30.6"E	<b>63091</b> 4Ed. 3/12/83 LAST NM 48/02 Relocate Buoy from 21°08'33"N 72°33'20"E to 21°08'38"N 72°32'56"E (See 48/02-63091)	52/02 11°56.6'N 75°18.1'E
<b>62417</b>	1Ed. 5/23/98 LAST NM 6/00 Change Characteristic of beacon to Q Characteristic of beacon to Q (45(4828)02 Taunton)	52/02 25°55'46.2"N 51°36'02.5"E 25°55'50.4"N 51°35'30.6"E	<b>63120</b> 2Ed. 9/19/81 LAST NM 48/02 Change Visibility (range) of light to 10M (19(382)02 Dehra Dun)	52/02 11°56.6'N 75°18.1'E
<b>62434</b>	9Ed. 12/8/01 LAST NM 46/02 Delete Stranded wreck "Rep(1991)" (PA)	52/02 29°48'59.1"N 48°22'00.0"E	<b>63200</b> 5Ed. 1/29/94 LAST NM 43/01 Change Visibility (range) of light to 10M (19(382)02 Dehra Dun)	52/02 11°56.6'N 75°18.1'E
	Legend "Rep(2000)" from dangerous wreck 29°40'00.0"N 48°45'00.0"E		<b>63210</b> 3Ed. 11/23/85 LAST NM 45/02 Add Danger circle "Obstn" [K40] (PA) (18(371)02 Dehra Dun)	52/02 8°02.0'N 77°24.4"E
	Buoy "1" 29°41'12.1"N 48°43'39.0"E		<b>63220</b> 5Ed. 9/8/01 LAST NM 45/02 Add Danger circle "Obstn" [K40] (PA) (18(371)02 Dehra Dun)	52/02 8°02.0'N 77°24.4"E
Substitute	Dangerous wreck (PA) for stranded wreck "Rep(1991)" (PA)	29°50'59.0"N 48°22'59.0"E	<b>63271</b> 8Ed. 7/10/93 LAST NM 19/02 Add Superbuoy ODAS [Q58] "SW6" Y, Fl 3s Ra Ref (18(362)02 Dehra Dun)	52/02 13°12'04"N 80°23'10"E
Add	Buoy "No2" R, can, Fl(4) R 20s 29°41'22.0"N 48°43'59.0"E		<b>71271</b> 10Ed. 4/13/96 LAST NM 34/02 Substitute Buoy BY, pillar, double cone topmark points upward, Q for beacon (30/02 Malaysia)	52/02 3°20'00"N 100°59'59"E
	Designation "N23" to beacon Designation "N21" to beacon Depth 4.6 meters Wk [K26]	29°45'50.0"N 48°26'57.0"E 29°47'34.0"N 48°25'37.0"E 29°39'15.0"N 48°30'10.0"E	<b>71285</b> 3Ed. 5/8/99 LAST NM 34/02 Substitute Buoy BY, pillar, double cone topmark points upward, Q for beacon (30/02 Malaysia)	52/02 3°20'00"N 100°59'59"E
	(BA CH 1235)		<b>71295</b> 2Ed. 1/2/99 LAST NM 40/02 Substitute Buoy BY, pillar, double cone topmark points upward, Q for beacon (30/02 Malaysia)	52/02 3°20.0'N 100°59.9"E
			<b>71440</b> 1Ed. 8/29/87 LAST NM 49/02 Delete Buoy "Tanjung Balau" (Supersedes 24/02-71440) (35/02 Malaysia)	52/02 1°37.6'N 104°18.0'E

<b>73000</b>	9Ed. 2/3/96 LAST NM 40/02 Add Light symbol [P1] (43(356)99 Jakarta)	52/02 1°11.4'N 124°34.0'E	<b>94123</b>	9Ed. 5/11/96 LAST NM 44/02 Add Wreck [K29] (59/02 Tso-ying)	52/02 25°22'34"N 121°33'20"E
<b>73012</b>	5Ed. 5/10/97 LAST NM 48/02 Add Light Fl 10M (43(356)99 Jakarta)	52/02 1°11.4'N 124°34.0'E	<b>94160</b>	7Ed. 3/23/96 LAST NM 51/02 Add Wreck [K29] (59/02 Tso-ying)	52/02 25°22.6'N 121°33.3'E
<b>73014</b>	10Ed. 4/5/80 LAST NM 48/02 Add Light Fl 10M (43(356)99 Jakarta)	52/02 1°11.4'N 124°34.0'E	<b>94203</b>	10Ed. 11/21/98 LAST NM 47/02 Add Dangerous wreck [K28] "Rep (2002)" (PA) Dangerous wreck [K28] "Rep (2002)" (PA)	52/02 30°20'54"N 121°51'33"E 30°21'38"N 121°55'50"E
<b>73580</b>	4Ed. 6/14/97 LAST NM 33/97 Change Visibility (range) of light to 10M (BA LL)	52/02 9°29'47"S 147°11'20"E		Submarine cable [L30.1] joining	30°04'18"N 121°55'30"E 30°03'54"N 121°54'30"E 30°03'48"N 121°53'57"E
<b>73581</b>	4Ed. 8/15/98 LAST NM 16/02 Change Visibility (range) of light to 10M (BA LL)	52/02 9°29'47.4"S 147°11'19.9"E	<b>94206</b>	3Ed. 3/8/86 LAST NM 47/02 Add Dangerous wreck [K28] "Rep (2002)" (PA) Dangerous wreck [K28] "Rep (2002)" (PA)	52/02 30°21'39"N 121°55'38"E 30°20'59"N 121°51'17"E
<b>73590</b>	6Ed. 7/5/97 LAST NM 47/02 Change Visibility (range) of light to 10M (BA LL)	52/02 9°29.8'S 147°11.3'E	<b>94207</b>	5Ed. 4/6/96 LAST NM N47/02 Add Dangerous wreck [K28] "Rep (2002)" (PA) Dangerous wreck [K28] "Rep (2002)" (PA)	N52/02 30°21'38"N 121°55'50"E 30°20'54"N 121°51'33"E
<b>74287</b>	2Ed. 6/13/98 LAST NM 38/02 Change Note No. 2 of NOTE to "2. Tidal heights for Torres Strait are broadcast from Hammond Island on VHF Channel 68 and are also available from a telephone answering service (070) 4069 2821." (19(592)02 Wollongong)	52/02 10°31'12.0"S 141°50'18.0"E		Submarine cable [L30.1] joining	30°04'18"N 121°55'30"E 30°03'54"N 121°54'30"E 30°03'48"N 121°53'57"E
<b>75171</b>	22Ed. 4/3/99 LAST NM 48/02 Change Height of light to 7m (22(699)02 Wollongong)	52/02 38°00'41"S 145°05'04"E	<b>95060</b>	13Ed. 8/5/95 LAST NM 48/02 Delete Beacon	52/02 36°21.8'N 126°42.5'E
<b>75177</b>	7Ed. 6/20/98 LAST NM 50/02 Change Height of light to 7m (22(699)02 Wollongong)	52/02 38°00'41.5"S 145°05'04.0"E	<b>95080</b>	13Ed. 6/24/95 LAST NM 50/02 Add Beacon BRB, double ball topmark, Fl(2) 5s 17m 8M [Q130.4]	52/02 36°39'14"N 126°07'13"E
<b>75207</b>	2Ed. 11/9/96 LAST NM 36/02 Change Legend to "Leading Lights 127°41" 41°01'50.0"S 146°43'31.5"E	52/02	<b>95084</b>	7Ed. 6/11/94 LAST NM 50/02 Add Light Fl 5s 32m 17M	52/02 34°45'33.0"N 126°13'26.0"E
	Characteristic of light to Q	41°08'25.4"S 146°52'43.5"E		(ROK LL; 44(471)99 Inchon)	34°39'14"N 126°07'13"E
<b>Change</b>	<b>(Plan B)</b>		<b>95085</b>	4Ed. 6/11/94 LAST NM 45/02 Add Light Fl 5s 32m 17M	52/02 34°45'33.0"N 126°13'26.0"E
<b>Change</b>	Characteristic of light to Q (BA LL)	41°08'25.4"S 146°52'43.5"E		Buoy (mooring) [Q40] "A" Buoy (mooring) [Q40] "B" Buoy (mooring) [Q40] "C" Depth 5.8 meters Rk	34°45'10.3"N 126°21'52.6"E 34°44'01.0"N 126°22'14.8"E 34°43'55.5"N 126°22'28.6"E 34°45'43.8"N 126°19'38.6"E
<b>75213</b>	2Ed. 7/8/95 LAST NM 36/02 Change Legend to "Lts in line 127°41" (BA LL)	52/02 41°01'50"S 146°43'20"E	<b>95086</b>	5Ed. 6/18/94 LAST NM 45/02 Add Buoy (mooring) [Q40] "A" Buoy (mooring) [Q40] "B" Buoy (mooring) [Q40] "C" Depth 5.8 meters Rk	52/02 34°45'10.3"N 126°21'52.6"E 34°44'01.0"N 126°22'14.8"E 34°43'55.5"N 126°22'28.6"E 34°45'43.8"N 126°19'38.6"E
<b>75215</b>	2Ed. 1/24/98 LAST NM 40/02 Change Legend to "Lts in line 127°41" (BA LL)	52/02 40°59'45"S 146°40'03"E	<b>95100</b>	12Ed. 3/2/96 LAST NM 50/02 Add Racon [S3.1] at light	52/02 33°43'51"N 126°21'29"E
<b>94004</b>	6Ed. 9/2/95 LAST NM 44/02 Add Wreck [K29] (59/02 Tso-ying)	52/02 25°22.6'N 121°33.3'E	<b>95102</b>	8Ed. 8/12/95 LAST NM 50/02 Delete Building symbol	52/02 34°10'58"N 126°51'14"E
<b>94016</b>	2Ed. 9/23/95 LAST NM 35/02 Add Wreck [K29] (59/02 Tso-ying)	52/02 25°22.6'N 121°33.3'E	<b>95102</b>	Add Dashed line (bridge under construction) between	34°26'29"N 126°49'50"E 34°26'54"N 126°49'47"E
<b>94028</b>	7Ed. 9/16/95 LAST NM 42/02 Add Racon [S3.1] at light (2(16)02 Inchon)	52/02 33°43.8'N 126°21.5'E		(49(541, 543)99 Inchon)	
<b>94120</b>	6Ed. 9/9/95 LAST NM 48/02 Add Wreck [K29] (59/02 Tso-ying)	52/02 25°22.6'N 121°33.3'E			

## SECTION I

NM 52/02

<b>95103</b>	8Ed. 5/18/96 LAST NM 47/02 Add Racon [S3.1] at light (2(16)02 Inchon)	52/02 33°43'51"N 126°21'29"E	<b>95149</b>	9Ed. 6/12/99 LAST NM 49/02 Relocate Buoy "B" from 35°04'33"N 128°46'49"E to 35°04'39"N 128°46'51"E Buoy "C" from 35°04'52"N 128°46'52"E to 35°04'54"N 128°46'52"E	52/02
<b>95120</b>	7Ed. 12/2/95 LAST NM 43/02 Add Submarine cable [L30.1] joining  Racon [S3.1] at light (2(16), 23(132)02 Inchon)	52/02 33°47'12"N 128°23'48"E 33°37'00"N 128°17'05"E 32°30'49"N 128°09'51"E 31°55'51"N 128°40'22"E 31°55'12"N 128°40'06"E  33°43'51"N 126°21'29"E	Add Light Fl G 5s 15m 5M  Submarine cable [L30.1] joining  Submarine cable [L30.1] between (50(553)99, 23(132), 44(604)02 Inchon)	35°00'42"N 128°49'30"E 35°09'50"N 129°13'05"E 35°09'39"N 129°14'05"E 35°08'00"N 129°15'05"E 35°06'03"N 129°16'57"E 35°05'40"N 129°17'13"E 35°03'25"N 129°18'42"E 35°01'42"N 129°19'41"E 35°00'33"N 129°19'56"E 34°58'34"N 129°18'51"E 35°52'08"N 129°15'33"E  Submarine cable [L30.1] joining 35°09'28"N 129°13'00"E 35°06'39"N 129°15'23"E	35°00'42"N 128°49'30"E 35°09'50"N 129°13'05"E 35°09'39"N 129°14'05"E 35°08'00"N 129°15'05"E 35°06'03"N 129°16'57"E 35°05'40"N 129°17'13"E 35°03'25"N 129°18'42"E 35°01'42"N 129°19'41"E 35°00'33"N 129°19'56"E 34°58'34"N 129°18'51"E 35°52'08"N 129°15'33"E  Submarine cable [L30.1] joining 35°09'5.5"N 129°13.0"E 35°06.3"N 129°15.4"E 35°03.5"N 129°09.0"E
<b>95138</b>	8Ed. 2/5/94 LAST NM 50/02 Add Legend "Works in progress (1999)" (50(558)99 Inchon)	52/02 34°45'14.0"N 127°45'14.0"E	<b>95160</b>	13Ed. 8/19/95 LAST NM 47/02 Add Submarine cable [L30.1] joining	52/02 35°09.8"N 129°13.1"E 35°09.7"N 129°14.1"E 35°08.0"N 129°15.1"E 35°06.0"N 129°16.9"E 35°05.7"N 129°17.2"E 35°03.4"N 129°18.7"E 35°01.7"N 129°19.2"E 35°00.6"N 129°19.9"E 34°58.6"N 129°18.8"E 34°52.1"N 129°15.5"E  Submarine cable [L30.1] joining 35°09.5"N 129°13.0"E 35°06.3"N 129°15.4"E 35°03.5"N 129°09.0"E
<b>95140</b>	15Ed. 10/7/95 LAST NM 49/02 Add Submarine cable [L30.1] joining	52/02 35°09'50"N 129°13'05"E 35°09'39"N 129°14'05"E 35°08'00"N 129°15'05"E 35°06'03"N 129°16'57"E 35°05'40"N 129°17'13"E 35°03'25"N 129°18'42"E 35°01'42"N 129°19'41"E 35°00'33"N 129°19'56"E 34°58'34"N 129°18'51"E 35°52'08"N 129°15'33"E  Submarine cable [L30.1] joining 35°09'24"N 129°13'00"E 35°06'18"N 129°15'23"E 34°43'12"N 129°00'57"E 34°39'13"N 129°00'37"E 34°39'25"N 128°56'16"E 34°39'20"N 128°55'24"E 34°34'27"N 128°51'49"E 34°34'07"N 128°50'26"E 33°56'52"N 128°27'17"E 33°47'27"N 128°23'53"E 33°45'00"N 128°22'15"E  (23(132)02 Inchon)	  Submarine cable [L30.1] joining 35°09'5.5"N 129°13.0"E 35°06.3"N 129°15.4"E 35°03.5"N 129°09.0"E		
<b>95141</b>	8Ed. 8/5/95 LAST NM 50/02 Substitute Double solid line (breakwater extension under construction) for double dashed line between 34°35'51"N 127°32'04"E 34°36'00"N 127°31'56"E	52/02	<b>95169</b>	2Ed. 2/26/94 LAST NM 50/02 Add Purple composite line with legend "Prohibited Area (see Note)" [N2.2] between 38°12'41.5"N 128°36'06.9"E 38°11'56.3"N 128°36'50.6"E  Purple composite line with legend "Prohibited Area (see Note)" [N2.2] between 38°11'52.9"N 128°36'53.0"E 38°11'52.9"N 128°37'37.0"E	52/02
<b>95142</b>	9Ed. 12/15/01 LAST NM 50/02 (Plan A) Delete Beacon	52/02 34°50'10.5"N 128°24'59.5"E	  Purple composite line with legend "Prohibited Area (see Note)" [N2.2] joining 38°12'45.7"N 128°37'37.0"E 38°12'48.8"N 128°37'31.2"E 38°12'48.8"N 128°36'09.6"E  Note "NOTE All vessels more than 100 gross tons are prohibited to enter through this area except fishing, patrol and military vessels." 38°30'30.0"N 128°34'43.0"E		
	Add Designation "7" to beacon	34°50'12.5"N 128°24'58.4"E			
	Beacon "8" R, cone topmark, Fl R 5s 10m 8M Racon (2(15)02 Inchon)	34°50'10.2"N 128°24'58.8"E			
<b>95144</b>	9Ed. 5/15/99 LAST NM 50/02 Add Light Fl R 6s 10m 5M Light Fl R 4s 12m 5M Light Fl R 4s 11m 5M Light Fl R 4s 11m 5M (50(554), 556)99, 2(13, 14)02 Inchon)	52/02 34°55'20"N 128°31'26"E 34°46'18"N 128°28'19"E 34°42'58"N 128°35'09"E 34°50'29"N 128°34'39"E	<b>95173</b>	1Ed. 11/27/93 LAST NM 50/02 Change Height of light to 14m (48(514)99 Inchon)	52/02 37°53'11.3"N 128°50'02.8"E
			<b>95174</b>	1Ed. 8/7/93 LAST NM 50/02 Change Height of light to 14m (See 39/97-95174) (48(514)99 Inchon)	52/02 37°53'11.3"N 128°50'02.8"E
<b>95146</b>	14Ed. 5/14/94 LAST NM 50/02 Add Light Fl G 5s 15m 5M	52/02 35°00'42"N 128°49'30"E	<b>95282</b>	7Ed. 7/14/90 LAST NM 46/02 Delete Position circle "(G Lt)" (See 46/02-95282)	52/02 35°33'46.4"N 135°23'52.2"E
	Dashed line (breakwater under construction) between 35°00'37"N 128°49'29"E 35°00'41"N 128°49'27"E		Add Double solid line with land tint (breakwater extension) between 35°33'46.4"N 135°23'52.2"E 35°33'45.8"N 135°23'51.2"E		
	Light Fl R 6s 10m 5M	34°55'20"N 128°31'26"E		Light Fl G 3s 8m 3M (48(1987)98 Tokyo)	35°33'45.8"N 135°23'51.2"E
	Buoy "B" Y, pillar, "X" topmark, Fl(4) Y 8s 35°04'39"N 128°46'51"E				
	Buoy "C" Y, pillar, "X" topmark, Fl(4) Y 8s 35°04'54"N 128°46'52"E (50(553, 554)99, 44(604)02 Inchon)				
			<b>95300</b>	5Ed. 8/3/91 LAST NM 48/02 Change Light to Oc G 6M (46(1915)98 Tokyo)	52/02 35°30'31"N 133°39'42"E

<b>96944</b>	6Ed. 7/25/98 LAST NM 45/02 <b>(Plan A)</b>	52/02	Depth 7.9 meters Depth 7.8 meters Depth 7.5 meters Depth 7.6 meters Depth 8 meters Buoy Y, conical, (Y Lt) Buoy Y, conical, (Y Lt) Buoy Y, conical, (Y Lt) Buoy Y, conical, (Y Lt) Buoy G, conical, (G Lt) Buoy R, conical, (R Lt)	34°30'10.0"N 133°40'12.4"E 34°30'13.0"N 133°40'13.0"E 34°30'11.0"N 133°40'18.0"E 34°30'13.1"N 133°40'23.6"E 34°30'14.0"N 133°40'26.0"E 34°30'02.4"N 133°40'04.8"E 34°30'09.3"N 133°40'05.9"E 34°30'15.0"N 133°40'17.4"E 34°30'17.0"N 133°40'30.8"E 34°28'30.1"N 133°39'50.3"E 34°28'29.9"N 133°39'56.2"E
Add	Double solid line with land tint (breakwater) [F4.1] between 40°49'50.3"N 140°44'38.5"E 40°49'49.6"N 140°44'37.6"E			
	Double solid line with land tint (breakwater) extension) between 40°49'53.3"N 140°44'37.9"E 40°49'53.1"N 140°44'38.2"E			
	Double solid line with land tint (breakwater) [F4.1] between 40°50'07.9"N 140°45'36.0"E 40°50'05.0"N 140°45'34.1"E			
	(47(1954)98 Tokyo)		(50(2059), 51(2105)98 Tokyo)	
<b>96945</b>	3Ed. 2/1/97 LAST NM 43/02 Change Characteristic of light to Oc(3) 10s	52/02	42°13'25"N 139°48'55"E	34°03'26"N 131°45'22"E
	(48(1985)98 Tokyo; Jpn LL)			
<b>97061</b>	3Ed. 4/5/86 LAST NM 33/01 Add Light Fl R 4s 7m 3M	52/02	38°51'44"N 141°36'37"E	34°03'20.0"N 131°45'30.0"E
	(46(1916)98 Tokyo)			
<b>97190</b>	2Ed. 6/21/97 LAST NM 39/02 Change Light to Fl(2) 8s 21m 9M	52/02	33°26'58"N 135°48'01"E	31°38.8'N 131°28.1'E
	(45(1868)98 Tokyo)			
<b>97200</b>	9Ed. 8/26/95 LAST NM 11/02 Change Light to Fl(2) 8s 21m 9M	52/02	33°26'58"N 135°48'01"E	30°44.6'N 130°58.9'E
	(45(1868)98 Tokyo)			
<b>97202</b>	15Ed. 8/23/97 LAST NM 44/02 Change Visibility (range) of beacon to 12M	52/02	34°02'18.0"N 134°37'54.0"E	33°42.3'N 129°43.0'E
	(49(2028)98 Tokyo)			
<b>97204</b>	9Ed. 2/12/94 LAST NM 45/02 Delete Dangerous wreck (Supersedes 29/02-97204)	52/02	34°37'51.4"N 135°06'52.9"E	33°42'17"N 129°42'59"E
	(44(1525)02 Tokyo)			
<b>97221</b>	20Ed. 1/17/98 LAST NM 49/02 Change Visibility (range) of beacon to 12M	52/02	34°02'18"N 134°37'54"E	33°02'09"N 130°25'10"E
	(49(2028)98 Tokyo)			
<b>97230</b>	18Ed. 7/5/97 LAST NM 36/02 Delete Dangerous wreck (Supersedes 29/02-97230)	52/02	34°37'51.4"N 135°06'52.9"E	31°38.8'N 131°28.1'E
	(44(1525)02 Tokyo)			
<b>97246</b>	7Ed. 3/28/98 LAST NM 43/02 Delete Depth 3.2 meters	52/02	34°30'03.0"N 133°40'01.5"E	24°37.9'N 123°26.9'E
	Depth 3 meters		34°30'06.5"N 133°40'02.0"E	
	Depth 2.6 meters		34°30'07.2"N 133°40'04.0"E	
	Depth 2.4 meters		34°30'06.5"N 133°40'06.8"E	
	Depth 2.5 meters		34°30'08.7"N 133°40'06.0"E	
	Depth 2.7 meters		34°30'11.5"N 133°40'09.0"E	
	Depth 2.6 meters		34°30'12.8"N 133°40'11.4"E	
	Depth 2.5 meters		34°30'09.5"N 133°40'12.8"E	
	Depth 2.7 meters		34°30'14.8"N 133°40'13.5"E	
	Depth 2.2 meters		34°30'12.8"N 133°40'15.0"E	
	Depth 1.8 meters		34°30'10.0"N 133°40'16.0"E	
	Depth 2 meters		34°30'15.0"N 133°40'15.2"E	
	Depth 1.7 meters		34°30'14.8"N 133°40'18.4"E	
	Depth 1.8 meters		34°30'14.7"N 133°40'21.2"E	
	Depth 1.8 meters		34°30'14.5"N 133°40'24.8"E	
	Depth 1.4 meters		34°30'14.5"N 133°40'27.0"E	
Substitute	Solid line for dashed line in vicinity		34°30'10.0"N 133°40'29.4"E	
Add	"Under reclamation (1998)" area bound by shore and dashed line joining		34°30'02.3"N 133°40'08.9"E 34°30'07.2"N 133°40'09.0"E 34°30'14.8"N 133°40'28.5"E 34°30'14.6"N 133°40'40.8"E	24°37'55"N 123°26'54"E
	Depth 8 meters		34°30'04.0"N 133°40'05.0"E	
	Depth 8.5 meters		34°30'07.2"N 133°40'05.5"E	
	Depth 13.3 meters		34°30'07.7"N 133°40'09.1"E	

## SECTION I

NM 52/02

Chart 11506

NM 52/02

BRUNSWICK HARBOR CHANNEL DEPTHS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2002						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
BAR CHANNEL (ST SIMON RANGE)	27.5	29.5	A28.0	9-02	500	7.7 32
PLANTATION CREEK RANGE	34.0	39.0	39.5	9-02	400	1.8 32
JEKYLL ISLAND RANGE	29.0	31.0	32.0	9-02	400	1.9 30
CEDAR HAMMOCK RANGE	30.0	31.5	31.0	9-02	400	1.4 30
BRUNSWICK PT CUT RANGE	28.0	28.5	27.0	9-02	400	2.4 30
EAST RIVER LOWER REACH	B29.0	30.0	29.0	9-02	400	1.1 30
UPPER REACH	27.0	27.0	25.5	9-02	350	1.0 27
EAST RIVER TURNING BASIN	26.5	26.5	26.5	9-02	750	0.2 30
TURTLE RIVER LOWER RANGE	34.0	31.0	30.0	9-02	300	1.7 30
BLYTHE ISLAND RANGE	31.0	26.0	25.0	9-02	300	1.5 30
TURTLE RIVER UPPER RANGE	28.0	27.0	26.0	9-02	300	1.7 30
SOUTH BRUNSWICK RIVER	31.0	31.0	29.5	9-02	400	1.3 30
A. OBSTRUCTION REPORTED WITH A DEPTH OF 29 FEET, LOCATED AT 31°04'06.6"N; 081°16'35.7"W. B. THE EAST RIVER, LOWER REACH WIDENER LEAST DEPTHS WERE 27.0 FEET, LOCATED 50 FEET INSIDE THE CHANNEL LIMIT, AND 31.0 FEET, LOCATED 150 FEET INSIDE THE CHANNEL LIMIT FROM THE LEFT SIDE. NOTE - FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 50 FEET INSIDE THE CHANNEL LIMITS. (EXCEPT FOR THE EAST RIVER TURNING BASIN) NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

Chart 12304

NM 52/02

DELAWARE RIVER CHANNEL DEPTHS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2002						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
BRANDYWINE RANGE	41.7	41.0	41.1	40.9	7-02	1000 10.94 40
MAIH MAULL RANGE	41.1	41.3	41.0	39.8	7-02	1000 7.02 40
CROSS LEDGE RANGE	41.7	43.0	44.1	44.1	7-02	1000 3.39 40
LISTON RANGE (BELOW SHIP JOHN LIGHT)	41.5	40.7	41.4	41.0	6-02	1000 5.57 40
LISTON RANGE (ABOVE SHIP JOHN LIGHT)	40.7	40.8	40.9	38.4	6-02	1000-800 12.42 40
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

Chart 12311

NM 52/02

DELAWARE RIVER CHANNEL DEPTHS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2002						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
LISTON RANGE (ABOVE SHIP JOHN LIGHT)	40.7	40.8	40.9	38.4	6-02	1000-800 12.42 40
BAKER RANGE	46.2	46.0	44.7	39.3	6-02	800 1.65 40
REEDY ISLAND RANGE	40.5	40.7	40.5	39.5	6-02	800 4.28 40
NEW CASTLE RANGE	38.0	41.6	40.6	38.5	7-02	800 4.34 40
BULKHEAD BAR RANGE	44.9	47.2	43.6	38.9	5-02	1600 0.56 40
DEEPWATER POINT RANGE	41.2	43.4	42.9	38.1	9-02	800 3.76 40
CHERRY ISLAND RANGE	41.4	42.3	43.2	42.4	8-02	800 4.33 40
BELLEVUE RANGE	40.9	42.0	42.6	42.0	8-02	800 3.05 40
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

# SECTION I

NM 52/02

Chart 12312

NM 52/02

DELAWARE RIVER CHANNEL DEPTHS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2002						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	
CHERRY ISLAND RANGE	41.4	42.3	43.2	42.4	8-02	800 4.33 40
BELLEVUE RANGE	40.9	42.0	42.6	42.0	8-02	800 3.05 40
MARCUS HOOK RANGE	40.8	41.3	41.1	42.7	9-02	800 4.25 40
CHESTER RANGE	41.0	41.5	41.5	41.1	7-02	800 1.82 40
EDDYSTONE RANGE	41.1	41.0	42.6	40.8	7-02	800 1.08 40
TINICUM RANGE	41.0	41.5	40.8	39.6	7-02	800 3.03 40
BILLINGSPORT RANGE	41.8	41.8	44.8	40.6	7-02	800 1.15 40
MIFFLIN RANGE	40.1	41.3	41.9	41.3	3-02	800 2.83 40
EAGLE POINT RANGE (NAVY YARD)	41.7	42.6	42.3	43.2	4-02	800 1.74 40
HORSESHOE BEND	38.9	45.7	45.5	43.4	4-02	800-500 0.80 40
HORSESHOE RANGE AND REACH M	39.7	42.8	45.0	43.9	4-02	500-400 1.17 40
BENJAMIN FRANKLIN BRIDGE	33.8	47.5	42.2	40.9	4-02	400 2.95 40
BENJAMIN FRANKLIN BRIDGE TO CAMBRIA ST.	40.7	40.5	41.1	41.3	5-02	400 2.00 40
CAMBRIA ST. TO ALLEGHENY AVE.	40.1	40.1	40.0	38.7	5-02	400 0.42 40
FISHER POINT RANGE	41.5	42.4	40.9	41.0	12-00	400 0.70 40
FISHER CHANNEL	42.7	42.7	43.4	42.6	12-00	400 0.31 40
DRAW CHANNEL	43.1	43.5	44.3	43.6	12-00	400 0.74 40
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

Chart 12313

NM 52/02

DELAWARE RIVER CHANNEL DEPTHS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2002						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	
TINICUM RANGE	41.0	41.5	40.8	39.6	7-02	800 3.03 40
BILLINGSPORT RANGE	41.8	41.8	44.8	40.6	7-02	800 1.15 40
MIFFLIN RANGE	40.1	41.3	41.9	41.3	3-02	800 2.83 40
EAGLE POINT RANGE (NAVY YARD)	41.7	42.6	42.3	43.2	4-02	800 1.74 40
HORSESHOE BEND	38.9	45.7	45.5	43.4	4-02	800-500 0.80 40
HORSESHOE RANGE AND REACH M	39.7	42.8	45.0	43.9	4-02	500-400 1.17 40
BENJAMIN FRANKLIN BRIDGE	33.8	47.5	42.2	40.9	4-02	400 2.95 40
BENJAMIN FRANKLIN BRIDGE TO CAMBRIA ST.	40.7	40.5	41.1	41.3	5-02	400 2.00 40
CAMBRIA ST. TO ALLEGHENY AVE.	40.1	40.1	40.0	38.7	5-02	400 0.42 40
FISHER POINT RANGE	41.5	42.4	40.9	41.0	12-00	400 0.70 40
FISHER CHANNEL	42.7	42.7	43.4	42.6	12-00	400 0.31 40
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 2/02 THROUGH NM 52/02**

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.
12	1	45/02	11318	1	N6,N7,N12,N21,N29, N46/02	11373	42	31*,33,37,40,41,42,45, 49/02	11505	1	4,11,16,18,26,28,31,34, 40,49/02
50	5	5.8,17/02	11319	30	11,13,25,40/02	11374	31	45*,49,50/02	11506	39	5,12,18,25,32,35,39,49, 52/02
51	1	7/02	11320	1	N8,N9,N28/02	11375	34	4,6,7,8,9,10,17,23,25,28,	11507	30	24,34,48/02
52	1	14,18/02	11321	29	12*,22,28,39,40,41,45/02	11376	48	9*,13,15,16,21,22,23,25, 27,29,31,40,43,50/02	11509	27	12*,20/02
53	2	5.17/02	11322	27	21,22,24,36,37,49/02	11377	4	26*,40,50/02	11510	18	34/02
101	3	48/02	11323	59	26*,28,33,37,39,45/02	11378	31	10*,16,18,22,23,25,27, 30,32,40,50/02	11511	16	12/02*
108	9	12,13,32,35/02	11324	32	22*,24,25,31,33,37/02	11382	39	46/02*	11512	58	10,15,16,18,20,26,28,31, 34,40,48,49/02
400	3	23,26,31,32,33,35,45/02	11325	34	19*,21,24,35,37,49/02	11383	49	19*,22,27,30,32/02	11513	23	4,18,32,49/02
401	5	22,23,26,31,33,35,45/02	11326	30	4,5,6,7,8,9,10,11,15,16, 21,22,24,25,31,33,36,37, 46/02*	11384	32	3,10,18,22,30,32/02	11514	26	37*,40,49/02
411	48	11,13,16,22,23,26,31,32, 33,35,40,42,45,50/02	11327	30	5,7,10,11,16,21,22,24,28, 37,49/02	11385	25	23/02*	11515	17	10/02*
500	7	5/02	11328	22	6,7,9,10,21,36,37,39,47, 49/02	11388	16	7,10,17/02	11516	29	7*,18,24,37,49/02
501	11	6,8,10,34,38/02	11329	34	12*,21,24,36,37,39,47, 49/02	11389	32	2*,7,8,11,18,23,28,33, 37/02	11517	17	32/02
502	2	52/02	11330	13	4,6,7,8,9,10,11,12,15,16, 17,19,22,23,24,25,26,28,	11390	22	23*,27,33,34,37/02	11518	32	6,15,16,32,35,43,48, 52/02
507	2	45/02	11331	18	11,17,23/02	11391	22	6,8,18,23,33,34/02	11520	40	31*,39,40,44,46,51/02
508	2	15,24,45/02	11332	28	42*,43,49,51/02	11392	6	2,10,34/02	11521	26	15*,17,32,35/02
509	4	14/02	11333	1	N28/02	11393	20	5*,7,8,11,18/02	11523	21	15*,17,32,35,52/02
513	6	5,17,38/02	11340	66	4,5,6,7,8,9,10,11,12,13, 14,15,16,17,19,22,23,24, 25,26,27,28,29,30,31,32, 33,34,35,36,37,39,40,42,	11394	34	9*,11,23,39/02	11524	45	13*,16,21,32,35,43,48, 52/02
520	127	5.8,20,38/02	11341	38	6,7,9,10,11,12,16,18,21, 22,23,24,28,30,31,34,36, 37,39,43/02	11400	29	8,23/02	11525	6	N2,N12,N14,N17,N19, N23,N39,N40,N44,N46, N51/02
521	11	5.17/02	11342	51	7,11,14,17,21,23,24,30, 37,43/02	11401	21	15,23,50/02	11527	16	12,37/02
522	87	14,18/02	11343	36	7,17,21,23,37,40,49/02	11402	28	31/02*	11531	21	31/02*
523	8	5.17/02	11344	34	5,7,10,12,13,16,17,19,24, 28,30,38,40,43,47,49, 51/02	11403	22	6,8,18,23,33,34/02	11532	20	15*,37/02
524	12	14,18,47/02	11345	30	10,12,16,40,51/02	11404	14	43*,45/02	11534	31	2*,9,13,14,32/02
525	3	14,18/02	11346	33	42*,43,47,51/02	11405	41	42*,45/02	11535	12	12*,25,46/02
526	10	7,9,12,18,47/02	11347	1	N28/02	11406	5	42,48/02	11536	15	19*,40/02
530	30	22*,26,37,38,40,52/02	11348	19	23*,43,47,52/02	11407	18	15/02*	11537	33	7*,8,9,13,17,20,23,31,32, 33,39,40,42,44,50/02
531	21	18*,47,52/02	11349	40	38*,42,51/02	11408	27	15/02*	11539	18	2,9,39,44,51/02
532	17	5,17,38/02	11350	24	15/02*	11409	16	21,24,36,42/02	11541	32	2,8,13,18,20,21,30,39,44, 47/02
540	16	51/02	11351	37	5,6,8,9,10,11,12,15,16, 19,22,27,28,30,33,36,37, 38,40,47,51/02	11410	34	46*,49/02	11542	15	39/02
550	7	18,24,45/02	11352	35	2*,5,6,7,8,12,14,16,17, 22,24,26,27,37,38,39,40, 51/02	11411	32	12,49/02	11543	22	13,18,29,39/02
601	4	14/02	11353	2	21*,24,25,26,35,38,43, 45,49/02	11412	32	52/02*	11544	37	36/02*
602	6	12,47/02	11354	23	5,6,8,12,15,16,19,22,27, 28,33,37,38,40,47,51/02	11413	21	47/02*	11545	60	45*,47/02
603	6	47/02	11355	24	37*,40,51/02	11414	24	16/02	11547	35	22*,25,29,30,37,47/02
604	5	12,18/02	11356	34	9,11,12,13,28,29,39,40, 42,45,47,51/02	11415	36	52/02*	11548	38	47/02*
605	4	9,12/02	11357	35	36*,37,40,42,51/02	11416	36	52/02*	11555	38	36/02*
606	1	9/02	11358	51	23*,24,26,27,31,39,42, 51/02	11417	35	36*,50/02	12200	47	38*,42,52/02
607	1	7/02	11359	11	22*,26,39/02	11418	35	47*,50/02	12201	25	N14,N15,N17,N19,N23, N42,N52/02
621	5	7,22/02	11360	39	5,6,7,10,12,13,14,16,17, 18,22,23,24,28,29,31,33, 36,39,40,43,47/02	11419	24	22*,28/02	12204	34	13,20/02
622	9	9,12,14,20,47/02	11361	69	13*,16,17,19,22,24,25, 26,27,31,34,36,45,51/02	11420	35	2*,4,24,27/02	12205	27	37*,43,52/02
623	9	14,47/02	11362	4	N5,N6,N7,N8,N10,N12, N13,N14,N16,N17,N18, N22,N23,N24,N28,N29, N31,N33,N36,N39,N40,	11421	31	21*,12,23,26,27,42/02			
624	3	22/02	11363	38	26*,29,35,38,40,43,49, 51/02	11422	35	22*,28,43,51/02	12211	40	15*,27,28,51/02
632	8	15,24,45/02	11364	38	5,8,10,11,13,16,17,22,25, 30,33,35,37,38,39,43, 49/02	11423	16	28/02	12214	43	5,11,12,23,26,27,42/02
703	4	46/02	11365	17	52/02*	11424	16	28/02	12216	27	47/02*
705	3	12,46,52/02	11366	7	48*,51/02	11425	16	28/02	12221	73	52/02*
709	2	50/02	11367	31	5,12,16,17,25,33/02	11426	35	45,8,12,15,24,26,27,28, 29,30,35,50/02	12222	42	13*,27,30,33,34,38,43, 44,46,50,52/02
800	4	17/02	11368	22	38/02*	11427	37	46*,28/02	12224	22	34,39,43,46,47/02
803	1	8,17/02	11369	43	5,8,12,16,17,25,30,33,35, 45/02	11428	39	26*,28/02	12225	53	28*,30,31,47/02
1113A		5,20,39,42/02	11370	23	2*,5,6,17,31,33,40,45,51/02	11429	37	47*,50/02	12226	16	2*,22,30/02
1114A		9*,11,23,39/02	11371	35	9/02	11430	39	42*,43,49/02	12228	29	43/02*
1115A		5,6,7,10,12,13,14,16,17, 18,22,23,24,28,29,31,33, 36,39,40,43,47/02	11372	29	6,7,9,12,17,23,27,30, 45/02	11431	5	5,28/02	12230	59	52/02*
1116A		4,5,6,7,8,9,10,11,12,13, 14,15,16,17,19,22,23,24, 25,26,27,28,29,30,31,32, 33,34,35,36,37,39,40,42,	11373	38	26*,37,40,42,51/02	11432	16	22*,28,43,51/02	12231	26	9*,14,31,35,46/02
1117A		28*,30,31,37,39,40,41, 42,45,51/02	11374	35	36*,37,40,42,51/02	11433	19	16/02	12235	29	12*,30,31,47/02
11004	7	4,7,8,9,10,11,12,13,15, 16,18,22,26,28,31,37,39, 40,42,43,45,47,51/02	11375	11	22*,26,39/02	11434	5	45,8,15,24,27,35,50/02	12237	26	14,27,47/02
11006	30	28*,36,39,40/02	11376	39	5,6,7,10,12,13,14,16,17, 18,22,23,24,28,29,31,33, 36,39,40,43,47/02	11435	35	2*,4,24,27,30/02	12238	37	46/02*
11009	36	2*,5,12,19,23,24,32,35, 44,51/02	11377	69	13*,16,17,19,22,24,25, 26,27,31,34,36,45,51/02	11436	4	5,12,16,17,25,33/02	12241	21	9*,14,16,34,44/02
11013	44	18*,20,35,50/02	11378	4	N5,N6,N7,N8,N10,N12, N13,N14,N16,N17,N18, N22,N23,N24,N28,N29, N31,N33,N36,N39,N40,	11437	19	4,15,16,31,49/02	12243	13	5/02
11300	38	26*,28,30,31,37,39,40, 41,42,45,51/02	11379	43	5,8,12,16,17,25,30,33,35, 38,39,43,49/02	11438	9	N11,N24,N39/02	12245	60	12*,14,15,27,30,33,38, 46,49,50,52/02
11301	23	7,10,14,21,37/02	11380	17	52/02*	11439	16	19/02*	12248	39	18*,30,33,40,50/02
11302	29	34*,37/02	11381	7	48*,51/02	11440	17	2/02	12251	23	10,35/02
11304	12	10/02	11382	31	5,12,16,17,25,33/02	11441	33	2,18,22,28,29,30,34,37, 38/02	12252	23	5,33,34/02
11305	1	N6,N7,N11,N21,N26, N29,N36,N46/02	11383	38	26*,29,35,38,40,43,49, 51/02	11442	21	15,16/02	12253	42	9*,33,38,42,46,50/02
11307	36	9,13,28,31/02	11384	58	5,8,10,11,13,16,17,22,25, 30,33,35,37,38,39,43, 49/02	11443	19	9/02*	12254	43	38*,43,44/02
11308	21	4,6,18,26/02	11385	43	5,8,12,16,17,25,30,33,35, 38,39,43,49/02	11444	8	N11,N12,N24,N39/02	12255	15	13*,44/02
11309	36	13*,14,21,26,28,36,46/02	11386	17	52/02*	11445	16	19/02*	12256	13	19*,33,44/02
11310	1	N4,N7,N8,N21,N46/02	11387	31	5,12,16,17,25,33/02	11446	21	15,16/02	12261	28	37*,44/02
11311	23	15*,21,46/02	11388	22	38/02*	11447	19	9/02*	12263	51	38/02*
11312	3	2*,4,7,8,21,26,28,36, 46/02	11389	43	5,8,12,16,17,25,30,33,35, 38,39,43,49/02	11448	8	N11,N12,N24,N39/02	12264	28	38/02*
11313	22	4,31/02	11390	23	2*,5,6,17,31,33,40,45,51/02	11449	16	19/02*	12266	27	30/02
11314	21	4,8,14/02	11391	35	9/02	11450	16	2/02	12		

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 2/02 THROUGH NM 52/02

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.
12277	31	26*,50/02	13224	36	7*,44/02	14280	37	35/02	14934	26	4,6/02
12278	72	26*,36,45/02	13226	5	2,4,5,44/02	14310	2	52/02	14935	21	17/02
12280	3	37*,43,45,46,47,50,52/02	13227	13	2,4,5/02	14340	25	16,17,26,33,37,40,52/02	14937	24	52/02*
12281	49	15/02	13228	11	51,52/02	14342	20	52/02	14942	25	35/02
12282	33	31*,44/02	13229	27	11,17,39,42,45,52/02	14344	2	37,40/02	14963	20	51/02
12283	24	3,5/02	13230	45	11,39,42,45/02	14345	5	37,40/02	14967	22	10/02
12285	34	27,39,43/02	13232	4	11,39,42/02	14349	7	16/02	14970	25	6,40,46,51/02
12286	28	2/02	13233	16	17/02	14357	N52/02		14972	25	21/02
12287	17	2/02	13235	5	17/02	14358	N17,N36/02		14974	24	32/02
12288	19	2,27/02	13236	29	45/02	14360	36	16,26,33,36/02	14975	33	52/02*
12289	47	39/02	13237	38	2,4,17,42,48/02	14386	3	36/02	14984	9	18/02*
12300	42	17,18,19,28,29,37,39,42, 45/02	13241	15	21*,34,42/02	14415	4	33/02	14995	11	52/02*
12301	21	N20*,N28,N29,N37, N39,N42,N45/02	13244	39	22*,48/02	14500	27	52/02*	15562	N41/02	
12304	42	28*,42,52/02	13246	36	11,26,27/02	14769	N31/02*		15744	N30/02	
12311	41	2,4,15,18,28,31,42,50, 52/02	13253	17	20,26,51/02	14772	17	15/02	15880	N41/02	
12312	51	4,5,8,9,18,21,27,31,33, 42,43,52/02	13260	38	28*,36,43,48,49,50/02	14773	16	15,19/02	15926	N9/02	
12314	30	46*,50/02	13263	7	N2,N8,N11,N20,N21, N25,N27,N36,N43,N48, N49/02	14775	N31/02*		15954	N47/02*	
12316	28	11,26,27,37,39,42,45,46, 50/02	13264	103	5,21,36,49/02	14776	N31/02*		16003	16	18/02*
12317	31	15*,26,37,50/02	13267	30	6*,12,17,19,27,52/02	14782	24	21,22/02	16004	11	9/02
12318	40	19,39,45/02	13270	59	2,3,5,9,17,19,33,34,40, 43/02	14785	16	22/02	16011	35	5,38/02
12319	23	19,40/02	13283	18	11/02	14786	13	5*,24/02	16012	21	38/02
12324	29	18,50/02	13285	10	11/02	14800	9	19,23/02	16013	28	17,22,29,52/02
12326	48	12,17,18,27,28/02	13286	29	39*,40,50/02	14804	24	20/02*	16041	8	13/02*
12327	95	19*,20,21,22,28,30,33, 35,37,38,43,45,47/02	13288	40	2,9,11,15*,20,23,29,36, 43,50,51/02	14810	4	19/02	16042	7	39/02*
12331	29	4,15,22,43/02	13290	34	2,10,20,36,40,43,50, 51/02	14812	3	19/02	16061	8	19*,27,37,49/02
12332	21	15,22,43,46/02	13292	36	20*,36,40/02	14813	20	24/02	16206	7	2/02
12333	32	46*,47/02	13293	33	26*,29,43,51/02	14817	1	39/02	16220	5	6/02
12334	64	3,22,27,30,33,45/02	13296	25	43/02	14820	18	31*,35,38,39/02	16300	8	52/02
12335	39	6/02*	13298	10	43,52/02	14823	29	45/02	16363	12	38/02*
12337	22	8,15,20,28,31,45/02	13301	20	9,25,33,51/02	14824	25	24/02	16380	13	13,17/02
12339	43	5/02	13302	21	3*,8,9,20,25,41/02	14826	26	21/02	16382	10	13,17/02
12341	25	22/02*	13303	12	48/02*	14829	5	21/02	16435	5	27/02
12343	18	37/02*	13305	28	8,25,40,41,49/02	14830	29	18,23,39,51/02	16440	13	37/02
12345	10	42/02*	13308	11	14,40/02	14832	34	52/02*	16441	7	37/02
12347	29	25/02	13309	28	42/02*	14833	25	7,20,26/02	16442	6	3,37/02
12348	33	25/02	13312	20	5,21,36,52/02	14835	31	39/02	16480	10	38/02
12350	57	39*,49/02	13313	19	21,25,41,49,52/02	14836	27	42/02*	16521	5	27/02
12352	29	9*,12,34/02	13315	11	19*,49/02	14837	27	26/02*	16529	14	50/02
12354	39	9*,12,14,22,28,33,37, 45/02	13318	18	38*,41,52/02	14838	3	52/02*	16530	6	50/02
12358	19	46*,49/02	13322	9	19/02*	14839	35	7,21,24,37/02	16531	7	18/02*
12362	16	49/02	13324	13	5,41,52/02	14842	12	4,18,23,39/02	16566	10	17/02
12363	39	2,3,14,18,28,44/02	13325	14	5/02	14843	22	23,39,51/02	16568	12	39/02*
12364	33	20*,22,28,44,47,49,51/02	13326	12	41,43/02	14844	31	4,18/02	16575	1	39/02
12365	26	2,18/02	13329	3	39/02*	14845	26	4,18/02	16576	3	42/02
12366	27	3,14,51/02	13396	4	13/02*	14846	11	18,23,24,39,40/02	16580	11	39/02
12367	23	18/02	13398	3	19*,36/02	14847	30	24,40/02	16590	10	38/02*
12368	26	42/02*	14002	57	21/02	14848	56	9*,23,24,31/02	16596	12	39/02*
12369	25	31*,44/02	14003	6	11,12,13,16,25,48,49/02	14850	51	21*,23/02	16597	8	16,43/02
12370	18	39/02*	14008	76	21/02	14852	44	9*,20,23,25,26,37/02	16598	9	43/02
12371	22	28,47/02	14010	5	21,35/02	14853	13	21*,23,24,25,26,31,37/02	16599	6	16,43/02
12372	31	45*,47,48/02	14018	6	16/02	14854	13	24/02	16603	7	42/02
12375	21	22/02	14024	5	33,36,39/02	14860	35	8*,21,24/02	16604	11	22/02*
12377	14	22,25,37/02	14040	65	40/02	14862	28	26/02*	16606	11	37/02*
12401	7	31*,47/02	14083	30	33/02	14863	30	5*,10,24/02	16645	18	13/02*
12402	8	31*,33,44/02	14087	58	33/02	14864	26	24,37/02	16646	12	5/02*
13000		N8,N11,N12,N13,N21, N25,N48,N49/02	14088	10	41/02*	14867	25	6,32/02	16660	28	7,13,22,25,29,42/02
13003	45	2,8,11,12,13,19,21,23,25, 36,37,42,48,49/02	14090	2	33/02	14869	26	9/02*	16662	6	3,22,29/02
13006	30	39*,44,48,49,50/02	14091	6	41/02*	14871	2	21/02	16663	6	3,7,13,22,25,29,42/02
13009	30	42*,48,49/02	14144	29	21/02	14872	3	21/02	16665	7	7,13,22,25,29,42/02
13200	33	13*,25,37,48/02	14151	2	37/02	14873	2	35/02	16680	10	6/02
13201	10	N13,N25,N37,N48/02	14180	38	21/02	14880	30	33/02	16681	10	37/02*
13203	12	37/02	14185	2	3/02	14881	31	28*,33/02	16682	14	6/02
13204	12	13/02	14203	12	19/02	14883	42	6,17,23/02	16700	27	21*,49,52/02
13205	36	9,12,37,42,45,48/02	14204	21	19/02	14885	20	51/02	16701	18	21*,52/02
13209	23	14,37/02	14206	20	19/02	14886	10	8/02	16702	10	8,8,38,52/02
13211	13	9,21,23,47/02	14208	28	40/02	14901	14	52/02*	16705	19	5*,49/02
13212	34	9,12,21,23,45,47,48/02	14221	26	40,46/02	14902	28	24,25,31/02	16707	10	34,37/02
13213	39	8,45/02	14222	16	46/02	14903	22	8,23,32/02	16708	25	37,49/02
13214	27	34*,45,48/02	14225	17	38/02	14904	25	5,17,31,32,46/02	16709	22	15*,49/02
13215	17	9,14,45,48/02	14226	32	40/02	14905	29	31,35,37/02	16711	2	15/02*
13216	1	N12,N48/02	14227	28	40/02	14907	25	2*,13,17/02	16713	2	13*,49/02
13217	14	14/02	14228	11	40/02	14908	17	13/02	16741	9	46/02
13218	38	11,29,42,45,51/02	14240	6	16,34/02	14910	22	25,31/02	16760	10	51/02
13219	12	14/02	14222	13	34/02	14916	10	45/02*	16762	9	26/02*
13220	53	2,4,15,29,44,51/02	14243	8	19,34/02	14917	23	17/02	17003	4	8,9,47,52/02
13221	36	2*,15,52/02	14244	5	19/02	14918	26	25/02	17005	10	8,9,11,41,45,47,52/02
13223	47	35/02	14260	47	35/02	14919	27	10,24/02	17008	12	8,13,43/02
						14922	19	26*,51/02	17300	30	52/02*
						14924	27	28*,32/02	17302	18	21*,51/02
						14926	9	18,31,32,35,37/02	17303	9	15,37/02
						14927	24	21*,31,32,35,37/02	17316	20	28/02*
						14928	20	31,37/02	17320	15	15/02
						14929	23	18,31,32/02	17330	7	15/02
						14930	24	45/02	17360	32	44/02
						14931	24	35/02*	17372	10	2/02
						14932	22	32/02	17379	1	15*,20/02
						14933	24	35*,37/02	17381	10	13/02*

## SECTION I

NM 52/02

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 2/02 THROUGH NM 52/02**

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.
17382	14	44/02	18433	4	5,15,P44,48/02	18680	30	15/02	21521	14	5/02
17383	1	31*,49/02	18434	4	15,26,P44,48/02	18685	31	25/02	21529	1	14/02
17384	7	44/02	18440	25	4,6,7,9,12,15,17,22,33, 39,P44,48,52/02	18700	21	8,34,36,37/02	21540	36	5/02
17385	13	44,48/02	18441	42	30*,32,39/02	18703	24	13*,36,37/02	21563	3	45/02
17400	16	14,15,36/02	18443	15	7,8,17,39/02	18704	12	37/02	21601	4	14/02
17402	10	46/02*	18444	15	7,8,17,39/02	18720	31	8,23,35/02	21602	1	28/02
17409	10	39/02*	18445	29	4,6,7,8,12,15,17,22,28, 32,33,39/02	18721	11	8,35/02	21605	7	19/02
17412	2	12/02	18446	15	4,6,8/02	18722	3	8/02	22004	38	18,20,23,30,32,34,36,39, 41,43,52/02
17413	2	13,14,43,50/02	18447	26	4,11,27,52/02	18723	3	8/02	22008	35	4,13,18,30,34,36,39,41, 43,44,48,52/02
17414	3	41/02	18448	32	12,15,17,33/02	18725	26	4,8,23,35/02	22012	31	4,14,16,30,34/02
17420	26	14,36,37,42,43,50/02	18449	17	15,17/02	18741	18	N25,N45,N50/02	22036	28	18,47/02
17421	1	14/02	18450	16	17/02	18744	30	37/02	22050	4	19/02
17422	8	52/02*	18453	23	28,38/02	18746	34	7*,20,23,34/02	22051	18	28/02
17425	6	18/02*	18455	2	N17,N22,N39/02	18749	38	7*,10,16,18,20,23,25,27, 40/02	22052	6	28,46/02
17426	13	37/02	18456	19	12/02	18751	42	7*,10,16,20,25,27,40/02	22080	3	20,32/02
17427	7	11,12,14,16/02	18457	9	12,15/02	18754	16	36/02	22082	4	4,17,19/02
17429	2	N38/02*	18458	14	6,7,17,22,32,39/02	18758	6	35/02*	22083	5	19/02
17434	11	11/02	18459	5	N7,N17,N22,N32, N39/02	18760	6	N8,N16,N23,N34,N35, N45,N50/02	22084	4	42/02
17438	12	10,12,14,16,50/02	18460	10	15,28,40,P44,47,48, 52/02	18761	2	N20/02	22090	2	30,32,43/02
17443	12	8,10/02	18464	22	9,32/02	18762	15	20/02	22100	3	20,32/02
17444	4	10,12/02	18465	34	26,P44,48,52/02	18763	9	20/02	22101	19	16,20,32,43/02
17445	2	12,16/02	18471	8	13*,32/02	18765	15	18*,25,45,50/02	22111	4	32/02
17460		N12/02	18473	6	4,6,8,12,22/02	18766	7	25,45,50/02	22112	3	23,25,30,32,43/02
17471		N15/02	18474	7	45/02*	18768	4	N25,N45,N50/02	22113	8	23,25,30/02
17480	4	8,15,43/02	18476	4	6,7,12,17,22,32,39/02	18769	2	N20/02	22114	5	16,32,42,43/02
17485	4	16/02	18477	5	4,12/02	18772	46	20,25,50/02	22120	3	8,18,23,30,34,36,39,41, 43,52/02
17489	19	8,43/02	18480	28	28*,40,P44,45,47,48, 52/02	18773	38	4,8,18,20,23,25,50/02	22121	9	6,8,17,23,30,34,36,44, 52/02
17491	3	8/02	18484	10	28,40/02	18774	10	35/02*	22124	2	17,34,52/02
17495	2	8,43/02	18485	14	15,28,40,P44,48,52/02	18775	2	N20/02	22125	1	18,36/02
17503	4	11,43/02	18500	28	19*,22,32,39/02	19002	9	N23,N25,N37,N51/02	22126	1	36/02
17506		N8/02	18502	8	30*,32,39,42,49/02	19004	36	23,25,35,37,51/02	22130	2	44/02
17513		N8,N11,N42,N43/02	18504	64	18,52/02	19007	16	51/02	22138	2	8,18,41,44,48/02
17515	7	8,11,12/02	18505	24	10,33,39/02	19010	17	45*,51/02	22140	2	4,30,34,36,44/02
17517	8	4/02	18520	69	34*,39,49/02	19013	16	25,51/02	22142	2	39,41,43/02
17518	7	6,P44,48/02	18521	53	3,7,10,12,15,25,26,33/02	19320	16	23,27,35,37,51/02	22143	3	6,8,17,41,52/02
17519	13	4/02	18523	33	18*,26,28,31,33/02	19324	22	27,35/02	22145	2	N41/02
17520	2	N4/02	18525	33	4,7,11,14,15,28,31,33/02	19327	10	23/02	22160	2	4,30,34,39,41,48,52/02
17521		N8/02	18526	55	4,7,11,15,16,28,31,33/02	19330	9	6/02*	22170	3	13*,30,39/02
17525		N8/02	18527	21	16,31/02	19339	1	N25,N35,N49,N51/02	22172	8	48/02*
17528		N8,N43/02	18528	10	52/02*	19340	26	25,35,49,51/02	22173	36	48/02*
17541	3	8,43/02	18529	10	52/02*	19341	9	7/02*	22180	2	30,34/02
17542	6	47/02	18531	20	7*,11,26,31,34/02	19347	17	25/02	22181	16	17,27,39,41/02
17543	17	9,11,13,41/02	18532	20	7/02*	19350	11	27/02	22182	6	7,8,30,34/02
17545	13	9,43,47/02	18533	8	21/02*	19351	9	25/02	22183	3	20/02
17546	22	9,13,42,43,47/02	18535	37	19*,39/02	19357	22	42*,49,51/02	22190	2	30/02
17549	6	13,47/02	18551	11	10,33,39/02	19358	20	28/02*	22205	2	14,16/02
17550	4	15,42,43,P44,45,47,48, 52/02	18553	38	4,7,31,33,42,49/02	19360	1	N37,N51/02	22221	20	20/02
18000	8	8,45/02	18558	17	49/02*	19362	12	49/02	22250	2	42/02
18002	6	N8,N45/02	18561	11	10,26,33,38,39/02	19366	36	13*,31,49/02	22259	4	20/02
18003	18	10,26,33,38,39,40,P44, 45,47,48,52/02	18563	38	4,7,31,33,42,49/02	19367	37	22,31,49/02	22264	2	20,42/02
18005	4	N6,N8,N20,N34/02	18564	47	7,30,39,49/02	19369	5	23,31,49/02	22275	3	20,42/02
18007	31	6,10,14,20,26,33,34,37, 38,39,40,47,52/02	18567	68	7,11,14,25,30,33,39, 42/02	19379	1	N25,N51/02	22282	17	19/02
18008	7	N6,N10,N14,N20,N26, N33,N34,N37,N38,N39, N40,N47,N52/02	18588	36	32,33,49/02	19380	14	25,51/02	22283	3	N19/02
18009	2	N34/02	18600	14	15*,33,37,38,40/02	19381	8	25,49,51/02	22290	4	20/02
18010	20	6,33,34,37,38,39,40/02	18601	13	6/02	19383	17	49/02	22293	15	20/02
18020	36	6,8,20,34,37,45/02	18602	11	26,32,33/02	19387	9	N25/02	22313	2	44/02
18022	33	13*,23,34,37,45/02	18603	15	37,40/02	21005	5	45/02	22314	1	44/02
18400	42	4,6,10,11,15,P44,48, 52/02	18620	23	35/02*	21008	62	39,42,43,50,52/02	22341	9	19,43/02
18401	12	5/02	18622	52	26,28,49/02	21014	72	42,50,52/02	22342	9	19/02
18402	22	4/02	18623	11	34/02	21017	50	23,41,50/02	22343	1	N19,N43/02
18403	21	4/02	18626	15	37/02	21020	42	23,41/02	22344	5	N42/02
18405	12	43/02	18640	24	13,15,24/02	21021	3	45/02	22347	5	N19/02
18406	5	5/02	18643	16	24,49/02	21023	41	5,34/02	22351	1	N43/02
18407	5	4,8/02	18645	24	15,19,50/02	21026	47	5,13/02	22361	2	N7/02
18409	8	11/02	18649	62	3,8,11,12,15,19,20,23,26, 27,30,33,38,41,49/02	21033	46	14,20,32/02	22371	5	7/02
18414	9	8/02	18653	9	3,8,11,15,19,36,38,41/02	21110	27	47,50,51,52/02	22373	1	N50/02
18415	8	5,13,42/02	18654	42	28*,38,49/02	21121	18	47/02	22375	1	N19/02
18416	6	10,P44,48/02	18655	58	10*,19,49/02	21122	5	47/02	22379	1	N50/02
18419	11	47/02	18656	52	19,23,26,27,30/02	21125	13	51,52/02	22381	1	N19,N43/02
18420	1	13/02	18657	18	19,26,27,30/02	21126	1	50/02	22395	2	4,19,42/02
18421	44	20*,26,P44,48/02	18658	29	23,26,27/02	21128	34	39/02	22403	1	N45/02
18423	32	4,5,6,7,8,9,15,17,26,32, 39,P44,48/02	18659	14	26,30,49/02	21134	23	23/02	22404	15	46/02
18427	21	35/02*	18660	1	30,49/02	21141	27	34,44/02	22409	4	N45/02
18428	9	19/02*	18661	26	23,27,30/02	21149	1	13/02	22410	32	4,7,11,43,44,46/02
18429	8	4,P44,48/02	18662	20	30/02	21182	34	39/02	22412	2	7/02
18430	7	28/02*	18663	4	23,27/02	21342	28	41,44/02	22413	1	N45/02
18431	5	30*,P44,48/02	18664	1	9*,26/02	21384	3	23/02	22418	2	24,36,44,46/02
18432	4	5/02	18666	1	9*,26/02	21441	27	34,44/02	22421	4	N4,N7,N11,N43,N44, N46/02
						21500	1	5/02	22425	2	7,11,44,46/02
						21510	1	13/02	22427	1	N4,N43,N44,N46, N50/02
						21520	1	5/02			

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 2/02 THROUGH NM 52/02

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.
22429		N24,N46/02	24375	2	34/02	25841	9	8,10,24,36/02	35040	18	21,45/02
22433	3	39,47/02	24380	2	35/02	25842	10	8/02	35041	8	21,35/02
22436	2	39/02	24388	2	35/02	25845	9	8/02	35042	9	21,27,44/02
22471	31	18,44/02	24404	8	14,21,26,35,44,48/02	25848	25	8/02	35044	9	38/02
22481	35	44,44/02	24405	10	14,26,35,36,44,48/02	25849	13	8,42/02	35047	5	13,35/02
22482	16	44,50/02	24406	30	20,26/02	26050	1	13,34/02	35060	14	18,22,40,41/02
23000	5	18/02	24408	21	4,14,36,44,48/02	26060	1	49/02	35080	16	18,22,40/02
23010	4	27,38/02	24410	2	21,44/02	26081	8	46/02	35084	15	50/02
23023	4	27/02	24423	2	6,8/02	26083	14	29/02	35086	5	31/02
23030	6	27,38/02	24430	5	39/02	26127	21	5,49/02	35088	2	50/02
23115	3	27/02	24431	14	39/02	26128	50	5,49/02	35099	3	41/02
23121	7	30/02	24434	4	39/02	26129	11	4,26/02	35100	14	40,45/02
23122	8	23,30,33/02	24444	2	6/02	26140	2	8/02	35101	6	41/02
23123	3	30/02	24450	3	6/02	26142	10	8,24,33/02	35103	5	41/02
23124	3	N30/02	24452	7	16,26/02	26143	10	8/02	35120	13	40,45,47/02
23125	4	30/02	24460	4	15,17,39,47/02	26145	10	8/02	35130	3	48,51/02
23126	6	N24/02*	24462	5	15,47/02	26147	31	8,10,13/02	35136	2	48,51/02
23127	4	N24/02*	24463	6	24,39/02	26148	4	8,13/02	35141	11	34/02
23128	4	N24/02*	24465	6	15,23,33,47/02	26210	2	24,36/02	35143	7	34/02
23129	2	N24/02*	24469	1	20,46,47/02	26229	11	17/02	35150	3	48/02
23131	7	26,31/02	24470	4	28,39,47/02	26230	12	17/02	35155	3	11/02
23141	7	34/02	24471	8	28,47/02	26240	7	23/02	35159	3	25/02
23150	10	20,37,52/02	24480	1	14,17,25,27,41,44,45, 49/02	26245	16	51/02	35163	7	25,44/02
23152	3	37/02	24482	2	24,49/02	26259	2	51/02	35166	4	35/02
23153	8	20,31/02	24483	2	20,24,49/02	26260	5	12,24/02	35167	3	35/02
24000	39	27,29/02	24484	3	24,49/02	26280	7	8,23/02	35169	2	35/02
24004	36	5,7,29,30/02	24490	3	24,31/02	26282	6	8/02	35200	7	48,51/02
24008	42	7/02	24491	3	31/02	26284	3	8/02	35210	3	29/02
24012	40	6/02	24492	20	31,46/02	26290	1	8/02	35230	3	29/02
24016	53	30,39/02	24501	3	14,17,27/02	26303	4	13/02**	35236	2	7,38,50/02
24020	47	27/02	24502	6	46/02	26305	4	13/02**	35246	2	38,43/02
24028	6	23,48/02	24504	7	17,41,45,46/02	26306	14	8/02	35247	4	50/02
24050	11	27,31,34,38,49/02	24508	2	18,19,41,45,46/02	26309	26	8,17/02	35255	3	50/02
24052	15	31,37,38/02	24509	2	17,45,50/02	26320	5	5,8,12,15,24,27,28,29, 35/02	35270	2	38,46/02
24053	16	24/02	24510	2	17,18,19,41,45,46,50/02	26327	2	N41/02*	35276	3	46/02
24055	6	37,49/02	24512	3	25,29,44,46/02	26328	2	15/02	35277	3	38,46/02
24057	4	31,38,49/02	24513	18	46/02	27005	4	5,8,9,12/02	35279	3	38/02
24058	2	31,32,37,38/02	24517	2	18,19,46,49/02	27041	4	50/02	35295	3	27/02
24060	2	34/02	25001	7	9,12,17,19/02	27080	4	5,20/02	35298	7	27/02
24080	5	29/02	25017	5	9,12/02	27081	6	49/02	35299	9	8,12/02
24091	6	26/02	25018	9	9,12/02	27082	6	9,18,49,51/02	35300	17	12/02
24092	14	26/02	25024	43	11,33/02	27082	6	9,18,49,51/02	35301	6	12/02
24100	5	27,29/02	25400	1	23,26,35,48/02	27100	2	31/02	35303	7	40/02
24101	3	37,41/02	25480	1	20,42,46/02	27120	4	41,43,44/02	35308	5	8,12/02
24102	3	37,41/02	25481	25	4,26/02	27163	21	9,49/02	35310	2	12,22/02
24110	3	27,29/02	25484	23	11/02*	27183	8	5/02	35330	2	4,12,22,38,41/02
24130	14	24,29/02	25485	45	23,26/02	27186	8	5/02	35350	2	7,38,41/02
24132	13	10/02	25487	2	23,26/02	28004	1	5,20,23,45/02	35390	2	12/02
24140	18	4,32/02	25524	43	11,33/02	28050	3	13,28,34/02	35400	11	8,12,30/02
24149	1	32/02	25526	2	11,19,33/02	28110	2	15/02*	35402	3	38/02
24150	27	6,27,29,30,32/02	25527	31	11,33/02	28162	29	28/02	35405	2	8/02
24151	4	29,32/02	25528	5	21,42/02	28164	17	28/02	35420	13	12,24,30/02
24152	2	30/02	25550	2	17,19,24/02	28170	1	4/02	35421	14	31/02
24153	6	10,30/02	25563	50	17,33/02	28190	2	41,43,45,46/02	35423	6	31/02
24154	12	10/02	25565	7	33/02	28196	4	41,43,45/02	35424	3	30/02
24156	2	22/02	25566	27	17/02	28197	4	45/02	36005	2	6,7,12,13,14,15,17,24,27, 28,34,36,38,45,46/02
24159	1	27/02	25567	16	19/02	28202	22	41,44/02	36010	27	8,12,16,19,20,22,24, 38/02
24160	21	6,27,28/02	25570	3	19,31/02	28210	2	33,35,39,41/02	36015	2	13,17,24,27,36,46/02
24161	11	11,27,42/02	25575	4	4,31/02	28220	2	35,39/02	36040	16	12,19,30/02
24162	9	4,11,22,27,42/02	25600	47	24/02	28221	18	33,37,39/02	36046	5	38/02
24164	6	10,27/02	25601	34	10,17,19,20/02	28223	4	35,39/02	36060	17	8,12,16,19,31,38/02
24200	14	6/02	25607	4	24,39/02	28260	30	35,37/02	36061	5	46/02
24211	7	24/02	25608	21	10,17/02	28263	3	35,37/02	36062	11	40*,46/02
24220	14	27,28/02	25609	5	30/02	28264	3	35,37/02	36081	16	12/02
24222	3	27/02	25613	2	5,14,30/02	28265	3	37/02	36106	7	18,47/02
24223	33	18/02	25640	40	28/02*	28281	32	36/02	36117	6	18/02
24230	20	10,18,30/02	25641	26	5*30/02	28282	2	35/02	36120	9	16,19,20,22,31,46/02
24233	15	36,43/02	25644	12	42/02	28300	1	23,39,50/02	36122	12	16,19,21/02
24234	3	30/02	25645	17	15/02*	28302	16	31,33,39,40/02	36123	25	16,19,21,46/02
24240	5	30,39/02	25646	7	N42/02	28310	2	23,31,33,35,39/02	36137	4	38/02
24250	5	30,39/02	25649	18	18,30,35/02	28320	6	33/02	36138	3	39/02
24251	23	24,34,43/02	25650	33	22*,30/02	28321	36	29/02	36140	12	13,21,22,24,36,41/02
24252	5	30,39,43/02	25663	27	19/02*	28323	2	27,29/02	36142	6	24/02
24260	5	34/02	25668	18	15*,16,48/02	28325	2	27,29/02	36143	4	18,34/02
24270	3	24,27/02	25670	41	26,38,48,49/02	28330	2	27/02	36161	10	13,20,24,34,44,45,47, 50/02
24290	3	36,43/02	25673	15	28,42/02	29015	5	2,22/02	36162	10	13,20,35,45,47,50/02
24291	4	36/02	25677	19	4,21,52/02	29121	5	32/02	36163	13	20,31,34,35,38,44,45,47, 50/02
24292	4	36/02	25681	15	4/02	29122	5	32/02	36164	7	34,38,44,46/02
24293	6	6,32,36/02	25683	17	30,49,52/02	29122	5	32/02	36165	6	17,18,20,22,24,28,36, 44/02
24294	22	6,36/02	25687	11	12,15,35/02	35000	26	11,13,23,24,47,48/02	36167	2	24,40/02
24311	4	27/02	25700	3	8,12/02	35008	21	45,48,50/02	36173	1	40/02
24312	4	27/02	25710	2	8,12/02	35009	19	15,40,41,45/02			
24320	4	27,28,34,43/02	25720	3	8,12,33/02	35011	2	11,48/02			
24322	6	28,34/02	25723	40	8/02	35016	17	12,29/02			
24326	2	31,51/02	25724	3	8/02	35031	3	12,22/02			
24355	2	51/02	25800	3	24,36/02	35032	16	12/02			
24370	1	34/02	25803	16	12/02	35036	21	13,17,19,24,30,36/02			

## SECTION I

NM 52/02

**CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 2/02 THROUGH NM 52/02**

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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.
36180	23	13,17,20,21,22,36,40, 50/02	37221	13	5,8,9,11,12,15,16,17,18, 20,21,24,25,27,28,34, 36/02	43106	6	44/02	44100	7	11,13,15,16,17,18,24,25, 26,44/02
36181	18	17,20,21,22,36,40,50/02	37222	13	15,27,28/02	43140	4	17,41,48,52/02	44105	2	49/02
36182	6	13,20,36,40/02	37223	14	26,42/02	43141	5	52/02	44120	7	6,11,15,16,17,18,21,26, 27,28,29,31/02
37000	22	11,23,28,47,48/02	37224	11	15/02	43142	4	52/02	44140	8	4,6,16,26,27,28,29,31, 50/02
37005	16	17,18,23,41,45,47/02	37226	17	5,9,11,15,16,17,19,20,21, 25,28,30,39/02	43144	4	17/02	44160	7	46/02
37010	23	15,16,17,18,23,26,41,45, 47/02	37228	14	5,8,13,21,24,27/02	43160	6	17/02	44161	2	29,50/02
37025	26	38,51/02	37229	15	15,16,17/02	43161	2	17,41,44/02	44162	1	50/02
37032	2	9,12/02	37230	14	16,18,24,25,39/02	43163	3	44/02	44163	1	48/02
37033	2	47/02	37231	18	9,12,15,20,21,25,28, 30/02	43164	3	17,48/02	44164	1	46,48/02
37041	15	17,20,27,50/02	37232	12	12,15,16,21/02	43182	4	47,52/02	44165	1	46/02
37042	5	17,41,45/02	37234	13	9,12,15,20/02	43223	4	41/02	44178	2	21/02
37043	17	13,17,20,43/02	37235	11	15/02	43225	4	17,52/02	44180	6	18,20,24,29,34,45,46/02
37044	16	14,45/02	37236	17	13,16,17,26/02	43240	4	50,51/02	44182	4	21,48,49/02
37045	11	45/02	37241	10	13,15,20/02	43242	4	52/02	44183	6	48/02
37046	18	21,31,43/02	37242	10	13,15,20/02	43243	4	50,51/02	44184	9	21,45,49/02
37047	6	14/02	37244	11	8,11,16,17,26/02	43263	7	44/02	44185	7	45,49/02
37050	9	18,26,42,46/02	37246	14	13,15/02	43265	2	44,52/02	44186	2	21,45,46,48/02
37060	3	13,17,21,31,46,50/02	37248	18	12,39/02	43270	2	44/02	44187	2	21/02
37061	15	36,38/02	37258	4	15/02	43280	5	44/02	44192	1	21,29,46,48/02
37063	21	7,16,21,28,36,50/02	37261	10	15,28/02	43281	6	20/02*	44193	1	26/02
37064	8	17/02*	37264	3	30/02	43284	4	16,51/02	44200	9	20,24,29,34,52/02
37065	7	19/02*	37265	3	18,24/02	43285	5	15,16,44/02	44203	1	20,24,33,48/02
37075	3	7,21,31/02	37281	15	30/02	43300	5	15,44,47,50/02	44204	1	5,48,52/02
37079	5	22/02	37320	16	12,18,26,27,28,38,44/02	43301	4	15,45,50/02	44205	2	48,52/02
37080	3	14,17,24,27,30,33,34,38, 40,42,44,45,46,51/02	37325	8	14,18,34,39,47/02	43302	4	44,47,50/02	44206	1	46/02
37081	23	18,20,21,28,38,43,50/02	37326	2	11,12,34,47,51/02	43303	4	41,47,50,51/02	44220	5	46/02
37082	9	13,28,44,50/02	37328	2	12,18,42,44/02	43304	2	44,47,50/02	44224	1	49/02
37083	8	20,22/02	37330	2	22,24,26,30,32,34,38,40, 46/02	43321	6	30,41,47/02	44240	8	49,50/02
37084	9	20,22,38,40,43/02	37342	3	17,32/02	43323	4	30/02	44243	2	25/02
37085	8	38,40/02	37343	10	11,45/02	43324	4	30/02	44260	7	29/02
37086	8	38,50/02	37344	11	17,32,34/02	43341	7	41/02	44280	9	29,34,49,50/02
37087	7	38,40/02	37360	15	15,17,27,28,30,32,34, 43/02	43360	21	17,28/02	44281	2	49/02
37089	12	21,28/02	37362	6	12,17,31,43,48,51/02	43363	5	45/02	44282	1	49,50/02
37090	8	7,14,27,32,45,51/02	37363	8	11,48/02	43364	5	45,46/02	44283	2	50/02
37095	3	13,14,15,17,18,24,28, 32/02	37367	1	38,49/02	43371	13	22/02	44284	2	41/02
37101	9	6,15,18,27/02	37380	2	12,15,17,34,40,42,43,44, 48,51/02	43373	8	45/02	44310	5	20,29,41,42/02
37103	9	12,13,15,27,29/02	37400	10	9,15,28,34,38,40,41,44, 46/02	43374	1	22/02	44313	1	27,41,47/02
37104	3	12,13,41/02	37401	9	9,28,32,44/02	43375	7	46/02	44319	2	21,41,42/02
37106	4	12,13/02	37402	7	28,32,41,42,44,50/02	43384	1	48/02	44320	4	13,23,29/02
37110	11	6,12,13,15,17,18,19,24, 27,28,29,47/02	37403	23	12,24/02	43385	1	5,27,45,48/02	44321	6	13,19,22,23,29,32,40/02
37112	1	47/02	37404	3	19,32,34,43/02	44001	2	48,49/02	44340	11	13,16,20,21,37/02
37115	2	6,12,13,15,17,18,19,27, 28,29,33,47/02	37420	1	9,12,34,43/02	44015	8	28,31,48,49/02	44341	7	13,25,37,41/02
37119	2	43/02	37441	4	9,12,15/02	44036	5	28/02	44342	8	6,13,37,41/02
37120	2	12,13,15,19,24,27,29,39, 42,49,51/02	37443	2	9,12/02	44038	5	18/02	44360	9	8,16,20,21,34,37,41, 42/02
37121	11	12,13,15,24,27,29,31/02	37445	1	12,48/02	44040	23	28,44/02	44361	6	21,27/02
37122	12	48/02	37461	9	51/02	44041	7	48/02	44366	1	34,41/02
37123	9	19,49/02	37481	7	47,48/02	44042	7	21,44,45,49/02	44367	2	15,16,18,20,22,25,26,29, 35,37,40/02
37125	15	15,19,24,42,49/02	37501	3	46,47/02	44043	8	44/02	44400	4	48/02
37126	8	15,41/02	37505	2	46/02	44046	10	18/02	44401	7	13/02*
37127	11	49/02	37506	4	45,46,47,51/02	44047	22	8,26,44/02	44420	6	5,36,49/02
37129	6	39,42,49/02	38030	1	9,10,20,21/02	44048	11	8/02	44430	2	4,6,17,28/02
37133	4	44/02	38040	5	12/02	44049	9	18,44,46,50/02	44444	6	31/02
37134	5	38/02	38041	1	12/02	44050	21	8,18/02	44461	10	4,6,8,12,16,17,19,28/02
37136	6	38,46,50,51/02	38100	4	12/02	44061	21	8,18,21/02	44462	4	4,6,19/02
37137	6	46,48/02	38103	N12/02	44062	8	8/02	44463	9	4/02	
37139	8	18,23/02	38105	N12/02	44063	8	13,21/02	44465	2	4,6,8,12,16,17,19,28/02	
37140	33	15,17,19,21,22,24,27,29, 31,35,49,51/02	38460	7	18/02	44064	19	8/02	44481	2	6,26,28,31/02
37141	29	20,21,23,36,40,48,51/02	38463	2	N18/02	44065	7	5,11,15,16,20,25,30, 42/02	51002	7	13/02*
37145	23	46,50/02	38480	6	18/02	44066	10	16,20,27,39/02	51007	22	38/02
37147	15	13,21,35,36,40/02	38603	2	4,17,21/02	44067	22	5,8,11,16,21,25,29/02	51013	4	38/02
37148	13	17,21,35,38/02	38610	1	20/02	44068	11	11,13,17,18,20,24,26, 44/02	51017	31	37/02
37149	10	44/02	38670	2	9/02	44069	16	5,9,11,13,16,18,20,21,24, 29,31/02	51022	11	37/02
37150	8	13,16,21,22,31/02	38683	3	9/02	44070	7	9/02	51064	2	52/02
37161	14	13,18,21,22,31,34,43/02	38690	2	10/02	44071	4	9/02	51103	10	29*,33,45/02
37162	12	11,12,15,16,17,26/02	41060	3	34/02	44072	4	5,21/02	51104	1	29*,33,45/02
37163	19	11,13/02	42620	5	12/02	44073	2	5,21/02	51143	4	14/02*
37164	4	15/02	42740	5	2,12,34,41/02	44075	4	5,9,11,16,17,21,29,31, 42/02	51144	3	14*,52/02
37165	2	5,8,9,15,17,18,20,21,34, 36/02	42742	3	2/02	44076	3	18,25/02	51145	2	42/02
37166	2	8,11,12,15,16,17,26/02	42760	5	2,12/02	44078	9	8,15,16,17,20,24,25, 39/02	51146	3	42,52/02
37170	11	38/02	43030	24	11,25,28/02	44082	11	6,11,15,16,17,18,21,24, 25/02	51150	1	50,51/02
37180	20	21,38/02	43040	6	2/02	44083	8	10,15,21/02	51154	3	50,51/02
37182	14	35,47,48/02	43059	3	44/02	44084	1	6/02	51155	1	50,51/02
37183	9	48,51/02	43060	4	44/02	44085	2	21,25/02	51159	3	47/02
37184	8	48/02	43079	2	41/02				51160	20	48,50,51/02
37200	15	18/02	43082	5	41/02				51164	18	38,45,46,50/02
37202	2	13,18/02	43101	3	46/02				51165	8	25,45,50/02
37205	2	39/02	43102	4	46/02				51166	3	N25,N45/02
			43104	4	46/02				51167	6	45,50/02
									51168	2	45,46,50/02
									51220	8	33/02
									51222	6	51/02
									51225	3	27/02

## SECTION I

**CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 2/02 THROUGH NM 52/02**

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.
51240	2	33/02	53183	13	19*,35/02	54329	4	5/02	56044	3	22,38/02
51260	4	37,50/02	53184	5	32,35/02	54330	2	5/02	56060	8	33/02
51263	23	49/02	53200	6	2,3,33,36,43/02	54333	3	5/02	56063	1	2,14,21/02
51300	4	27/02	53201	6	51/02	54334	3	7/02	56064	6	14,38/02
51320	3	12/02	53203	11	3/02	54337	3	19,31/02	56065	3	33,38/02
51341	23	48/02	53204	10	3,44/02	54339	8	7,17,31/02	56067	3	48/02*
51380	5	47/02	53206	6	17/02	54340	8	19,48,51/02	56081	19	41/02
51559	3	41/02	53220	6	2,36,43,51/02	54343	10	14,19,48/02	56083	2	7,31/02
52039	3	50/02	53223	5	29/02	54344	6	14,19,48/02	56100	13	41,49,50/02
52040	17	43,50/02	53226	2	15,51/02	54346	8	14,19/02	56101	6	33/02
52043	21	46/02	53242	12	2,52/02	54347	4	51/02	56103	6	18,30/02
52045	6	36/02	53244	2	2/02	54350	4	51/02	56104	2	41,49,50/02
52046	21	50/02	53262	7	22,42/02	54351	7	52/02	56191	2	18/02
52051	1	43/02	53263	1	37/02	54352	3	52/02	56195	3	22/02*
52052	1	43/02	53265	6	19,35,41,46,52/02	54360	12	15,19,20,52/02	57063	5	40,41/02
52060	16	43,50,51/02	53268	4	22,42/02	54362	3	52/02	57064	3	41/02
52061	2	45,48,51/02	53269	5	19/02	54363	3	15,19,20/02	57101	18	41/02
52066	3	50/02	53279	3	9/02	54364	2	52/02	57120	13	43/02
52080	14	50,51/02	53281	4	31,40,52/02	54365	6	15,19,36/02	57140	10	43/02
52082	3	45,46,48/02	53282	8	40/02	54366	3	15/02	57141	14	43/02
52083	2	45,46,51/02	53283	4	33,52/02	54367	3	15/02	57142	6	43/02
52084	2	45/02	53284	4	33,40/02	54368	4	20/02	57160	10	43/02
52085	3	50,51/02	53285	4	35/02	54369	4	13,15,52/02	57161	4	31/02
52086	2	45,50,51/02	53287	6	20,27,35,42/02	54372	2	20/02	57162	7	43/02
52087	1	51/02	53290	1	35/02	54380	6	5,19,26,42/02	57164	2	43/02
52088	2	45/02	53301	4	27/02	54382	9	26/02	57165	1	43/02
52092	1	46,51/02	53302	4	51/02	54386	10	7,42/02	57170	1	43/02
52120	12	32,51/02	53303	6	49,51/02	54387	7	6,23,42/02	57381	12	52/02
52121	8	45,46/02	53306	2	21,39/02	54389	8	6,43,52/02	61015	8	17/02
52122	14	45/02	53311	3	39/02	54400	8	5,7,20,32,43/02	61018	4	18,24/02
52124	1	51/02	54040	3	37/02	54402	4	52/02	61020	2	17,28/02
52125	1	45,46/02	54041	7	18,35/02	54403	4	6,22,43,52/02	61021	3	18/02
52140	6	48,50/02	54043	2	15,17,18,29/02	54404	4	19/02	61036	8	8,27/02
52141	5	48/02	54060	5	18,37/02	54407	4	32,43/02	61110	3	12,28/02
52144	5	50/02	54061	11	52/02	54409	2	23,32/02	61111	12	12/02
52170	3	3/02	54080	5	8/02**	54413	3	31/02	61112	10	14,17/02
52172	2	3,11,40/02	54081	3	13/02	54416	5	7/02	61120	4	12,28/02
52180	14	2,21,24,42,43,51/02	54083	4	19/02	54418	4	32,43/02	61130	3	12,28/02
52186	3	3/02	54085	2	18,19,40/02	54421	6	6,7,28,47/02	61140	5	12,27/02
52262	6	7/02	54090	3	46/02*	54422	4	19/02*	61141	6	38/02
53011	2	51/02	54093	3	46/02*	54423	5	48/02*	61142	6	38/02
53031	1	12,13,17,18,19,21,22,27,28,30,39,48/02	54100	4	8/02**	54430	1	26,28,37,43/02	61150	4	12/02
53060	14	12,14,15,17,18,19,21,22,27,28,30,32,51/02	54105	3	46/02*	54440	4	7,30,41/02	61160	3	12/02
53061	10	14,19,28,30,44,47/02	54115	3	46/02*	54441	6	30,42/02	61170	5	13,27/02
53063	8	14,19,28,44,47/02	54120	5	15,16,17,18,19,20,37,39,41/02	54463	5	14/02	61171	10	13/02
53064	6	33/02	54125	3	46/02*	54464	5	7/02	61172	6	13/02
53065	2	33/02	54140	7	15,16,17,18,41/02	54480	8	22,30,36,41/02	61180	4	20,27/02
53066	2	12,33/02	54151	1	7,14,15/02	54481	8	22,30,36/02	61182	2	13/02
53081	8	15,21,30/02	54160	14	8/02**	55001	4	6,18,29,36,37,42/02	61190	4	39,41/02
53082	13	40/02	54161	12	16,17,19/02	55040	4	13,15,18,23,27,28,31,32,39,41/02	61191	8	12,13/02
53083	8	18,19/02	54165	2	33,37/02	55041	7	15,22,32/02	61200	7	17,21/02
53084	6	17,18,24,51/02	54167	2	17,19/02	55042	1	18,21,27,28,42/02	61210	6	17/02
53085	6	17,24,51/02	54168	1	37/02	55043	2	21,23,27,28,37,39,42/02	61220	5	17/02
53086	8	20,46,48/02	54169	3	8,16,37/02	55044	5	22,23,41,43/02	61240	7	18/02
53087	9	48/02	54180	6	7,8,10,19,41,43,50/02	55045	2	18,21,23,41/02	61250	4	18/02
53088	7	33/02	54195	2	11/02	55046	4	4,21,22,23,26,27,30,31,37,38,39,41,48/02	61310	2	33/02
53090	1	41/02	54200	4	7,8,10,11,13,21/02	55047	8	22,23,26,27/02	61311	5	17,33/02
53093	2	20/02	54201	6	13,21/02	55048	12	6,23,27,32,36,37,39,41,48/02	61312	3	17,33/02
53100	16	13,18,19,21,24,28,33,39,42,51/02	54222	4	21,43/02	55049	48/02	61400	2	27/02	
53101	7	33/02	54223	2	13,21/02	55050	6	22,27,30,41,43/02	61410	2	14/02
53104	2	20,35,42/02	54224	2	13,21/02	55060	7	19,20,36,37/02	61420	2	14/02
53105	20	37/02	54225	2	21/02	55064	3	4,23,37,48/02	61430	2	14/02
53106	6	19*,20,24/02	54227	2	7,50/02	55084	7	39/02	61433	1	14/02
53107	16	35/02	54240	11	8/02**	55085	9	13/02	61434	2	14/02
53110	1	29,40/02	54260	3	8/02**	55100	8	29,36,37/02	61440	2	15/02
53111	3	31,44,47/02*	54279	4	50/02*	55102	3	24/02	61450	2	14,17,27/02
53120	14	13,18,20,21,27,28,39,42/02	54280	10	11,14,15,20/02	55103	2	9,12,24,29,48/02	61470	2	15/02
53122	3	20,29,40/02	54281	6	20/02	55104	2	9,48/02	61472	1	15,20/02
53125	2	46,51/02	54282	1	51/02	55105	7	6,9,12,18,29,36,41,42/02	61500	2	17/02
53130	1	27,42,47/02	54283	5	8,19,20,52/02	55110	2	4,7,23,24,29,37/02	61522	1	15/02
53133	3	6*,41,46/02	54284	1	51/02	55120	2	36/02	61538	1	15/02
53135	2	20,51/02	54286	4	14,19/02	55128	2	4,5,6,9,26,33,36,38/02	61540	2	15,20/02
53141	5	20,24,34,51,52/02	54287	7	7,9/02	55129	7	6,9,33,36,37/02	61541	8	4/02
53147	3	36,39,42,51/02	54288	5	9/02	55130	2	13,27,45/02	61542	6	4/02
53149	2	31/02	54289	8	7,9,19/02	55131	1	27,36,45/02	61550	2	17/02
53160	14	20,51/02	54300	12	8,11,13,14,31/02	55139	5	41/02	61560	2	15/02
53161	8	51/02	54302	1	8,11,13,14,31/02	55150	2	4,6,7,24,28,29,37/02	61581	5	14,18/02
53162	7	50/02*	54314	2	13/02	55160	2	6,18,24,28,29,42/02	61582	4	14,18/02
53164	9	20,37,51/02	54318	3	5,19/02	55161	1	7,29/02	61591	4	8/02
53165	13	39/02	54320	4	7,13,20,48/02	55170	2	9,12,18,29,31,36,41/02	61592	4	8/02
53180	10	2,33,34,43,51/02	54322	7	5,13,19,20/02	55175	1	24,28/02	61610	7	28,29/02
53181	4	2,34/02	54324	8	19/02	55180	2	9,33/02	61611	11	28/02
53182	4	36/02	54327	4	20,31/02	55182	2	12,27/02	61612	4	28/02
						55043	6	22/02	61650	3	17/02
						55044	6	22/02	62000	20	18,46/02

## SECTION I

NM 52/02

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 2/02 THROUGH NM 52/02**

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.
62001	4	2,36/02	62515	2	14,26,45/02	71044	1	27/02	73000	9	26,40,52/02
62024	13	13,14,38,40/02	62520	5	5,6,7,13,15,17,20,30,31, 37,43,49/02	71058	2	23,36/02	73002	4	4,6,8,18,24,30/02
62028	15	5,8,12,18/02	62521	3	N5,N6,N7,N13,N15, N17,N20,N30,N31,N37,	71059	1	23,36/02	73004	4	4,26/02
62032	15	13,16,18,23,29,32,33,43, 50,52/02	62521	3	N5,N6,N7,N13,N15, N17,N20,N30,N31,N37,	71061	15	23,36/02	73006	2	26/02
62033	2	N13,N16,N18,N23,N29, N32,N33,N43,N50, N52/02	62520	5	7,31,33,43/02	71066	1	39/02	73008	8	8,16/02
62040	5	13/02	62530	3	N7,N31,N33,N43/02	71071	5	15/02	73010	3	13/02
62046	2	13,39/02	62540	6	17*,18,21,23,25,26,29, 31,32,34,40,45,48,50, 52/02	71081	3	16/02	73012	5	9,10,42,48,52/02
62050	6	18,44/02	62541	3	N17*,N18,N21,N23, N25,N26,N29,N31,N32,	71080	29	2,8,10,33,37/02	73014	10	48,52/02
62090	7	2/02	62570	4	17*,21,23,25,26,31,32, 33,34,36,40,45,48/02	71086	2	5,8,13/02	73016	4	15,44/02
62092	7	2,41/02	62570	4	17*,21,23,25,26,31,32, 33,34,36,40,45,48/02	71210	18	44/02	73018	3	13/02
62093	7	2,16,41,49/02	62580	3	2,4,14,23,26,32,33,45/02	71211	4	38/02	73020	9	3,25/02
62095	2	2,13,16,41,49/02	62590	2	4,9,12,16,28,29,36,40,46, 48/02	71212	1	18,38/02	73022	4	13/02
62100	6	2,4,12/02	62550	2	7,13,30,43/02	71223	8	17/02	73024	3	39/02
62110	9	2,4/02	62560	3	2,21,23,25,29,52/02	71230	11	23,38/02	73030	4	4,20/02
62120	6	11/02	62570	4	17*,21,23,25,26,31,32, 33,34,36,40,45,48/02	71239	3	4/02	73032	4	4,25/02
62121	9	11/02	62580	3	2,4,14,23,26,32,33,45/02	71241	10	18/02	73041	2	18/02
62140	1	34,40/02	62590	2	4,9,12,16,28,29,36,40,46, 48/02	71243	4	33/02	73141	5	13/02
62142	10	24,28/02	62591	3	N4,N9,N12,N16,N28, N29,N36,N46,N48/02	71248	2	N51/02*	73271	7	21/02
62143	3	24,28/02	63000	13	5,12,27,28,48/02	71249	2	35/02	73552	4	9,25,34,45/02
62144	3	24/02	63005	18	4,15,25,31/02	71253	10	14,21,35,40,42/02	73570	7	34,45/02
62170	2	38/02	63010	14	26,29,31,52/02	71255	5	9/02	73580	4	52/02
62171	4	38,47/02	63015	11	31,38,40,52/02	71257	2	4,8,9,15,18,21,23,28/02	73581	4	16,52/02
62191	14	22,29,41/02	63020	15	27,31/02	71258	2	4,9,15,18,20,21,28,35/02	73590	6	16,31,47,52/02
62193	17	17*,19,31/02	63040	2	12*,46/02	71259	2	18,20,21,33/02	73601	3	12,15,17,24,26,31,34,35, 47/02
62194	8	17*,18,19,31,36/02	63050	2	5,12,17,46/02	71261	8	2,13,35/02	73610	4	26,31/02
62195	6	22,36,41/02	63053	4	12*,14/02	71265	3	46*,49/02	73631	4	36,46/02
62220	8	8/02	63054	3	19*,31/02	71271	10	23,25,30,34,52/02	73640	5	23,36/02
62225	3	17*,37/02	63055	2	5,14,29/02	71272	10	23,30,34/02	74000	6	10,12,24,36,47/02
62242	11	47/02	63060	7	5,12,25,28,32/02	71273	2	14/02	74002	2	2,13,14,18,25,27,28,35, 47/02
62250	4	34,38/02	63062	7	5,18,28,29/02	71275	3	13,23,35/02	74003	5	2,22,25,28,47/02
62270	4	37,41/02	63063	9	5,27,29/02	71281	7	51/02	74004	2	12,13,18,35,37,39,47/02
62271	5	37,41/02	63065	6	18/02	71285	3	2,7,23,25,30,34,52/02	74005	2	9,13,18,19,31,34,35,46, 47,51/02
62285	2	26/02	63070	3	20,27,28,29/02	71295	2	25,26,30,34,39,40,52/02	74015	10	20,40/02
62290	3	2,11,26,37,41/02	63080	5	26,27,28,31,48/02	71305	2	9,14,31,34,36/02	74017	4	3,12,17,18,37,45/02
62292	2	24/02	63090	8	25,31/02	71313	8	45/02	74018	6	44/02
62295	3	2/02	63091	4	26,27,32,39,48,52/02	71315	2	14,27,31,34/02	74020	4	16,17,33,37,38,43/02
62310	2	6,27/02	63100	2	4,15,44/02	71320	1	35/02	74021	7	10,13,14,20,33,35,39, 44/02
62313	4	17*,27/02	63101	15	14,17,19/02	71320	13	35/02	74024	7	31,44/02
62330	2	14,38,40/02	63102	19	14,17,19,26/02	71330	13	35/02	74027	9	43,44/02
62340	3	38/02	63103	17	14,17,26,29/02	71340	11	18,19,22,40,46/02	74030	6	10,28,51/02
62360	5	18,38/02	63110	4	40/02	71348	3	18,35/02	74042	1	6/02
62361	2	N18,N38/02	63111	9	17,25,48/02	71350	8	15,18,20/02	74053	2	10,28,51/02
62366	3	38,40/02	63112	2	44,48,52/02	71400	5	11/02	74054	2	28/02
62392	7	14*,18/02	63120	5	35/02	71404	1	40,46,51/02	74071	4	12/02
62393	7	34,37,50/02	63121	2	44,48,52/02	71406	1	15,20,25,41/02	74151	9	4,10,20,24,27,36,44/02
62394	10	34,37,50/02	63123	5	48/02	71406	1	18,40,46/02	74152	11	14,36,44/02
62395	2	34,50/02	63124	8	31,45/02	71410	1	11,39/02	74153	2	4,14,36,44/02
62400	17	23,24,33/02	63125	3	45/02	71410	2	15,38/02	74162	4	10,36,46,47/02
62401	9	11/02	63126	15	31/02	71420	1	38,39/02	74171	4	33,36,47/02
62402	9	2,5,6,15,17,20,49/02	63127	6	14*,29,40/02	71430	2	18,41/02	74172	5	2,36,47/02
62406	2	8,24,33/02	63128	3	45,52/02	71450	1	22,25/02	74181	8	2,11,13,23,28,33,35,37, 38,39,47/02
62408	7	11,15/02	63129	5	26,45,52/02	71460	1	15,20,25,41/02	74182	12	3,5,11,13,23,24,25,26,28, 33,35,37,38,39,41,42,44, 51/02
62409	6	2/02	63130	6	17*,45/02	71465	1	20/02	74186	7	11,18,34/02
62411	1	52/02	63131	8	31,45/02	71470	2	15,38/02	74190	7	2,13,22,23,26,35,36,37, 46/02
62413	11	33/02	63132	3	45/02	72000	8	4,31,32,35,47,50/02	74191	11	11,38,39,42/02
62417	1	52/02	63133	15	31/02	72007	10	6,30,36,38,47,51/02	74194	10	10,13,23,24,28,33,35,37, 38,46,48/02
62419	6	33/02	63134	6	14*,29,40/02	72014	10	12,46/02	74198	7	11,18,34/02
62420	5	33,37,39/02	63135	8	19,52/02	72021	8	31,36,38,47,50,51/02	74199	7	2,13,22,23,26,35,36,37, 46/02
62429	9	17,27,39,43/02	63136	7	19,31,32,38/02	72028	7	4,15,15,31,34/02	74201	9	27/02
62431	8	26*,27,37/02	63137	9	19,33/02	72035	8	16,31/02	74202	3	14,16,21,24,02
62432	15	4,25,31,34/02	63138	8	30/02	72040	3	11/02	74204	5	13,14,21,24,27,37/02
62433	12	15,30,31,34,45/02	63139	6	30,42/02	72045	2	16/02	74205	2	16,24,25/02
62434	9	12*,40,46,52/02	63140	6	39/02	72060	8	32,50/02	74206	2	8,24,34/02
62437	9	32,46/02	63141	1	6/02	72070	4	8,11,32,42/02	74210	7	12,25/02
62440	7	5,15,17,20,49/02	63142	9	27,39/02	72075	2	8,20/02	74211	8	6,11,13,17,23,25,26,35, 47,51/02
62441	10	16,36/02	63143	15	27,31,39/02	72080	7	8,20,51/02	74212	9	27/02
62448	2	2,23/02	63144	1	39/02	72085	2	6,8,30,47,51/02	74216	3	14,16,21,24,27,37/02
62449	4	15/02	63145	6	39/02	72094	2	29,38/02	74217	4	33,36,47/02
62451	7	2,21,23/02	63146	5	39/02	72100	7	29/02	74218	8	2,11,13,23,28,33,35,37, 38,39,47/02
62453	3	25,33/02	63147	2	39/02	72103	2	29/02	74219	3	14,24,26,35,46/02
62455	7	17,27,39,43/02	63148	2	39,45/02	72105	2	36,38/02	74220	8	5,14,18,21,27,28,37, 46/02
62456	1	27/02	63149	2	45/02	72107	2	12,15,27,29,02	74221	9	27/02
62457	5	5,6,17,20,21,24,36,49/02	71005	1	7,9,34/02	72109	3	42,44/02	74222	3	14,16,21,24,02
62460	4	6,24,31,33/02	71006	5	8,39/02	72110	9	12,15/02	74224	5	13,14,21,24,27,37/02
62464	2	15*,31,49,50/02	71009	3	9,39,46,48/02	72130	4	13,46/02	74225	2	16,24,25/02
62480	1	13,15,18,23,30,31,33,37, 43/02	71012	3	19,33,39,46/02	72131	3	13/02	74226	2	8,24,34/02
62490	1	2,4,12,16,18,25,29,31,32, 33,43,50,52/02	71018	10	2,5,9,10,15,33,35,37/02	72161	10	15/02	74227	7	12,25/02
62498	4	12*,23,25,27,31/02	71027	9	7,15,19,20,22,24,25,34, 38,45,49/02	72173	2	12,15/02	74228	8	6,11,13,17,23,25,26,35, 47,51/02
62499	4	15*,25,27,31,49,50/02	71033								

## SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 2/02 THROUGH NM 52/02

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.
74232	9	2,9,15/02	75130	16	7,16,18,21,27,31,34,41, 50,51/02	82244	5	35,42,48/02	93010	6	15,17,22,27,38,40,41/02
74234	1	2/02	75131	7	18,20,28/02	82253	7	35,48,50/02	93018	8	9,27/02
74240	8	4,9,15,34,39,42/02	75132	11	31/02	82374	9	22/02	93020	2	15,24,38/02
74251	8	4,15,17,23,25,26,31,32, 34,37,42,44,46,51/02	75134	3	7,23,27,33,51/02	82377	2	22/02	93022	4	6,18/02
74252	9	19,47/02	75142	5	4,8,15,21,28,36,42,50/02	82580	2	19/02	93025	5	45/02
74253	6	4,11,15,17,19,23,25,27, 32,47/02	75143	4	4,12,15,20,28,32,33,36, 38,42,50/02	82646	2	19,33/02	93030	6	6,18,45/02
74261	9	15,25,41,49/02	75144	3	20,31,33,36,42,51/02	82683	4	6,18,33/02	93032	3	45/02
74265	2	4,11,15,17,18,19,25,31, 38,41,43,47,49/02	75150	5	13,16,50/02	82684	3	3,12,18,33,38/02	93043	1	45/02
74270	3	9,18,19,26,31,38/02	75160	6	6,22,23,24/02	82689	3	5,6,18,38/02	93046	1	9,45/02
74271	9	9,19,28,38,46/02	75170	12	38,39/02	82690	10	6,18,19,20/02	93047	2	45,49/02
74272	7	26,32/02	75171	22	5,8,10,12,14,17,18,22,27, 31,32,33,36,38,40,42,48, 52/02	82694	6	38/02	93048	1	35,49/02
74273	5	18,19,31,38,41,43/02	75172	5	39/02	82697	6	38,46/02	93049	1	45/02
74283	2	46,49/02	75173	9	8,10,12,14,17,20,25,31, 32,33,36/02	82700	8	7/02	93061	4	45/02
74285	2	31,34,35,45/02	75175	9	5,16,18,31,33,38,40,45, 50/02	83020	1	12/02	93101	2	N24,N34,N38/02
74286	2	15,22,24/02	75176	9	5,7,14,17,27,42,50/02	83021	1	25,27,43/02	93110	2	22,24,38,40,41/02
74287	2	27,34,38,52/02	75177	7	5,12,18,27,38,48,50, 52/02	83023	4	25,27,43/02	93113	2	19/02
74289	5	13,18,26/02	75180	2	3/02	83026	32	18,41/02	93115	2	40,41/02
74290	11	13,25,34,39,45,46,48,49, 51/02	75185	2	22,47/02	83032	1	18/02	93117	2	19,40,41/02
74292	8	13,27,34,38/02	75190	2	11,23,47/02	83034	1	12/02	93160	4	15*,27,34/02
74293	7	25,34,45,48/02	75191	6	3,22,25,37,38,43,47/02	83039	11	9,12,41/02	93180	7	27,34/02
74294	3	25,34,45/02	75193	6	22,49/02	83252	8	18/02	93200	4	9,26,27/02
74295	3	18,22/02	75207	2	36,52/02	83253	2	18/02	93220	6	17,27,34/02
74296	4	27,34,38,49/02	75208	2	14,26,50/02	83382	9	20,25,27/02	93240	11	17,34/02
74310	2	9/02	75213	2	36,52/02	83383	2	20,25,27/02	93243	6	42/02
74320	3	35/02	75215	2	36,39,40,52/02	83385	19	20,27/02	93247	4	26/02
74330	3	15/02	75220	12	10,14,36,39,49/02	83392	5	31/02	93260	8	27,31/02
74340	3	15,27/02	75222	8	18,22,35,40/02	83393	2	N31/02	93261	5	31/02
74350	4	25/02	75240	4	14,36,39/02	83397	6	8,18/02	93360	5	38/02
74376	5	43/02	75241	6	34,36/02	83425	6	3,20,35/02	93385	6	6,18/02
74380	4	2,3,9,22,32/02	75251	5	23,33,48/02	83500	1	9,12/02	93404	6	6/02
74391	3	15/02	75252	6	13,17,21,23,24,33,36, 48/02	83560	3	9/02	93420	4	18/02
74392	7	16,22,25,39/02	75261	6	13,17,21,23,24,33,36, 48/02	83570	2	5,24/02	93440	4	18/02
74393	9	12,16,18,19,25,28,31,38, 41,50/02	75262	6	12,38/02	83572	1	24/02	93460	7	6/02
74394	2	3,12,18,19,28,31,41,49, 50/02	75263	9	17,32/02	83574	2	5/02	93520	13	45/02
74410	3	16,20,25,38/02	75264	17	16,17,19,33,34,37,41,42, 44,45/02	91008	1	12,29,44,48/02	93610	3	44,45/02
74415	1	39/02	75265	2	13,17,20,21,24/02	91009	1	21/02	93650	2	19,44/02
74420	3	45/02	76015	1	3,4,18,23,24,29,35,40/02	91170	2	38,41,44/02	93680	3	45,47/02
74430	2	49/02	76020	7	8,18/02	91240	5	7,10/02	93690	2	44/02
74440	3	32,39/02	76030	9	9,12,24,49/02	91280	7	19,22/02	93698	3	45/02
74450	3	21,22,26,49/02	76041	2	2/02	91286	10	13,20/02	93710	3	14,26/02
74455	3	9,19,21,23,48/02	76050	8	24,49/02	91289	19	13,19,20/02	93720	10	39,45,50/02
74460	4	21,22,26,37,40,46,49/02	76052	8	8,12,15,21/02	91294	8	10,14/02	93721	5	5,8,9,20,22,26,32,39,42, 45,50/02
74465	2	9/02	76054	5	9,49/02	91297	9	10,14/02	93725	6	20,45/02
74475	2	44/02	76060	7	40/02	91300	3	10,21,22/02	93726	4	26,48/02
74480	2	44/02	76061	3	40/02	91309	4	13/02	93730	3	6,21,39,40,42,45,47, 50/02
74485	3	16,43/02	76070	9	4,9,12,23,35/02	91331	3	10,21/02	93733	13	5,6,17,21,22,26,32,39, 45/02
74492	7	6,16/02	76071	9	4,23,35/02	91340	3	11,19,21/02	93734	11	6,17,22,26,32,45/02
74493	3	6,16,38,43,45/02	76080	8	3/02	91360	2	11/02	93736	22	5,6,8,11,16,22,26,32, 41/02
74494	2	41/02	76081	7	9,12/02	91400	2	10/02	93778	8	14,47/02
74510	2	14,16,17,33,35,37/02	76090	6	2,9/02	91407	2	10/02	94004	6	2,12,14,19,29,30,33,37, 44,52/02
74515	4	10,13,14,20,28,33,35, 39/02	76110	5	23/02	92006	5	45,46/02	94016	2	12,23,33,35,52/02
74517	3	10,13,18,20,21,39,41/02	76120	6	6,22,23,25/02	92010	3	19/02	94028	7	7,8,9,13,14,23,25,40,42, 52/02
74521	3	28,41/02	76121	8	4,9/02	92020	2	19/02	94040	13	30,37,47,51/02
74527	2	28/02	76140	7	2,46/02	92025	3	10,11,13,21/02	94042	9	47,51/02
74530	2	28,44/02	76141	8	4,14,19,46/02	92030	4	7,10,11,19,21/02	94060	10	2,5,27,29,30,33,37,46, 47/02
74535	2	31,42,44,48/02	76142	1	46/02	92033	5	45/02	94061	5	2,5,19,33,35,47/02
74545	3	28,40/02	76147	1	2,8/02	92060	3	21/02	94063	4	29,33,41/02
74555	3	10,34,43,44,48,51/02	76150	6	35/02	92061	3	21/02	94067	10	33/02
74560	10	14,23,28,32,40,43,46,48, 50/02	76151	7	5,22/02	92110	3	13/02	94080	7	14,15,27,29,30,33,44, 48/02
74581	9	9,13,20,26,32,34,36,40, 41,43,45/02	76161	10	9,40/02	92115	1	13,15/02	94082	8	5,13,14,25,27,30,44/02
74582	9	3,9,13,18,26,28,40/02	76170	7	29/02	92120	3	5/02	94083	12	5,13,17,25,44/02
74583	15	26,32,34,40,43,44,48/02	76171	10	9/02	92200	3	10,19/02	94084	1	5,6,13,23,25/02
74584	5	4,18,22,25,32,34,41,43, 45/02	81002	6	18/02	92214	4	3,19/02	94120	6	12,19,21,33,38,48,52/02
74590	2	10,28,51/02	81023	5	18/02	92216	3	23/02*	94122	7	19,30,40/02
74591	7	10,40/02	81048	8	14/02	92242	2	3/02	94123	9	12,21,33,38,42,44,52/02
74595	2	28/02	81054	12	14,29/02	92290	2	7,11/02	94124	13	38,42,44/02
75000	6	47/02	81063	5	2/02	92293	2	7,11/02	94127	2	21,33,38/02
75001	3	9,23,47/02	81067	5	51/02	92310	4	5,11,13/02	94160	7	2,26,27,33,38,44,46,47, 50,51,52/02
75010	7	16,18,41,42,50/02	81076	9	51/02	92320	4	7,10/02	94164	2	2,26,27,46,50,51/02
75025	9	14,22,23,36,39/02	81092	3	38*,50/02	92380	3	7,10,11/02	94165	4	14,20,26,50/02
75035	18	10,21,24,36,39/02	81711	6	23/02	92385	4	7,10/02	94180	9	26,32,42,44,47,50,51/02
75051	6	13,16/02	81715	4	23/02	92410	3	10,11,14/02	94184	2	N51/02
75052	2	13,16/02	82015	13	22/02	92420	4	11/02	94187	3	32/02
75053	2	13,16/02	82020	7	22/02	92450	3	7,21/02	94188	2	44,46,47,51/02
75054	2	50/02	82030	8	12,18/02	92460	1	11/02	94201	1	51/02
75110	2	50/02	82210	2	42,48/02	92470	3	19,21/02	94203	10	22,26,41,42,44,46,47, 52/02
75120	2	16,42/02	82242	1	35,48,50/02	93006	2	21,39,45/02	94206	3	22,26,41,42,44,47,52/02

## SECTION I

NM 52/02

**CHARTS AFFECTED BY NOTICE TO MARINERS**  
**NM 2/02 THROUGH NM 52/02**

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.
94207	5	N26,N42,N44,N47, N52/02	95267	5	11,17/02	97105	3	8,10,20/02	97286	6	10,11,21,23,25,27,31,34, 35,36,41,42/02
94208	6	N44/02	95268	16	39,48/02	97120	6	2,15,22,28,31,37,40,42, 43/02	97287	5	11,34/02
94216	6	27,45/02	95270	4	8,48/02	97140	17	2,10,15,22,33,37,39,43,	97300	6	12/02
94217	4	30/02	95271	4	44,48/02	97141	5	13*,19,21,40,46/02	97303	3	18,25,47,48/02
94218	3	30,36/02	95273	2	48/02	97143	11	2,21,31,43,45/02	97320	6	33/02
94219	1	47/02	95274	3	21/02*	97144	14	44*,46/02	97340	8	27,33,38,52/02
94220	4	22,26,41,42,47,49/02	95276	3	2,17,48/02	97145	1	2,15,22,43/02	97341	9	2,27,34/02
94260	5	49/02	95280	9	2,17,48/02	97146	10	44/02*	97342	14	27,38/02
94280	5	51/02	95282	7	46,52/02	97148	9	21*,23,45/02	97343	12	27,38/02
94282	9	46/02	95300	5	2,16,45,48,52/02	97149	20	25,34,35,44,45/02	97360	6	20,23,27,38/02
94283	7	46/02	95320	15	8,35,38/02	97150	13	34,39,43,44/02	97380	7	21,39,47,52/02
94360	6	18,32,43/02	95341	8	8,10,11,18,19,42,47/02	97151	16	31,35,44,45/02	97381	7	27/02
94361	13	18,32/02	95342	16	30/02	97152	8	37/02	97382	2	41,45/02
94363	4	32,43/02	96000	5	6,8/02	97153	7	31/02	97383	16	31/02
94420	3	5,39/02	96004	14	16,17,44,45/02	97154	2	36/02	97384	4	47/02
94421	10	15,45/02	96012	16	7,8,11/02	97155	14	2,20,31,35,36,37,39,40, 48/02	97385	10	31,52/02
94423	12	19,45/02	96020	4	6,7,41/02	97156	6	2,21,37/02	97389	1	39/02
94427	2	N32/02	96024	3	6,7,8/02	97157	1	35,37/02	97390	5	7,31,39,40/02
94440	2	46/02	96028	5	6,7,8/02	97159	6	33,39/02	97391	26	31/02
95016	8	9,12,40/02	96032	3	38/02	97163	14	23/02	97392	5	21/02
95040	8	4,40/02	96039	7	16,17,30/02	97166	1	33/02	97396	14	7,18,21,36,39,40/02
95060	13	4,10,14,15,16,40,43,44, 47,48,52/02	96041	11	16,17,30/02	97167	2	23,33/02	97397	7	3,8,18,25,39,49/02
95065	5	4,14,48/02	96042	11	16/02	97180	6	8,9,11,22,31,34,39,43,45, 46,48/02	97398	3	21,25,49/02
95066	11	10,10,13,14,15,16,18,19, 20,41,43,44,47,48,49, 50/02	96043	8	16/02	97181	20	8,9,11,18,22,25,31,34,46, 48/02	97400	3	25,26/02
95067	13	18,41,44,46/02	96044	10	8,29,30/02	97182	13	11,18,21,23,31,34,39,46, 48/02	97410	8	11,21/02
95068	1	41,42,45,47/02	96120	6	30/02	97183	9	25,44/02	97412	7	40/02
95080	13	8,10,13,16,18,25,27,30, 33,40,44,45,50,52/02	96130	2	9/02	97184	15	25,28,47/02	97420	17	8,9,21,34,39,42,47,52/02
95082	9	10,13,19,21,25,27,30,33, 44,46/02	96140	5	30/02	97185	2	43/02	97421	13	20,35,36/02
95083	8	21,25,33/02	96141	4	9/02	97187	3	44,48/02	97423	2	20,35,36/02
95084	7	15,16,18,50,52/02	96181	5	9/02	97189	2	25,28,44/02	97425	6	10,34,39,47,52/02
95085	4	15,45,52/02	96200	5	8,9/02	97190	2	8,9,22,34,39,52/02	97440	8	20,23,27,52/02
95086	5	15,45,52/02	96204	1	41/02	97200	9	11,52/02	97441	5	20,46/02
95087	3	4,19,21,25,33,40,48/02	96240	4	8,11/02	97202	15	43,44,52/02	97460	7	40/02
95100	12	7,8,9,10,13,14,15,16,18, 38,39,43,44,45,46,47,50, 52/02	96240	4	11,12/02	97204	9	2,10,28,29,45,52/02	97461	9	4,5,21/02
95101	8	8,13,14,15,39,44,50/02	96240	5	12/02	97206	2	10,12/02	97465	9	5,21/02
95102	8	8,10,13,38,42,45,46,47, 48,50,52/02	96240	4	12/02	97207	3	11/02	97466	2	5,25,46/02
95103	8	8,13,42,43,45,47,52/02	96240	5	12/02	97218	3	10,21,41/02	97469	10	7,26/02
95120	7	6,13,17,20,21,42,43, 52/02	96240	7	29,43,48/02	97219	4	10,12,21,25,31/02	97471	5	N7,N31/02
95138	8	45,46,48,49,50,52/02	96240	5	19*,41/02	97220	3	2,7,8,21,24,31,37,39,42, 43,44/02	97472	8	6,7,34/02
95140	15	7,8,10,14,15,18,22,38,40, 41,44,48,49,52/02	96240	4	5,7,29,35,45/02	97221	20	2,7,8,10,11,21,24,31,37, 39,42,44,45,49,52/02	97473	7	5/02
95141	8	7,14,45,47,50,52/02	96240	3	6,19/02	97226	7	17/02	97474	7	21/02
95142	9	15*,18,19,50,52/02	96240	3	6/02	97227	11	21,24,42,43/02	97480	7	12,21,35,52/02
95143	11	4,15,18,40,45,47,48,49, 50/02	96240	2	7/02	97228	15	2,21,28,30,39,40,42, 43/02	97481	6	10,47,49/02
95144	9	8,10,19,38,41,46,48,50, 52/02	96240	9	7/02	97229	12	2,7,8,18,24,27,31,36,39, 44,45/02	97483	7	48,52/02
95146	14	7,10,19,36,38,39,40,41, 44,46,47,48,50,52/02	96240	4	5,7,45/02	97230	18	2,29,36,52/02	97521	6	19,42/02
95147	13	7,39,41,44,45,46,47,48, 49/02	96240	2	5,27,41/02	97231	11	10,21,41/02	800669	8	N20/02
95149	9	15,18,22,34,36,37,38,41, 43,48,49,52/02	96240	2	27/02	97232	8	4,15,20,25/02	800744	1	N22,N49/02
95151	17	13,15,18,34,36,37,38,40, 47,50/02	96240	1	6,7,8/02	97233	11	31,33,43,44,49,52/02	801217	1	N5,N6,N7,N21/02
95152	5	37,38/02	96240	4	7,8/02	97234	17	29,43,47,49/02	801885	3	N28/02
95153	2	15,22,34,36,37,38,43/02	96240	9	7/02	97235	8	21,28,29,31,33,48/02	801959	2	N10/02
95160	13	4,7,8,9,15,27,41,42,47, 52/02	96240	2	40/02	97245	31	2,7,8,11,21,24,37,39,42, 44,45/02	802202	8	N14,N23,N31,N35/02
95161	16	4,27,31,40,45,48,50/02	96240	4	9/02	97246	7	43,52/02	802260	5	N20/02
95162	2	20,40,44,47/02	96240	4	19,30,35/02	97247	10	31,47/02	803404	2	N26/02
95163	2	27/02	96240	7	2,16/02	97248	11	21,24,42,43/02	804037	1	N28/02
95164	4	43,48/02	96240	10	23/02	97249	15	2,21,28,30,39,40,42, 43/02	804059	2	N20/02
95167	10	44/02	96240	3	19/02	97250	1	27,29,40/02	804567	4	N17/02
95169	2	4,44,50,52/02	96240	5	43,47/02	97251	12	2,7,8,18,24,27,31,36,39, 40,41/02	805647	2	N37,N51/02
95173	1	15,16,17,50,52/02	96240	9	45,47/02	97252	7	29,43,47,49/02	807861	2	N27/02
95174	1	17,50,52/02	96240	2	17,23/02	97253	10	31,33/02	808528	1	N25/02
95176	2	16,20,31/02	96240	8	9,46/02	97254	8	21,28,29,31,33,48/02	809310	9	N13,N18,N39/02
95177	1	18,41,50/02	96240	3	52/02	97255	19	10,21,27/02	809679	2	N25,N50/02
95180	11	9,15,17,18,27,40,42,44, 49/02	96240	12	8,9,27,44/02	97256	1	27,29,40/02			
95185	2	20,31,40,44,49/02	96240	2	8,9/02	97257	11	10,17,27/02			
95250	4	12,44/02	96240	5	9/02	97258	11	39/02			
95255	2	44/02	96240	9	24/02	97259	9	27/02			
95261	7	48/02	96240	4	20,28,42,47/02	97260	4	52/02			
95262	13	41,46/02	96240	1	28/02	97261	2	41/02			
95264	8	6,48/02	96240	4	8,10,20/02	97262	6	10,19,23,27,31,34,42,02			

## SECTION II

NM 52/02

## NIMA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

Note: Underlining indicates that column in which a correction has been made or new information added.				Edition		Price Category	Page(s)	NTM
NIMA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date				
	REGION 1							
11XHA11365 (7642014007741)	Barataria and Bayou Lafourche Waterways  (Not shown on index) (New edition due to numerous Notice to Mariners corrections)	50,000	<u>17</u>	<u>10/02</u>	NOS	1-92	52/02	
11XHA11428 (7642014010243)	Okeechobee Waterway-St. Lucie Inlet to Fort Myers and Lake Okeechobee  (Not shown on index) (New edition due to numerous Notice to Mariners corrections)	80,000	<u>32</u>	<u>10/02</u>	NOS	1-92	52/02	
11XHA11465 (7642014010254)	Miami to Elliott Key  (New edition due to numerous Notice to Mariners corrections)	40,000	<u>36</u>	<u>10/02</u>	NOS	1-92	52/02	
12AHA12221 (7642014010300)	Chesapeake Bay Entrance (LORAN-C)  (New edition due to numerous Notice to Mariners corrections)	80,000	<u>73</u>	<u>10/02</u>	NOS	1-92	52/02	
12AHA12230 (7642014010305)	Chesapeake Bay-Smith Point to Cove Point (LORAN-C)  Continuation: Pocomoke River (New edition due to numerous Notice to Mariners correctons)	80,000	<u>59</u>	<u>10/02</u>	NOS	1-92	52/02	
14XCO14500 (7642014010561)	<u>Great Lakes (LORAN-C)</u>  (New edition due to numerous Notice to Mariners corrections)	1,500,000	<u>27</u>	<u>10/02</u>	NOS	1-38,94	52/02	
14XHA14832 (7642014010655)	Upper Niagara River	30,000	<u>34</u>	<u>10/02</u>	NOS	1-94	52/02	
14XCO14838 (7642014597214)	Buffalo to Erie (LORAN-C)  Insets: Barcelona Harbor Dunkirk Harbor (New edition due to numerous Notice to Mariners corrections)	120,000 5,000 15,000	<u>3</u>	<u>10/02</u>	NOS	1-94	52/02	
14XCO14901 (7642014010589)	Lake Michigan (LORAN-C)  (New edition due to numerous Notice to Mariners corrections)	500,000	<u>14</u>	<u>10/02</u>	NOS	1-94	52/02	
14XHA14937 (7642014010701)	<u>Ludington Harbor</u>  (New edition due to various general changes)	5,000	<u>24</u>	<u>10/02</u>	NOS	1-41,94	52/02	
14XHA14975 (7642014010713)	Duluth-Superior Harbor  Inset: Upper St. Louis River (Inset not shown on index) (New edition due to numerous Notice to Mariners corrections)	15,000 30,000	<u>33</u>	<u>10/02</u>	NOS	1-94	52/02	
14XHA14995 (7642014010727)	Western Kabetogama Lake  (New edition due to various general changes)	42,240	<u>11</u>	<u>10/02</u>	NOS	1-94	52/02	
17BCO17300 (7642014011387)	<u>Stephens Passage to Cross Sound (LORAN-C)</u>  Inset: Tenakee Inlet <u>57 44N 135 20W</u> <u>57 49N 134 55W</u> <u>Continuations: Glacier Bay</u> <u>Lynn Canal</u> (Inset and continuations not shown on index) (New edition due to changes in hydrography, new inset)	209,978 100,000 209,978 209,978	<u>30</u>	<u>10/02</u>	NOS	1-8,95	52/02	
17BCO17422 (7642014011394)	Western Part of Behm Canal  Inset: Yes Bay (Inset not shown on index) (New edition due to various general changes)	79,334 40,000	<u>8</u>	<u>10/02</u>	NOS	1-96	52/02	
18XHA18528 (7642014011613)	Willamette River-Portland to Walnut Eddy  (New edition due to numerous Notice to Mariners corrections and changes in format-formerly Chart 18528, Side A only)	15,000	<u>10</u>	<u>10/02</u>	NOS	1-83,96	52/02	

## SECTION II

## NIMA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

Note: Underlining indicates that column in which a correction has been made or new information added.				Edition		Price Category	Page(s)	NTM
NIMA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date				
18XHA18529 (7642014627130)	Willamette River-Walnut Eddy to Newberg  Upper Panel <u>45 15 37N 122 50 35W</u> <u>45 16 36N 122 40 32W</u> <u>45 19 26N 122 41 12W</u> <u>45 18 12N 122 51 12W</u>  Lower Panel <u>45 15 46N 123 00 30W</u> <u>45 13 51N 122 50 43W</u> <u>45 16 37N 122 49 45W</u> <u>45 18 32N 122 59 27W</u> (New edition due to numerous Notice to Mariners corrections and changes in format-formerly Chart 18528, Side B only)	15,000	10	<u>9/02</u>	NOS	1-82,83, 96	52/02	
DNCDXVDU (7644014946812)	MISCELLANEOUS CHARTS AND PUBLICATIONS  Digital Nautical Chart (DNC) - VPF Database Update (VDU)		8	<u>10/02</u>	DS	10-40, 47	52/02	

Price Categories effective 1 October 2002

A	17.75	E	9.00	G	4.50	I	26.25
D	10.75	F	9.00	H	2.50	R	2.50

CHS Canadian Hydrographic Service  
 DS Distribution Limited  
 GPO Government Printing Office  
 NOS National Ocean Service  
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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.

## NAVIGATION PUBLICATIONS

## SAILING DIRECTIONS CORRECTIONS

**PUB 153            9 Ed 2000            LAST NM 48/02**

Page 42—Line 8/L; read:

structures, especially the inner range, are reported (2002) to be difficult to identify at a distance,

(PUBS 039/02)

52/02

Page 62—Line 39/R; read:

lighted. It has been reported (2002) that the rear range marker is slightly obscured by vegetation and the top of the front range marker.

(PUBS 040/02)

52/02

**PUB 160            2 Ed 2002            LAST NM 49/02**

Page 120—Lines 8 to 10/R; read:

Time (CHARLIE (-3)) is maintained from the last Friday in March through the last Friday in October.

(BA NM 47/02, Section VI)

52/02

**PUB 192            7 Ed 2000            LAST NM 48/02**

Page 95—Lines 47 to 58/R; read:

**Pilotage.**—Pilots must be embarked at the Wandelaar Pilot Station (see paragraph 6.7).

Pilotage through Flanders Banks is advisable for vessels without local knowledge. Pilots for this route are available from Dunkerque.

**Regulations.**—The Vessel Traffic Service Scheldemond (VTS-SM) system operates in the W approaches to the estuary of the Westerschelde, N of Nieuwpoort. The Wandelaar Pilot Station is situated within the Traffic Area Wandelaar of this system. For complete details of the VTS-SM procedures, see Regulations (Traffic Control) under Westerschelde (paragraph 6.7).

Vessels over 75m in length (to a maximum of 82m) should request permission to enter from the port authorities 24 hours in advance, stating draft and any special means of maneuvering. Such vessels must arrive in the roads 6 hours prior to HW at the port.

(BA NP 286)

52/02

Page 96—Lines 25 to 45/R; read:

**Pilotage.**—Pilots must be embarked at the Wandelaar Pilot Station (see paragraph 6.7).

Pilotage through Flanders Banks is advisable for vessels without local knowledge. Pilots for this route are available from Dunkerque.

**Regulations.**—The Vessel Traffic Service Scheldemond (VTS-SM) system operates in the W approaches to the estuary of the Westerschelde, N of Oostende. The Wandelaar Pilot Station is situated within the Traffic Area Wandelaar of this system. For complete details of the VTS-SM procedures, see Regulations (Traffic Control) under Westerschelde (paragraph 6.7).

Vessels must request permission to enter the port from Oostende Port Control on VHF channel 9 or by telephone.

(BA NP 286)

52/02

Page 98—Lines 1 to 30/L; read:

**Pilotage.**—Pilots must be embarked at the Wandelaar Pilot Station (see paragraph 6.7).

LNG vessels embark pilots about 1 mile E of the A-Zuid Lighted Buoy (51°21'N., 2°37'E.).

Pilotage through Flanders Banks is advisable for vessels without local knowledge.

**Regulations.**—The Vessel Traffic Service Scheldemond (VTS-SM) system operates in the W approaches to the estuary of the Westerschelde, N of Zeebrugge. The Wandelaar Pilot Station is situated within the Traffic Area Wandelaar and the port is located within Traffic Area Zeebrugge of this system.

For complete details of the VTS-SM procedures, see Regulations (Traffic Control) under Westerschelde (paragraph 6.7).

Special rules are in force concerning the movement of LNG vessels in the approaches and within the port.

The port may be contacted by E-mail at mbz@unicall.be.

**Signals.**—International port traffic signals, which control entry and departure, are displayed from the head of the W breakwater and from the tower at the head of Leopold II Dam (see paragraph 6.1).

(BA NP 286)

52/02

Page 99—Lines 36 to 58/L; read:

the Westerschelde for the following vessels:

1. All sea-going vessels with a Belgian destination except the following:

- a. Vessels of less than 80m in length.
- b. Vessels with a draft of less than 2.2m.
- c. Tugs, fishing vessels, and military vessels.
- d. Dredgers, vessels on an estuary maritime trade, and vessels carrying pilot exemptions.

2. Vessels with a Netherlands destination, as follows:

- a. Vessels over 75m in length and 5.5m draft in the fairway between Schouwenbank Lighted Buoy (51°45'N., 3°14'E.) and Vissingen Oost.
- b. Vessels over 75m in length in all other fairways.
- c. All vessels carrying oil, gas, or chemicals (fully loaded, partially loaded, or empty but not gas free).

Pilots are available at the following stations:

1. Wandelaar Pilot (51°22'N., 2°52'E.), a Belgian pilot vessel, is stationed about 1 mile WSW of the A1 Lighted Buoy (51°22'N., 2°53'E.). Pilots board inbound vessels in a position about 6.5 miles W of the A1 Lighted Buoy, in the Precautionary Area. All inbound vessels should contact the pilot station (or Wandelaar Traffic Center) on VHF channel 65 at least 1 hour before ETA at the boarding position. This station also provides pilots for Nieuwpoort, Oostende, and Zeebrugge.

**PUB 192 (Continued)**

2. Steenbank Pilot (51°45'N., 3°12'E.), a Netherlands pilot vessel, is stationed about 1 mile W of Schouwenbank Lighted Buoy (51°45'N., 3°14'E.). Pilots board inbound vessels in the vicinity of this buoy. All inbound vessels should contact the Steenbank Traffic Center on VHF channel 64 at least 30 minutes before ETA at the pilot boarding position. This station also provides pilots for the Oosterschelde.

The pilot vessels have aboard Belgian and Netherland pilots who cooperate closely. Generally, Belgian pilots will take vessels through Wielingen to Belgian ports on the Schelde or to any of the Belgian coastal ports. Netherlands pilots will take vessels through Wielingen to Netherlands ports on the Westerschelde. Vessels bound for Antwerp exchange sea pilots for river pilots off Vlissingen.

All vessels should send a request for pilotage and an ETA to the appropriate pilot station through Oostende (OST) or Scheveningen (PCH) at least 6 hours in advance. If the original ETA is delayed by more than 2 hours, a revised message must be sent. Messages may be sent by telex to Pilot VTS Wandelaar though Zeebrugge Traffic Center and to Pilot VTS Steenbank also addressed to Loodswezen Vlissingen (Flushing).

Towed vessels over 100m in length, or over 30m wide, or over 8m draft must send an ETA and request for pilotage, in writing, at least 24 hours in advance with tow details.

Vessels intending to anchor in the designated area lying 3.5 miles NE of Schouwenbank Lighted Buoy (51°45'N., 3°14'E.) should inform the Steenbank Traffic Center and, when anchored, keep a listening watch on VHF channel 64.

All request for pilotage messages must include the following:

<b>Designator</b>	<b>Information Required</b>
A	Name, call sign, and flag.
I	Port of destination and time (GMT) of ETA at Wandelaar or Steenbank Pilot Station.
O	Draft (meters and centimeters).
P	Cargo product(s) carried. Technical name of any dangerous cargo.
T	Agent.
U	GRT and length.
X	Additional remarks concerning damage, injury, navigability, equipment, or list.

Vessels with a Belgian destination carrying dangerous cargoes, gas products, or which last carried gas products and are not gas free are required to send the following additional information:

1. Name and call sign.
2. Date and time (GMT) of report.
3. Nationality.
4. Length.
5. GRT.

6. Destination.
7. Product, UN number.
8. Product, total quantity.
9. Name of agent/owner.
10. Carriage, or not, of a valid Compliance Certificate issued or recognized by the flag country and statement that the ship is loaded in conformity to it.

All vessels requesting a pilot by helicopter should also state in their ETA message that a pilot by helicopter is required and their direction of approach. VHF channel 9 is reserved for ship to helicopter communication. Pilots can be transported to and from vessels by helicopter 24 hours per day.

For vessels (inbound and outbound) using the Wandelaar Pilot station, the helicopter service area is bounded by a circle of 4 miles radius centered on a position situated 3.5 miles NNW of the A1 Lighted Buoy (51°22.4'N., 2°53.4'E.).

Inbound vessels using this helicopter service are requested, in order to be identified on radar, to report on VHF channel 65 to Wandelaar Traffic Center, as follows:

- a. 2 hours prior to arrival at the KB Lighted Buoy (51°21.1'N., 2°42.9'E.).
- b. Eastbound vessels—when passing the East Dyck Lighted Buoy (51°21.4'N., 2°31.2'E.).
- c. Southbound vessels—when passing the SW Thornton Lighted Buoy (51°31.0'N., 2°51.0'E.) and the Westpit Lighted Buoy (51°33.7'N., 3°10.0'E.).

For vessels (inbound and outbound) using the Steenbank Pilot station, the helicopter service area is bounded by a circle of 4 miles radius centered on a position situated 2 miles NW of Schouwenbank Lighted Buoy (51°45'N., 3°14'E.).

A remote radar-controlled shore-based pilotage service (SBP) is available from the Wandelaar and Steenbank pilot boarding positions for vessels bound to and from Belgium and Netherlands ports, as follows:

1. Wandelaar approaches (Scheur/Willinger Fairway)—Vessels not exceeding the following maximum dimensions may obtain shore-based pilotage:

- a. Vessels carrying dangerous cargo—less than 125m in length with a draft of less than 6m.
- b. Vessels not carrying dangerous cargo, bound for Zeebrugge—less than 169m in length with a draft of less than 8m.
- c. Vessels not carrying dangerous cargo, bound for other Belgian and Dutch ports—less than 200m in length with a draft of less than 10m.

Vessels should contact Traffic Center Wandelaar 30 minutes before entering the VTS-SM area, on VHF channel 65, for advice on the possibility of obtaining shore-based pilotage. Vessels will then be requested to transfer to Radar Control Zeebrugge on VHF channel 4 to receive procedural information.

2. Steenbank approaches (Oostgat Fairway).—Vessels not exceeding the following maximum dimensions may obtain shore-based pilotage:
  - a. Vessels carrying dangerous cargo—less than 85m in length with a draft of less than 4.5m.

**PUB 192 (Continued)**

- b. Vessels not carrying dangerous cargo—less than 115m in length with a draft of less than 6.4m.

Vessels should contact Traffic Center Steenbank 30 minutes before entering the VTS-SM area, on VHF channel 64, for advice on the possibility of obtaining shore-based pilotage.

**Regulations—Traffic Control.**—The Vessel Traffic Service Scheldemond (VTS-SM) system operates in the approaches to the estuary of the Westershelde and within the Schelde.

The system consists of several Traffic Areas (Sectors) and is mandatory for all sea-going inbound and outbound vessels.

The reports must be in Dutch or English languages only. All vessels, including vessels at anchor, must maintain a continuous listening watch on the appropriate VHF channel for their Traffic Area (Sector).

Vessels should send an ETA at least 6 hours in advance of arrival at the appropriate pilot boarding place, with amendments if it differs by more than 2 hours.

Vessels approaching from the N and bound for ports in Belgium should send their ETA message to Pilot/VTS Steenbank through Scheveningen (PCH).

Vessels approaching from the W and bound for ports in Belgium should send their ETA message to Pilot/VTS Wandelaar through Oostende (OST).

The ETA messages of vessels bound for Belgian ports must include the following:

Designator	Information Required
A	Name, call sign, and flag.
I	Port of destination and time (GMT) of ETA at Wandelaar or Steenbank Pilot Station.
O	Draft (meters and centimeters).
P	Cargo and IMO category.
T	Agent.
U	GRT, length, and beam.
X	Additional remarks concerning damage, injury, navigability, equipment, list, and general particulars.

Vessels carrying dangerous cargoes, gas products, or which last carried gas products and are not gas free are required to send the following additional details:

1. Carriage, or not, of a valid Compliance Certificate issued or recognized by the flag country and statement that the ship is loaded in conformity to it.
2. Any deficiencies which may effect the ability to maneuver or the safety of navigation or any events affecting or putting in danger the marine environment or connected zones.

Vessels approaching from the N or W and bound for ports in the Netherlands should send their ETA message to Pilotage Vlissingen (Flushing) through Scheveningen (PCH) and state the name of the appropriate pilot boarding station.

The ETA messages of vessels bound for Netherlands ports must include the following:

Designator	Information Required
A	Name, call sign, and flag.
B	Date and time (GMT) of report.
I	Port of destination.
J	ETA at Wandelaar or Steenbank Pilot Station.
O	Draft (meters and centimeters).
P	Cargo and IMO category.
T	Agent.
U	GRT, length, and beam.
X	Any special particulars.

All inbound vessels must report, as follows:

1. 30 minutes before entering the VTS-SM operational area to the appropriate Traffic Area Center (Wandelaar on VHF channel 65 or Steenbank on VHF channel 64). The report must include name, position, draft, and destination. Vessels will then receive voyage instructions.
2. When entering the VTS-SM operational area (the outer Traffic Areas). The report must include name, position, destination, and ETA.
3. When entering a new Traffic Area (Sector).
4. When passing the call-in reporting points, which are indicated on the chart (see below).

All inbound vessels must maintain a VHF listening watch on the appropriate channel.

The VTS-SM operational area is divided into the following Traffic Areas (Sectors):

1. Traffic Area Wandelaar.  
The limits of this sector are formed by a line joining:
  - a. Position 51°18'N, 2°58'E.
  - b. Middelkerkebank Lighted Buoy (51°18'N., 2°43'E.).
  - c. A-Zuid Lighted Buoy (51°22'N., 2°37'E.).
  - d. AN Lighted Buoy (51°24'N., 2°37'E.).
  - e. Akkaert NE Lighted Buoy (51°27'N., 2°59'E.).
  - f. Scheur 2 Lighted Buoy (51°23'N., 2°58'E.).
  - g. A1 bis Lighted Buoy (51°22'N., 2°58'E.).

Vessels should report to the Traffic Center Wandelaar on VHF channel 65. The call-in reporting point is the A1bis/S2 Lighted Buoys (51°22.6'N., 2°58.1'E.).

2. Traffic Area Zeebrugge.  
The limits of this area are formed by a line joining:
  - a. The coast (51°18'N., 3°05'E.).
  - b. Position 51°18'N, 2°58'E.
  - c. A1 bis Lighted Buoy (51°22'N., 2°58'E.).
  - d. Scheur 2 Lighted Buoy (51°23'N., 2°58'E.).
  - e. Akkaert NE Lighted Buoy (51°27'N., 2°59'E.).
  - f. Westpit Lighted Buoy (51°34'N., 3°10'E.).
  - g. W 4 Lighted Buoy (51°25'N., 3°25'E.).
  - h. W 5 Lighted Buoy (51°24'N., 3°25'E.).
  - i. The coast (51°23'N., 3°25'E.).

**PUB 192 (Continued)**

Vessels should report to the Traffic Center Zeebrugge on VHF channel 69. The call-in reporting points are Akkaert NE Lighted Buoy (51°27'N., 2°59'E.), Westpit Lighted Buoy (51°34'N., 3°10'E.), and when entering Zeebrugge Roads.

## 3. Traffic Area Steenbank.

The limits of this area are formed by a line joining:

- a. The coast (51°30'N., 3°30'E.).
- b. OG 13 Lighted Buoy (51°29'N., 3°30'E.).
- c. W 4 Lighted Buoy (51°25'N., 3°25'E.).
- d. Westpit Lighted Buoy (51°34'N., 3°10'E.).
- e. Position 51°50'N, 3°10'E.
- f. SBO Lighted Buoy (51°50'N., 3°30'E.).
- g. The coast (51°04'N., 3°30'E.).

Vessels should report to the Traffic Center Steenbank on VHF channel 64. The call-in reporting point is the Schouwenbank Lighted Buoy (51°45'N., 3°14'E.).

## 4. Traffic Area Vlissingen.

The limits of this area are formed by:

- a. The E limits of Traffic Areas (Sectors) Steenbank and Zeebrugge.
- b. A line extending between the N and S shores of the river and passing through the E3A Lighted Buoy and No. 8 Lighted Buoy.

Vessels should report to the Traffic Center Vlissingen on VHF channel 14, when within this area and W of the E3A Lighted Buoy (51°24'N., 3°44'E.) or No. 8 Lighted Buoy (51°23'N., 3°44'E.).

## 5. Traffic Area Terneuzen.

The limits of this area are formed by:

- a. The E limit of Traffic Area Vlissingen.
- b. A line extending between the N and S shores of the river and passing through Buoys 32 and 35 (51°23'N., 3°57'E.).

Vessels should report to the Radar Center Terneuzen on VHF channel 3, when within this area and E of the E3A Lighted Buoy (51°24'N., 3°44'E.) or No. 8 Lighted Buoy (51°23'N., 3°44'E.).

Vessels transiting the Terneuzen-Ghent Canal should report to the Havendienst Terneuzen Traffic Center on VHF channel 11, when N of the Zelgate Bridge, and to Havendienst Ghent Traffic Center on VHF channel 11, when S of the bridge.

## 6. Traffic Area Hansweert.

The limits of this area are formed by:

- a. The E limit of Traffic Area Terneuzen.
- b. A line extending between the N and S shores of the river and passing through Buoys 46 and 55 (51°24'N., 4°02'E.).

Vessels should report to Centrale Hansweert Center on VHF channel 65.

## 7. Traffic Area Antwerpen.

The limits of this area are formed by:

- a. The E limit of Traffic Area Hansweert.
- b. A line extending between the N and S shores of the river at Lighted Buoy 116 (51°14'N., 4°22'E.).

Vessels should report to Centrale Zandvliet on VHF channel 12.

LNG vessels proceeding to Zeebrugge (Belgium) must report, as follows:

1. An ETA should be sent to VTS-SM 48 hours, 24 hours, 6 hours, and 1 hour prior to arrival at the boarding position, about 1 mile E of the A-Zuid Lighted Buoy (51°21'N., 2°37'E.). Vessels must also report 24 hours before arrival that they have no suspected defects. Any change to the ETA must be reported immediately.

2. Vessels should report to Traffic Center Vlissingen (Flushing) on VHF channel 14, Traffic Center Wandelaar on VHF channel 65, Traffic Center Zeebrugge on VHF channel 69, and Port Control Zeebrugge on VHF channel 71, as follows:

- a. Immediately after embarking the pilot.
- b. On passing the A1 Lighted Buoy (51°22'N., 2°53'E.).
- c. On passing the SZ Lighted Buoy (51°24'N., 3°07'E.).
- d. On passing the Z Lighted Buoy (51°23'N., 3°10'E.).
- e. On passing Zeebrugge harbor breakwater.

(BA NP 286) 52/02

Page 99—Lines 1 to 58/R; strike out.

(NIMA) 52/02

Page 100—Lines 1 to 60/L; strike out.

(NIMA) 52/02

Page 100—Lines 1 to 32/R; strike out.

(NIMA) 52/02

Page 134—Lines 24 to 28/L; read:

German Bight for information and regulations concerning large vessels and vessels carrying dangerous cargo (paragraph 8.2).

The regulations below apply to all other vessels.

Pilotage for Netherlands ports is compulsory for the following vessels:

1. For general traffic in the fairway between Westerems Lighted Buoy and Borkum—Vessels over 150m in length, 25m beam, or 7m draft.

2. For car ferries in the fairway between Westerems Lighted Buoy and Borkum—Vessels over 120m in length, 20m beam, or 7m draft.

3. In the fairway between Borkum and Eemshaven—Vessels over 90m in length, 13m beam, or 7m draft.

4. In the fairway between Eemshaven and Delfzijl—Vessels over 90m in length, 13m beam, or 6m draft.

(BA NP 286) 52/02

**PUB 193**

**8 Ed 2000**

**LAST NM 26/02**

Page 138—Lines 4 to 13/R; read:

**Pilotage.**—Pilots are provided by the DANPILOT station at Skagen for the North Sea, Kattegat, The Sound, Store Baelt, Lille Baelt, and ports in the Baltic Sea.

Vessels should send a request for pilotage and an ETA through a coastal radio station at least 12 hours in advance

**PUB 193 (Continued)**

with a confirmation 3 hours before arrival. The message should include destination, draft, and pilotage requirements.

The pilot station (Skawpilot) can be contacted by E-mail at danpilot@pilotage.dk.

Pilots can be contacted by VHF and board in positions located about 3 miles N (Skagen 1) and 4 miles E (Skagen 2) of Skagens Light (57°44'N., 10°37'E.).

(BA NP 18) 52/02

Page 144—Lines 25 to 26/L; read:

**Directions.—Route T.**—From a position located about 5 miles NE of Skagens Light (57°44'N., 10°37'E.), Route T, the

(BA NP 18) 52/02

Page 144—Lines 41 to 42/L; read:

**Route B.**—From a position located about 5 miles NE of Skagens Light (57°44'N., 10°37'E.), Route B leads S for 32 miles, passing W of Laeso, and SSE for

(BA NP 18) 52/02

**PUB 195**

**7 Ed 2002**

**LAST NM 51/02**

Page 5—Lines 43 to 44/R; read:  
standing at the N end of the island.

(Rus NM 12/02) 52/02

Page 86—Lines 33 to 46/L; read:

is authorized for drafts up to 10m. It leads ESE and passes about 1.2 miles WSW of Rauman Majakka Light (61°09'N., 21°10'E.) and NE of Reilander. At a position located about 1.7 miles NW of Rihtniemi Light (61°05'N., 21°18'E.), the route enters a buoied channel and then leads about 1.5 miles ESE, 3 miles ENE, and 0.7 mile NE to the harbor basins.

The N route, which is known as the Valkeakari Channel, is authorized for drafts up to 7.5m. From a position located about 2.7 miles NE of Rauman Majakka Light (61°09'N., 21°10'E.), this route leads about 3.8 miles ESE and passes 1.5 miles NNE of Kylmapihlaja Light (61°09'N., 21°18'E.). It then leads 0.5 mile SSE through a narrow, buoied fairway and passes close E of the island of Valkeakari. The route continues SE for about 1.8 miles to the harbor basins.

(BA NP 20) 52/02

**COAST PILOT CORRECTIONS**

**COAST PILOT 7**

**33 Ed 2001**

**Change No. 33**

**LAST NM 51/02**

Page 139—Paragraph 3397, line 3 to Paragraph 3398; read:  
geographical positions:

Latitude	Longitude
33°35.50'N.	118°14.00'W.
33°18.70'N.	118°06.75'W.

**\$167.1300 through §167.1332**

[The International Maritime Organization's Maritime Safety Committee approved changes to the existing traffic separation schemes (TSS) in the Strait of Juan de Fuca and Its Approaches, Puget Sound and Its Approaches, and added TSSs and other routing measures in Haro Strait, Boundary Pass, and in the Strait of Georgia. These changes take effect 1 December, 2002. The revised limits are depicted on the most recently published NOAA nautical charts. The final regulations governing the use of the aforementioned TSS have not been approved as of this writing. When these regulations are published in the Federal Register, they will be added to this Coast Pilot through an amendment published in NIMA's Notice to Mariners, the 13<sup>th</sup> Coast Guard District's Local Notice to Mariners, and on Coast Pilot's critical correction website at <http://critcorr.ned.noaa.gov>.]

(From International Maritime Organization COLREGS.2/Cir.51.para 1.5 (May 31, 2002)

**Part 168-Escort Requirements for Tankers Escort Requirements for Certain Tankers****§168.01 Purpose.**

(NOS/02; FR 8/27/02)

52/02

## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME I LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
17795	<b>Castle Hill Light</b>	41 27 44 N 71 21 47 W	Iso R 6s	40	12	Conical granite tower, upper half white.	HORN: 1 blast ev 10s (1s bl).  * 52/02
18125	PRUDENCE ISLAND LIGHT	41 36 21 N 71 18 13 W	Fl G 6s	28	6	White octagonal tower.	 * 52/02
18145	<b>Hog Island Shoal Light</b>	41 37 56 N 71 16 24 W	Iso W 6s	54	12	White conical tower on black cylindrical pier.	Higher intensity beam up and down channel. HORN: 2 blasts ev 30s (2s bl-2s si-2s bl-24s si).  * 52/02
18305	<b>Conimicut Light</b>	41 43 01 N 71 20 42 W	Fl W 2.5s (R sector)	58	W 15 R 13	White conical tower on cylindrical pier.	Red from 322° to 349°, covers Ohio Ledge. HORN: 2 bl ev 30s (2s bl-2s si-2s bl-24s si).  * 52/02
19145	- NORTH BREAKWATER LIGHT 4	41 34 28 N 71 26 16 W	Fl R 4s	16	5	TR on white skeleton tower.	 * 52/02
19490	- EAST ENTRANCE LIGHT 3	41 21 42 N 71 30 48 W	Fl G 4s	39	5	SG on post on concrete base.	 * 52/02
19500	- WEST ENTRANCE LIGHT 2	41 21 42 N 71 30 48 W	Fl R 4s	40	5	TR on post on concrete base.	 * 52/02
19505	- WEST ENTRANCE LIGHT 3	41 21 56 N 71 30 53 W	Fl G 6s	35	6	SG on post on concrete base.	HORN: 1 blast ev 30s (3s bl).  * 52/02
19815	<b>Race Rock Light</b>	41 14 37 N 72 02 49 W	Fl R 10s	67	16 45	Granite tower attached to dwelling, on granite pier.	Horn points southeast. Emergency light of reduced intensity when main light is extinguished. HORN: 2 blasts ev 30s (2s bl-2s si-2s bl-24s si).  * 52/02
19830	<b>Little Gull Island Light</b>	41 12 23 N 72 06 25 W	Fl (2) W 15s	91	18	Gray granite tower, attached to red dwelling on pier.	Emergency light of reduced intensity when main light is extinguished. HORN: 1 blast ev 15s (2s bl).  * 52/02
20155	SEAFLOWER REEF LIGHT On southwest part of reef.	41 17 46 N 72 01 59 W	Fl W 4s	28	7	NG on skeleton tower.	 * 52/02

**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 LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
20170	STONINGTON OUTER BREAKWATER LIGHT 4	41 19 00 N 71 54 28 W	Fl R 4s	46	5	TR on skeleton tower, small house, concrete base.	HORN: 1 blast ev 10s (1s bl).  *
							52/02
20175	STONINGTON BREAKWATER LIGHT 5	41 19 31 N 71 54 47 W	Fl G 4s	31	5	SG on skeleton tower, concrete base.	 *
							52/02
20185	STONINGTON INNER BREAKWATER LIGHT 8	41 19 50 N 71 54 34 W	Fl R 4s	27	5	TR on skeleton tower, concrete base.	 *
							52/02
<b>FISHERS ISLAND SOUND (Chart 13214)</b>							
<b>Mumford Cove</b>							
<i>Aids maintained from May 1 to Nov. 1 unless otherwise noted.</i>							
20875	VENETIAN HARBOR ENTRANCE LIGHT 1	41 18 53 N 72 01 09 W	Fl G 4s	13	4	SG on pile.	 *
							52/02
21070	BARTLETT REEF LIGHT On south end of reef.	41 16 28 N 72 08 14 W	Fl W 6s	35	8	NR on skeleton tower.	HORN: 2 blasts ev 60s (3s bl-3s si-3s bl-51s si).
							52/02
21090 27695	PLUM GUT LIGHT	41 10 26 N 72 12 42 W	Fl W 2.5s	50	5	On skeleton tower.	 *
							52/02
21115 22495	Saybrook Breakwater Light	41 15 48 N 72 20 34 W	Fl G 6s	58	11	White conical tower on brown cylindrical pier. 49	Emergency light of reduced intensity when main light is extinguished. HORN: 1 blast ev 30s (3s bl).
							52/02
21170	Falkner Island Light	41 12 43 N 72 39 13 W	Fl W 10s	94	13	White octagonal tower. 46	 *
							52/02
21210 24060	Southwest Ledge Light	41 14 04 N 72 54 44 W	Fl R 5s	57	13	White octagonal house on brown cylindrical pier.	Emergency light of reduced intensity when main light is extinguished. HORN: 1 blast ev 15s (2s bl).
							52/02
21230	Stratford Point Light	41 09 07 N 73 06 12 W	Fl (2) W 20s	52	16	White conical tower, brown band midway of height.	Emergency light (Fl W 6s) of reduced intensity when main light is extinguished.
							52/02
21260	- (Middle Ground) Light	41 03 35 N 73 06 05 W	Fl W 5s	60	13	Gray, granite octagonal tower projection from house on pier.	RACON: Y(- • - -). HORN: 1 blast ev 15s (2s bl).
							52/02

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME I LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
21325	Eatons Neck Light	40 57 14 N 73 23 43 W	F W	144	18	White stone tower. 73	HORN: 1 blast ev 30s (3s bl). 52/02
		*					
21340	Greens Ledge Light On north side of west end of ledge.	41 02 30 N 73 26 38 W	AI W R 24s W fl 12s ec. R fl 12s ec.	62	W 18 R 15	Conical tower, upper half white, lower half brown, on black cylindrical pier.	Emergency light of reduced intensity Fl W 12s when main light is extinguished. HORN: 2 blasts ev 20s (2s bl-2s si-2s bl-14s si). 52/02
		*					
21480	GANGWAY ROCK LIGHT 27A Near end of shoal.	40 51 29 N 73 44 45 W	Fl G 6s	40	6	SG on skeleton tower.	
		*					52/02
27780	- Entrance Buoy 1	41 02 16 N 72 11 20 W				Green can.	
		*					52/02
27785	- Entrance Buoy 2	41 02 15 N 72 11 25 W				Red nun.	
		*					52/02
28222	- Buoy 11					Green can.	Private aid.
		*					52/02
<b>Red Creek Pond Entrance</b>							
28885	- LIGHT 1	40 55 00 N 72 33 18 W	Fl G 5s	3	SG on pile.	Maintained from Apr. 15 to Nov. 15. Private aid.	
		*					52/02
35135	- RANGE FRONT LIGHT	40 29 15 N 73 59 35 W	Q W (G sector) (R sector)	44	KGB (E section) KRW (Main section) on skeleton tower on concrete base.	Red from 063.0° to 073.0°. Green from 300.5° to 315.5°. RACON: C(- * - *).	
		*					52/02

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
3705	FRANKFORD CHANNEL LOWER DIRECTIONAL LIGHT	40 00 19 N 75 03 26 W	F G	30	14	On multi-pile structure.	Light oriented on bearing 241°, not on centerline of channel. Lighted throughout 24 hours.
		*		*	*	*	
*3707	FRANKFORD CHANNEL LOWER DIRECTIONAL PASSING LIGHT		Fl W 4s	17	5	On same structure as Frankford Channel Lower Directional Light.	
							52/02
9555	- Buoy 2S	36 54 51 N 76 20 06 W				Red nun.	
		*					52/02

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.  
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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
9565	- Daybeacon 6	36 54 39 N 76 19 47 W				TR on pile.	
	*	*				*	52/02
10130	- LIGHT 1	36 55 05 N Q G 76 05 22 W		15	5	On multi-pile structure.	
	*				*		52/02
	<b>*Add Heading: *Little Creek Harbor</b>						
10468	Little Creek Entrance lighted buoy 1LC	36 58 05 N Q G 76 10 04 W			3	Green.	
	*						52/02
	<b>*Delete Headings: *CAPE HENRY TO THIMBLE SHOAL LIGHT (Chart 12254) *Little Creek Harbor</b>						
10470	Little Creek Entrance Lighted Buoy 2	36 56 29 N Fl R 2.5s 76 10 48 W			6	Red.	
							52/02
	<b>Newport News Middle Ground</b>						
	<i>Anchorage buoys mark junction of fairway with anchorage areas.</i>						
10765	- Anchorage Buoy H	36 56 45 N 76 21 36 W				Yellow nun.	
	*						52/02
10810	NEWPORT NEWS OBSTRUCTION LIGHT	36 57 42 N Fl W 4s 76 24 24 W		25	5	NW on multi-pile structure.	
					*		52/02
10815	- LIGHT	36 56 43 N Fl R 10s 76 23 29 W		52	12	Red conical tower on red cylindrical pier.	
					*		52/02
10880	- Lighted Bell Buoy 12		Fl R 2.5s		4	Red.	
					*		52/02
11000	- ENTRANCE LIGHT 1	36 59 57 N Fl G 2.5s 76 18 54 W		15	3	SG on multi-pile structure.	
	*						52/02
	<b>NEWPORT NEWS TO JAMESTOWN ISLAND (Chart 12248)</b>						
	<b>Nansemond River</b>						
11017	- CHANNEL LIGHT 2	36 55 47 N Fl R 2.5s 76 24 00 W		15	4	TR on pile.	
	*						52/02
11025	- CHANNEL LIGHT 5	36 54 44 N Fl G 4s 76 27 03 W		17	4	SG on pile.	
	*				*		52/02

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>Bennett Creek</b>							
11045	- LIGHT 1	36 53 13 N 76 28 49 W	Fl G 4s	15	4	SG on pile.	Light equipment removed from Dec. 1 to Mar. 15. 52/02
		*					
11050	- Daybeacon 2	36 52 57 N 76 28 54 W				TR on pile.	52/02
		*					
11055	- Daybeacon 3	36 52 42 N 76 28 57 W				SG on pile.	52/02
		*					
11075	- CHANNEL LIGHT 12		Fl R 4s	18	3	TR on pile.	Light equipment removed from Dec. 1 to Mar. 15. 52/02
					*		
11090	- CHANNEL LIGHT 16		Fl R 4s	15	3	TR on multi-pile structure.	Light equipment removed from Dec. 1 to Mar. 15. 52/02
					*		
11095	- Channel Daybeacon 18	36 50 45 N 76 31 38 W				TR on pile.	52/02
		*					
11120	- CHANNEL LIGHT 25		Fl G 4s	15	4	SG on multi-pile structure.	Light equipment removed from Dec. 1 to Mar. 15. 52/02
					*		
11130	- CHANNEL LIGHT 28		Fl R 4s	15	3	TR on multi-pile structure.	Light equipment removed from Dec. 1 to Mar. 15. 52/02
					*		
11215	- ENTRANCE LIGHT 3		Fl G 4s	15	4	SG on multi-pile structure.	52/02
				*	*		
11225	- ENTRANCE LIGHT 7	36 55 07 N 76 29 29 W	Fl G 4s	15	4	SG on pile.	52/02
		*					
11230	- ENTRANCE LIGHT 8		Fl R 4s	15	3	TR on pile.	Light equipment removed from Dec. 1 to Mar. 15. 52/02
				*	*		
<b>James River</b>							
11367	- Channel Lighted Buoy 1	37 00 46 N 76 29 54 W	Fl G 2.5s		4	Green.	52/02
		*					
11370	- CHANNEL LIGHT 2	37 01 15 N 76 30 17 W	Fl R 4s	15	4	TR on multi-pile structure.	52/02
		*		*			

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.  
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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
11380	- ENTRANCE LIGHT 3	37 00 43 N 76 32 11 W	Fl G 2.5s	15	3	SG on pile.	
		*					52/02
11385	Oyster Rock Warning Daybeacon	37 00 25 N 76 32 17 W				NW on pile worded DANGER SUBMERGED ROCK.	
		*					52/02
11400	- CHANNEL LIGHT 8		Fl R 4s	15	3	TR on pile.	
			*				52/02
11425	JONES CREEK LIGHT 4		Fl R 4s	15	3	TR on pile.	
			*				52/02
11430	- CHANNEL LIGHT 14		Fl R 4s	15	4	TR on multi-pile structure.	
			*		*		52/02
11440	- CHANNEL LIGHT 16		Fl R 6s	15	4	TR on multi-pile structure.	
			*		*		52/02
11455	- CHANNEL LIGHT 19		Fl G 2.5s	16	3	SG on multi-pile structure.	
					*		52/02
11465	- CHANNEL LIGHT 4	37 01 47 N 76 31 10 W	Fl R 2.5s	15	4	TR on multi-pile structure.	
		*		*	*		52/02
<b>Deep Creek Channel</b>							
11470	DEEP CREEK JUNCTION LIGHT		Fl (2+1) R 6s	15	5	JR on multi-pile structure.	
					*		52/02
11475	- ENTRANCE LIGHT 2	37 03 36 N 76 32 06 W	Fl R 4s	15	5	TR on pile.	
			*				52/02
11490	- LIGHT 7		Fl G 4s	18	4	SG on multi-pile structure.	
					*		52/02
11515	- LIGHT 12		Fl R 4s	15	3	TR on pile.	
			*				52/02
11560	White Shoal Daybeacon 2	37 01 27 N 76 32 05 W				TR on pile.	
		*					52/02
11585	- CHANNEL LIGHT 10 195 feet outside channel limit.	37 03 12 N 76 34 37 W	Fl R 4s	16	3	TR on multi-pile structure.	Ra ref.
		*			*		52/02

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>Burwell Bay</b>							
11600	- Daybeacon 1	37 02 59 N 76 36 56 W				SG on pile.	
		*					52/02
18650	- WHARF LIGHT						Remove from list. *
							52/02
<b>Deep Creek</b>							
22190	- ENTRANCE LIGHT 1		Fl G 4s	15	4	SG on multi-pile.	*
							52/02
22315	- LIGHT 6		Fl R 4s	15	3	TR on multi-pile structure.	*
							52/02
24475	HEARNS COVE CHANNEL LIGHT 7		Fl G 4s	15	3	SG on multi-pile structure.	*
							52/02
25830	KNAPPS NARROWS EAST CHANNEL APPROACH LIGHT 1 On east point of shoal.	38 41 24 N 76 18 43 W	Fl G 4s	15	3	SG on multi-pile structure.	Light equipment removed from Dec. 1 to Mar. 15.
				*	*	*	
25835	KNAPPS NARROWS EAST CHANNEL APPROACH LIGHT 2		Fl R 4s	15	3	TR on multi-pile structure.	*
				*	*	*	52/02
29540	- Buoy 10					Red nun.	
		*	*	*	*	*	52/02
30271	- Buoy 2A						Remove from list. *
							52/02
32813	PAMLICO POINT WARNING LIGHT		Fl W 6s	15	5	NW on pile.	
				*	*		52/02
32815	- Daybeacon 1					SG on pile.	*
							52/02

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
9857	- Entrance Daybeacon 4	30 15 19 N 89 57 01 W		17		TR on pile.	Ra ref.
				*			52/02

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
17685	GRAND PASS LIGHT 2	29 15 48 N 90 56 00 W	FIR 4s	20	4	TR on pile.	Ra ref.
	*						52/02

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
130 3036	LONG BEACH PIER G LIGHT						Remove from list.
	*						52/02
220	Souza Rock Lighted Gong Buoy 14SR	35 07 45 N 120 44 43 W	Fl (2+1) R 6s		4	Red and green bands.	
	*						52/02
984.1	NOAA Data Lighted Buoy 46066	52 42 00 N 155 00 00 W	Fl (4) Y 20s			Yellow boat-shaped hull.	
	*						52/02

### DIXON ENTRANCE TO CAPE ST. ELIAS (Chart 16016)

985 24330	CAPE MUZON LIGHT	54 39 51 N 132 41 30 W	Fl W 6s	80	7	NR on spindle.	Obscured from 089° to 297°.
	*						52/02
995	LOWRIE ISLAND LIGHT	54 51 33 N 133 31 57 W	Fl W 6s	52	9	NR on skeleton tower.	
	*						52/02
1000 24455	DIVER ISLANDS LIGHT	55 10 40 N 133 15 53 W	Fl W 4s	130	7	NR on post.	Obscured from 186° to 007°.
	*						52/02
1005 24460	CAPE BARTOLOME LIGHT	55 13 50 N 133 36 56 W	Fl W 6s	158	7	NR on spindle.	Obscured from 148° to 263°.
	*						52/02
1010 24650	CAPE ULITKA LIGHT	56 33 45 N 133 43 43 W	Fl W 6s	115	6	NR on skeleton tower.	Obscured from 310° to 053°.
	*						52/02
1015 23450	HELM POINT LIGHT	55 49 35 N 134 16 13 W	Fl W 6s	140	6	NR on skeleton tower.	Obscured from 067° to 188°.
	*						52/02
1020 23440	Cape Decision Light	56 00 05 N 134 08 09 W	Fl W 5s	96	18	White square building with square tower rising from center.	Obscured from 134° to 245°. Emergency light (Fl W 5s) of reduced intensity if main light is extinguished.
	*	*			*		52/02

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1025 23460	CAPE OMMANEY LIGHT	56 09 37 N 134 39 40 W	Fl W 6s	168	8	NR on monopile.	Obscured from 117° to 251°.  * 52/02
1030 24910	CAPE EDGECUMBE LIGHT	56 59 54 N 135 51 27 W	Fl W 4s	100	7	NR on skeleton tower.	Obscured from 149.5° to 321°.  * 52/02
1035 25165	KLOKACHEF ISLAND LIGHT	57 24 13 N 135 54 21 W	Fl W 6s	85	7	NR on square frame.	Obscured from 155.5° to 291°.  * 52/02
1040 25370	HILL ISLAND LIGHT	57 43 39 N 136 16 36 W	Fl W 4s	60	6	NR on square frame.	Obscured from 111° to 264°.  * 52/02
1045	Star Rock Bell Buoy	57 49 47 N 136 16 36 W				Green and red bands.	Maintained from May 15 to Sept. 30.  * 52/02
1055	GREENTOP ISLAND LIGHT	57 51 19 N 136 29 06 W	Fl W 6s	79	6	NR on monopile.	  52/02
1060	Deer Harbor Entrance Bell Buoy 1	57 56 11 N 136 34 37 W				Green.	Maintained from May 15 to Sept. 30.  * 52/02
1065	SURGE BAY ENTRANCE LIGHT	57 58 36 N 136 33 40 W	Fl W 4s	65	6	NR on monopile.	Obscured from 176° to 016°.  * 52/02
1070 24240	Cape Spencer Light	58 11 56 N 136 38 26 W	Fl W 10s	105	17	White square concrete tower on rectangular concrete building. 25	Emergency light (Fl W 10s) of reduced intensity if main light is extinguished.  * 52/02
1075	LIBBY ISLAND LIGHT	58 16 24 N 136 46 26 W	Fl W 4s	53	6	NR on spindle.	Obscured from 089° to 206°.  * 52/02
1080	<i>Sugarloaf Island Shoal Lighted Whistle Buoy 2</i>	58 17 23 N 136 53 23 W	Fl R 6s	4	Red.		  52/02
1085 25415	OCEAN CAPE LIGHT	59 32 06 N 139 51 20 W	Fl W 6s	130	9	NR on skeleton tower.	Obscured from 134° to 309°.  * 52/02
1090 25420	<i>Yakutat Bay Entrance Lighted Whistle Buoy 2</i>	59 31 59 N 139 57 11 W	Fl R 2.5s	4	Red.		  52/02

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CAPE ST. ELIAS TO SHUMAGIN ISLANDS (Chart 16013)</b>							
1100	Cape St. Elias Light	59 47 54 N 144 35 56 W	Fl W 10s	85	17	White square tower at corner of rectangular building.	Obscured from 160° to 287° and from 018.5° to 027°. Emergency light (Fl W 10s) of reduced intensity when main light is extinguished.
	*	*			*		52/02
1105	Cape St. Elias Buoy 2	59 44 48 N 144 38 04 W				Red nun.	
	*				*		52/02
1110	Wessels Reef Buoy 1	59 47 45 N 146 05 32 W				Green can.	
	*				*		52/02
1115 25475	<i>Egg Islands Lighted Whistle Buoy EI</i>	60 17 22 N 145 43 13 W	Mo (A) W		6	Red and white stripes.	
	*				*		52/02
1120 25480	EGG ISLAND LIGHT E	60 22 00 N 145 45 08 W	Fl W 6s	33	9	NR on skeleton tower.	
	*				*		52/02
1125	Cape Hinchinbrook Light	60 14 15 N 146 38 48 W	Fl W 15s	235	19	White square tower on corner of building.	Obscured from 134° to 135° and 138° to 283°. Emergency light, Fl W 15s, of reduced intensity if main light is extinguished.
	*	*			*		52/02
1130 25515	SEAL ROCKS LIGHT	60 09 46 N 146 44 53 W	Fl W 6s	48	8	NR on skeleton tower.	RACON: K (- • -).
	*				*		52/02
1131	<i>NOAA Data Lighted Buoy 46061</i>	60 13 06 N 146 45 08 W	Fl (4) Y 20s			Yellow boat-shaped weather buoy.	
	*				*		52/02
1135 25520	<i>Seal Rocks Shoal Lighted Whistle Buoy 1</i>	60 09 58 N 149 22 24 W	Fl G 4s		4	Green.	
	*				*		52/02
1140 25985	RUGGED ISLAND LIGHT	59 50 18 N 149 22 26 W	Fl W 6s	438	7	NR on steel skeleton tower.	Obscured from 059° to 111° and from 114° to 221°.
	*				*		52/02
1145	PILOT ROCK LIGHT	59 44 31 N 149 28 12 W	Fl W 4s	100	6	NR on skeleton tower.	
	*				*		52/02
1150	SEAL ROCKS LIGHT	59 31 14 N 149 37 47 W	Fl W 6s	285	8	NR on steel skeleton tower.	
	*				*		52/02

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1155 26065	EAST CHUGACH LIGHT	59 06 23 N 151 26 47 W	Fl W 6s	325	8	NR on skeleton tower.	Obscured from 118° to 227°.  *
							52/02
1185	CAPE CHINIAK LIGHT	57 37 41 N 152 09 13 W	Fl W 6s	120	8	NR on skeleton tower.	Obscured from 001° to 052° and from 257° to 260°.  *
							52/02
<b>ALASKA PENINSULA AND ALEUTIAN ISLANDS (Chart 16011)</b>							
1200	HAGUE ROCK LIGHT	54 33 04 N 162 24 06 W	Fl W 4s	60	6	NR on square frame.	
							52/02
1205	Pankof Breaker Buoy 1	54 42 50 N 162 59 54 W				Green can.	
							52/02
1225	UGAMAK ISLAND LIGHT	54 13 45 N 164 47 55 W	Fl W 4s	98	8	NR on skeleton tower.	
							52/02
1230	CAPE SARICHEF LIGHT	54 35 57 N 164 55 49 W	Fl W 2.5s	170	8	NR on skeleton tower.	Obscured from 223.5° to 018.5°.
							52/02
1240	NORTH HEAD LIGHT	54 13 16 N 165 58 47 W	Fl W 6s	60	6	NR on small house.	Obscured from 257° to 054°.
							52/02
1245	SEALION ROCKS LIGHT	55 27 52 N 163 12 12 W	Fl W 6s	94	7	On skeleton tower.	
							52/02
1250	CAPE SENIAVIN LIGHT	56 23 58 N 160 08 47 W	Fl W 6s	175	7	NR on skeleton tower.	
							52/02
<i>Lights are maintained from July 1 to Nov. 1.</i>							
1285	CAPE MOHICAN LIGHT	60 12 41 N 167 27 29 W	Fl W 6s	285	7	NR on skeleton tower.	
							52/02
1287	CAPE ETOLIN LIGHT	60 26 15 N 166 10 02 W	Fl W 6s	40	6	NR on skeleton tower.	
							52/02
1290	BLACK RIVER ENTRANCE LIGHT	62 20 56 N 165 21 11 W	Fl W 4s	20	7	NR on skeleton tower.	
							52/02

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1293 27859.5	SHELDON POINT LIGHT	62 32 09 N 165 01 21 W	Fl W 2.5s	18	6	NR on skeleton tower.	
		*					52/02
1340	SLEDGE ISLAND LIGHT	64 29 46 N 166 11 56 W	Fl W 6s	32	7	NR on skeleton tower.	Obscured from 326° to 080°.
		*					52/02
1350	POINT SPENCER LIGHT	65 16 38 N 166 50 57 W	Fl W 6s	22	7	NR on skeleton tower.	
		*					52/02
1360	SHISHMAREF LIGHT	66 15 22 N 166 04 11 W	Fl W 4s	20	6	NR on skeleton tower.	
		*					52/02
1365	NORTHWEST CORNER LIGHT	66 34 50 N 164 24 24 W	Fl W 6s	75	7	NR on skeleton tower.	Maintained from July 1 to Nov. 1.
		*					52/02
1370	Cominco Red Dog Racon Light	67 34 42 N 164 03 09 W	Fl (2) W 10s	112	10	On tower.	RACON: K(- • -). Maintained from June 1 to Nov. 1. Private aid.
		*					52/02
3036 130	- PIER G LIGHT						Remove from list.
							*
10121	Sea Lion Research Lighted Buoy	46 11 49 N 123 47 59 W	Fl Y 4s			Yellow.	Private aid.
	*	*					52/02
<b>Lady Island</b>							
11490	- RANGE FRONT LIGHT	45 33 46 N 122 26 52 W	Q W	36		KRB on pile structure.	Visible 3° each side of rangeline.
		*					52/02
<b>VANCOUVER TO THE DALLES (Chart 18531)</b>							
<b>Bonneville Pool</b>							
11765	- LIGHT 3	45 38 29 N 121 56 09 W	Fl G 4s	40	3	SG on skeleton tower.	
		*		*			52/02
14257	- Danger Rock Daybeacon						Remove from list.
							*
							52/02

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CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2002

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>*Add Heading: *Squaxin Passage</b>							
18412	Kamilche Sea Farm Lighted Buoy A	47 07 29 N 123 01 16 W	Fl Y 5s		Yellow.	Private aid.	
							52/02
19830	Sucia Island Buoy 1	48 45 47 N 122 55 10 W			Green can.		
		*	*		*		52/02
19835	Sucia Island Buoy 2	48 45 44 N 122 55 09 W			Red nun.		
		*	*		*		52/02
21835	LORD ROCK LIGHT	54 43 33 N 130 49 13 W	Fl W 4s	38	7	NR on skeleton tower.	
		*					52/02
21840	TREE POINT LIGHT	54 48 11 N 130 56 02 W	Fl W 6s	86	9	White square tower on building. Obscured from 158° to 318°.	
		*			*		52/02
21841	Stone Rock Bay Coast Guard Mooring Buoy	54 44 22 N 132 00 26 W			White sphere with blue stripe.		
		*					52/02
21845	BARREN ISLAND LIGHT	54 44 38 N 131 21 03 W	Fl W 4s	85	7	NR on spindle.	
		*					52/02
21850	CAPE CHACON LIGHT	54 41 26 N 132 01 01 W	Fl W 2.5s	50	6	NR on frame.	Obscured from 112° to 226.5°.
		*					52/02
21855	POINT MARSH LIGHT	54 42 42 N 132 17 43 W	Fl W 4s	74	6	NR on skeleton tower.	Obscured from 127° to 265°.
		*					52/02
<b>Portland Canal</b>							
21875	REEF ISLAND LIGHT	55 04 44 N 130 12 12 W	Fl W 4s	19	6	NR on spindle.	Higher intensity beam up Portland Canal, higher intensity beam down Pearse Canal. Obscured from 020.5° to 197.5°.
		*					52/02
21890	Hyder Harbor Entrance Buoy 1	55 54 18 N 130 00 36 W			Green can.		
							52/02
21895	Salmon River Shoal Buoy 3	55 54 27 N 130 00 20 W			Green can.		
		*					52/02

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>Nakat Bay</b>							
21910	Tongass Reef Daybeacon	54 47 13 N 130 44 40 W				NR on skeleton tower.	
		*					52/02
21915	BOAT ROCK LIGHT	54 46 49 N 130 47 58 W	Fl W 2.5s	46	6	NR on skeleton tower.	Obscured from 049° to 210°.
		*					52/02
<b>Revillagigedo Channel</b>							
21920	EAST ISLAND LIGHT	54 52 14 N 131 11 45 W	Fl W 2.5s	43	7	NR on skeleton tower.	Obscured from 014° to 184°.
		*					52/02
21925	FOGGY POINT LIGHT	54 55 29 N 130 58 35 W	Fl W 4s	17	6	NR on skeleton tower.	
		*					52/02
21930	BLACK ROCK LIGHT	55 01 25 N 131 03 35 W	Fl W 6s	55	6	NR on cylindrical house on pyramidal skeleton tower.	
		*					52/02
21935	SLATE ISLANDS LIGHT	55 05 17 N 131 03 10 W	Fl W 4s	33	5	NR on spindle.	Obscured from 121° to 247°.
		*					52/02
21940	MARY ISLAND LIGHT	55 05 06 N 131 10 57 W	Fl W 6s	76	6	On white square tower on white building.	Obscured from 341° to 150°.
		*					52/02
21945	TWIN ISLANDS LIGHT TI	55 08 38 N 131 13 00 W	Fl G 6s	19	5	SG on skeleton tower.	Obscured from 324° to 081°.
		*					52/02
21950	HOG ROCKS LIGHT	55 10 41 N 131 16 59 W	Fl W 4s	23	7	NR on concrete caisson.	
		*					52/02
21955	ANGLE POINT LIGHT	55 14 19 N 131 25 37 W	Fl W 6s	24	6	NR on skeleton tower.	Obscured from 132° to 288°, high intensity beam toward bearing of 119°.
		*					52/02
21960	Mastic Rock Daybeacon	55 15 29 N 131 24 03 W				NR on pile.	
		*					52/02
21965	SPIRE ISLAND REEF LIGHT SI	55 16 05 N 131 29 59 W	Fl G 4s	30	4	SG on square truncated concrete pyramid.	
		*					52/02

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*21971	Hole-In-The Wall Breakwater Markers (2)						Private aid.
							52/02
21975	MOUNTAIN POINT LIGHT	55 17 37 N 131 32 55 W	Fl W 6s	29	6	NR on skeleton tower.	Obscured from 117° to 282°.
		*					52/02
21980	Potter Rock Lighted Bell Buoy	55 18 06 N 131 34 40 W	Fl (2+1) R 6s		4	Red and green bands.	
		*					52/02
21990	SNIPE ISLAND LIGHT 5	55 00 14 N 131 23 21 W	Fl G 6s	20	4	SG on skeleton tower.	
		*					52/02
22000	HARRIS ISLAND LIGHT 2	55 00 14 N 131 32 07 W	Fl R 6s	16	4	TR on skeleton tower.	Obscured from 294° to 083°.
		*					52/02
22005	POINT DAVIDSON LIGHT	54 59 40 N 131 36 51 W	Fl W 6s	33	6	NR on spindle.	Obscured from 138° to 250°.
		*					52/02
22015	- Buoy 1	55 02 03 N 131 31 16 W				Green can.	
		*					52/02
<b>Nichols Passage</b>							
22020	Hid Reef Lighted Whistle Buoy 2	55 04 08 N 131 40 31 W	Fl R 4s		4	Red.	
		*					52/02
<b>West Channel</b>							
22025	Point McCartery Buoy 3	55 06 43 N 131 41 50 W				Green can.	
		*					52/02
22030	POINT McCARTEY LIGHT	55 06 48 N 131 42 24 W	Fl W 6s	44	5	NR on skeleton tower.	Obscured from 080° to 090°, and from 113° to 197°.
							52/02
22035	- Lighted Bell Buoy 4	55 08 47 N 131 39 42 W	Fl R 2.5s		4	Red.	
		*					52/02
<b>East Channel</b>							
22040	- Daybeacon 2	55 09 17 N 131 36 22 W				TR on spindle.	
		*					52/02

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
22045	Kelp Rocks Buoy 1	55 09 29 N 131 37 56 W				Green can.	
		*					52/02
22050	WARBURTON ISLAND LIGHT	55 07 56 N 131 38 01 W	Fl W 4s	35	5	NR on skeleton tower.	Obscured from 063° to 189°.
		*					52/02
22055	GULL ISLAND LIGHT GI	55 08 19 N 131 36 21 W	Fl (2+1) R 6s	20	5	JR on spindle.	
		*					52/02
22060	DRIEST POINT LIGHT 4	55 10 35 N 131 36 23 W	Fl R 6s	29	4	TR on spindle.	Obscured from 177° to 328°.
		*					52/02
<b>Port Chester</b>							
22065	METLAKATLA BOAT HARBOR LIGHT 2	55 07 52 N 131 35 08 W	Fl R 2.5s	20	4	TR on spindle.	
		*					52/02
22070	Mettlakatla Inner Harbor Daybeacon 3	55 07 51 N 131 35 07 W				SG on pile.	
		*					52/02
22075	Mettlakatla Inner Harbor Daybeacon 5	55 07 50 N 131 35 10 W				SG on pile.	
		*					52/02
22080	Mettlakatla Inner Harbor Daybeacon 7	55 07 48 N 131 35 09 W				SG on pile.	
		*					52/02
22085	VILLAGE POINT LIGHT 4	55 07 53 N 131 34 38 W	Fl R 4s	40	3	TR on skeleton tower.	
		*					52/02
22100	SCRUB ISLAND LIGHT 5	55 08 15 N 131 34 29 W	Fl G 6s	10	4	SG on spindle.	
		*					52/02
22102	HUB ROCK LIGHT	55 08 20 N 131 33 07 W	Fl W 2.5s	10	5	NR on pile.	
		*					52/02
22105	SCRUB ISLAND LIGHT 7	55 08 32 N 131 33 57 W	Fl G 2.5s	10	4	SG on spindle.	
		*					52/02
22107	MORSE ROCK LIGHT 8	55 09 09 N 131 34 14 W	Fl R 4s	10	4	TR on pile.	
		*					52/02

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>Nichols Passage</b>							
22115	Bailey Rock Daybeacon 2	55 15 26 N 131 36 03 W				TR on spindle.	
		*					52/02
22120	BLANK ISLAND LIGHT	55 15 59 N 131 38 23 W	Fl W 2.5s	37	6	NR on skeleton tower.	Obscured from 042° to 197.5°.
		*					52/02
22125	WALDEN ROCK LIGHT 6	55 16 16 N 131 36 44 W	Fl R 6s	20	4	TR on pile.	
		*					52/02
<b>Tongass Narrows</b>							
22130	- West Channel Lighted Buoy 2	55 18 01 N 131 36 21 W	Fl R 2.5s	3		Red.	
		*					52/02
22135	- WEST CHANNEL LIGHT 4	55 19 08 N 131 38 35 W	Fl R 4s	18	5	TR on skeleton tower.	Obscured from 126° to 315°.
		*					52/02
22140	- West Channel Lighted Buoy 5	55 19 09 N 131 38 53 W	Fl G 4s	3		Green.	
		*					52/02
22142	Temp Buoy A	55 19 22 N 131 36 41 W				White with orange bands labeled "7 KTS".	
		*					52/02
22145	- East Channel Entrance Buoy 2	55 18 34 N 131 35 15 W				Red nun.	
		*					52/02
22150	California Rock Lighted Buoy 3	55 18 54 N 131 36 11 W	Fl G 4s	4		Green.	
		*					52/02
22155	Idaho Rock Lighted Buoy 4	55 19 01 N 131 36 07 W	Fl R 4s	4		Red.	
		*					52/02
22156	Temp Buoy B	55 19 31 N 131 39 13 W				White with orange bands labeled "7 KTS".	
		*					52/02
22160	STANDARD OIL COMPANY PIER LIGHTS (2)		F R				Private aids.
		*					52/02

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
22165	THOMAS BASIN ENTRANCE LIGHT 2	55 20 18 N 131 38 33 W	Fl R 2.5s	28	3	TR on steel tower.	
		*					52/02
22175	- East Channel Lighted Buoy 4A	55 20 22 N 131 39 00 W	Fl R 4s		4	Red.	Marks 4 fathom shoal.
		*					52/02
22190	Pennock Island Reef Lighted Buoy PR	55 20 18 N 131 40 05 W	Fl (2+1) G 6s		3	Green and red bands.	
		*					52/02
22195	- Wreck Lighted Buoy WR6	55 20 42 N 131 40 20 W	Q R		3	Red.	Marks sunken barge.
		*	*				*
							52/02
<b>Bar Harbor</b>							
22200	- SOUTH ENTRANCE LIGHT 2S	55 20 52 N 131 40 42 W	Fl R 4s	11	4	TR on skeleton tower on concrete base.	
		*					52/02
22205	- South Entrance Daybeacon 3S	55 20 54 N 131 40 45 W				SG on skeleton tower on concrete base.	
		*					52/02
22215	- Entrance Daybeacon 3	55 20 00 N 131 41 07 W				SG on skeleton tower.	
		*					52/02
22230	- Buoy 9	55 21 51 N 131 43 13 W				Green can.	
		*					52/02
22235	MARINE HIGHWAY WHARF LIGHTS (2)		Fl R 4s	13	3	On boxes on concrete wharf.	Private aids.
		*					52/02
22240	- Lighted Buoy 10	55 22 21 N 131 43 36 W	Fl R 2.5s		4	Red.	
		*					52/02
22245	LEWIS REEF LIGHT 11	55 22 28 N 131 44 19 W	Fl G 2.5s	15	5	SG on concrete pyramid.	
		*					52/02
22250	Peninsula Point Reef Buoy 2	55 23 03 N 131 44 28 W				Red nun.	
		*					52/02
22255	CHANNEL ISLAND LIGHT 14	55 23 41 N 131 45 53 W	Fl R 4s	24	5	TR on skeleton tower on concrete base.	Obscured from 238° to 268°.
		*					52/02

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
22260	Ohio Rock Lighted Buoy OR	55 23 47 N 131 46 20 W	Fl (2+1) R 6s		4	Red and green bands.	
		*					52/02
22265	REFUGE COVE ENTRANCE LIGHT 2	55 24 03 N 131 44 59 W	Fl R 6s	15	4	TR on skeleton tower.	
		*					52/02
22270	Refuge Cove Daybeacon 3	55 24 07 N 131 45 02 W				SG on pile.	
		*					52/02
22275	Refuge Cove Daybeacon 5	55 24 15 N 131 44 50 W				SG on spindle.	
		*					52/02
22280	ROSA REEF LIGHT 15	55 24 48 N 131 48 09 W	Fl G 6s	24	6	SG on caisson.	
		*					52/02
22285	POND REEF LIGHT 16	55 26 14 N 131 48 54 W	Fl R 2.5s	13	4	TR on skeleton tower.	
		*					52/02
22290	Vallenar Point Buoy 17	55 25 49 N 131 50 28 W				Green can.	
		*					52/02
22295	VALLENAR ROCK LIGHT	55 25 52 N 131 51 46 W	Fl W 2.5s	18	6	NR on spindle.	
		*					52/02
22300	GUARD ISLANDS LIGHT	55 26 45 N 131 52 52 W	Fl W 10s	74	17	White square tower on rectangular building.	Emergency light (Fl W 10s) of reduced intensity when main light is extinguished.
		*	*				52/02
22310	Clover Passage Daybeacon CP	55 28 34 N 131 47 58 W				TR on pile.	
		*					52/02
22315	Knudson Cove Daybeacon	55 28 21 N 131 47 48 W				NR on pile.	
		*					52/02
22320	Knudson Cove Floating Dock Daybeacon	55 28 24 N 131 47 42 W				SG on breakwater.	Private aid.
		*					52/02
22325	Hump Island Daybeacon	55 31 03 N 131 45 21 W				NR on skeleton tower.	
		*					52/02

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
22327	BEHM CANAL RANGE FRONT LIGHT	55 32 10 N 131 49 57 W	Fl W 2.5s	30	7	KRW and NR on skeleton tower.	
		*					52/02
22328	Behm Canal Range Rear Daybeacon 1,600 yards, 217° from front light.	55 31 31 N 131 50 38 W		60		KRW on skeleton tower.	
		*					52/02
22330	GRANT ISLAND LIGHT	55 33 16 N 131 43 44 W	Fl W 6s	18	7	NR on skeleton tower.	
		*					52/02
22335	HELM BAY LIGHT	55 34 50 N 131 55 43 W	Fl W 4s	14	7	NR on skeleton tower.	
		*					52/02
22337	POINT FRANCIS LIGHT	55 39 49 N 131 49 31 W	Fl W 2.5s	32	7	NR on skeleton tower.	
		*					52/02
22340	BUSHY POINT LIGHT	55 43 52 N 131 43 56 W	Fl W 4s	18	6	NR on skeleton tower.	
		*					52/02
22345	BLUFF POINT LIGHT	55 53 03 N 131 44 46 W	Fl W 6s	12	6	NR on skeleton tower.	
		*					52/02
22350	SNIPE POINT LIGHT	55 55 32 N 131 36 54 W	Fl W 2.5s	18	5	NR on skeleton tower.	Higher intensity down Behm Canal and Hassler Pass.
		*					52/02
22365	MOIRA ROCK LIGHT	55 04 58 N 131 59 54 W	Fl W 4s	40	5	NR on skeleton tower.	
		*					52/02
22370	SKIN ISLAND LIGHT	55 18 05 N 132 04 22 W	Fl W 4s	33	6	NR on skeleton tower.	Obscured from 006° to 152°.
		*					52/02
22375	HIGH ISLAND LIGHT	55 24 05 N 132 09 54 W	Fl W 6s	40	6	NR on skeleton tower.	Obscured from 330° to 132°.
		*					52/02
	<b>Kasaan Bay</b>						
22380	SKOWL POINT LIGHT	55 25 39 N 132 16 11 W	Fl W 4s	15	5	NR on skeleton tower.	
		*					52/02

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
22385	Kasaan Log Boom Buoys (3)	55 29 29 N 132 21 36 W				White and orange buoys worded DANGER LOG BOOM.	Private aids.  52/02
*							
*28677	- Lighted Buoy B		Fl Y 2.5s			Yellow.	 52/02
*28678	- Lighted Buoy C		Fl Y 4s			Yellow.	 52/02
*28679	- Lighted Buoy D		Fl Y 2.5s			Yellow.	 52/02
29750	Ninini Point Lighted Buoy 2 Marks shoal off Ninini Point.	21 57 11 N 159 20 07 W	Fl R 4s		4	Red.	 52/02
*							
*29783	- Buoy 4					Red nun.	 52/02
*29784	- Buoy 5					Green can.	 52/02
29785	- Bouy 6					Red nun.	 52/02
*							
29790	- Lighted Buoy 7		Fl G 2.5s		3	Green.	 52/02
*							
<b>*Add Heading: *Nawiliwili Small Boat Harbor</b>							
*29793	- Buoy 9					Green can.	 52/02
Nawiliwili Harbor							
29795	- Buoy 11					Green can.	 52/02
*							

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>R. E. Ginna Nuclear Security Zone</b>							
Buoys maintained from Apr. 15 to Nov. 15.							
2271	- No Entry Buoy A	43 16 57 N 77 18 54 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.  * 52/02

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
2271.1	- No Entry Buoy B	43 17 08 N 77 18 54 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.  * 52/02
2271.2	- No Entry Buoy C	43 17 18 N 77 18 54 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.  * 52/02
2271.3	- No Entry Buoy D	43 17 18 N 77 18 42 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.  * 52/02
2271.4	- No Entry Buoy E	43 17 18 N 77 18 30 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.  * 52/02
2271.5	- No Entry Buoy F	43 17 18 N 77 18 18 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.  * 52/02
2271.6	- No Entry Buoy G	43 17 08 N 77 18 18 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.  * 52/02
2271.7	- No Entry Buoy H	43 16 57 N 77 18 18 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.  * 52/02
2271.8	- No Entry Buoy I	43 16 47 N 77 18 18 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.  * 52/02
14911	- Buoy 7					Green can.	
		*	*	*	*		* 52/02
14912	- Buoy 9					Green can.	
		*	*	*	*		* 52/02

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
14912.5	- Lighted Buoy 12						Remove from list.
							*
							52/02
14913	- Buoy 10				Red nun.		
	*	*	*			*	
						*	52/02
14914	- Buoy 11				Green can.		
	*	*	*			*	
						*	52/02
14915	- Buoy 12				Red nun.		
	*	*	*			*	
						*	52/02
14916	- Buoy 14				Red nun.		
	*	*	*			*	
						*	52/02
*14917	- Buoy 15				Green can.		
							52/02
*14918	- Buoy 16				Red nun.		
							52/02
*14919	- Buoy 17				Green can.		
							52/02
							52/02
*14921	- Buoy 19				Green can.		
							52/02
*14922	- Buoy 20				Red nun.		
							52/02
*14923	- Buoy 21				Green can.		
							52/02
							52/02
<b>*Add Heading:</b>							
<b>*Keweenaw Waterway</b>							
*14926	- Southwest Arm Obstruction Buoy 2				Red nun.		
							52/02
<b>*Delete Heading:</b>							
<b>*Keweenaw Waterway</b>							
<i>Lighted buoys maintained from May 14 to Nov. 14.</i>							
14935	- Buoy 30 Marks west side of shoal.				Red nun.		
							52/02

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>Portage Lake</b>							
18415	- NORTH PIERHEAD LIGHT	44 21 36 N 86 16 06 W	Fl G 4s	37 11	5 20	White cylindrical tower with green band.	HORN: 1 blast ev 15s (2s bl). Operates from Apr. 1 to Nov. 1. * 52/02
<b>Great Lakes Marina Entrance</b>							
*Buoys maintained from Apr. 15 to Dec. 12.							
18785	- LIGHT 1	43 13 18 N 86 17 42 W	Q G		SG on pile.		Private aid. * 52/02
18790	- LIGHT 2		Q R		TR on pile.		Private aid. * 52/02
18795	- LIGHT 3		Fl G 2.5s		SG on pile.		Private aid. * 52/02
18800	- LIGHT 4		Fl R 2.5s		TR on pile.		Private aid. * 52/02
18805	- LIGHT 5		Fl G 2.5s		SG on pile.		Private aid. * 52/02
18810	- LIGHT 6		Fl R 2.5s		TR on pile.		Private aid. * 52/02
19040	SPRING LAKE OBSTUCTION LIGHT	43 04 38 N 86 12 50 W	Fl W 2.5s	15 5	3	3 NW on pile worded DANGER.	52/02
19335	MIDDLE GROUND LIGHT 3 Marks southeast side of shoal.		Fl G 4s	32 10	4	SG on column on cylindrical base. 18	52/02
19340	DRAKE POINT LIGHT 4 Marks north side of shoal.		Fl R 4s	32 10	4	TR on column on cylindrical base. 18	52/02
<b>Palisades Nuclear Security Zone</b>							
Buoys maintained from Apr. 15 to Nov. 1.							
19511	- No Entry Buoy A	42 19 12 N 86 19 21 W			White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.	* 52/02

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
19511.1	- No Entry Buoy B	42 19 17 N 86 19 37 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.  * 52/02
19511.2	- No Entry Buoy C	42 19 22 N 86 19 54 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.  * 52/02
19511.3	- No Entry Buoy D	42 19 33 N 86 19 48 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.  * 52/02
19511.4	- No Entry Buoy E	42 19 44 N 86 19 42 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.  * 52/02
19511.5	- No Entry Buoy F	42 19 35 N 86 19 07 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.  * 52/02
19511.6	- No Entry Buoy G	42 19 35 N 86 19 07 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.  * 52/02
<b>Donald S. Cook Nuclear Security Zone</b>							
Buoys maintained from Apr. 1 to Nov. 15							
19534	- No Entry Buoy A	41 58 32 N 86 34 19 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.  * 52/02
19534.1	- No Entry Buoy B	41 58 35 N 86 34 35 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.  * 52/02

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
19534.2	- No Entry Buoy C	41 58 40 N 86 34 34 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.  * 52/02
19534.3	- No Entry Buoy D	41 58 46 N 86 34 32 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.  * 52/02
19534.4	- No Entry Buoy E	41 58 43 N 86 34 15 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.  * 52/02
<b>Little Bay De Noc</b>							
21730	Saunders Point Buoy 13	45 50 54 N 86 59 42 W				Green can.	 * 52/02
21740	Saunders Point Shoal Inside Buoy 15 Marks north side of shoal.	45 51 06 N 86 59 54 W				Green can.	 * 52/02
21745	Kipling Channel Buoy 8	45 51 51 N 86 59 59 W				Red nun.	 * 52/02

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## SECTION II

CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2002 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
734	-Jetty, head. G 2071.4						Remove from list.
						*	52/02
7092	-Dotterell Point Range, front. K 3566.1	41° 03.7' S 146° 47.5' E	F.Bu.	17 5	3	White round tower; 19.	Visible 339°-050°.
		*				*	52/02
7104	-She-Oak Point Middle Channel Range, front, and Sea Reach Range, rear.	41° 04.8' S 146° 48.3' E	F.W.R.	35 11	9	White round stone tower.	R. 007°-137°, W. elsewhere.
		*			*	*	52/02
7108	-Middle Channel Range, rear, 365 meters 127°41' from front.	41° 04.8' S 146° 48.5' E	F.R.	55 17	9	White round stone tower, red stripe.	Visible 347°-180°.
		*	*			*	52/02
7140	-George Town Range, front. K 3577	41° 07.0' S 146° 49.5' E	F.R. (neon)	26 8		Beacon, orange triangular daymark, point up; 30.	
		*	*	*	*	*	52/02
7157.7	-Common User Berth No. "6", NW. corner. K 3585.3	41° 08.4' S 146° 51.1' E	F.R.				
		*	*			*	52/02
7159.1	-Wolverine Shoal. K 2331.8	41° 08.4' S 146° 52.7' E	Q.W.	7 2	4	N. CARDINAL BY, beacon, topmark.	
		*	*		*	*	52/02
7604	-Mordialloc. K 2331.8	38° 00.7' S 145° 05.1' E	Fl.G. period 5s	23 7	2		Visible 004°-034°.
		*	*			*	52/02

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CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2001 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*13002	Nisinoomote Ko. F 4798.8	30° 44.6' N 130° 58.9' E	Fl.(2)R. period 6s	59 18	10	Red tower; 49.	
							52/02
16440	-E. breakwater, head. F 4452	37° 53.2' N 128° 50.0' E	Fl.R. period 4s	46 14	6	Red round concrete tower; 32.	
		*	*	*	*	*	52/02
*16779	Taehang-ni. F 4352.3	35° 00.7' N 128° 49.5' E	Fl.G. period 5s	49 15	5	White round concrete tower; 34.	
							52/02
*16876.9	Daepo Hang breakwater. F 4331.55	34° 43.0' N 128° 35.1' E	Fl.R. period 4s	36 11	5	Red round concrete tower; 27.	
							52/02

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## SECTION II

### CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2001 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*16880.5 <i>F 4330.1</i>	Songpo.	34° 55.3' N 128° 31.4' E	Fl.R. period 6s	33 10	5	Red round concrete tower; 26.	52/02
*16902 <i>F 4331.25</i>	Changjakji Hang breakwater.	34° 46.3' N 128° 28.3' E	Fl.R. period 4s	39 12	5	Red round concrete tower; 26.	52/02
16920 <i>F 4323.6</i>	Tongyeong Hang, No. "7".	34° 50.2' N 128° 25.0' E	Fl.G. period 5s	31 9	8	PORT (B) G, tower, topmark; 52.	*
-	RACON	C(- • -)			2		52/02
	*	*	*	*	*		
16924 <i>F 4323.8</i>	-No. "8".	34° 50.2' N 128° 25.0' E	Fl.R. period 5s	33 10	8	STARBOARD (B) R, tower, topmark; 52.	
-	RACON	K(- • -)			10		
	*	*	*	*	*		52/02
17372 <i>F 4274.65</i>	Hwa Do.	33° 43.9' N 126° 21.6' E	Fl.W. period 5s	302 92	17	White square concrete tower; 23.	
-	RACON	K(- • -)			10		
	*	*	*	*	*		
*17621 <i>F 4216.9</i>	Pulmugi-do.	34° 45.5' N 126° 13.4' E	Fl.W. period 5s	105 32	17	White concrete tower; 36.	52/02
*17840.8 <i>F 4154.25</i>	Mokkae-do.	36° 39.2' N 126° 07.2' E	Fl.(2)W. period 5s	56 17	8	ISOLATED DANGER BRB, beacon, topmark; 52.	52/02
*17863.2 <i>F 4330.4</i>	Jungnim Hang breakwater.	34° 50.5' N 128° 34.7' E	Fl.R. period 4s	36 11	5	Red octagonal concrete tower; 27.	52/02
17959	-Sorae Hang Sea Berth "A".					Remove from list.	
						*	52/02
21872 <i>F 1580</i>	Angsa Bank.					Remove from list.	
						*	52/02
25140 <i>F 2064</i>	Amurang, about 489 meters 270° from Controleur flagstaff.	1° 11.4' N 124° 34.0' E	Fl.W. period 3s	30 9	10	Wooden post; 20.	
	*	*	*	*	*		
26356 <i>K 3458.4</i>	-Lark patch.	9° 31.5' S 147° 08.5' E	Fl.R. period 3s	16 5	3	White pile, red bands; 10.	
	*	*	*	*	*		
							52/02

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## SECTION II

### CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2001 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
26360	-Basilisk Passage Range, K 3459 front.	9° 29.9' S 147° 11.1' E	Oc.W. period 4s	125 38	18	Beacon, white square daymark, black stripe.	Visible 356°-108°, intensified 029°-089°. F.R. on mast 2.7 miles NNW.
	*						52/02
26364	--Rear, 445 meters 054° from K 3459.1 front.	9° 29.8' S 147° 11.3' E	Oc.W. period 6s lt. 4.5s, ec. 1.5s	294 90	10	White square concrete tower, daymark, black stripe; 22.	Visible 309°-116°, intensified 309°-101°.
	*				*		52/02
27672	Azhikal. F 0671	11° 56.6' N 75° 18.1' E	Fl.(2)W. period 8s	89 27	10		Storm signal.
					*		52/02
28996	-Outer Bar Reach Range, front D 7616 Beacon "B".	29° 51.1' N 48° 45.1' E	Q.W.	18 5	6	Beacon, white triangular daymark, point up.	Reported destroyed (1993).
	*				*		*
29000	--Rear Beacon "A" 1463 meters 121° from front. D 7616.1	29° 50.7' N 48° 45.9' E	F.W.	55 17	13	Beacon, black triangular daymark, point up.	Intensified 118°-124°. Reported destroyed (1993).
	*				*		*
29012	--Turning beacon. D 7615	29° 52.1' N 48° 43.6' E	I.Q.Y. period 8s	18 5	4	White column, black bands, on piles.	Reported destroyed (1993).
	*				*		52/02
29024	--Western Channel Range, front. D 7622	29° 53.0' N 48° 42.0' E	Q.W.	18 5	6	Beacon, white triangular daymark, point up.	Visible 303°-309°.
					*		52/02
29028	--Rear, 549 meters 306° from front. D 7622.1	29° 53.9' N 48° 41.2' E	Oc.W. period 8s lt. 6s, ec. 2s	25 8	10	Beacon, white round daymark.	Visible 303°-309°.
	*				*		52/02
29032	Outer Bar Reach Range, front D 7614 Beacon "C".	29° 52.9' N 48° 42.0' E	Q.W.	18 5	6	Pile beacon, white triangular daymark, point up.	Reported destroyed and replaced by buoy showing Q.W.
	*				*		52/02
29036	-Beacon "D", rear, about 1512 meters 304° from front. D 7614.1	29° 53.3' N 48° 41.3' E	Oc.W. period 8s lt. 5s, ec. 3s	55 17	9	Pile beacon, black triangular daymark, point up.	
*	*				*		52/02
29044	-Rooka Inner Beacon. D 7620	29° 54.2' N 48° 38.3' E	Fl.W. period 4s	18 5	11	Black framework tower on pile, black triangular daymark, point down.	Visible 282°-287°.
	*				*		52/02
29048	-Outer Bar Reach Range, front D 7617 Beacon "E".	29° 54.6' N 48° 38.6' E	Q.W.	18 5	6	Pile structure beacon, white triangular daymark, point up.	
	*				*		52/02

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## SECTION II

### CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2001 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
29052 <i>D 7617.1</i>	-Rear Beacon "F", about 1509 meters 301° from front.	29° 55.0' N 48° 37.8' E	Oc.W. period 8s	55 17	8	Pile structure, white round daymark.	Visible 028°-304°.
			Fl.(2)G. period 11s			Same structure, at base.	*
							52/02
29346 <i>D 7457.6</i>	Fasht Buldani "FBN".	28° 16.9' N 49° 05.0' E	Fl.W. period 10s				Radar reflector.
	RACON		Q(- - -)				(3 & 10cm)
		*	*				*
							52/02
29796.7 <i>D 7393.92</i>	-Range, front.	25° 55.8' N 51° 36.0' E	Q.W.	36 11	8	Orange beacon, triangular daymark, point up.	
				*			52/02
29796.71 <i>D 7393.93</i>	-Rear, 900 meters 278° from front.	25° 55.8' N 51° 35.5' E	Q.W.	72 22	8	Orange beacon, triangular daymark point down.	R. lights on flare towers 60 meters 0.6 mile NE., 72 meters 0.9 mile SW., 136 meters 4 miles SW. and 169 meters 0.3 miles NE.
				*			*
							52/02

### CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
14520 <i>E 3808</i>	--E. mole, head.	38° 57.4' N 20° 45.3' E	Fl.G. period 2s	20 6	4	Metal framework on white round hut, green band; 16.	
			*				52/02
14524 <i>E 3811</i>	-Akra Laskara.	38° 57.3' N 20° 49.3' E	Fl.(2)R. period 6s fl. 0.4s, ec. 1.4s fl. 0.4s, ec. 3.8s	39 12	5	Metal framework tower, square hut, red band.	Visible 246°-103°.
			*		*		52/02
14540 <i>E 3817</i>	-Ormos Ampilokhias, Ayios Yeoryios, on point.	38° 53.6' N 21° 09.0' E	Fl.G. period 3s fl. 0.4s, ec. 2.6s	20 6	4	Metal framework tower with green band on white hut.	Visible 125°-333°.
			*		*		52/02
16556 <i>E 4447</i>	-Limin Volou, breakwater, head.	39° 21.0' N 22° 57.0' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	27 8	4	Metal framework on round hut, green band; 20.	
			*		*	*	52/02
16700 <i>E 4533</i>	Ormos Plati, NW. point.	40° 26.3' N 23° 59.7' E	Q.W.	72 22	4	Metal framework tower on round hut; 17.	
			*		*	*	52/02

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## SECTION II

### CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
16900 <i>E 4577</i>	-Ormos Kondias, on Akra Lena.	39° 50.8' N 25° 09.8' E	Fl.W. period 3.3s fl. 0.4s, ec. 2.9s	26 8	5	White round hut with metal framework tower; 16.	Visible 040°-243°.
		*	*	*	*	*	52/02
19756 <i>E 4607</i>	-Mitilini, Limin Alri Kastro on promontory.	39° 06.8' N 26° 34.1' E	Fl.(3)W. period 14s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 9.6s	69 21	6	Metal framework on dwelling; 20.	Visible 122°-027°.
		*	*	*	*	*	52/02
19916 <i>E 4649</i>	-Mesta, on Akra Oura.	38° 18.0' N 25° 55.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	43 13	7	Metal framework on square hut;	Visible 073°-322°.
		*	*	*	*	*	52/02
-Nisoi Oinousai:							
19936 <i>E 4652</i>	--Prasso, summit.	38° 31.5' N 26° 11.0' E	Fl.(2)W.R. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	55 17	W. 6 R. 4	White hut; 13.	W. 323°-301°, R.-323°.
		*	*	*	*	*	52/02
20036 <i>E 4669</i>	-Akra Gatos.	37° 43.4' N 27° 04.1' E	Fl.(3)W. period 14s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 10.7s	52 16	7	Metal framework on round hut;	Visible 180°-333°.
		*	*	*	*	*	52/02
20040 <i>E 4670</i>	-Akra Fonias.	37° 41.3' N 26° 57.2' E	Fl.W. period 4s fl. 0.4s, ec. 3.6s	49 15	5	White square hut with 2 columns; 20.	
		*	*	*	*	*	52/02
20044 <i>E 4674</i>	--S. breakwater, head.	37° 41.3' N 26° 57.0' E	Fl.R. period 2s fl. 0.3s, ec. 1.7s	23 7	3	Metal framework; 13.	
		*	*	*	*	*	52/02
20048 <i>E 4676</i>	--Inner Harbor, mole, head.	37° 41.4' N 26° 56.8' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	20 6	3	Concrete hexagonal hut, green band; 13.	
		*	*	*	*	*	52/02
20056 <i>E 4689</i>	-Ormos Fournoi, Akra Sbistokamiyos.	37° 34.5' N 26° 28.3' E	Fl.W.R. period 3.5s fl. 0.5s, ec. 3s	59 18	W. 4 R. 3	Metal framework on round hut;	R. 034°-138°, W.-172°, R.-243°, obsc.-034°.
		*	*	*	*	*	52/02
20070 <i>E 4695</i>	-Limin Kirikou, mole, head.	37° 36.9' N 26° 17.8' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s	29 9	4	White round hut, metal framework, red band; 13.	
		*	*	*	*	*	52/02

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## SECTION II

### CORRECTIONS TO PUB 115, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
5744	-Erstad, Sokkelvtfjord. <i>L 0598</i>						Remove from list.
9316	Arnlangoy. <i>L 2031</i>	65° 28.5' N 12° 03.4' E	Oc.(3)W.R.G. period 12s	30 9	W. 10 R. 8 G. 7	White lantern, concrete base; 16.	* R. 240°30'-249°30', G.-029°, R.-062°30', W.-141°30', G.- 180°.
9634	-Heroyskjaeret. <i>L 2172</i>	66° 00.4' N 12° 21.7' E	Oc.R.G. period 6s	18 5	R. 3 G. 1	Pedestal on concrete column.	* R. 058°30'-305°30', G.-058°30'.
12456	-Anda. <i>L 3222</i>	69° 03.9' N 15° 10.5' E	Oc.W.R.G. period 6s	164 50	W. 12 R. 10 G. 9	White concrete tower, white wooden hut; 52.	* G. 038°-043°, R.-047°, W.- 126°30', G.-153°30', W.- 162°30', R.-180°, W.-207°30', G.-220°, W.-235°, R.-242°, W.-312°, R.-340°, G.-348°.
	-RACON		T(-) period 30s		18		
		*		*	*		*
*13006	-Oldfinnvikskjeret. <i>L 3480</i>	69° 04.2' N 16° 46.8' E	F.I.G. period 3s				52/02

### CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
10336	Skutskar, W. breakwater, head. <i>C 6214</i>						Remove from list.
*10337	"E1" Range, front. <i>C 6214.7</i>	60° 38.8' N 17° 23.6' E	Q.R.				* 52/02
*10337.1	-"E2", rear, 184° 30' from front. <i>C 6214.71</i>	60° 38.6' N 17° 23.6' E	Oc.R. period 6s				52/02
*10338	"E3", front. <i>C 6214.9</i>	60° 38.8' N 17° 24.3' E	F.G.				52/02
*10338.1	-"E4", rear, 094° from front. <i>C 6214.91</i>	60° 38.8' N 17° 24.5' E	F.G.				52/02
10408	-Fredriksskans, S. end of breakwater. <i>C 6200</i>						Remove from list.
							*
							52/02

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## SECTION II

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 52/02

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

NIMA Reference No.	Ed.	Notice to Mariners No.	NIMA Reference No.	Ed.	Notice to Mariners No.	NIMA Reference No.	Ed.	Notice to Mariners No.
<b>NIMA HYDRO CATALOG CATP2V01U</b> Region 1	2000	34*,35,37,38,40,41, 42,43,45,46,47,50, 51/00;1,2,3,4,5,6,7, 8,9,10,11,12,13,14, 16,17,18,19,20,21, 22,23,24,25,26,28, 29,30,33,34,35,36, 37,39,40,41,42,43, 44,45,46,47,48,49, 50,52/01;1,2,3,5,6,7, 8,9,10,12,13,15,18, 19,20,21,22,23,26, 28,30,31,34,35,36, 37,38,39,41,42,43, 45,46,47,48,49, 52/02	LLPUB116	2002	18*,20,21,22,24,25, 26,27,29,31,34,37, 41,42,44,45,46,47, 48,49,50,52/02	SDPUB175	2001	41*,43,45,51/01;8, 11,12,13,14,16,17, 21,27,37,41,49/02
Region 2	2000	34*,40,43/00;4,23, 30,35,39,42,45, 46/01;5,11,13,15,19, 22,24,26,28,41, 48/02	SDPUB120	2001	12*,18,48,49,51/01; 8,13,14,21,22,24,29, 33,35,37,42,43,44, 45,47/02	SDPUB180	2002	32*,33,42,47,48, 50/02
Region 3	2000	34*,44,48/00;21, 40/01;17,19,40/02	SDPUB123	2001	45*,47,48/01;1,14, 17,18,19/02	SDPUB181	2002	38*,39/02
Region 4	2000	34/00*:3/01;13, 20/02	SDPUB124	2001	18*,44,45,47,48,49, 52/01;17,19,20,21, 29,30,31,34,46, 50/02	SDPUB182	2001	8*,10,12,41/02
Region 5	2000	34*,37,40,42,47/00; 2,3,4,17,20,21,29, 40,41,45/01;6,8,13, 14,19,22,29,44,46, 48,50/02	SDPUB125	2000	6*,9,10,20,21,40/00; 36,37,45,46/01;14, 17,33,35,38,40/02	SDPUB183	2001	27/01*:13,15,16/02
Region 6	2000	34*,35,45,52/00;2, 14,29,36,41,46, 51/01;12,14,15,17, 19,26/02	SDPUB126	2002	39*,41,42,43,44,45, 48/02	SDPUB191	2000	5*,7,8,9,10,11,12, 13,14,15,16,17,18, 19,20,22,23,27,28, 29,30,31,33,34,36, 44,45,47,48/01;10, 14,15,16,17,42, 50/02
Region 7	2000	34/00*:2,10,35, 41/01;18,25,46, 51/02	SDPUB127	2000	37*,38/00;18,33,40, 44,45,48,49,52/01;1, 11,13,17,18,27,33, 34,37,41,47,49, 51/02	SDPUB192	2000	14*,16,17,18,24,26, 31,36,38,39,46/00;4, 14,17,21,22,23,25, 26,28,30,31,32/01; 11,12,13,14,15,16, 22,23,27,36,37,42, 48,52/02
Region 8	2000	34/00*:1,38/02	SDPUB131	2000	13*,18,21,25,29,30, 33,37,51/00;4,15,19, 28,49,52/01;22,23, 24,25,26,27,32,33, 37,38,39,40,43, 44/02	SDPUB193	2000	27*,38,49/00;9,26, 27,31,32/01;14,15, 26,52/02
Region 9	2000	34/00*:23,41,48/01; 13,15,18,19,21,23, 44/02	SDPUB132	2000	39*,45/00;16,17,31, 35/01;1,12,21,25, 26/02	SDPUB194	2000	51/00*:9,11,24,26, 29,32,34,35/01;11, 14,18,19,20,22,23, 24,25,26,27,29,30, 33/02
Miscellaneous Charts and Publications	2000	34*,35,36,37,39,40, 44,45,46,47,49,50, 51,52,53/00;1,2,3,4, 5,6,7,8,9,11,12,14, 15,16,17,18,19,20, 21,22,23,26,27,28, 29,30,31,32,34,35, 36,37,38,39,40,41, 42,43,44,45,46,47, 48,49,50,51,52/01;1, 2,3,4,5,8,9,12,13,14, 16,17,18,19,20,22, 23,24,26,27,28,29, 30,31,32,33,34,35, 36,38,39,40,41,42, 44,45,46,47,48,49, 50,52/02	SDPUB140	2001	21*,48,49,51/01;8, 17,23,32,42,43,44, 46,47,48,50/02	SDPUB195	2002	33*,40,49,51,52/02
LLPUB110	2002	8*,12,13,14,15,16, 17,18,19,20,21,23, 24,26,27,29,30,31, 32,33,34,35,36,37, 38,39,40,41,42,43, 44,45,47,49,50/02	SDPUB141	2001	21*,38/01	SDPUB200	2002	38*,39,42/02
LLPUB111	2002	35*,36,37,38,39,40, 41,42,43,44,45,46, 47,48,50,51,52/02	SDPUB142	2000	49/00*:3,31,35/01; 1,15,43/02	USCG LIGHT LIST VOLUMES I - VII		
LLPUB112	2001	5*,7,8,9,10,11,12, 13,14,15,16,17,18, 19,20,21,22,23,24, 25,26,27,28,29,30, 31,32,33,34,35,36, 37,38,39,40,41,42, 43,44,45,46,47,48, 49,50,51,52/02	SDPUB143	2000	8*,10,19,29/00;16, 26/01;1,25/02	COMDTM165021	2002	30*,31,32,33,34,35, 36,37,39,40,41,42, 43,44,45,46,47,48, 49,50,51,52/02
LLPUB113	2002	45*,47,48,50,51, 52/02	SDPUB144	2000	13*,14,18,19,22,26, 32,37,38,46,47,51, 53/00;1,4,5,7,10,12, 28,29,35,52/01;14, 27/02	COMDTM165022	2002	16*,17,18,19,20,21, 22,23,25,26,27,28, 29,30,31,32,33,34, 35,36,37,40,41,42, 43,44,45,46,47,48, 49,50,51,52/02
LLPUB114	2002	13*,15,16,17,19,20, 21,22,23,24,31,32, 34,35,36,38,39,40, 41,43,45,46,47,48, 49,51/02	SDPUB145	2000	26*,28,32,33,38,45, 46,48,51/00;2,5,10, 27,28,29,31,38/01; 15,29/02	COMDTM165023	2002	35*,36,37,40,41,42, 43,44,45,46,47,48, 49,50,51/02
LLPUB115	2002	39*,40,41,44,45,50, 51,52/02	SDPUB146	2000	35/01*:21,22,23, 24/02	COMDTM165024	2002	30*,31,32,33,34,35, 36,37,40,41,42,43, 45,46,47,48,49,50, 51,52/02
LLPUB116	2002	8*,12,13,14,15,16, 17,18,19,20,21,23, 24,26,27,29,30,31, 32,33,34,35,36,37, 38,39,40,41,42,43, 44,45,47,49,50/02	SDPUB147	2001	48/00*:23,24/02	COMDTM165025	2002	16/02*
LLPUB117	2002	35*,36,37,38,39,40, 41,42,43,44,45,46, 47,48,50,51,52/02	SDPUB148	2001	6/01*:28,30,41,44, 46,47,48,52/02	COMDTM165026	2002	35*,36,40,41,42,43, 44,45,46,47,48,49, 50,51,52/02
LLPUB118	2002	8*,12,13,14,15,16, 17,18,19,20,21,23, 24,26,27,28,29,30, 31,32,33,34,35,36, 37,38,39,40,41,42, 43,44,45,46,47,48, 49,50,51,52/02	SDPUB149	2000	17*,19,31,42,44,45, 46,48,50/02	COMDTM165027	2002	16*,17,18,19,20,21, 22,23,25,27,29,30, 32,33,34,36,37,40, 43,44,46,47,48,50, 51,52/02
LLPUB119	2002	35*,36,37,38,39,40, 41,42,43,44,45,46, 47,48,50,51,52/02	SDPUB150	2000	31*,48/01;10,45, 46/02	FLEET GUIDES		
LLPUB120	2002	8*,12,13,14,15,16, 17,18,19,20,21,23, 24,26,27,29,30,31, 32,33,34,35,36,37, 38,39,40,41,42,43, 44,45,47,49,50/02	SDPUB151	2000	20*,27,29,33,34,35, 38,41,44,48/00;1,3, 4,6,7,11,12,13,21, 23,32,47/01;2,5,9, 13,14,20,22,27, 38/02	FGPUB940ATL	2001	N47/01*
LLPUB121	2002	35*,36,37,38,39,40, 41,42,43,44,45,46, 47,48,50,51,52/02	SDPUB152	2000	46/02	FGPUB941PAC	2001	N22/01*
LLPUB122	2001	5*,7,8,9,10,11,12, 13,14,15,16,17,18, 19,20,21,22,23,24, 25,26,27,28,29,30, 31,32,33,34,35,36, 37,38,39,40,41,42, 43,44,45,46,47,48, 49,50,51,52/02	SDPUB153	2000	48/01*:23,24/02	NOS MISCELLANEOUS PUBLICATIONS		
LLPUB123	2002	45*,47,48,50,51, 52/02	SDPUB154	2002	6/01*:28,30,41,44, 46,47,48,52/02	NOSBCATALOG1	2000	20/00*
LLPUB124	2002	13*,15,16,17,19,20, 21,22,23,24,31,32, 34,35,36,38,39,40, 41,43,45,46,47,48, 49,51/02	SDPUB155	2001	31*,48/01;10,45, 46/02	NOSBCATALOG2	2000	34/00*
LLPUB125	2002	39*,40,41,44,45,50, 51,52/02	SDPUB156	2000	50/00*:5,10,12,13, 15,17,20,24/01;	NOSBCATALOG3	2000	28/00*
LLPUB126	2002	8*,12,13,14,15,16, 17,18,19,20,21,23, 24,26,27,29,30,31, 32,33,34,35,36,37, 38,39,40,41,42,43, 44,45,47,49,50/02	SDPUB157	2000	46/02	NOSBCATALOG4	2000	34/00*
LLPUB127	2002	35*,36,37,38,39,40, 41,42,43,44,45,46, 47,48,50,51,52/02	SDPUB158	2000	42*,48/02	ALMANACS		
LLPUB128	2002	8*,12,13,14,15,16, 17,18,19,20,21,23, 24,26,27,29,30,31, 32,33,34,35,36,37, 38,39,40,41,42,43, 44,45,47,49,50/02	SDPUB159	2002	47*,48,49,52/02	AIRALMANAC301	2003	44/02*
LLPUB129	2002	8*,12,13,14,15,16, 17,18,19,20,21,23, 24,26,27,29,30,31, 32,33,34,35,36,37, 38,39,40,41,42,43, 44,45,47,49,50/02	SDPUB160	2002	23*,24,44,47,48/02	NAUTALMANAC03	2003	44/02*
LLPUB130	2002	8*,12,13,14,15,16, 17,18,19,20,21,23, 24,26,27,29,30,31, 32,33,34,35,36,37, 38,39,40,41,42,43, 44,45,47,49,50/02	SDPUB161	2002	51/01*			
LLPUB131	2002	8*,12,13,14,15,16, 17,18,19,20,21,23, 24,26,27,29,30,31, 32,33,34,35,36,37, 38,39,40,41,42,43, 44,45,47,49,50/02	SDPUB162	2002	18*,20,21,26,46, 51/02	COAST PILOT		
LLPUB132	2002	8*,12,13,14,15,16, 17,18,19,20,21,23, 24,26,27,29,30,31, 32,33,34,35,36,37, 38,39,40,41,42,43, 44,45,47,49,50/02	SDPUB163	2002	30/00*:31,35,36/01	NOSBCP1	32	37*,39,41,47,51/01; 1,5,7,13,18,33,37, 39,42,45,49,51/02
LLPUB133	2002	8*,12,13,14,15,16, 17,18,19,20,21,23, 24,26,27,29,30,31, 32,33,34,35,36,37, 38,39,40,41,42,43, 44,45,47,49,50/02	SDPUB164	2000	40*,47,48,52/01;5,9, 14,16,41/02	NOSBCP2	31	44*,47,51,52/01;5,7, 12,13,18,23,33,37, 39,42,45,48,51/02
LLPUB134	2002	8*,12,13,14,15,16, 17,18,19,20,21,23, 24,26,27,29,30,31, 32,33,34,35,36,37, 38,39,40,41,42,43, 44,45,47,49,50/02	SDPUB165	2001	1*,2,3,5,6,7,8,9,14, 15,16,17,18,19,20, 22,24/02	NOSBCP3	35	3*,5,7,12,15,17,18, 21,22,27,28,33,37, 42,45,49,51/02
LLPUB135	2002	8*,12,13,14,15,16, 17,18,19,20,21,23, 24,26,27,29,30,31, 32,33,34,35,36,37, 38,39,40,41,42,43, 44,45,47,49,50/02	SDPUB166	2000	50*,51/02	NOSBCP4	34	49*,51/02
LLPUB136	2002	8*,12,13,14,15,16, 17,18,19,20,21,23, 24,26,27,29,30,31, 32,33,34,35,36,37, 38,39,40,41,42,43, 44,45,47,49,50/02	SDPUB167	2001	7*,19,37,45,51, 52/01;1,5,14,19,22, 28,33,37,38,48/02			
LLPUB137	2002	8*,12,13,14,15,16, 17,18,19,20,21,23, 24,26,27,29,30,31, 32,33,34,35,36,37, 38,39,40,41,42,43, 44,45,47,49,50/02	SDPUB168	2000	51/01*			
LLPUB138	2002	8*,12,13,14,15,16, 17,18,19,20,21,23, 24,26,27,29,30,31, 32,33,34,35,36,37, 38,39,40,41,42,43, 44,45,47,49,50/02	SDPUB169	2002	7*,19,37,45,51, 52/01;1,5,14,19,22, 28,33,37,38,48/02			
LLPUB139	2002	8*,12,13,14,15,16, 17,18,19,20,21,23, 24,26,27,29,30,31, 32,33,34,35,36,37, 38,39,40,41,42,43, 44,45,47,49,50/02	SDPUB170	2001	1*,2,3,5,6,7,8,9,14, 15,16,17,18,19,20, 22,24/02			
LLPUB140	2002	8*,12,13,14,15,16, 17,18,19,20,21,23, 24,26,27,29,30,31, 32,33,34,35,36,37, 38,39,40,41,42,43, 44,45,47,49,50/02	SDPUB171	2001	7*,19,37,45,51, 52/01;1,5,14,19,22, 28,33,37,38,48/02			
LLPUB141	2002	8*,12,13,14,15,16, 17,18,19,20,21,23, 24,26,27,29,30,31, 32,33,34,35,36,37, 38,39,40,41,42,43, 44,45,47,49,50/02	SDPUB172	2001	1*,2,3,5,6,7,8,9,14, 15,16,17,18,19,20, 22,24/02			
LLPUB142	2002	8*,12,13,14,15,16, 17,18,19,20,21,23, 24,26,27,29,30,31, 32,33,34,35,36,37, 38,39,40,41,42,43, 44,45,47,49,50/02	SDPUB173	2002	50*,51/02			
LLPUB143	2002	8*,12,13,14,15,16, 17,18,19,20,21,23, 24,26,27,29,30,31, 32,33,34,35,36,37, 38,39,40,41,42,43, 44,45,47,49,50/02	SDPUB174	2000	7*,19,37,45,51, 52/01;1,5,14,19,22, 28,33,37,38,48/02			

## SECTION II

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 52/02**

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

NIMA Reference No.	Ed.	Notice to Mariners No.		
NOSPBCP5	29	49*,51/01;1,6,12,13, 15,16,17,20,21,33, 34,37,39,42,47,49, 51/02		
NOSPBCP6	32	19*,20,21,33,39,45, 47,49,51/02		
NOSPBCP7	33	46*,47/01;1,5,12,15, 19,20,21,22,23,25, 33,34,37,39,51, 52/02		
NOSPBCP8	24	3*,5,16,17,19,23,33, 37,40,47,50,51/02		
NOSPBCP9	20	12*,20,23,33,37,45, 50,51/02		
<b>RADIO NAVIGATIONAL AIDS</b>				
RAPUB117	2002	50/02*		
<b>AMERICAN PRACTICAL NAVIGATOR</b>				
NVPUB9	2002	36/02*		
<b>INTERNATIONAL CODE OF SIGNALS</b>				
NVPUB102	1999	46/99*;52/01		
<b>WORLD PORT INDEX</b>				
NVPUB150	2000	50/00*,14,15,16,20, 21,41,42,43,44,45, 46,47,48,49,51, 52/01;1,2,5,6,10,11, 12,16,19,21,22,27, 31,32,33,36,39,40, 42,46,49/02		
<b>DISTANCES BETWEEN PORTS</b>				
NVPUB151	2001	4/02*		
<b>RADAR NAVIGATION AND MANEUVERING BOARD MANUAL</b>				
CDPUBNV1310	2001	51/01*		
<b>SIGHT REDUCTION TABLES (MARINE)</b>				
SRPUB229V1	1970	11/71*		
SRPUB229V2	1970	11/71*		
SRPUB229V3	1970	7/71*		
SRPUB229V4	1970	3/71*		
SRPUB229V5	1970	3/71*		
SRPUB229V6	1970	23/70*		
<b>SIGHT REDUCTION TABLES (AIR)</b>				
SRPUB249V1	2000	4/01*		
SRPUB249V2	1952	46/52*		
SRPUB249V3	1952	46/52*		
<b>CHART NO. 1</b>				
WOBZC1	1997	18/98*		
<b>CHART NO. 4</b>				
WOBZC4	1988	N20/89*		
<b>ATLAS OF PILOT CHARTS</b>				
NVPUB107	1998	30/99*		
NVPUB109	2001	49/02*		
<b>USCG NAVIGATION RULES</b>				
COMDTM166722D	1999	44/99*;52/00		
<b>NOS TIDE TABLES</b>				
NOSPBTTCWPACIN2	2002	N52/01*		
NOSPBTTECSTNSA2	2002	N52/01*		
NOSPBTTEURAFR2	2002	N52/01*		
NOSPBTWCSTNSA2	2002	N52/01*		
<b>TIDAL CURRENT TABLES</b>				
NOSPBTCTATCSTN2	2002	N52/01*;N9/02		
NOSPBTCTPACAS2	2002	N52/01*		

## SECTION III

NM 52/02

### BROADCAST WARNINGS

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

#### SUMMARY OF NAVIGATIONAL WARNINGS IN FORCE 121200Z DECEMBER 2002

##### NAVAREA IV

###### 2001 series

393/01(GEN). CANADA. 96 HOURS NOTIFICATION PRIOR TO ENTERING CANADIAN WATERS.

1. EFFECTIVE 110001Z OCT, ALL VESSELS THAT ARE:
    - A. OF 500 TONS GROSS TONNAGE OR MORE.
    - B. ENGAGED IN TOWING OR PUSHING A VESSEL, WHERE THE COMBINED TONNAGE OF THE SHIP AND THE VESSEL BEING TOWED OR PUSHED IS 500 TONS GROSS TONNAGE OR MORE.
    - C. CARRYING A POLLUTANT OR DANGEROUS GOODS OR ENGAGED IN TOWING OR PUSHING A VESSEL CARRYING A POLLUTANT OR DANGEROUS GOODS.
  2. MUST REQUEST CLEARANCE 96 HOURS PRIOR TO ENTERING CANADIAN WATERS FROM SEAWARD OR AS SOON AS PRACTICAL WHERE THE ESTIMATED TIME OF ARRIVAL OF THE SHIP IN CANADIAN WATERS IS LESS THAN 96 HOURS AFTER THE TIME THE SHIP DEPARTED ITS LAST PORT OF CALL.
  3. THIS WILL REMAIN IN EFFECT UNTIL FURTHER NOTICE.
- NAVAREA IV 393/01(GEN). CANADA. AUTORISATION DE MOUVEMENT 96 HEURES AVANT D'ENTRER DANS LES EAUX CANADIENNES.
1. EN VIGUEUR LE 110001Z OCT, LE CAPITAINE DE TOUT NAVIRE:
    - A. D'UNE JAUGE BRUTE DE 500 TONNEAUX OU PLUS.
    - B. REMORQUANT OU POUSSANT UN BATIMENT LORSQUE LA SOMME DE LEURS JAJGES BRUTES EST DE 500 TONNEAUX OU PLUS.
    - C. TRANSPORTANT UN POLLUANT OU DES MARCHANDESSES DANGEREUSES, OU REMORQUANT OU POUSSANT UN BATIMENT QUI TRANSPORTE UN POLLUANT OU DES MARCHANDESSES DANGEREUSES.
  2. DOIT SOLICITER UNE AUTORISATION DE MOUVEMENT 96 HEURES AVANT QUE LE NAVIRE ENTRE DANS LES EAUX CANADIENNES EN PROVENANCE DU LARGE, OU AUSSITOT QUE POSSIBLE LORSQUE L'HEURE PREVUE D'ARRIVEE DU NAVIRE DANS LES EAUX CANADIENNES EST MOINS DE 96 HEURES APRES L'HEURE OU LE NAVIRE A QUITTE SON DERNIER PORT D'ESCALE.
  3. CETTE MESURE RESTERA EN VIGUEUR JUSQU'A NOUVEL ORDRE.

(121832Z OCT 2001)

###### 2002 series

219/02(GEN). UNITED STATES.

1. THE U.S. COAST GUARD HAS ESTABLISHED PROTECTION ZONES AROUND U.S. NAVAL VESSELS WITHIN U.S. NAVIGABLE WATERS.
2. NAVAL VESSEL PROTECTION ZONES ARE ESTABLISHED WITHIN 100 YARDS OF ANY U.S. NAVAL VESSEL.. THIS INCLUDES ANY VESSEL OWNED, OPERATED, CHARTERED OR LEASED BY THE U.S. NAVY OR UNDER THE OPERATIONAL CONTROL OF THE U.S. NAVY.
3. VESSELS WITHIN 500 YARDS OF A U.S. NAVAL VESSEL SHALL OPERATE AT THE MINIMUM SPEED NECESSARY TO MAINTAIN A SAFE COURSE AND PROCEED AS DIRECTED BY THE OFFICIAL PATROL.
4. VIOLATING THE NAVAL VESSEL PROTECTION ZONE IS A FELONY OFFENSE, PUNISHABLE BY UP TO SIX YEARS IMPRISONMENT AND/OR UP TO \$250,000 IN FINES.
5. MARINERS MAY CONTACT U.S. COAST GUARD ON VHF CHANNEL 16 REGARDING THIS MSG.
6. CANCEL NAVAREA IV 359/01.

(141650Z JUN 2002)

346/02(GEN). ARABIAN GULF, RED SEA, GULF OF OMAN.

1. REPORTS HAVE BEEN RECEIVED THAT THE AL QAEDA TERRORIST GROUP HAS PLANNED ATTACKS AGAINST U.S. ASSETS. COALITION FORCES ARE ALERT TO THE POTENTIAL THREAT AND ARE CURRENTLY ON PATROL IN THE ARABIAN GULF, RED SEA AND GULF OF OMAN.
  2. MARINERS ARE ADVISED TO EXERCISE EXTREME CAUTION WHEN TRANSITING THE ARABIAN GULF, THE HORN OF AFRICA, THE STRAIT OF BAB-EL-MANDEB, THE STRAIT OF HORMUZ AND OTHER TRADITIONAL HIGH THREAT AREAS NEAR CONFINED WATERS WHICH RESTRICT THE ABILITY TO MANEUVER.
  3. U.S. FLAG MERCHANT VESSELS AND VESSELS UNDER U.S. CONTROL ARE REMINDED TO REVIEW NIMA PUB 117, PAGE 4-77, REQUESTS FOR U.S. NAVY ASSISTANCE IN EMERGENCY SITUATIONS.
  4. ANY ANTI-SHIPPING ACTIVITY SHOULD BE REPORTED TO NIMA NAVSAFETY, THE U.S. STATE DEPARTMENT, THE NEAREST U.S. EMBASSY OR CONSULATE (SEE NIMA PUB. 117 CHAPTER 4).
  5. MARINERS SHOULD OBTAIN AND EVALUATE CURRENT WARNING INFORMATION BROADCAST BY THE NATIONAL IMAGERY AND MAPPING AGENCY (NIMA) VIA HYDROFAC AND HYDROLANT BROADCASTS.
- MARAD ADVISORY 02-06 (111130Z SEP 02) REFERS.

(111713Z SEP 2002)

SECTION III

351/02(11). GULF OF MEXICO.

SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE  
BY M/V CGG SYMPHONY TOWING SIX 5.5 MILE LONG  
CABLES IN AREA BETWEEN 27-15N 27-57N AND  
091-55W 093-10W. SEVEN MILE BERTH REQUESTED.

(130650Z SEP 2002)

365/02(14). NORTH ATLANTIC.

1. UNDERWATER CABLE OPERATIONS 22 SEP UNTIL FURTHER NOTICE  
BY CABLESHIP ILE DE BATZ AND CABLESHIP ILE DE RE  
VICINITY 38-22.9N 063-43.9W. WIDE BERTH REQUESTED.  
2. CANCEL NAVAREA IV 315/02(12,13).

(211545Z SEP 2002)

367/02(GEN). GPS SATELLITE SYSTEM.

PRN 21 UNUSABLE.

(252130Z SEP 2002)

383/02(11,26). NORTH ATLANTIC.

1. SURVEY OPERATIONS IN PROGRESS UNTIL 31 DEC  
BY M/V ODYSSEY IN AREA BETWEEN  
30-40N 32-00N AND 079-10W 080-05W.  
WIDE BERTH REQUESTED.  
2. CANCEL THIS MSG 01 JAN 03.

(070740Z OCT 2002)

457/02(11). FLORIDA KEYS. DRY TORTUGAS.

CORRECTION TO BRITISH ADMIRALTY CHARTS.

BA CHARTS 3005, 525, 1217 AND 3853

1. IMO AUTHORIZED NO ANCHORING AREAS ESTABLISHED IN AREAS:  
A. BOUNDED BY 24-46.0N 083-06.0W, 24-46.0N 082-48.0W,  
24-43.5N 082-48.0W, 24-39.0N 083-00.0W,  
24-32.0N 083-00.0W, 24-37.0N 083-06.0W.  
B. BETWEEN 24-33.0N 24-18.0N AND 083-05.0W 083-09.0W.  
2. CANCEL THIS MSG 10 JAN 03.

(291845Z NOV 2002)

468/02(GEN). GPS SATELLITE SYSTEM.

PRN 22 UNUSABLE.

(031633Z DEC 2002)

471/02(11,24,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 111950Z TO 120105Z DEC, ALTERNATE  
121950Z TO 130105Z DEC IN AREAS BOUND BY:  
A. 29-02N 080-10W, 28-45N 080-10W, 28-15N 075-30W,  
29-10N 078-30W.  
B. 28-31N 075-28W, 28-04N 075-33W, 27-56N 074-44W,  
28-22N 074-39W.  
C. 27-38N 070-38W, 27-12N 070-44W, 26-54N 069-24W,  
27-20N 069-18W.  
D. 17-19N 047-41W, 16-32N 048-02W, 15-23N 045-27W,  
16-10N 045-07W.  
2. CANCEL THIS MSG 130205Z DEC.

(060905Z DEC 2002)

474/02(11,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:  
A. 0500Z TO 0459Z COMMENCING DAILY 09 THRU 15 DEC  
IN AREA BOUND BY  
30-45.0N 080-32.0W, 30-45.0N 079-40.0W,  
30-37.5N 079-40.0W, 30-34.0N 080-33.0W.  
B. 0500Z TO 0459Z COMMENCING DAILY 09, 10 AND  
13 THRU 15 DEC IN AREA BETWEEN  
29-20.0N 29-10.0N AND 079-50.0W 079-40.0W.  
C. 110100Z TO 110400Z DEC IN AREA BOUND BY  
30-35.0N 081-21.0W, 30-35.0N 081-00.0W,  
30-00.0N 081-02.0W, 30-00.0N 081-15.0W.  
D. 1300Z TO 0459Z COMMENCING DAILY 10 AND 12 DEC  
IN AREA BETWEEN  
30-00.0N 29-50.0N AND 080-50.0W 081-00.0W.  
2. CANCEL THIS MSG 160559Z DEC.

(061250Z DEC 2002)

### SECTION III

NM 52/02

477/02(GEN).

1. NAVAREA IV MESSAGES IN FORCE 071000Z DEC 2002. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2002 SERIES: 441(11,26), 454(11), 457(11), 464(11,26),  
468(GEN), 471(11,24,26), 472(38), 473(24), 474(11,26),  
475(GEN), 476(11).
2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF 13 DEC 2001 IS GIVEN IN SEC III OF NM 52/01. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/02, 26/02 AND 39/02.
3. CANCEL NAVAREA IV 459/02.

(071010Z DEC 2002)

479/02(GEN). NORTH ATLANTIC. MAINE.

1. LORAN-C STATION CARIBOU, RATES 5930-MASTER AND 9960-W, UNUSABLE 131300Z TO 131700Z DEC.
2. CANCEL THIS MSG 131800Z DEC.

(090840Z DEC 2002)

480/02(11). GULF OF MEXICO. PASCAGOULA HARBOR.  
CORRECTION TO BRITISH ADMIRALTY CHART.

BA CHART 3841.

1. MARINERS ARE WARNED THAT BA CHART 3841 (DEPTH UNITS IN FEET) HAS BEEN INCORRECTLY PRINTED IN METRIC COLORS. MARINERS WILL BE ADVISED WHEN CORRECTED VERSIONS ARE AVAILABLE.
2. CANCEL THIS MSG 10 JAN 03.

(091240Z DEC 2002)

481/02(11). GULF OF MEXICO. TEXAS.

1. SEISMIC SURVEY IN PROGRESS UNTIL 15 DEC BY M/V CGG AMADEUS TOWING SIX 5 MILE LONG CABLES IN AREA BOUND BY 27-35N, 095-57W, 27-55N, 096-20W, 27-44N, 096-28W, 27-25N, 096-08W. WIDE BERTH REQUESTED.
2. CANCEL NAVAREA IV 476/02.
3. CANCEL THIS MSG 16 DEC.

(091715Z DEC 2002)

484/02(24). NORTH ATLANTIC.

1. RECOVERY OPERATIONS IN PROGRESS UNTIL 14 DEC BY M/V NEFTEGAZ 31 IN AREA BOUND BY 07-44N 045-41W, 05-11N 045-40W, 05-11N 048-33W, 07-42N 048-35W. WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 15 DEC.

(120310Z DEC 2002)

### SECTION III

NM 52/02

#### HYDROLANTS

##### 2000 series

1569/00(36). WALES-WEST COAST. CARDIGAN BAY.  
CHART 36040 (16TH ED).  
LIGHTFLOAT, FL(5) Y 20 SEC, ESTABLISHED IN 52-31N 004-49W.  
(031648Z MAY 2000)

2353/00(36). IRELAND-EAST COAST.  
CHART 36060 (17TH ED).  
DANGEROUS WRECK REPORTED IN 53-50.48N 006-06.09W.  
(031821Z JUL 2000)

2937/00(38). GREENLAND SEA.  
CHART 38266 (1ST ED).  
UNCHARTED ISLETS REPORTED VICINITY 79-20.45N 015-50.39W.  
(231209Z AUG 2000)

3762/00(43). BALTIC SEA. SKAGERRAK.  
CHART 43360 (21ST ED).  
DANGEROUS WRECK MARKED BY NORTH CARDINAL BUOY AND  
SOUTH CARDINAL BUOY IN 57-42.39N 010-20.41E.  
(081925Z NOV 2000)

4265/00(44). BALTIC SEA.  
CHART 44180 (6TH ED).  
1. TROSKEIN VASTRA LIGHT 59-39.6N 019-51.8E DESTROYED.  
OBSTRUCTION, LEAST DEPTH TWO METERS, MARKED BY  
EAST CARDINAL BUOY.  
2. CANCEL HYDROLANT 4262/00 AND 4263/00.  
(290540Z DEC 2000)

##### 2001 series

470/01(53). ITALY-WEST COAST.  
CHART 53106 (5TH ED).  
1. WRECK, LEAST DEPTH 22 METERS, IN 43-58.8N 009-53.3E.  
2. CANCEL HYDROLANT 443/01.  
(081509Z FEB 2001)

611/01(44). BALTIC SEA. THE SOUND.  
CHART 44049 (9TH ED).  
1. DANGEROUS WRECK MARKED BY EAST CARDINAL BUOY IN  
55-32.9N 012-41.3E.  
2. CANCEL HYDROLANT 607/01.  
(191525Z FEB 2001)

1116/01(36). ENGLAND-SOUTH COAST.  
CHART 36182 (6TH ED).  
RACON (M) ESTABLISHED AT ROUND ISLAND LIGHT 49-59N 006-19W.  
(101639Z APR 2001)

1798/01(37). ENGLAND-SOUTHEAST COAST.  
CHART 37141 (29TH ED).  
1. DANGEROUS WRECK, LEAST DEPTH 11.7 METERS, IN 51-28.7N 001-23.9E.  
2. CANCEL HYDROLANT 1787/01.  
(211246Z JUN 2001)

1885/01(44). BALTIC SEA.  
CHART 44036 (5TH ED).  
ROUTE T BUOY 1 (57-47.2N 010-46.1E) RELOCATED TO 57-48.1N 010-44.0E.  
RACON (T) ESTABLISHED AT BUOY.  
(031755Z JUL 2001)

2066/01(37). DOVER STRAIT.  
CHART 37120 (2ND ED).  
1. FOG SIGNAL AT RUYTINGEN SW BUOY 51-05N 001-47E INOPERATIVE.  
2. CANCEL HYDROLANT 903/01.  
(240102Z JUL 2001)

2659/01(GEN). CANADA. 96 HOURS NOTIFICATION PRIOR TO  
ENTERING CANADIAN WATERS.  
1. EFFECTIVE 110001Z OCT, ALL VESSELS THAT ARE:  
A. OF 500 TONS GROSS TONNAGE OR MORE.  
B. ENGAGED IN TOWING OR PUSHING A VESSEL, WHERE THE COMBINED  
TONNAGE OF THE SHIP AND THE VESSEL BEING TOWED OR PUSHED IS  
500 TONS GROSS TONNAGE OR MORE.  
C. CARRYING A POLLUTANT OR DANGEROUS GOODS OR ENGAGED IN TOWING  
OR PUSHING A VESSEL CARRYING A POLLUTANT OR DANGEROUS GOODS.  
2. MUST REQUEST CLEARANCE 96 HOURS PRIOR TO ENTERING CANADIAN WATERS

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FROM SEAWARD OR AS SOON AS PRACTICAL WHERE THE ESTIMATED TIME OF ARRIVAL OF THE SHIP IN CANADIAN WATERS IS LESS THAN 96 HOURS AFTER THE TIME THE SHIP DEPARTED ITS LAST PORT OF CALL.

3. THIS WILL REMAIN IN EFFECT UNTIL FURTHER NOTICE.  
HYDROLANT 2659/01(GEN). CANADA. AUTORISATION DE MOUVEMENT 96 HEURES AVANT D'ENTRER DANS LES EAUX CANADIENNES.
1. EN VIGUEUR LE 110001Z OCT, LE CAPITAINE DE TOUT NAVIRE:
  - A. D'UNE JAUGE BRUTE DE 500 TONNEAUX OU PLUS.
  - B. REMORQUANT OU POUSSANT UN BATIMENT LORSQUE LA SOMME DE LEURS JAGUES BRUTES EST DE 500 TONNEAUX OU PLUS.
  - C. TRANSPORTANT UN POLLUANT OU DES MARCHANDISES DANGEREUSES, OU REMORQUANT OU POUSSANT UN BATIMENT QUI TRANSPORTE UN POLLUANT OU DES MARCHANDISES DANGEREUSES.
2. DOIT SOLICITER UNE AUTORISATION DE MOUVEMENT 96 HEURES AVANT QUE LE NAVIRE ENTRE DANS LES EAUX CANADIENNES EN PROVENANCE DU LARGE, OU AUSSITOT QUE POSSIBLE LORSQUE L'HEURE PREVUE D'ARRIVEE DU NAVIRE DANS LES EAUX CANADIENNES EST MOINS DE 96 HEURES APRES L'HEURE OU LE NAVIRE A QUITTE SON DERNIER PORT D'ESCALE.
3. CETTE MESURE RESTERA EN VIGUEUR JUSQU'A NOUVEL ORDRE.

(121840Z OCT 2001)

2700/01(37). DOVER STRAIT.

CHART 37103 (9TH ED).

10.6 METER DEPTH REPORTED IN 50-44.8N 001-16.9E.

(181203Z OCT 2001)

2706/01(37). FRANCE-NORTH COAST.

CHART 37125 (15TH ED).

11.4 METER SHOAL REPORTED IN 50-59.45N 001-46.59E.

(190225Z OCT 2001)

2864/01(53). TYRRHENIAN SEA.

CHART 53147 (3RD ED).

DANGEROUS WRECK MARKED BY BUOY IN 41-50.4N 012-06.8E.

(070113Z NOV 2001)

2916/01(37). DOVER STRAIT.

CHART 37121 (11TH ED).

SHOALS REPORTED IN TSS:

- A. 27.6 METERS IN 51-06.7N 001-43.3E.
- B. 23.9 METERS IN 51-07.7N 001-47.2E.

(121838Z NOV 2001)

2948/01(36). ENGLAND-WEST COAST.

CHART 36173 (1ST ED).

1. 14.7 METER SHOAL IN 50-58.0N 004-37.9W.

2. CANCEL HYDROLANT 2760/01(53) AND 2941/01(52,53), OPERATIONS CANCELED.

(161506Z NOV 2001)

3161/01(44). BALTIC SEA.

CHART 44420 (6TH ED).

SHOALS REPORTED:

- A. 14.6 METERS IN 56-30.4N 018-32.2E.
- B. 18 METERS IN 56-28.7N 018-32.6E.
- C. 18 METERS IN 56-31.4N 018-34.6E.
- D. 19 METERS IN 56-29.5N 018-34.5E.

(121653Z DEC 2001)

**2002 series**

11/02(54). AEGEAN SEA. MISSILES.

1. HAZARDOUS OPERATIONS 0530Z TO SUNSET DAILY WEDNESDAY, THURSDAY AND FRIDAY UNTIL 27 DEC IN AREAS:

A. BOUND BY 35-36N 024-07E, 36-18N 024-07E,  
36-18N 025-59E, 36-25N 026-12E, 36-16N 026-40E,  
35-36N 026-41E, 35-31N 024-11E.

B. WITHIN 1000 METERS OF 35-32.0N 024-13.0E AND  
35-28.0N 024-11.7E.

2. CANCEL HYDROLANT 3298/01(37), AID RESTORED.
3. CANCEL THIS MSG 28 DEC.

(031410Z JAN 2002)

134/02(37). ENGLISH CHANNEL.

CHART 37101 (9TH ED).

1. DANGEROUS WRECK, LEAST DEPTH 22.6 METERS,  
IN 50-43.5N 000-44.1E.
2. CANCEL HYDROLANT 2649/01.

(181535Z JAN 2002)

245/02(GEN). IRAQ EMBARGO.

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PART 1 OF 2. REFER TO 246/02 FOR PART 2.

1. SUMMARY: THE NAVAL INTERCEPTION EFFORT IN SUPPORT OF THE UNITED NATIONS SANCTIONS PERTAINING TO IRAQ CONTINUES IN THE ARABIAN GULF AND OTHER AREAS WHERE VESSELS ARE INBOUND TO OR OUTBOUND FROM IRAQ. CARGO BOUND FOR AQABA OR TRANSSHIPMENT FROM AQABA WILL NORMALLY BE INSPECTED ASHORE BY A TEAM CONSISTING OF LLOYD'S REGISTER AND THE AQABA PORT AUTHORITY. VESSELS TRaversing THE NORTHERN ARABIAN GULF, THE SHATT AL-ARAB WATERWAY OR KHAWR ABD-ALLAH WATERWAY SHOULD EXPECT TO BE QUERIED AND IF BOUND FOR OR DEPARTING IRAQI PORTS, BOARDED BY MULTINATIONAL NAVAL UNITS ENFORCING UNITED NATIONS SANCTIONS. DOCUMENTATION REQUIREMENTS FOR THE OFFICIALS IN AQABA AND THE NAVAL UNITS IN THE ARABIAN GULF ARE IDENTICAL. IRAQ-BOUND CARGOES OTHER THAN APPROVED FOOD, MEDICAL SUPPLIES OR HUMANITARIAN ITEMS WILL NOT BE ALLOWED TO PASS. VESSELS NOT IN POSSESSION OF APPROPRIATE AUTHORIZATION LETTERS FROM THE UNITED NATIONS MAY BE SUBJECT TO DELAY UNTIL PROPER DOCUMENTATION IS OBTAINED. ALL GOODS SENT INTO IRAQ UNDER THE OIL-FOR-FOOD PROGRAM REQUIRE A UNITED NATIONS AUTHORIZATION LETTER. ALL GOODS SENT LEGALLY INTO IRAQ OUTSIDE THE OIL-FOR-FOOD PROGRAM, WITH THE EXCEPTION OF FOOD AND MEDICINE, REQUIRE A UNITED NATIONS AUTHORIZATION LETTER. FOOD AND MEDICINE ARE NOT SUBJECT TO UNITED NATIONS SANCTIONS AND ARE NOT REQUIRED TO HAVE A UNITED NATIONS AUTHORIZATION LETTER UNLESS THEY ARE BEING SENT IN UNDER THE OIL-FOR-FOOD PROGRAM.
2. UNITED NATIONS SECURITY COUNCIL RESOLUTION 986 AND SUBSEQUENT RESOLUTIONS, THE OIL-FOR-FOOD PROGRAM: THE IMPLEMENTATION OF OIL-FOR-FOOD DOES NOT AFFECT THE MISSION OF THE MULTINATIONAL FORCES OPERATING UNDER THE AUTHORITY OF UNSCR 661 (1990), UNSCR 665 (1990), AND OTHER RELEVANT RESOLUTIONS. THE OPERATING PROCEDURES SET FORTH IN THIS NOTICE ACCOUNT FOR THE REQUIREMENTS OF UNSCR 986 AND SUBSEQUENT RESOLUTIONS. SHIPS TRaversing THE ENFORCEMENT AREA IN THE ARABIAN GULF SHOULD EXPECT DELAYS STEMMING FROM MARITIME INTERCEPTION OPERATIONS. STRICT ADHERENCE TO THE PROCEDURES IN THIS NOTICE WILL MINIMIZE ANY DELAYS ASSOCIATED WITH SEABORNE INSPECTIONS.
3. THE FOLLOWING REQUIREMENTS ARE IN EFFECT FOR ALL IRAQ-BOUND SHIPPING TRaversing THE MARITIME INTERCEPTION OPERATIONS AREA IN THE ARABIAN GULF:
  - A. NOTIFICATION: A MINIMUM OF 72 HOURS ADVANCE NOTIFICATION IS REQUIRED PRIOR TO ARRIVAL AT THE ENFORCEMENT AREA. CONTACT THE MARITIME INTERCEPTION FORCES (MIF) COORDINATOR, U.S. NAVAL FORCES, CENTRAL COMMAND (BAHRAM) BY FAX: 973 724 344 OR 973 724 334 OR LETTER (SEE PARAGRAPH 8). THE FOLLOWING INFORMATION MUST BE INCLUDED:
    - (1) VESSEL NAME.
    - (2) VESSEL FLAG.
    - (3) INTERNATIONAL RADIO CALL SIGN.
    - (4) ITINERARY, INCLUDING PORT OF CARGO ORIGIN.
    - (5) DESCRIPTION OF CARGO.
    - (6) VOLUME OF CARGO.
    - (7) NUMBER OF HOLDS.
    - (8) DIMENSIONS OF HOLDS.
    - (9) IDENTIFICATION OF THE VESSEL'S SHIPPING AGENT.
    - (10) IDENTIFICATION OF THE VESSEL'S OWNERS.
    - (11) IF REQUIRED (REFER TO PARAGRAPH 1), UNITED NATIONS SECURITY COUNCIL LETTER SHOWING SERIAL NUMBER, ISSUE DATE AND EXPIRATION DATE.
    - (12) ESTIMATED ARRIVAL DATE AND TIME AT THE CHECKPOINT (SEE PARAGRAPH 3.C).
  - B. CARGO CONFIGURATION: ALL CARGO MUST BE ACCESSIBLE FOR INSPECTION AT SEA. CARGO CARRIERS ARE RESPONSIBLE FOR LOADING CARGOES TO ENSURE ACCESSIBILITY. THE FOLLOWING SPECIFIC GUIDANCE APPLIES:
    - (1) CONTAINERIZED CARGO: CARGO CONTAINERS MUST NOT BE STACKED MORE THAN THREE HIGH FROM THE DECK. AS A SAFETY PRECAUTION TO PROTECT INSPECTION TEAMS, CONTAINERS STACKED MORE THAN THREE HIGH WILL BE CONSIDERED INACCESSIBLE. THIS PROVISION APPLIES TO BOTH INTERNAL AND DECK-LOADED CONTAINERS.
    - (2) BREAK BULK: PACKAGED OR BAGGED CARGO MUST BE LOADED IN A MANNER WHICH PERMITS THOROUGH INSPECTION. PALLETIZED ROWS OF CARGO REQUIRE ADEQUATE SEPARATION TO ALLOW FOR SAFE ACCESS.
    - (3) LOOSE BULK: LOOSE BULK CARGO MUST BE ACCESSIBLE FOR PHYSICAL AND VISUAL INSPECTION. VERIFICATION OF MEASUREMENT SOUNDS AND SAMPLING. HATCH COVERS MUST BE OPENED TO ALLOW FOR THOROUGH INSPECTION.
    - (4) IF A VESSEL'S CARGO IS DEEMED INACCESSIBLE FOR INSPECTION, THE VESSEL MAY BE DIRECTED TO RETURN TO A PORT WHERE ACCEPTABLE CARGO LOADING CAN BE ARRANGED.
  - C. CHECKPOINT: VESSELS BOUND FOR OR DEPARTING FROM IRAQI PORTS OR THE MINA AL-BAKR OIL TERMINAL MUST PASS WITHIN A FIVE NAUTICAL MILE RADIUS OF LATITUDE TWENTYNINE DEGREES TWELVE MINUTES NORTH AND LONGITUDE FORTYNINE DEGREES TWENTY MINUTES EAST (29-12N 049-20E). APPROACHING VESSELS

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SHOULD CONTACT THE MIF COMMANDER ON BRIDGE-TO-BRIDGE RADIO, CHANNEL 16, WHEN WITHIN FIVE NAUTICAL MILES OF THIS POINT. VESSELS WILL NOT BE PERMITTED TO PROCEED FROM THIS POINT UNTIL CLEARED BY THE MIF COMMANDER. VESSELS CONTAINING CARGOES FOR DESTINATIONS OTHER THAN IRAQ WILL NOT BE ALLOWED PASSAGE INTO IRAQ.

D. VESSEL TONNAGE LIMIT: VESSELS UNDER 30,000 DWT WILL NOT BE AUTHORIZED TO PROCEED TO MINA AL-BAKR FOR THE PURPOSE OF LOADING PETROLEUM CARGOES.

(011305Z FEB 2002)

246/02(GEN). IRAQ EMBARGO.

PART 2 OF 2. REFER TO 245/02 FOR PART 1.

E. DOCUMENTATION: VESSEL DOCUMENTATION MUST CONFORM TO THE FOLLOWING REQUIREMENTS:

- (1) AN ORIGINAL MANIFEST LIST, DESCRIBING THE CARGO AS WELL AS IT'S LOCATION IN THE SHIP, MUST BE ON BOARD. THE ORIGINAL MANIFEST MUST INCLUDE THE PORT OF ORIGIN, PORTS OF CALL, COMPLETE BUSINESS NAMES AND ADDRESSES OF ALL SHIPPERS AND CONSIGNEES AND A FINAL DESTINATION OF ALL CARGO. A COMPLETE BUSINESS ADDRESS MUST INCLUDE EITHER THE STREET ADDRESS, A PROMINENT IDENTIFIABLE GEOGRAPHIC LOCATION OR A POST OFFICE BOX PLUS A TELEPHONE NUMBER OR FAX NUMBER.
- (2) CARGO ADDRESSED TO A FREE-TRADE ZONE MUST HAVE THE NAME, ADDRESS, TELEPHONE OR FAX NUMBER OF THE CONSIGNEE TAKING CUSTODY OF THE CONTAINER OR CARGO.
- (3) CONSIGNEE NAMES AND ADDRESSES ON ALL CARGO MUST MATCH THE MANIFEST.
- (4) THE MANIFEST MUST BE SIGNED IN THE ORIGINAL BY THE VESSEL'S MASTER OR CHIEF MATE. THE MANIFEST MAY BE ON SHIPPER'S LETTERHEAD, FAX, PHOTOCOPY OR COMPUTER PRINTOUT, BUT IT MUST BEAR AN ORIGINAL SIGNATURE, CONTAIN ALL THE INFORMATION LISTED ABOVE AND OTHERWISE COMPLY WITH NORMAL MARITIME TRANSPORT PRACTICE.
- (5) THE ORIGINAL MANIFEST MAY CONSIST OF MORE THAN ONE DOCUMENT IF THERE ARE AMENDMENTS THAT LIST CARGO DROPPED OFF AT A GIVEN PORT OR CORRECT THE ORIGINAL MANIFEST. THESE AMENDMENTS MAY ORIGINATE FROM THE SHIPPER OR CARRIER. SINCE ADDITIONAL DOCUMENTS MAY BE TRANSMITTED TO A VESSEL BY SUCH MEANS AS TELEGRAM OR FAX, THEY NEED NOT BEAR AN ORIGINAL SIGNATURE. HOWEVER, THE MASTER IS REQUIRED TO CERTIFY IN WRITING THAT THE AMENDED MANIFEST ACCURATELY REFLECTS WHAT IS ON BOARD THE VESSEL. THE UNDERLYING REQUIREMENTS ARE FOR ACCURATE DOCUMENTATION OF CARGO AND DESTINATION AND FOR A HIGH DEGREE OF CONFIDENCE THAT THE DOCUMENTS ARE AUTHENTIC.
- (6) IF APPLICABLE, THE CARGO DOCUMENTATION MUST INCLUDE A COPY OF THE AUTHORIZATION ISSUED BY THE U.N. PURSUANT TO UNSCR 661 OR UNSCR 986 AND SUBSEQUENT RESOLUTIONS. REFER TO PARAGRAPH 1 ABOVE FOR SPECIFIC AUTHORIZATION REQUIREMENTS.

## 4. VESSEL PRE-CLEARANCE:

A. OIL TANKERS INBOUND TO THE MINA AL-BAKR TERMINAL PURSUANT TO U.N. AUTHORIZATION UNDER UNSCR 986 AND SUBSEQUENT RESOLUTIONS WILL NORMALLY BE AUTHORIZED TO PROCEED UNINTERRUPTED THROUGH THE CHECKPOINT DESCRIBED IN PARAGRAPH 3.C. ADVANCE NOTIFICATION AND CHECK-IN ON CHANNEL 16 ARE STILL REQUIRED.

B. VESSELS TRANSPORTING BULK HUMANITARIAN CARGOES ARE INVITED TO CONTACT THE MIF COORDINATOR PRIOR TO SAILING TO EXPLORE PRE-CLEARANCE OPTIONS WHICH USE VOYAGE MONITORING METHODS AND CARGO LOADING CERTIFICATION FROM APPROVED AGENTS. THE MIF COORDINATOR MAY CONSIDER ALTERNATE PRE-CLEARANCE PROCEDURES ON A CASE-BY-CASE BASIS.

C. NOTWITHSTANDING THE PRE-CLEARANCE OPTIONS DISCUSSED ABOVE, THE MULTINATIONAL NAVAL FORCES RETAIN THE RIGHT UNDER UNSCR 665 AND OTHER RELEVANT RESOLUTIONS TO CONDUCT DOCUMENT CHECKS AND AT-SEA INSPECTIONS OF ANY VESSEL WHEN DEEMED NECESSARY.

5. INCOMPLETE DOCUMENTATION: IRAQ-BOUND VESSELS WHICH ARE DETERMINED TO HAVE INCOMPLETE CARGO MANIFESTS OR TO BE OTHERWISE IN VIOLATION OF REQUIREMENTS LISTED IN THIS ADVISORY, MAY BE DETAINED BY THE NAVAL FORCES OR DIVERTED TO A NON-IRAQ PORT UNTIL APPROPRIATE CONDITIONS ARE MET.

6. PETROLEUM EXPORTS AND BUNKER FUEL NOT APPROVED BY THE U.N. OUTBOUND VESSELS ARE SUBJECT TO SEARCH BY THE MIF. IF AN INTERCEPTED VESSEL IS SUSPECTED TO BE CARRYING A CARGO OF IRAQI PETROLEUM, PETROLEUM PRODUCTS OR HAS TAKEN ON IRAQI BUNKER FUEL WITHOUT U.N. AUTHORIZATION, THE MIF WILL TAKE CARGO AND BUNKER FUEL SAMPLES FOR LABORATORY ANALYSIS, EXAMINATION, AND COMPARISON WITH IRAQI CONTROL SAMPLES. VESSELS SUSPECTED OF VIOLATING U.N. SANCTIONS MAY BE DETAINED, AND IF IT IS DETERMINED THAT A PETROLEUM CARGO IS OF IRAQI ORIGIN, THE CARGO WILL BE SEIZED AND DISPOSED OF IN ACCORDANCE WITH UNSCR

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778. IN SUCH CASES THE VESSEL ITSELF AND CREW MAY BE SUBJECT TO ENFORCEMENT ACTIONS BY AN ACCEPTING U.N. MEMBER STATE.
7. CRUISE AND PASSENGER SHIPS: CRUISE OR PASSENGER SHIPS TRAVERSING THE MIF ENFORCEMENT AREA WILL BE SUBJECT TO THE FOLLOWING REQUIREMENTS:
- A. VESSELS WITH NO COMMERCIAL CARGO CARRYING CAPACITY MAY ARRANGE FOR AN EXPEDITIOUS TRANSIT THROUGH THE ENFORCEMENT AREA BY FORWARDING CERTIFICATION FROM A MEMBER OF THE INTERNATIONAL ASSOCIATION OF CLASSIFICATION SOCIETIES (IACS) THAT THE SHIP HAS NO SUCH CAPACITY. THE CERTIFICATION MUST BE SENT BY LETTER OR FAX AT LEAST SIXTY DAYS PRIOR TO TRANSIT.
  - B. A PASSENGER VESSEL ARRIVING IN THE ENFORCEMENT AREA WHICH HAS NOT COMPLIED WITH THE REQUIREMENTS OF PARAGRAPH 7.A WILL BE BOARDED AND INSPECTED DURING DAYLIGHT HOURS. IF IT IS DETERMINED THAT THE VESSEL HAS NO COMMERCIAL CARGO CARRYING CAPACITY, ITS IDENTIFICATION WILL BE RECORDED SO THAT IT MAY BE VISUALLY IDENTIFIED AND NOT BOARDED DURING SUBSEQUENT TRANSITS.
8. FOR MERCHANT ADVISORY UPDATES, VESSELS SHOULD CONTACT THE COMMANDER, U.S. NAVAL FORCES CENTRAL COMMAND, MARITIME INTERCEPTION COORDINATOR (N3ICG), FPO AE 09501 6008, PHONE: 973 724 839 OR 973 724 841.  
FAX: 973 724 344 OR 973 724 334,
9. CANCEL HYDROLANT 384/01 AND 385/01.

(011310Z FEB 2002)

321/02(52). TUNISIA. GUNNERY.

1. GUNNERY EXERCISES IN PROGRESS UNTIL 31 DEC IN AREA BETWEEN 37-45N 38-00N AND 010-15E 010-30E.
2. CANCEL THIS MSG 01 JAN 03.

(071830Z FEB 2002)

349/02(54). AEGEAN SEA. GUNNERY.

1. GUNNERY EXERCISES IN PROGRESS UNTIL 31 DEC DAILY DURING DAYLIGHT HOURS IN AREA BOUND BY 38-02N 024-52E, 38-16N 025-21E, 37-48N 025-49E, 37-34N 025-23E, 37-42N 025-01E, 38-00N 024-52E.
2. CANCEL THIS MSG 01 JAN 03.

(111125Z FEB 2002)

383/02(53). LIGURIAN SEA. ORDNANCE.

CHART 53106 (5TH ED).

1. UNEXPLODED ORDNANCE ON WRECK WITHIN 500 METERS OF 44-03-38N 009-45-06E.
2. CANCEL HYDROLANT 192/02.

(171150Z FEB 2002)

946/02(53). SARDEGNA-WEST COAST.

CHART 53011 (2ND ED).

OCEANOGRAPHIC BUOY, YELLOW, ESTABLISHED IN 39-54.7N 007-33.9E.

(231651Z APR 2002)

1065/02(53). SARDEGNA-SOUTH COAST.

CHART 53130 (1ST ED).

ISOLA DEI CAVOLI LIGHT 39-05.3N 009-32.1E UNLIT.

(082052Z MAY 2002)

1066/02(37). NORTH SEA.

CHART 37010 (23RD ED).

1. DANGEROUS WRECK, LEAST DEPTH 13.7 METERS, MARKED BY BUOY, RACON (D) IN 54-31.0N 002-36.3E.
2. CANCEL HYDROLANT 1057/02.

(090450Z MAY 2002)

1159/02(51). NORTH ATLANTIC. ISLAS CANARIAS.

UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE BY M/V NORTHERN ACCESS IN AREA BOUND BY 23-40N 016-00W, 24-00N 018-00W, 27-30N 016-00W, 27-40N 014-00W, 27-00N 013-27W. SIX MILE BERTH REQUESTED.

(241637Z MAY 2002)

1290/02(53). SICILIA-EAST COAST.

CHART 53200 (6TH ED).

PUNTA CHIANCONA LIGHT 37-43.7N 015-12.7E UNLIT.

(110215Z JUN 2002)

1485/02(24). BRAZIL-NORTH COAST.

CHART 24270 (3RD ED).

1. RACON AT RECIFE MANOEL LUIS BF-1 LIGHTFLOAT 00-49S 044-16W INOPERATIVE.

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2. CANCEL HYDROLANT 1380/02 AND 1470/02.

(050750Z JUL 2002)

1895/02(23). ARGENTINA.

CHART 23010 (4TH ED).

BAHIA SAN GREGORIO LIGHT 45-01.5S 065-37.8W UNLIT.

(261640Z AUG 2002)

2027/02(GEN). ARABIAN GULF RED SEA. GULF OF OMAN.

1. REPORTS HAVE BEEN RECEIVED THAT THE AL QAEDA TERRORIST GROUP HAS PLANNED ATTACKS AGAINST U.S. ASSETS. COALITION FORCES ARE ALERT TO THE POTENTIAL THREAT AND ARE CURRENTLY ON PATROL IN THE ARABIAN GULF RED SEA AND GULF OF OMAN.

2. MARINERS ARE ADVISED TO EXERCISE EXTREME CAUTION WHEN TRANSITING THE ARABIAN GULF, THE HORN OF AFRICA, THE STRAIT OF BAB-EL-MANDEB, THE STRAIT OF HORMUZ AND OTHER TRADITIONAL HIGH THREAT AREAS NEAR CONFINED WATERS WHICH RESTRICT THE ABILITY TO MANEUVER.

3. U.S. FLAG MERCHANT VESSELS AND VESSELS UNDER U.S. CONTROL ARE REMINDED TO REVIEW NIMA PUB 117, PAGE 4-77, REQUESTS FOR U.S. NAVY ASSISTANCE IN EMERGENCY SITUATIONS.

4. ANY ANTI-SHIPPING ACTIVITY SHOULD BE REPORTED TO NIMA NAVSAFETY, THE U.S. STATE DEPARTMENT, THE NEAREST U.S. EMBASSY OR CONSULATE (SEE NIMA PUB. 117 CHAPTER 4).

5. MARINERS SHOULD OBTAIN AND EVALUATE CURRENT WARNING INFORMATION BROADCAST BY THE NATIONAL IMAGERY AND MAPPING AGENCY (NIMA) VIA HYDROPAC AND HYDROLANT BROADCASTS.

MARAD ADVISORY 02-06 (111130Z SEP 02) REFERS.

(111115Z SEP 2002)

2105/02(53). TYRRHENIAN SEA.

CHART 53181 (4TH ED).

ISOLA FILICUDI LIGHT 38-34.9N 014-31.8E UNLIT.

(200030Z SEP 2002)

2156/02(GEN). GPS SATELLITE SYSTEM.

PRN 21 UNUSABLE.

(252139Z SEP 2002)

2171/02(57). NIGERIA.

PIPELAYING OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE BY BARGE LB200 ALONG TRACKLINE BETWEEN 04-12.0N 007-08.6E AND 05-18.5N 005-08.0E.  
TWO MILE BERTH REQUESTED.

(290830Z SEP 2002)

2203/02(51). NORTH ATLANTIC. SENEGAL.

1. DERELICT M/V JOOLA AROUND VICINITY 13-15.3N 016-59.3W.  
WIDE BERTH REQUESTED.  
2. CANCEL HYDROLANT 2184/02.

(031801Z OCT 2002)

2294/02(53). ITALY-SOUTHWEST COAST

CHART 53180 (10TH ED).

1. CAPO BONIFATI LIGHT 39-32.6N 015-53.0E UNLIT.  
2. CANCEL HYDROLANT 2187/02.

(161915Z OCT 2002)

2307/02(24). BRAZIL-NORTH COAST.

M/V NIZA II, WHITE AND BROWN HULL, FOUR PERSONS ON BOARD, UNREPORTED RIO PARA TO OIAPOQUE. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO ANY COASTAL RADIO STATION.

(181537Z OCT 2002)

2354/02(53). SARDEGNA-SOUTH COAST.

CHART 53269 (5TH ED).

ISOLOTTA IL TORO LIGHT 38-51.6N 008-24.6E UNLIT.

(241920Z OCT 2002)

2372/02(38). NORTH ATLANTIC.

MAN OVERBOARD FROM F/V RYOUN MARU NO 22 IN 57-01N 020-16W AT 270000Z OCT. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO UKMRCC.

(270700Z OCT 2002)

2382/02(55). BLACK SEA.

1. SEISMIC SURVEY IN PROGRESS UNTIL 31 DEC BY

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M/V AKADEMİK SHATSKIY TOWING 6000 METER LONG  
CABLE IN AREA BOUND BY 43-53.8N 036-22.6E,  
44-25.9N 036-36.3E, 44-25.8N 037-00.4E,  
44-10.3N 037-00.8E, 43-51.6N 037-52.6E,  
43-29.8N 037-34.4E. WIDE BERTH REQUESTED.  
2. CANCEL THIS MSG 01 JAN 03.

(271612Z OCT 2002)

2394/02(54,56). EASTERN MEDITERRANEAN SEA.  
DISTRESS SIGNAL RECEIVED ON 243.0 MHZ IN 33-28.6N 033-05.2E  
AT 290924Z OCT. VESSELS IN VICINITY REQUESTED TO KEEP A  
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC LARNACA,  
TELEX: 6054158, PHONE: 357 2430 4723, FAX: 357 2464 325.

(291215Z OCT 2002)

2421/02(54). AEGEAN SEA. GUNNERY.

1. GUNNERY EXERCISES 0600Z TO 1300Z DAILY 04 NOV THRU 31 DEC,  
EXCEPT SATURDAYS, SUNDAYS AND HOLIDAYS IN AREA BOUND BY  
36-56N 023-29E, 36-42N 023-32E, 36-41N 023-48E,  
36-47N 023-55E.  
2. CANCEL THIS MSG 311400Z DEC.

(010510Z NOV 2002)

2465/02(54,56). EASTERN MEDITERRANEAN SEA.

DISTRESS SIGNAL RECEIVED IN 34-26.9N 030-06.6E. VESSELS  
IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF  
POSSIBLE. REPORTS TO RCC LARNACA, INMARSAT-C: 4210 99999,  
TELEX: 6054158, PHONE: 357 2430 4737, FAX: 357 2464 3254.

(090353Z NOV 2002)

2467/02(24). BRAZIL-SOUTHEAST COAST.

1. UNDERWATER SURVEY 12 NOV THRU 12 DEC BY M/V TAURUS  
IN AREA BETWEEN 22-57.5S 23-00.0S AND  
042-00.9W 041-57.3W. WIDE BERTH REQUESTED.  
2. CANCEL THIS MSG 13 DEC.

(090440Z NOV 2002)

2470/02(37). DOVER STRAIT.

CHART 37129 (6TH ED).  
HINDER 1 BUOY 51-21N 002-11E MISSING.

(091905Z NOV 2002)

2480/02(53). SARDEGNA-NORTHEAST COAST.

CHART 53283 (4TH ED).  
PUNTA TIMONE LIGHT 40-55.6N 009-44.0E UNLIT.

(102304Z NOV 2002)

2484/02(22). ARGENTINA. TIERRA DEL FUEGO.

CHART 22036 (28TH ED).  
CABO SAN DIEGO LIGHT 54-39S 065-07W UNLIT.

(111529Z NOV 2002)

2486/02(36). ENGLAND-WEST COAST. RADIO SERVICES.

1. MF DSC STATION SAINT ANNS HEAD 51-41N 005-11W UNRELIABLE.  
2. CANCEL HYDROLANT 2392/02.

(111740Z NOV 2002)

2489/02(53,54). IONIAN SEA.

DISTRESS SIGNAL RECEIVED VICINITY 37-07N 017-27E.  
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,  
ASSIST IF POSSIBLE. REPORTS TO REGGIO CALABRIA PORT  
AUTHORITY, PHONE: 3909 6565 6274 OR PALERMO RADIO.

(121725Z NOV 2002)

2493/02(54,56). EASTERN MEDITERRANEAN SEA.

DISTRESS SIGNAL RECEIVED ON 121.5 MHZ IN 34-48.6N 034-56.7E  
AT 130848Z NOV. VESSELS IN VICINITY REQUESTED TO KEEP A  
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC LARNACA,  
TELEX: 6054158, PHONE: 357 2430 4723, FAX: 357 2464 325.

(131110Z NOV 2002)

2508/02(24). BRAZIL-SOUTH COAST.

CHART 24130 (14TH ED).  
1. PARANAGUA RADIOBEACON 25-29.6S 048-19.5W  
INOPERATIVE UNTIL 22 DEC.  
2. CANCEL THIS MSG 23 DEC.

(150720Z NOV 2002)

2511/02(52,53). WESTERN MEDITERRANEAN SEA.

SECTION III

UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE  
BY M/V PERFORMER IN AREA BETWEEN 39-12N 39-30N AND  
006-30E 007-00E.

(151458Z NOV 2002)

2526/02(51,57). NORTH ATLANTIC.

1. MAN OVERBOARD FROM F/V ILE TRISTAN VICINITY 02-26N 014-52W  
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,  
ASSIST IF POSSIBLE. REPORTS TO MRCC GRIS NEZ,  
TELEX: 44134002, PHONE: 333 2187 2187, FAX: 333 2187 7855.
2. CANCEL HYDROLANT 2522/02.

(161350Z NOV 2002)

2545/02(35). SCOTLAND-EAST COAST.

1. UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE  
VICINITY 57-48.9N 00-58.4W. WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 2268/02(36).

(190031Z NOV 2002)

2550/02(GEN). AZORES TO KIEL CANAL.

11 METER VESSEL TAURAS, RED HULL WITH YELLOW STRIPE, OVERDUE  
AZORES TO KIEL CANAL. VESSELS IN VICINITY REQUESTED TO KEEP A  
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO MRCC FALMOUTH,  
TELEX: 5145560, PHONE: 4413 2631 7575, FAX: 4413 2631 8342.

(191639Z NOV 2002)

2554/02(35). SCOTLAND-EAST COAST.

CHART 35080 (16TH ED).  
SPECIAL BUOY 56-20N 001-00W UNLIT.

(192148Z NOV 2002)

2566/02(57). GULF OF GUINEA.

UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE  
BY M/V SAIPEM 10000 VICINITY 04-46.1N 004-43.5E.  
ONE MILE BERTH REQUESTED.

(201531Z NOV 2002)

2567/02(36,37,51). NORTH ATLANTIC.

POLLUTION CONTROL OPERATIONS IN PROGRESS UNTIL  
FURTHER NOTICE VICINITY 42-12.6N 012-03W.  
WIDE BERTH REQUESTED.

(201543Z NOV 2002)

2568/02(56). EASTERN MEDITERRANEAN SEA.

1. PIPELAYING OPERATIONS IN PROGRESS UNTIL 20 DEC BY VESSELS  
IN AREA BETWEEN 32-00N 32-20N AND 030-55E 030-30E.  
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 21 DEC.

(201552Z NOV 2002)

2575/02(56). EASTERN MEDITERRANEAN SEA.

1. SEISMIC SURVEY IN PROGRESS UNTIL 25 DEC BY  
M/V FLYING ENTERPRISE TOWING 1200 METER LONG  
CABLE IN AREA BOUND BY 32-09.9N 030-47.6E,  
32-10.5N 030-50.1E, 32-08.4N 030-50.7E,  
32-07.9N 030-48.3E. WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 2408/02.
3. CANCEL THIS MSG 26 DEC.

(211616Z NOV 2002)

2588/02(24). BRAZIL-NORTH COAST.

CHART 24016 (23RD ED).  
PONTA DE ITAPAGE LIGHT 02-52.2S 039-56.7W UNLIT.

(221853Z NOV 2002)

2627/02(37). FRANCE-NORTHWEST COAST.

CHART 37050 (9TH ED).  
RACON AT NORTHEAST BUOY 48-46.3N 005-10.8W AT REDUCED POWER.

(271150Z NOV 2002)

2633/02(54). ADRIATIC SEA.

DISTRESS SIGNAL RECEIVED FROM 12 METER VESSEL EDDY,  
SIX PERSONS ON BOARD, WITHIN 60 MILES OF BARI.  
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP  
LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO MRCC ROME,  
PHONE: 390 659 24145 OR PALERMO RADIO.

(290640Z NOV 2002)

### SECTION III

NM 52/02

2645/02(53). SARDEGNA-EAST COAST. MISSILES. ROCKETS.

1. HAZARDOUS OPERATIONS 0800Z TO 1630Z DAILY:

A. 02 THRU 06, 09 THRU 13 AND 16 THRU 20 DEC IN AREA BOUND BY  
40-00N 010-00E, 40-00N 010-30E, 39-10N 010-30E,  
39-10N 010-00E, 39-26N 009-38E, 39-38N 009-38E.

B. 02 THRU 06, 10 THRU 12 AND 17 THRU 19 DEC IN AREA BOUND BY  
40-15N 010-00E, 40-15N 011-31E, 40-11N 011-33E,  
39-32N 011-38E, 38-52N 011-28E, 39-10N 010-00E,  
39-28N 009-38E, 39-43N 009-40E, 40-15N 010-00E.

2. CANCEL THIS MSG 201730Z DEC.

(291210Z NOV 2002)

2654/02(24). BRAZIL-NORTH COAST.

M/V STOLT TENACITY, YELLOW HULL, 36 PERSONS ON BOARD,  
ADRIFT VICINITY 02-45.7N 045-54.6W AT 292100Z NOV.  
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,  
ASSIST IF POSSIBLE. REPORTS TO ANY COASTAL RADIO STATION.

(301354Z NOV 2002)

2673/02(GEN). GPS SATELLITE SYSTEM.

PRN 22 UNUSABLE.

(031634Z DEC 2002)

2680/02(52). TUNISIA-NORTH COAST. GUNNERY.

1. GUNNERY EXERCISES 10 THRU 21 DEC IN AREA  
BETWEEN 37-25N 37-19N AND 009-39E 009-49E.

2. CANCEL THIS MSG 22 DEC.

(050910Z DEC 2002)

2681/02(52,53). STRAIT OF SICILY.

NINE METER S/V ARGO, BLUE HULL, TWO PERSONS ON BOARD,  
UNREPORTED MALTA TO PANTELLERIA. LAST KNOWN POSITION  
36-59-11N 012-05-56E AT 050615Z DEC. VESSELS IN  
VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF  
POSSIBLE. REPORTS TO MRCC ROME, TELEX: 4361 1172,  
PHONE: 390 6592 3569, FAX: 390 6592 2737.

(050950Z DEC 2002)

2682/02(51). SIERRA LEONE.

CHART 51620 (10TH ED).

DANGEROUS WRECK REPORTED VICINITY 07-26N 012-56W.

(051250Z DEC 2002)

2687/02(37). NORTH SEA.

UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE  
BY CABLESHIP MAERSK DEFENDER VICINITY 52-50N 002-57E.  
WIDE BERTH REQUESTED.

(060334Z DEC 2002)

2690/02(57). SOUTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 111950Z TO 120105Z DEC, ALTERNATE  
121950Z TO 130105Z DEC IN AREA BOUND BY 05-57S 017-35W,  
06-33S 018-04W, 09-06S 015-23W, 09-15S 014-43W,  
08-46S 014-20W, 08-00S 014-38W.

2. CANCEL THIS MSG 130205Z DEC.

(060910Z DEC 2002)

2696/02(GEN).

1. HYDROLANT MESSAGES IN FORCE 071200Z DEC 2002. ONLY THOSE

MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2002 SERIES: 2372(38), 2382(55), 2394(54,56), 2421(54), 2434(56),  
2450(37), 2465(54,56), 2467(24), 2470(37), 2480(53), 2484(22),  
2486(36), 2489(53,54), 2493(54,56), 2508(24), 2511(52,53),  
2526(51,57), 2545(35), 2550(GEN), 2554(35), 2563(51),  
2564(51), 2566(57), 2567(36,37,51), 2568(56), 2575(56), 2588(24),  
2610(24), 2620(37), 2627(37), 2629(36,37,51), 2631(24), 2633(54),  
2642(24), 2645(53), 2646(52,53), 2654(24), 2664(57), 2672(37),  
2673(GEN), 2676(51), 2679(24), 2680(52), 2681(52,53), 2682(51),  
2683(23,29), 2687(37), 2688(37), 2690(57), 2691(38), 2692(24),  
2694(51), 2695(51).

2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF 13 DEC 2001  
IS GIVEN IN SEC III OF NM 52/01. WARNINGS ISSUED DURING THE  
SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/02, 26/02 AND 39/02.

3. CANCEL HYDROLANT 2365/02, 2366/02, 2368/02, 2524/02,  
2581/02, 2663/02, 2693/02.

(071210Z DEC 2002)

2704/02(22,23,29). SOUTH ATLANTIC. ICE.

1. ICEBERGS REPORTED ON 05 DEC:

A. A-38A, 22 MILES BY 48 MILES IN 63-18S 053-00W.  
B. A-38B, 22 MILES BY 25 MILES IN 64-06S 055-06W.

## SECTION III

C. A-38C, SEVEN MILES BY ELEVEN MILES IN 60-54S 053-18W.  
 D. A-38D, TWO MILES BY TEN MILES IN 64-00S 055-30W.  
 E. A-43A, 14 MILES BY 35 MILES IN 58-18S 067-06W.  
 F. A-43B, 13 MILES BY 40 MILES IN 54-12S 039-06W.  
 G. A-43C, 24 MILES BY 41 MILES IN 60-12S 063-18W.  
 H. A-43G, NINE MILES BY 51 MILES IN 57-06S 033-42W.  
 I. A-43I, TWO MILES BY 12 MILES IN 60-12S 044-48W.  
 J. A-46, FOUR MILES BY 11 MILES IN 59-18S 045-24W.  
 K. A-47, NINE MILES BY 14 MILES IN 59-12S 054-36W.  
 L. A-48, NINE MILES BY TEN MILES IN 64-24S 057-24W.  
 M. A-50, TWO MILES BY 11 MILES IN 64-36S 056-06W.  
 N. B-09A, 15 MILES BY 22 MILES IN 57-24S 037-24W.  
 2. CANCEL THIS MSG 14 DEC.

(071629Z DEC 2002)

2705/02(52). ALGERIA.  
 CHART 52220 (7TH ED).  
 RAS AFIA LIGHT 36-49.2N 005-41.6E TEMPORARILY CHANGED TO: FR.

(071727Z DEC 2002)

2709/02(36). CELTIC SEA.  
 1. DERELICT EIGHT METER S/V ADRIFT VICINITY  
 51-27.1N 006-36.9W AT 081510Z DEC.  
 2. CANCEL THIS MSG 15 DEC.

(081716Z DEC 2002)

2711/02(54). ADRIATIC SEA.  
 12 METER S/V, BLACK HULL, ONE PERSON ON BOARD,  
 OVERDUE TO SPLIT HARBOR. LAST KNOWN POSITION  
 43-35N 015-35E AT 071500Z DEC. VESSELS IN VICINITY  
 REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
 REPORTS TO MRCC ROME, PHONE: 390 6592 4145.

(082305Z DEC 2002)

2712/02(24). SOUTH ATLANTIC. URUGUAY.  
 1. UNDERWATER OPERATIONS IN PROGRESS UNTIL 130300Z DEC  
 BY M/V ROU 22 OYARVIDE IN AREA BETWEEN 35-05S 35-09S  
 AND 055-17W 055-30W. 1.5 MILE BERTH REQUESTED.  
 2. CANCEL THIS MSG 130400Z DEC.

(090300Z DEC 2002)

2713/02(37). BAY OF BISCAY.  
 1. ODAS BUOY ADRIFT IN 46-36N 005-28W AT 090600Z DEC.  
 2. CANCEL HYDROLANT 2695/02(51).  
 3. CANCEL HYDROLANT 2710/02(35), AID RESTORED.  
 4. CANCEL THIS MSG 16 DEC.

(091559Z DEC 2002)

2715/02(37). DOVER STRAIT.  
 1. FISHING NET MARKED BY ORANGE FLOATS ADRIFT IN  
 51-04.7N 001-40.1E.  
 2. CANCEL HYDROLANT 2620/02, MINE AND BUOY REMOVED.  
 3. CANCEL HYDROLANT 2688/02, AID RESTORED.  
 4. CANCEL THIS MSG 17 DEC.

(100055Z DEC 2002)

2717/02(51). NORTH ATLANTIC.  
 1. SURVEY OPERATIONS IN PROGRESS UNTIL 12 DEC  
 BY M/V LE SUROIT IN AREA BETWEEN  
 20-00N 25-00N AND 016-00W 023-00W.  
 2. CANCEL HYDROLANT 2563/02.  
 3. CANCEL THIS MSG 13 DEC.

(100910Z DEC 2002)

2718/02(24). BRAZIL-SOUTH COAST.  
 1. SEISMIC SURVEY IN PROGRESS UNTIL 140200Z DEC  
 BY M/V VERITAS VIKING I TOWING 5400 METER  
 LONG CABLE IN AREA BETWEEN 23-50S 24-30S  
 AND 044-35W 043-50W. SIX MILE BERTH REQUESTED.  
 2. CANCEL THIS MSG 140300Z DEC.

(101105Z DEC 2002)

2719/02(24). BRAZIL-EAST COAST.  
 1. SEISMIC SURVEY IN PROGRESS UNTIL 140200Z DEC BY  
 M/V VERITAS VIKING II TOWING SIX 7408 METER  
 LONG CABLES IN AREA BETWEEN 19-06.5S 20-06.1S AND  
 038-31.5W 039-03.4W. SIX MILE BERTH REQUESTED.  
 2. CANCEL THIS MSG 140300Z DEC.

(101110Z DEC 2002)

### SECTION III

NM 52/02

2720/02(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 140159Z DEC  
BY M/V CGG ALIZE TOWING EIGHT 6000 METER  
LONG CABLES IN AREA BETWEEN 25-40S 26-50S  
AND 044-25W 045-15W. FIVE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 140259Z DEC.

(101115Z DEC 2002)

2721/02(24). BRAZIL-SOUTHEAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 140159Z DEC BY  
M/V CGG HARMATTAN TOWING EIGHT 4500 METER LONG  
CABLES IN AREA BETWEEN 22-35S 22-55S AND  
040-30W 041-00W. FOUR MILE BERTH REQUESTED.
2. CANCEL THIS MSG 140259Z DEC.

(101120Z DEC 2002)

2723/02(23.29). SOUTH ATLANTIC. ICE.

1. ICEBERGS REPORTED:
  - A. IN 47-21.0S 058-37.3W.
  - B. IN 47-23.2S 058-39.2W.
  - C. 400 METERS BY 500 METERS, IN 45-11.8S 059-04.7W.
  - D. 200 METERS BY 300 METERS, IN 44-59.8S 059-06.1W.
  - E. IN 43-08.0S 057-36.0W.
  - F. 200 METERS BY 60 METERS, IN 41-45.0S 056-56.0W.
  - G. 190 METERS BY 25 METERS, IN 47-15.8S 059-15.8W.
  - H. 700 METERS BY 50 METERS, IN 39-04.3S 055-33.5W.
  - I. 200 METERS BY 100 METERS, IN 38-42.4S 055-05.3W.
  - J. 500 METERS BY 700 METERS, IN 42-29.0S 056-44.0W.
  - K. IN AREA BETWEEN 63-12.8S 63-18.3S  
AND 060-34.1W 060-42.0W.
  - L. 30 TO 40, ONE AND TWO MILES, WITHIN 20 MILES  
OF 57-36.9S 043-48.9W.
  - M. WITHIN 20 MILES OF 58-46.9S 047-24.5W.
  - N. WITHIN 34 MILES OF 59-38.0S 050-10.0W.
  - O. WITHIN 60 MILES OF 60-30.0S 053-00.0W.
2. CANCEL HYDROLANT 2683/02.
3. CANCEL THIS MSG 18 DEC.

(110315Z DEC 2002)

2725/02(24). BRAZIL-SOUTHEAST COAST.

1. UNDERWATER OPERATIONS 140200Z TO 150159Z DEC BY  
M/V RIG SUPPORTER TOWING SUBMERSIBLE IN AREA  
BETWEEN 22-11S 21-20S AND 040-06W 039-58W.  
TWO MILE BERTH REQUESTED.
2. CANCEL THIS MSG 150259Z DEC.

(110920Z DEC 2002)

2726/02(24). BRAZIL-NORTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 14 DEC BY  
M/V RAMFORM EXPLORER TOWING EIGHT 6853 METER  
LONG CABLES IN AREA BOUND BY  
00-17.5S 043-42.8W, 00-29.0S 043-32.0W,  
00-51.7S 043-56.0W, 00-39.0S 044-06.8W.  
FIVE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 15 DEC.

(110940Z DEC 2002)

2727/02(24). BRAZIL-EAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 13 DEC BY  
M/V BULLDOG TOWING 15 METER LONG CABLE IN  
AREA BOUND BY 11-06.3S 037-05.3W,  
11-11.6S 036-57.4W, 11-12.4S 036-57.9W,  
11-07.1S 037-05.7W. WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 2724/02(54.56), FALSE ALERT.
3. CANCEL THIS MSG 14 DEC.

(110945Z DEC 2002)

2728/02(55). BLACK SEA.

1. CABLE OPERATIONS 12 DEC UNTIL FURTHER NOTICE  
BY CABLESHIP RAYMOND CROZE IN AREA BETWEEN  
43-10.5N 43-11.5N AND 028-17.4E 028-19.1E.  
TWO MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 2434/02(56).

(111150Z DEC 2002)

2729/02(37). DOVER STRAIT.

CHART 37121 (11TH ED).  
COLBART NORTH BUOY 50-58N 001-23E UNLIT.

(111601Z DEC 2002)

2730/02(37). ENGLAND-SOUTHWEST COAST.

SECTION III

CHART 37043 (17TH ED).

1. ST CATHERINES POINT LIGHT 50-19.7N 004-38.7W UNLIT.
2. CANCEL HYDROLANT 2722/02(36).

(111858Z DEC 2002)

2732/02(24). NORTH ATLANTIC.

1. RECOVERY OPERATIONS IN PROGRESS UNTIL 14 DEC  
BY M/V NEFTEGAZ 31 IN AREA BOUND BY  
07-44N 045-41W, 05-11N 045-40W,  
05-11N 048-33W, 07-42N 048-35W.  
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 15 DEC.

(120320Z DEC 2002)

2733/02(52). TUNISIA-NORTH COAST.

CHART 52184 (3RD ED).

1. ILES CANI LIGHT 37-21.2N 010-07.4E RANGE REDUCED  
TO 19 MILES.
2. CANCEL HYDROLANT 2631/02.

(121050Z DEC 2002)

2734/02(35,37). ENGLAND-EAST COAST.

CHART 35040 (18TH ED).

DGPS STATION AT FLAMBOROUGH HEAD LIGHT 54-07N 000-05W  
AT REDUCED POWER.

(121140Z DEC 2002)

2735/02(24,51). NORTH ATLANTIC. ROCKETS.

1. HAZARDOUS OPERATIONS 2000Z TO 0159Z COMMENCING DAILY  
17 DEC THRU 16 JAN IN AREAS:
  - A. WITHIN 12 MILES OF COASTLINE BETWEEN  
05-19N 052-47W AND 05-04N 052-30W.
  - B. BOUND BY 05-33N 049-39W, 05-25N 049-38W,  
05-16N 051-38W, 05-24N 051-39W.
  - C. BOUND BY 05-12N 043-32W, 04-52N 043-32W,  
04-57N 045-33W, 05-17N 045-32W.
  - D. BOUND BY 04-51N 040-43W, 04-35N 040-44W,  
04-45N 043-27W, 05-02N 043-26W.
  - E. BOUND BY 02-29N 021-32W, 02-06N 021-35W,  
02-49N 027-33W, 03-12N 027-31W.
2. CANCEL THIS MSG 170259Z JAN 03.

(121250Z DEC 2002)

## SECTION III

NM 52/02

### NAVAREA XII

2001 series

298/01(GEN). CANADA. 96 HOUR ADVANCE NOTIFICATION PRIOR TO ENTERING CANADIAN WATERS.

EFFECTIVE IMMEDIATELY, ALL VESSELS TO WHICH THE VTS ZONE REGULATIONS ARE APPLICABLE WHO INTEND ENTERING THE TERRITORIAL WATERS OF CANADA, FROM SEAWARD, ARE REQUIRED TO FILE A 96 HOUR ADVANCE NOTICE OF ARRIVAL REPORT OR AS SOON AS PRACTICAL WHERE THE ESTIMATED TIME OF ARRIVAL OF THE SHIP IN CANADIAN WATERS IS LESS THAN 96 HOURS AFTER THE TIME THE SHIP DEPARTED ITS LAST PORT OF CALL. THIS NEW REPORT WILL BE IN ADDITION TO THE CURRENT 24 HOUR ADVANCE REPORT CURRENTLY REQUIRED. REPORT FORMAT AND DELIVERY PROCESS WILL BE THE SAME FOR BOTH REPORTS. THIS WILL REMAIN IN EFFECT UNTIL FURTHER NOTICE.

(121845Z OCT 2001)

2002 series

178/02(GEN). UNITED STATES.

1. THE U.S. COAST GUARD HAS ESTABLISHED PROTECTION ZONES AROUND U.S. NAVAL VESSELS WITHIN U.S. NAVIGABLE WATERS.
2. NAVAL VESSEL PROTECTION ZONES ARE ESTABLISHED WITHIN 100 YARDS OF ANY U.S. NAVAL VESSEL. THIS INCLUDES ANY VESSEL OWNED, OPERATED, CHARTERED OR LEASED BY THE U.S. NAVY OR UNDER THE OPERATIONAL CONTROL OF THE U.S. NAVY.
3. VESSELS WITHIN 500 YARDS OF A U.S. NAVAL VESSEL SHALL OPERATE AT THE MINIMUM SPEED NECESSARY TO MAINTAIN A SAFE COURSE AND PROCEED AS DIRECTED BY THE OFFICIAL PATROL.
4. VIOLATING THE NAVAL VESSEL PROTECTION ZONE IS A FELONY OFFENSE, PUNISHABLE BY UP TO SIX YEARS IMPRISONMENT AND/OR UP TO \$250,000 IN FINES.
5. MARINERS MAY CONTACT U.S. COAST GUARD ON VHF CHANNEL 16 REGARDING THIS MSG.
6. CANCEL NAVAREA XII 264/01.

(141655Z JUN 2002)

260/02(GEN). ARABIAN GULF, RED SEA, GULF OF OMAN.

1. REPORTS HAVE BEEN RECEIVED THAT THE AL QAEDA TERRORIST GROUP HAS PLANNED ATTACKS AGAINST U.S. ASSETS. COALITION FORCES ARE ALERT TO THE POTENTIAL THREAT AND ARE CURRENTLY ON PATROL IN THE ARABIAN GULF, RED SEA AND GULF OF OMAN.
  2. MARINERS ARE ADVISED TO EXERCISE EXTREME CAUTION WHEN TRANSITING THE ARABIAN GULF, THE HORN OF AFRICA, THE STRAIT OF BAB-EL-MANDEB, THE STRAIT OF HORMUZ AND OTHER TRADITIONAL HIGH THREAT AREAS NEAR CONFINED WATERS WHICH RESTRICT THE ABILITY TO MANEUVER.
  3. U.S. FLAG MERCHANT VESSELS AND VESSELS UNDER U.S. CONTROL ARE REMINDED TO REVIEW NIMA PUB 117, PAGE 4-77, REQUESTS FOR U.S. NAVY ASSISTANCE IN EMERGENCY SITUATIONS.
  4. ANY ANTI-SHIPPING ACTIVITY SHOULD BE REPORTED TO NIMA NAVSAFETY, THE U.S. STATE DEPARTMENT, THE NEAREST U.S. EMBASSY OR CONSULATE (SEE NIMA PUB. 117 CHAPTER 4).
  5. MARINERS SHOULD OBTAIN AND EVALUATE CURRENT WARNING INFORMATION BROADCAST BY THE NATIONAL IMAGERY AND MAPPING AGENCY (NIMA) VIA HYDROPAC AND HYDROLANT BROADCASTS.
- MARAD ADVISORY 02-06 (111130Z SEP 02) REFERS.

(111730Z SEP 2002)

270/02(GEN). GPS SATELLITE SYSTEM.

PRN 21 UNUSABLE.

(252151Z SEP 2002)

333/02(19). NORTH PACIFIC. HAWAII. MISSILES.

1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2400Z DAILY MONDAY THRU SUNDAY IN THE PACIFIC MISSILE RANGE FACILITY, HAWAIIAN AREA, BARKING SANDS, KAUAI. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE 1600Z TO 0400Z DAILY MONDAY THRU FRIDAY. THE PACIFIC MISSILE RANGE FACILITY HAWAIIAN AREA (W188) IS BOUND BY:
  - A. 22-00.0N 159-51.0W.
  - B. 22-00.0N 160-00.0W THENCE CCW THREE MILES FROM
  - C. 22-02.7N 160-09.1W. NIIHAU/LEHUA.
  - D. 22-03.0N 160-21.0W.
  - E. 22-05.0N 161-35.0W THENCE CW 100 MILES FROM
  - F. 22-02.4N 159-47.3W. BARKING SANDS TACAN.
  - G. 22-45.0N 161-25.0W.
  - H. 22-56.0N 161-49.0W THENCE CW 125 MILES FROM
  - I. 22-02.4N 159-47.3W. BARKING SANDS TACAN.
  - J. 23-57.0N 160-41.0W.
  - K. 25-41.0N 161-36.0W THENCE CW 240 MILES FROM
  - L. 22-02.4N 159-47.3W. BARKING SANDS TACAN.
  - M. 25-47.0N 158-15.0W.
  - N. 23-54.0N 158-15.0W.

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- O. 22-20.0N 159-09.0W THENCE CCW 25 MILES FROM  
 P. 21-58.1N 159-20.5W. LIHUE VORTAC.  
 Q. 22-13.0N 159-42.0W THENCE CCW THREE MILES AND PARALLEL  
 TO THE SHORELINE OF KAUAI.  
 R. 22-00.0N 159-51.0W.
2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT "MISSILE RANGE BARKING SANDS" ON 2182 KHZ, 4491 USB OR 156.8 MHZ (CHANNEL 16) BEFORE ENTERING THE ABOVE BOUNDARIES. IF UNABLE TO CONTACT THE PACIFIC MISSILE RANGE FACILITY PRIOR TO ENTERING OR WHILE IN THE WARNING AREA, RELAY MESSAGES THROUGH U.S. COAST GUARD HONOLULU.
3. VESSELS INBOUND AND OUTBOUND FOR HAWAIIAN PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS AS WELL AS ENHANCE THE VESSEL'S SAFETY BY PASSING SOUTH OF THE ISLANDS OF KAUAI AND NIIHAU DURING SPECIFIED TIMES.
4. CANCEL NAVAREA XII 311/02.

(260950Z NOV 2002)

339/02(GEN). GPS SATELLITE SYSTEM.  
 PRN 22 UNUSABLE.

(031635Z DEC 2002)

345/02(GEN).

1. NAVAREA XII MESSAGES IN FORCE 071000Z DEC 2002. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
 2002 SERIES: 333(19), 339(GEN), 341(18), 342(18,19),  
 343(GEN), 344(18).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 13 DEC 2001 IS GIVEN IN SEC III OF NM 52/01. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/02, 26/02 AND 39/02.
3. CANCEL NAVAREA XII 336/02.

(071020Z DEC 2002)

347/02(18). NORTH PACIFIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 1348Z TO 1533Z DAILY 15 THRU 17 DEC IN AREAS BOUND BY:
- A. 34-26N 120-39W, 34-26N 120-42W,  
 34-38N 120-39W, 34-37N 120-35W.
  - B. 25-52N 123-32W, 29-18N 122-37W,  
 29-07N 121-47W, 25-41N 122-43W.
  - C. 21-02N 124-32W, 24-17N 123-44W,  
 24-11N 123-17W, 20-57N 124-06W.
2. CANCEL THIS MSG 171633Z DEC.

(110100Z DEC 2002)

349/02(18). EASTERN NORTH PACIFIC. MISSILES.

1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2359Z DAILY MONDAY THRU SUNDAY IN THE NAVAL AIR WARFARE CENTER SEA RANGE. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE 1400Z TO 2359Z AND 0001Z TO 0200Z DAILY MONDAY THRU FRIDAY. THE SEA RANGE IS BOUND AS FOLLOWS:
- |                    |   |
|--------------------|---|
| A. 34-02N 119-04W. | M. THENCE THREE NAUTICAL MILES<br>FROM AND PARALLEL |
| B. 33-52N 119-06W. | TO THE SHORELINE.                                   |
| C. 33-29N 119-07W. | N. 34-24N 120-30W.                                  |
| D. 33-29N 118-37W. | O. 34-08N 120-26W.                                  |
| E. 33-20N 118-37W. | P. 34-08N 119-40W.                                  |
| F. 32-11N 120-16W. | Q. 34-00N 119-40W.                                  |
| G. 31-54N 121-35W. | R. 34-06N 119-13W.                                  |
| H. 35-09N 123-39W. | S. 34-06N 119-11W.                                  |
| I. 35-29N 123-00W. | T. 34-07N 119-10W.                                  |
| J. 35-04N 122-43W. | U. 34-07N 119-07W.                                  |
| K. 35-57N 121-32W. | V. 34-04N 119-04W.                                  |
| L. 34-59N 120-42W. |   |
2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT PLEAD CONTROL ON 5081.5 KHZ (5080 KHZ) OR 3238.5 KHZ (3237 KHZ) SECONDARY OR 156.8 MHZ (CH 16) OR 127.55 MHZ BEFORE ENTERING THE ABOVE BOUNDARIES AND MAINTAIN CONTINUOUS GUARD WHILE WITHIN THE RANGE.
3. VESSELS INBOUND AND OUTBOUND FOR SOUTHERN CALIFORNIA PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS DURING THE SPECIFIC PERIODS, AS WELL AS ENHANCE THE VESSEL'S SAFETY WHEN PASSING THROUGH THE VICINITY OF THE SEA RANGE. IF THEY WILL TRANSIT VIA THE SANTA BARBARA CHANNEL AND WITHIN NINE MILES OFFSHORE VICINITY OF POINT MUGU OR CROSS THE AREA SOUTHWEST OF SAN NICOLAS ISLAND BETWEEN SUNSET AND SUNRISE.
4. CANCEL NAVAREA XII 341/02.

(120940Z DEC 2002)

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NM 52/02

#### HYDROPOACS

##### 2000 series

597/00(73). PAPUA NEW GUINEA-SOUTH COAST.  
CHART 73580 (4TH ED).  
IDIHI ISLAND LIGHT 09-26S 146-53E UNRELIABLE.

(200905Z APR 2000)

1557/00(94). EAST CHINA SEA.  
CHART 94016 (2ND ED).  
SUPERBUOY ODAS 28-10N 126-20E REMOVED.

(231237Z OCT 2000)

##### 2001 series

1556/01(71). SOUTH CHINA SEA.  
CHART 71420 (1ST ED).  
10.8 METER SHOAL IN 02-01.4S 107-07.9E.

(271427Z SEP 2001)

1636/01(96). KAMCHATKA-EAST COAST. ORDNANCE.  
CHART 96500 (6TH ED).  
UNEXPLODED ORDNANCE IN:  
A. 52-54.60N 159-09.10E.  
B. 52-57.83N 159-14.99E.

(110920Z OCT 2001)

1647/01(GEN). CANADA. 96 HOUR ADVANCE NOTIFICATION PRIOR  
TO ENTERING CANADIAN WATERS.

EFFECTIVE IMMEDIATELY, ALL VESSELS TO WHICH THE VTS ZONE  
REGULATIONS ARE APPLICABLE WHO INTEND ENTERING THE TERRITORIAL  
WATERS OF CANADA, FROM SEAWARD, ARE REQUIRED TO FILE A 96 HOUR  
ADVANCE NOTICE OF ARRIVAL REPORT OR AS SOON AS PRACTICAL WHERE  
THE ESTIMATED TIME OF ARRIVAL OF THE SHIP IN CANADIAN WATERS IS  
LESS THAN 96 HOURS AFTER THE TIME THE SHIP DEPARTED ITS LAST PORT  
OF CALL. THIS NEW REPORT WILL BE IN ADDITION TO THE CURRENT 24  
HOUR ADVANCE REPORT CURRENTLY REQUIRED. REPORT FORMAT AND DELIVERY  
PROCESS WILL BE THE SAME FOR BOTH REPORTS. THIS WILL REMAIN IN  
EFFECT UNTIL FURTHER NOTICE.

(121855Z OCT 2001)

1976/01(62). PERSIAN GULF.  
CHART 62530 (5TH ED).  
AL ARABIYAH LIGHT 27-47N 050-10E UNLIT.

(041155Z DEC 2001)

2062/01(61). SOUTH INDIAN OCEAN. CHAGOS BANK.  
CHART 61610 (7TH ED).

1. A UNITED STATES MILITARY AIRCRAFT CARRYING UNEXPLODED ORDNANCE HAS FALLEN INTO THE SEA INSIDE THE AREA OF THE CHAGOS BANK IN AREA BETWEEN 06-21.3S 06-31.3S AND 072-18.4E 072-28.5E.
2. THE WRECKAGE AND UNEXPLODED ORDNANCE MAY CREATE A HAZARD TO NAVIGATION AND ALL MARINERS ARE ADVISED TO STAY WELL CLEAR OF THE AREA.
3. THE AIRCRAFT, AND ALL ARTICLES AND EQUIPMENT ASSOCIATED WITH IT, REMAIN THE SOVEREIGN PROPERTY OF THE UNITED STATES AND SHOULD NOT BE DISTURBED OR REMOVED WITHOUT THE EXPRESS PERMISSION OF THE U.S GOVERNMENT.
4. A DETERMINATION TO RECOVER THE AIRCRAFT AND ITS CONTENTS WILL BE MADE BY THE U.S. GOVERNMENT. IF ANY WRECKAGE ASSOCIATED WITH THE AIRCRAFT IS FOUND, IT SHOULD BE IMMEDIATELY TURNED OVER TO THE NEAREST U.S. GOVERNMENT REPRESENTATIVE.

(181445Z DEC 2001)

##### 2002 series

146/02(62). PERSIAN GULF. SAUDI ARABIA.  
CHART 62455 (7TH ED).  
1. RACON AT FAIRWAY BUOY 27-18.5N 050-03.0E INOPERATIVE.  
2. CANCEL HYDROPOAC 140/02(81), SIGNAL CEASED.

(242056Z JAN 2002)

196/02(61). CHAGOS ARCHIPELAGO. ORDNANCE.  
EMERGENCY ORDNANCE JETTISON AREA ESTABLISHED UNTIL  
FURTHER NOTICE WITHIN 100 YARDS OF TRACKLINE BETWEEN  
06-56.17S 073-09.52E AND 06-33.25S 073-54.24E.

(311340Z JAN 2002)

205/02(GEN). IRAQ EMBARGO.  
PART 1 OF 2. REFER TO 206/02 FOR PART 2.  
1. SUMMARY: THE NAVAL INTERCEPTION EFFORT IN SUPPORT OF THE UNITED NATIONS SANCTIONS PERTAINING TO IRAQ CONTINUES IN THE ARABIAN

### SECTION III

GULF AND OTHER AREAS WHERE VESSELS ARE INBOUND TO OR OUTBOUND FROM IRAQ. CARGO BOUND FOR AQABA OR TRANSSHIPMENT FROM AQABA WILL NORMALLY BE INSPECTED ASHORE BY A TEAM CONSISTING OF LLOYD'S REGISTER AND THE AQABA PORT AUTHORITY. VESSELS TRaversing THE NORTHERN ARABIAN GULF, THE SHATT AL-ARAB WATERWAY OR KHAWR ABD-ALLAH WATERWAY SHOULD EXPECT TO BE QUERIED AND IF BOUND FOR OR DEPARTING IRAQI PORTS, BOARDED BY MULTINATIONAL NAVAL UNITS ENFORCING UNITED NATIONS SANCTIONS. DOCUMENTATION REQUIREMENTS FOR THE OFFICIALS IN AQABA AND THE NAVAL UNITS IN THE ARABIAN GULF ARE IDENTICAL. IRAQ-BOUND CARGOES OTHER THAN APPROVED FOOD, MEDICAL SUPPLIES OR HUMANITARIAN ITEMS WILL NOT BE ALLOWED TO PASS. VESSELS NOT IN POSSESSION OF APPROPRIATE AUTHORIZATION LETTERS FROM THE UNITED NATIONS MAY BE SUBJECT TO DELAY UNTIL PROPER DOCUMENTATION IS OBTAINED. ALL GOODS SENT INTO IRAQ UNDER THE OIL-FOR-FOOD PROGRAM REQUIRE A UNITED NATIONS AUTHORIZATION LETTER. ALL GOODS SENT LEGALLY INTO IRAQ OUTSIDE THE OIL-FOR-FOOD PROGRAM, WITH THE EXCEPTION OF FOOD AND MEDICINE, REQUIRE A UNITED NATIONS AUTHORIZATION LETTER. FOOD AND MEDICINE ARE NOT SUBJECT TO UNITED NATIONS SANCTIONS AND ARE NOT REQUIRED TO HAVE A UNITED NATIONS AUTHORIZATION LETTER UNLESS THEY ARE BEING SENT IN UNDER THE OIL-FOR-FOOD PROGRAM.

2. UNITED NATIONS SECURITY COUNCIL RESOLUTION 986 AND SUBSEQUENT RESOLUTIONS, THE OIL-FOR-FOOD PROGRAM: THE IMPLEMENTATION OF OIL-FOR-FOOD DOES NOT AFFECT THE MISSION OF THE MULTINATIONAL FORCES OPERATING UNDER THE AUTHORITY OF UNSCR 661 (1990), UNSCR 665 (1990), AND OTHER RELEVANT RESOLUTIONS. THE OPERATING PROCEDURES SET FORTH IN THIS NOTICE ACCOUNT FOR THE REQUIREMENTS OF UNSCR 986 AND SUBSEQUENT RESOLUTIONS. SHIPS TRaversing THE ENFORCEMENT AREA IN THE ARABIAN GULF SHOULD EXPECT DELAYS STEMMING FROM MARITIME INTERCEPTION OPERATIONS. STRICT ADHERENCE TO THE PROCEDURES IN THIS NOTICE WILL MINIMIZE ANY DELAYS ASSOCIATED WITH SEaborne INSPECTIONS.
3. THE FOLLOWING REQUIREMENTS ARE IN EFFECT FOR ALL IRAQ-BOUND SHIPPING TRaversing THE MARITIME INTERCEPTION OPERATIONS AREA IN THE ARABIAN GULF:
  - A. NOTIFICATION: A MINIMUM OF 72 HOURS ADVANCE NOTIFICATION IS REQUIRED PRIOR TO ARRIVAL AT THE ENFORCEMENT AREA. CONTACT THE MARITIME INTERCEPTION FORCES (MIF) COORDINATOR, U.S. NAVAL FORCES, CENTRAL COMMAND (BAHRAIN) BY FAX: 973 724 344 OR 973 724 334 OR LETTER (SEE PARAGRAPH 8). THE FOLLOWING INFORMATION MUST BE INCLUDED:
    - (1) VESSEL NAME.
    - (2) VESSEL FLAG.
    - (3) INTERNATIONAL RADIO CALL SIGN.
    - (4) ITINERARY, INCLUDING PORT OF CARGO ORIGIN.
    - (5) DESCRIPTION OF CARGO.
    - (6) VOLUME OF CARGO.
    - (7) NUMBER OF HOLDS.
    - (8) DIMENSIONS OF HOLDS.
    - (9) IDENTIFICATION OF THE VESSEL'S SHIPPING AGENT.
    - (10) IDENTIFICATION OF THE VESSEL'S OWNERS.
    - (11) IF REQUIRED (REFER TO PARAGRAPH 1), UNITED NATIONS SECURITY COUNCIL LETTER SHOWING SERIAL NUMBER, ISSUE DATE AND EXPIRATION DATE.
    - (12) ESTIMATED ARRIVAL DATE AND TIME AT THE CHECKPOINT (SEE PARAGRAPH 3.C).
  - B. CARGO CONFIGURATION: ALL CARGO MUST BE ACCESSIBLE FOR INSPECTION AT SEA. CARGO CARRIERS ARE RESPONSIBLE FOR LOADING CARGOES TO ENSURE ACCESSIBILITY. THE FOLLOWING SPECIFIC GUIDANCE APPLIES:
    - (1) CONTAINERIZED CARGO: CARGO CONTAINERS MUST NOT BE STACKED MORE THAN THREE HIGH FROM THE DECK. AS A SAFETY PRECAUTION TO PROTECT INSPECTION TEAMS, CONTAINERS STACKED MORE THAN THREE HIGH WILL BE CONSIDERED INACCESSIBLE. THIS PROVISION APPLIES TO BOTH INTERNAL AND DECK-LOADED CONTAINERS.
    - (2) BREAK BULK: PACKAGED OR BAGGED CARGO MUST BE LOADED IN A MANNER WHICH PERMITS THOROUGH INSPECTION. PALLETIZED ROWS OF CARGO REQUIRE ADEQUATE SEPARATION TO ALLOW FOR SAFE ACCESS.
    - (3) LOOSE BULK: LOOSE BULK CARGO MUST BE ACCESSIBLE FOR PHYSICAL AND VISUAL INSPECTION, VERIFICATION OF MEASUREMENT SOUNDS AND SAMPLING. HATCH COVERS MUST BE OPENED TO ALLOW FOR THOROUGH INSPECTION.
    - (4) IF A VESSEL'S CARGO IS DEEMED INACCESSIBLE FOR INSPECTION, THE VESSEL MAY BE DIRECTED TO RETURN TO A PORT WHERE ACCEPTABLE CARGO LOADING CAN BE ARRANGED.
  - C. CHECKPOINT: VESSELS BOUND FOR OR DEPARTING FROM IRAQI PORTS OR THE MINA AL-BAKR OIL TERMINAL MUST PASS WITHIN A FIVE NAUTICAL MILE RADIUS OF LATITUDE TWENTYNINE DEGREES TWELVE MINUTES NORTH AND LONGITUDE FORTYNINE DEGREES TWENTY MINUTES EAST (29-12N 049-20E). APPROACHING VESSELS SHOULD CONTACT THE MIF COMMANDER ON BRIDGE-TO-BRIDGE RADIO, CHANNEL 16, WHEN WITHIN FIVE NAUTICAL MILES OF THIS POINT.

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VESSELS WILL NOT BE PERMITTED TO PROCEED FROM THIS POINT UNTIL CLEARED BY THE MIF COMMANDER. VESSELS CONTAINING CARGOES FOR DESTINATIONS OTHER THAN IRAQ WILL NOT BE ALLOWED PASSAGE INTO IRAQ.  
D. VESSEL TONNAGE LIMIT: VESSELS UNDER 30,000 DWT WILL NOT BE AUTHORIZED TO PROCEED TO MINA AL-BAKR FOR THE PURPOSE OF LOADING PETROLEUM CARGOES.

(011315Z FEB 2002)

206/02(GEN). IRAQ EMBARGO.

PART 2 OF 2. REFER TO 205/02 FOR PART 1.

- E. DOCUMENTATION: VESSEL DOCUMENTATION MUST CONFORM TO THE FOLLOWING REQUIREMENTS:
- (1) AN ORIGINAL MANIFEST LIST, DESCRIBING THE CARGO AS WELL AS ITS LOCATION IN THE SHIP, MUST BE ON BOARD. THE ORIGINAL MANIFEST MUST INCLUDE THE PORT OF ORIGIN, PORTS OF CALL, COMPLETE BUSINESS NAMES AND ADDRESSES OF ALL SHIPPERS AND CONSIGNEES AND A FINAL DESTINATION OF ALL CARGO. A COMPLETE BUSINESS ADDRESS MUST INCLUDE EITHER THE STREET ADDRESS, A PROMINENT IDENTIFIABLE GEOGRAPHIC LOCATION OR A POST OFFICE BOX PLUS A TELEPHONE NUMBER OR FAX NUMBER.
  - (2) CARGO ADDRESSED TO A FREE-TRADE ZONE MUST HAVE THE NAME, ADDRESS, TELEPHONE OR FAX NUMBER OF THE CONSIGNEE TAKING CUSTODY OF THE CONTAINER OR CARGO.
  - (3) CONSIGNEE NAMES AND ADDRESSES ON ALL CARGO MUST MATCH THE MANIFEST.
  - (4) THE MANIFEST MUST BE SIGNED IN THE ORIGINAL BY THE VESSEL'S MASTER OR CHIEF MATE. THE MANIFEST MAY BE ON SHIPPER'S LETTERHEAD, FAX, PHOTOCOPY OR COMPUTER PRINTOUT, BUT IT MUST BEAR AN ORIGINAL SIGNATURE, CONTAIN ALL THE INFORMATION LISTED ABOVE AND OTHERWISE COMPLY WITH NORMAL MARITIME TRANSPORT PRACTICE.
  - (5) THE ORIGINAL MANIFEST MAY CONSIST OF MORE THAN ONE DOCUMENT IF THERE ARE AMENDMENTS THAT LIST CARGO DROPPED OFF AT A GIVEN PORT OR CORRECT THE ORIGINAL MANIFEST. THESE AMENDMENTS MAY ORIGINATE FROM THE SHIPPER OR CARRIER. SINCE ADDITIONAL DOCUMENTS MAY BE TRANSMITTED TO A VESSEL BY SUCH MEANS AS TELEGRAM OR FAX, THEY NEED NOT BEAR AN ORIGINAL SIGNATURE. HOWEVER, THE MASTER IS REQUIRED TO CERTIFY IN WRITING THAT THE AMENDED MANIFEST ACCURATELY REFLECTS WHAT IS ON BOARD THE VESSEL. THE UNDERLYING REQUIREMENTS ARE FOR ACCURATE DOCUMENTATION OF CARGO AND DESTINATION AND FOR A HIGH DEGREE OF CONFIDENCE THAT THE DOCUMENTS ARE AUTHENTIC.
  - (6) IF APPLICABLE, THE CARGO DOCUMENTATION MUST INCLUDE A COPY OF THE AUTHORIZATION ISSUED BY THE U.N. PURSUANT TO UNSCR 661 OR UNSCR 986 AND SUBSEQUENT RESOLUTIONS. REFER TO PARAGRAPH 1 ABOVE FOR SPECIFIC AUTHORIZATION REQUIREMENTS.
4. VESSEL PRE-CLEARANCE:
- A. OIL TANKERS INBOUND TO THE MINA AL-BAKR TERMINAL PURSUANT TO U.N. AUTHORIZATION UNDER UNSCR 986 AND SUBSEQUENT RESOLUTIONS WILL NORMALLY BE AUTHORIZED TO PROCEED UNINTERRUPTED THROUGH THE CHECKPOINT DESCRIBED IN PARAGRAPH 3.C. ADVANCE NOTIFICATION AND CHECK-IN ON CHANNEL 16 ARE STILL REQUIRED.
  - B. VESSELS TRANSPORTING BULK HUMANITARIAN CARGOES ARE INVITED TO CONTACT THE MIF COORDINATOR PRIOR TO SAILING TO EXPLORE PRE-CLEARANCE OPTIONS WHICH USE VOYAGE MONITORING METHODS AND CARGO LOADING CERTIFICATION FROM APPROVED AGENTS. THE MIF COORDINATOR MAY CONSIDER ALTERNATE PRE-CLEARANCE PROCEDURES ON A CASE-BY-CASE BASIS.
  - C. NOTWITHSTANDING THE PRE-CLEARANCE OPTIONS DISCUSSED ABOVE, THE MULTINATIONAL NAVAL FORCES RETAIN THE RIGHT UNDER UNSCR 665 AND OTHER RELEVANT RESOLUTIONS TO CONDUCT DOCUMENT CHECKS AND AT-SEA INSPECTIONS OF ANY VESSEL WHEN DEEMED NECESSARY.
5. INCOMPLETE DOCUMENTATION: IRAQ-BOUND VESSELS WHICH ARE DETERMINED TO HAVE INCOMPLETE CARGO MANIFESTS OR TO BE OTHERWISE IN VIOLATION OF REQUIREMENTS LISTED IN THIS ADVISORY, MAY BE DETAINED BY THE NAVAL FORCES OR DIVERTED TO A NON-IRAQ PORT UNTIL APPROPRIATE CONDITIONS ARE MET.
6. PETROLEUM EXPORTS AND BUNKER FUEL NOT APPROVED BY THE U.N.: OUTBOUND VESSELS ARE SUBJECT TO SEARCH BY THE MIF. IF AN INTERCEPTED VESSEL IS SUSPECTED TO BE CARRYING A CARGO OF IRAQI PETROLEUM, PETROLEUM PRODUCTS OR HAS TAKEN ON IRAQI BUNKER FUEL WITHOUT U.N. AUTHORIZATION, THE MIF WILL TAKE CARGO AND BUNKER FUEL SAMPLES FOR LABORATORY ANALYSIS, EXAMINATION, AND COMPARISON WITH IRAQI CONTROL SAMPLES. VESSELS SUSPECTED OF VIOLATING U.N. SANCTIONS MAY BE DETAINED, AND IF IT IS DETERMINED THAT A PETROLEUM CARGO IS OF IRAQI ORIGIN, THE CARGO WILL BE SEIZED AND DISPOSED OF IN ACCORDANCE WITH UNSCR 778. IN SUCH CASES THE VESSEL ITSELF AND CREW MAY BE SUBJECT TO ENFORCEMENT ACTIONS BY AN ACCEPTING U.N. MEMBER STATE.
7. CRUISE AND PASSENGER SHIPS: CRUISE OR PASSENGER SHIPS

## SECTION III

TRAVERSING THE MIF ENFORCEMENT AREA WILL BE SUBJECT TO THE FOLLOWING REQUIREMENTS:

- A. VESSELS WITH NO COMMERCIAL CARGO CARRYING CAPACITY MAY ARRANGE FOR AN EXPEDITIOUS TRANSIT THROUGH THE ENFORCEMENT AREA BY FORWARDING CERTIFICATION FROM A MEMBER OF THE INTERNATIONAL ASSOCIATION OF CLASSIFICATION SOCIETIES (IACS) THAT THE SHIP HAS NO SUCH CAPACITY. THE CERTIFICATION MUST BE SENT BY LETTER OR FAX AT LEAST SIXTY DAYS PRIOR TO TRANSIT.
- B. A PASSENGER VESSEL ARRIVING IN THE ENFORCEMENT AREA WHICH HAS NOT COMPLIED WITH THE REQUIREMENTS OF PARAGRAPH 7.A WILL BE BOARDED AND INSPECTED DURING DAYLIGHT HOURS. IF IT IS DETERMINED THAT THE VESSEL HAS NO COMMERCIAL CARGO CARRYING CAPACITY, ITS IDENTIFICATION WILL BE RECORDED SO THAT IT MAY BE VISUALLY IDENTIFIED AND NOT BOARDED DURING SUBSEQUENT TRANSITS.
- 8. FOR MERCHANT ADVISORY UPDATES, VESSELS SHOULD CONTACT THE COMMANDER, U.S. NAVAL FORCES CENTRAL COMMAND, MARITIME INTERCEPTION COORDINATOR (N31CG), FPO AE 09501 6008, PHONE: 973 724 839 OR 973 724 841.  
FAX: 973 724 344 OR 973 724 334,
- 9. CANCEL HYDROPAC 170/01 AND 171/01.

(011320Z FEB 2002)

207/02(93). VIETNAM-SOUTHEAST COAST.  
CHART 93340 (4TH ED).  
DANGEROUS WRECK IN 08-41.0N 105-33.7E.

(011430Z FEB 2002)

352/02(73). NEW GUINEA-SOUTHEAST COAST.  
CHART 73601 (3RD ED).  
SHORTLAND REEF LIGHT 10-30.7S 151-07.8E UNLIT.

(241505Z FEB 2002)

403/02(72,73). INDIAN OCEAN. SUMBA-NORTH COAST.  
CHART 73041 (2ND ED).  
TANJUNG SASAR LIGHT 09-17.0S 119-55.9E UNLIT.

(051538Z MAR 2002)

637/02(75). AUSTRALIA-BASS STRAIT.  
CHART 75220 (12TH ED).  
THE TRAFFIC SEPARATION SCHEME IN THE BASS STRAIT TEMPORARILY AMENDED:  
1. SEPARATION ZONE SIX MILES WIDE ALONG CENTERLINE JOINING:  
A. 38-43-18S 148-21-44E.  
B. 38-46-14S 148-16-27E.  
C. 38-48-14S 148-10-15E.  
2. OUTSIDE LIMIT FOR WESTBOUND TRAFFIC JOINING:  
A. 38-38-24S 148-17-35E.  
B. 38-41-42S 148-13-16E.  
C. 38-42-42S 148-07-23E.  
3. OUTSIDE LIMIT FOR EASTBOUND TRAFFIC JOINING:  
A. 38-53-50S 148-13-06E.  
B. 38-51-37S 148-20-10E.  
C. 38-48-18S 148-26-15E.

(050720Z APR 2002)

753/02(62). PERSIAN GULF. IRAN.  
CHART 62521 (3RD ED).  
STIFFE BANK LIGHTVESSEL 26-25N 053-07E MISSING.

(221600Z APR 2002)

787/02(71). STRAIT OF MALACCA.  
CHART 71305 (2ND ED).  
LIGHT, FL(2) W 10 SEC 16 MILES ESTABLISHED IN  
05-41-05N 098-56-19E.

(262230Z APR 2002)

828/02(62). GULF OF SUEZ.  
1. AIDS TO NAVIGATION IN THE GULF OF SUEZ ARE REPORTED UNRELIABLE. AIDS MAY BE MISSING, UNLIT OR OFF STATION. VESSELS SHOULD NAVIGATE WITH PARTICULAR CAUTION.  
MARINERS ARE REQUESTED TO SEND REPORTS TO NIMA MARITIME SAFETY INFORMATION CENTER, FAX: 310 227 3175, DSN FAX: 287 3175 OR EMAIL: NAVNOTICES@NIMA.MIL.  
2. CANCEL HYDROPAC 1842/00.

(020750Z MAY 2002)

1078/02(72). INDONESIA. MAKASSAR STRAIT.  
CHART 72094 (2ND ED).  
15.5 METER DEPTH REPORTED IN 02-03.0S 116-58.5E.

(111310Z JUN 2002)

### SECTION III

NM 52/02

1147/02(92). SULU SEA.

SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY  
M/V BAKI AND M/V RENEGADE TOWING 6000 METER LONG  
CABLE IN AREAS BETWEEN:  
A. 07-45N 09-50N AND 118-30E 119-30E.  
B. 09-30N 10-25N AND 119-40E 120-15E.

(201530Z JUN 2002)

1315/02(62). ARABIAN SEA.

1. SURVEY OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE  
BY M/V OCEAN VOYAGER TOWING 6000 METER LONG CABLE  
VICINITY OF TRACKLINE BETWEEN 24-03N 060-50E AND  
24-25N 061-00E. THREE MILE BERTH REQUESTED.  
2. CANCEL HYDROGRAPHIC 1301/02(81), SIGNAL CEASED.

(180655Z JUL 2002)

1588/02(75). TASMANIA-SOUTH COAST.

CHART 75185 (2ND ED).  
CAPE BRUNY LIGHT 43-29.7S 147-08.8E UNLIT.

(011818Z SEP 2002)

1661/02(GEN). ARABIAN GULF, RED SEA, GULF OF OMAN.

1. REPORTS HAVE BEEN RECEIVED THAT THE AL QAEDA TERRORIST GROUP  
HAS PLANNED ATTACKS AGAINST U.S. ASSETS. COALITION FORCES ARE  
ALERT TO THE POTENTIAL THREAT AND ARE CURRENTLY ON PATROL IN  
THE ARABIAN GULF, RED SEA AND GULF OF OMAN.  
2. MARINERS ARE ADVISED TO EXERCISE EXTREME CAUTION WHEN  
TRANSITING THE ARABIAN GULF, THE HORN OF AFRICA, THE STRAIT  
OF BAB-EL-MANDEB, THE STRAIT OF HORMUZ AND OTHER TRADITIONAL  
HIGH THREAT AREAS NEAR CONFINED WATERS WHICH RESTRICT THE  
ABILITY TO MANEUVER.  
3. U.S. FLAG MERCHANT VESSELS AND VESSELS UNDER U.S. CONTROL ARE  
REMINDED TO REVIEW NIMA PUB 117, PAGE 4-77, REQUESTS FOR  
U.S. NAVY ASSISTANCE IN EMERGENCY SITUATIONS.  
4. ANY ANTI-SHIPPING ACTIVITY SHOULD BE REPORTED TO NIMA NAVSAFETY,  
THE U.S. STATE DEPARTMENT, THE NEAREST U.S. EMBASSY OR  
CONSULATE (SEE NIMA PUB. 117 CHAPTER 4).  
5. MARINERS SHOULD OBTAIN AND EVALUATE CURRENT WARNING  
INFORMATION BROADCAST BY THE NATIONAL IMAGERY AND MAPPING  
AGENCY (NIMA) VIA HYDROGRAPHIC AND HYDROLANT BROADCASTS.  
MARAD ADVISORY 02-06 (111130Z SEP 02) REFERS.

(111731Z SEP 2002)

1757/02(GEN). GPS SATELLITE SYSTEM.

PRN 21 UNUSABLE.

(252159Z SEP 2002)

1765/02(71). MALACCA STRAIT.

CHART 71295 (2ND ED).  
ANGSA BANK LIGHT 03-20N 101-00E TEMPORARILY REPLACED BY  
NORTH CARDINAL BUOY.

(261345Z SEP 2002)

1842/02(22). PERU.

CHART 22120 (3RD ED).  
PUNTA PARINAS LIGHT 04-40.2S 081-19.7W UNLIT.

(032214Z OCT 2002)

1843/02(22). PERU.

CHART 22012 (31ST ED).  
LA CONCORDIA LIGHT 18-20-48.2S 070-22-27.0W UNLIT.

(032221Z OCT 2002)

1881/02(81,91,97). NORTH PACIFIC.

1. UNDERWATER OPERATIONS 13 OCT THRU 15 DEC BY  
M/V HAKUREI MARU NO. 2 IN AREA BOUND BY  
30-00N 132-00E, 30-00N 137-00E,  
20-00N 137-00E, 20-00N 128-00E,  
25-00N 128-00E.  
2. CANCEL THIS MSG 16 DEC.

(081359Z OCT 2002)

1893/02(74). AUSTRALIA-NORTHEAST COAST.

CHART 74281 (7TH ED).  
1. RACON (G) ESTABLISHED AT PIPER REEF LIGHT 12-15.1S 143-14.9E.  
2. CANCEL HYDROGRAPHIC 1890/02.

(100920Z OCT 2002)

1971/02(63). INDIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 31 DEC BY

## SECTION III

M/V SAGAR SANDHANI TOWING TWO 6500 METER  
 LONG CABLES IN AREA BOUND BY  
 19-27N 072-00E, 19-27N 072-26E,  
 18-58N 072-20E, 18-58N 072-00E.  
 WIDE BERTH REQUESTED.  
 2. CANCEL THIS MSG 01 JAN 03.

(220750Z OCT 2002)

2038/02(81,97). NORTH PACIFIC.  
 DISTRESS SIGNAL RECEIVED ON 243 MHZ IN 26-05-13N 155-03-46E  
 AT 311309Z OCT. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP  
 LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO JAPAN COAST GUARD.

(311425Z OCT 2002)

2040/02(63). INDIA-NORTHEAST COAST.  
 1. SEISMIC SURVEY IN PROGRESS UNTIL 31 JAN BY  
 M/V SEACOR EXPLORER, M/V PACIFIC TITAN,  
 M/V OIL OSPREY AND M/V MUGSY TOWING  
 10000 METER LONG CABLE IN AREAS BOUND BY:  
 A. 21-17N 088-03E, 21-17N 088-23E,  
 21-09N 088-30E, 21-01N 088-28E,  
 21-00N 088-16E, 21-02N 088-00E,  
 21-07N 087-55E, 21-12N 087-57E.  
 B. 21-08N 088-47E, 21-02N 088-35E,  
 21-00N 088-45E.  
 WIDE BERTH REQUESTED.  
 2. CANCEL THIS MSG 01 FEB 03.

(010450Z NOV 2002)

2047/02(GEN). MARIANA ISLANDS TO MAURITIUS.  
 48 FOOT S/V SHANGRI LA, MAROON AND WHITE HULL, FOUR PERSONS  
 ON BOARD, OVERDUE COCOS ISLANDS TO MAURITIUS. VESSELS IN  
 VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
 REPORTS TO RCC ALAMEDA, TELEX: 23 017 2343, PHONE: 510 437 3701.

(020145Z NOV 2002)

2056/02(76,83). SOUTH PACIFIC.  
 DISTRESS SIGNAL RECEIVED ON 121.5 MHZ VICINITY 37-26S 171-43W.  
 VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,  
 ASSIST IF POSSIBLE. REPORTS TO MARITIME OPERATIONS NEW ZEALAND,  
 INMARSAT-C: 4512 00067, PHONE: 644 914 5663, FAX: 644 914 5520  
 OR TAupo MARITIME RADIO.

(040840Z NOV 2002)

2057/02(71,93). SOUTH CHINA SEA.  
 1. SEISMIC SURVEY 05 NOV UNTIL FURTHER NOTICE  
 BY M/V RAMFORM CHALLENGER TOWING 6500 METER  
 LONG CABLE IN AREA BETWEEN  
 05-50N 06-10N AND 103-20E 104-00E.  
 2. CANCEL HYDROPAC 1699/02(92).

(040855Z NOV 2002)

2067/02(91,92). NORTH PACIFIC.  
 DISTRESS SIGNAL RECEIVED ON 243 MHZ IN 14-57.7N 127-30.7E.  
 VESSELS IN VICINITY REQUESTED TO KEEP A SHARP  
 LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO PAC RCC,  
 TELEX: 392401, PHONE: 808 531 1112, FAX: 808 541 2123.

(070540Z NOV 2002)

2077/02(81). NORTH PACIFIC.  
 DISTRESS SIGNAL RECEIVED ON 121.5 MHZ IN 14-15.4N 145-09.4E  
 AT 080222Z NOV. VESSELS IN VICINITY REQUESTED TO KEEP A  
 SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC GUAM,  
 TELEX: 39241, PHONE: 671 339 6100, FAX: 671 339 6210.

(081925Z NOV 2002)

2078/02(83). SOUTH PACIFIC.  
 DISTRESS SIGNAL RECEIVED ON 121.5 MHZ VICINITY 10-32S 166-29W.  
 VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,  
 ASSIST IF POSSIBLE. REPORTS TO MARITIME OPERATIONS NEW ZEALAND,  
 INMARSAT-C: 4512 00067, PHONE: 644 914 5663, FAX: 644 914 5520  
 OR TAupo MARITIME RADIO.

(090630Z NOV 2002)

2084/02(97). NORTH PACIFIC. JAPAN-SOUTH COAST.  
 F/V ISEMARU NO 7, WHITE HULL, ONE PERSON ON BOARD, OVERDUE  
 KUSHIMOTO (33-28N 135-47E) AND RETURN. VESSELS IN VICINITY  
 REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
 REPORTS TO JAPAN COAST GUARD.

(110607Z NOV 2002)

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2093/02(71,72). SINGAPORE TO INDONESIA.

27 METER M/V SEA JAGUAR, BLACK HULL, UNREPORTED SINGAPORE TO AMBON. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO SINGAPORE PORT OPERATIONS CONTROL CENTER, TELEX: 8720021, PHONE: 656 226 5539, FAX: 656 227 9971.

(120810Z NOV 2002)

2099/02(91,92). PHILIPPINE SEA.

DISTRESS SIGNAL RECEIVED ON 121.5 MHZ IN 12-45.4N 124-59.2E. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO PAC RCC, TELEX: 392401, PHONE: 808 531 1112, FAX: 808 541 2123.

(131140Z NOV 2002)

2101/02(81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED VICINITY 07-07.0N 171-24.3E AT 131147Z NOV. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC HONOLULU, TELEX: 392401, PHONE: 808 541 2500, FAX: 808 541 2123.

(131348Z NOV 2002)

2111/02(62). PERSIAN GULF.

CHART 62460 (4TH ED).  
RACON AT AMOCO SHARJAH BUOY 25-34N 055-24E INOPERATIVE.

(141805Z NOV 2002)

2117/02(81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 243 MHZ IN 11-45.2N 139-59.3E AT 160255Z NOV. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC GUAM, TELEX: 392401, PHONE: 671 339 6100, FAX: 671 339 6210.

(160605Z NOV 2002)

2120/02(97). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 406 MHZ FROM F/V ZHEN SONG 2 IN 33-22-30N 155-32-45E AT 161703Z NOV. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO JAPAN COAST GUARD.

(162058Z NOV 2002)

2121/02(61). ARABIAN SEA.

M/V ERIC LD REPORTS CREWMAN WITH HEAD INJURY IN 05-22N 052-40E. VESSELS IN VICINITY ABLE TO PROVIDE MEDICAL ASSISTANCE REQUESTED TO ASSIST IF POSSIBLE. REPORTS TO MRCC GRIZ NEZ, TELEX: 42130680, PHONE: 333 2187 2187, FAX: 333 2187 7855.\\

(170655Z NOV 2002)

2125/02(91,92). PHILIPPINE SEA.

DISTRESS SIGNAL RECEIVED ON 243 MHZ IN 12-51.9N 123-10.3E. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO PAC RCC, TELEX: 392401, PHONE: 808 531 1112, FAX: 808 541 2123.

(180705Z NOV 2002)

2126/02(62). GULF OF ADEN.

DISTRESS SIGNAL RECEIVED FROM M/V AL JABER III IN 13-04N 053-01E AT 180343Z NOV. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO JRCC STAVANGER, TELEX: 5633163, PHONE: 475 151 7000, FAX: 475 165 2334.

(180710Z NOV 2002)

2128/02(81). NORTH PACIFIC. CAROLINE ISLANDS.

23 FOOT VESSEL, WHITE HULL, THREE PERSONS ON BOARD, OVERDUE LOSAP ATOLL TO WENO ISLAND, TRUK ATOLL. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC GUAM, TELEX: 392401.

(180820Z NOV 2002)

2134/02(81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 08-36.2N 131-57.8E AT 161045Z NOV. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC GUAM, TELEX: 392401, PHONE: 671 339 6100, FAX: 671 339 6210.

(181558Z NOV 2002)

2138/02(96). SEA OF JAPAN.

F/V IVAN KASATKIN SUNK VICINITY 47-17N 141-36E, 17 PERSONS IN LIFERAFTS. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF

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POSSIBLE. REPORTS TO MRCC VLADIVOSTOK,  
INMARSAT-C: 4925 00379, PHONE: 742 3249 5522,  
FAX: 742 3249 5895 OR MSPC YUZHNO-SAKHALINSK.

(181847Z NOV 2002)

2144/02(81). NORTH PACIFIC. CAROLINE ISLANDS.

1. 23 FOOT VESSEL, EIGHT PERSONS ON BOARD, OVERDUE  
LOSAP ATOLL TO WENO ISLAND, TRUK ATOLL. VESSELS IN  
VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST  
IF POSSIBLE. REPORTS TO RCC GUAM, TELEX: 392401,  
PHONE: 671 339 6100, FAX: 671 339 6210.  
2. CANCEL HYDROPAC 2118/02(75), SEARCH SUSPENDED.

(190950Z NOV 2002)

2145/02(94,97). EAST CHINA SEA.

DISTRESS SIGNAL RECEIVED ON 121.5 MHZ VICINITY  
30-47-49N 127-26-16E AT 191246Z NOV.  
VESSELS IN VICINITY REQUESTED TO KEEP A  
SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO JAPAN COAST GUARD.

(191501Z NOV 2002)

2146/02(81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 16-50.7N 144-07.0E  
AT 191003Z NOV. VESSELS IN VICINITY REQUESTED TO KEEP A  
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC GUAM,  
TELEX: 392401, PHONE: 671 339 6100, FAX: 671 339 6210.

(191507Z NOV 2002)

2148/02(74). AUSTRALIA-NORTHWEST COAST.

DISTRESS SIGNAL RECEIVED ON 121.5 MHZ IN 20-35S 117-45E  
AT 191443Z NOV. VESSELS IN VICINITY REQUESTED TO KEEP A  
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC AUSTRALIA,  
TELEX: 7162025, PHONE: 612 6230 6811, FAX: 612 6230 6868.

(191551Z NOV 2002)

2153/02(94). EAST CHINA SEA.

DISTRESS SIGNAL RECEIVED ON 121.5 AND 243.0 MHZ IN  
23-01.8N 120-14.2E, VESSELS IN VICINITY REQUESTED  
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO PAC RCC, TELEX: 392401,  
PHONE: 808 531 1112, FAX: 808 541 2123.

(200620Z NOV 2002)

2154/02(81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 12-34.5N 159-44.2E  
AT 200145Z NOV. VESSELS IN VICINITY REQUESTED TO KEEP A  
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC GUAM,  
TELEX: 392401, PHONE: 671 339 6100, FAX: 671 339 6210.

(200625Z NOV 2002)

2155/02(81). NORTH PACIFIC.

F/V SYUHO MARU NO. 8, EIGHT PERSONS ON BOARD, UNREPORTED.  
LAST KNOWN POSITION 03-55N 155-17E ON 14 NOV. VESSELS  
IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST  
IF POSSIBLE. REPORTS TO JAPAN COAST GUARD.

(200635Z NOV 2002)

2156/02(72). JAVA SEA.

1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE  
BY M/V GECO EAGLE TOWING 2.5 MILE LONG CABLE IN  
AREA BOUND BY 05-56S 113-54E, 06-16S 113-55E,  
06-22S 113-18E, 06-10S 113-12E.  
2. CANCEL HYDROPAC 1695/02(71,93).

(200740Z NOV 2002)

2158/02(97). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 34-34N 149-44E  
AT 200934Z NOV. VESSELS IN VICINITY REQUESTED  
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO JAPAN COAST GUARD.

(201220Z NOV 2002)

2159/02(92). SULU SEA.

DISTRESS SIGNAL RECEIVED ON 121.5 MHZ IN  
10-25.5N 120-47.0E. VESSELS IN VICINITY  
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST  
IF POSSIBLE. REPORTS TO PAC RCC, TELEX: 392401,

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PHONE: 808 531 1112, FAX: 808 541 2123.

(201623Z NOV 2002)

2161/02(97). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 243 MHZ IN 24-37N 135-06E  
AT 202157Z. VESSELS IN VICINITY REQUESTED TO  
KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO JAPAN COAST GUARD.

(210108Z NOV 2002)

2162/02(76). NEW ZEALAND. NORTH ISLAND-WEST COAST.

CHART 76070 (9TH ED).  
OANUI PIPELINE AREA SOUTH MARKER LIGHT 39-25.7S 173-49.2E UNLIT.

(210157Z NOV 2002)

2164/02(91). PHILIPPINE SEA.

DISTRESS SIGNAL RECEIVED ON 243 MHZ IN  
15-44.1N 123-51.8E. VESSELS IN VICINITY  
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST  
IF POSSIBLE. REPORTS TO PAC RCC, TELEX: 392401,  
PHONE: 808 531 1112, FAX: 808 541 2123.

(210408Z NOV 2002)

2178/02(29). ANTARCTICA. BRANSFIELD STRAIT.

CHART 29105 (5TH ED).  
MONTRAVEL ROCK RACON 63-09S 058-02W INOPERATIVE.

(221210Z NOV 2002)

2191/02(22). SOUTH PACIFIC. CHILE. RADIO SERVICES.

DSC STATION ANTOFAGASTA 23-41S 070-24W INOPERATIVE.

(231845Z NOV 2002)

2192/02(72). FLORES SEA.

1. SEISMIC SURVEY 25 NOV THRU 31 DEC BY M/V ORIENT EXPLORER  
TOWING 6500 METER LONG CABLE IN AREA BOUND BY  
06-20S 120-20E, 06-55S 119-28E, 06-08S 118-39E,  
05-15S 118-39E, 05-15S 119-00E.  
2. CANCEL HYDROFAC 1607/02.  
3. CANCEL THIS MSG 01 JAN 03.

(240028Z NOV 2002)

2193/02(61). INDIAN OCEAN.

DISTRESS SIGNAL RECEIVED IN 35-27S 048-36E AT 240048Z NOV.  
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,  
ASSIST IF POSSIBLE. REPORTS TO MRCC REUNION,  
INMARSAT-C: 422 799 193, TELEX: 916140,  
PHONE: 2622 6243 4343, FAX: 2622 6271 1595.

(240240Z NOV 2002)

2195/02(73,74,82). CORAL SEA.

M/V DOOYANG GLORY UNREPORTED. LAST KNOWN  
POSITION 14-00S 157-54E AT 230410Z NOV. VESSELS  
IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,  
ASSIST IF POSSIBLE. REPORTS TO RCC AUSTRALIA,  
TELEX: 7162025, PHONE: 612 6230 6811, FAX: 612 6230 6868.

(241632Z NOV 2002)

2196/02(81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 243 MHZ IN 16-41.1N 133-00.1E  
AT 241538Z NOV. VESSELS IN VICINITY REQUESTED TO KEEP A  
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC GUAM,  
TELEX: 392401, PHONE: 671 339 6100, FAX: 671 339 6210.

(241954Z NOV 2002)

2199/02(63). INDIA-SOUTH COAST.

CHART 63220 (5TH ED).  
1. DANGEROUS SUBMERGED ROCKS, LEAST DEPTH 11 METERS, IN:  
A. 08-02.66N 077-24.84E.  
B. 08-02.83N 077-24.84E.  
2. CANCEL HYDROFAC 2170/02.

(251210Z NOV 2002)

2201/02(97). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 243 MHZ VICINITY 29-15N 160-45E  
AT 251332Z NOV. VESSELS IN VICINITY REQUESTED  
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO JAPAN COAST GUARD.

(251459Z NOV 2002)

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2216/02(94,95). YELLOW SEA. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1000Z DAILY 02 THRU 07,  
09 THRU 14, 16 THRU 21, 23, 24, 26 THRU 28,  
30 AND 31 DEC IN AREA BETWEEN  
36-05N 36-35N AND 124-50E 125-42E.
2. CANCEL THIS MSG 311100Z DEC.

(270940Z NOV 2002)

2218/02(94,95). YELLOW SEA. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1000Z DAILY 02 THRU 07,  
09 THRU 14, 16 THRU 21, 23, 24, 26 THRU 28,  
30 AND 31 DEC IN AREA BETWEEN  
34-50N 35-15N AND 124-50E 125-42E.
2. CANCEL THIS MSG 311100Z DEC.

(271040Z NOV 2002)

2219/02(94,95). YELLOW SEA. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1000Z DAILY 02 THRU 07,  
09 THRU 14, 16 THRU 21, 23, 24, 26 THRU 28,  
30 AND 31 DEC IN AREA BOUND BY 36-35N 125-36E,  
36-35N 124-50E, 37-06N 124-50E, 37-10N 125-36E.
2. CANCEL THIS MSG 311100Z DEC.

(271045Z NOV 2002)

2220/02(71). STRAIT OF MALACCA. GUNNERY.

1. GUNNERY EXERCISES 0001Z TO 1601Z DAILY 02 THRU 07,  
09 THRU 14, 16 THRU 21, 23 THRU 28, 30 AND 31 DEC  
IN AREA BOUND BY 04-33N 099-48E,  
04-14N 100-17E, 04-53N 100-06E.
2. CANCEL THIS MSG 311701Z DEC.

(271050Z NOV 2002)

2223/02(81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 11-58.9N 160-01.1E  
AT 272055Z NOV. VESSELS IN VICINITY REQUESTED TO KEEP  
A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC GUAM,  
TELEX: 392401, PHONE: 671 339 6100, FAX: 671 339 6210.

(272243Z NOV 2002)

2224/02(22). CHILE-WEST COAST.

CHART 22360 (2ND ED).  
RACON AT ISLA GUAFO LIGHT 43-33.8S 074-50.0W INOPERATIVE.

(280036Z NOV 2002)

2226/02(81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 121.5 MHZ IN 10-03.1N 143-03.3E  
AT 280549Z NOV. VESSELS IN VICINITY REQUESTED TO KEEP A  
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC GUAM,  
TELEX: 392401, PHONE: 671 339 6100, FAX: 671 339 6210.

(280650Z NOV 2002)

2227/02(94,95). YELLOW SEA. ORDNANCE.

1. BOMBING EXERCISES 0100Z TO 0250Z AND 0430Z TO 0800Z  
DAILY 02 THRU 06 DEC, ALTERNATE 0100Z TO 0250Z AND  
0430Z TO 0800Z DAILY 11 THRU 27 DEC IN AREA  
BOUND BY 36-40.6N 126-10.4E,  
36-38.2N 125-59.9E, 35-01.3N 125-42.8E,  
34-58.4N 126-03.1E, 36-34.2N 126-17.9E.
2. CANCEL THIS MSG 270900Z DEC.

(280850Z NOV 2002)

2228/02(95). SEA OF JAPAN. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 0700Z DAILY 02 THRU 07,  
09 THRU 14, 16 THRU 21, 23, 24, 26 THRU 28,  
30 AND 31 DEC IN AREA BOUND BY 38-08N 129-51E,  
38-08N 130-10E, 37-39N 130-10E, 37-42N 129-51E.
2. CANCEL THIS MSG 310800Z DEC.

(280855Z NOV 2002)

2229/02(74). INDIAN OCEAN.

MAN OVERBOARD FROM M/V BANASOL VICINITY OF TRACKLINE BETWEEN  
18-00.0S 099-15.7E AT 271000Z NOV AND 15-20.1S 096-34.4E AT  
280100Z NOV. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP  
LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO VESSEL OR RCC AUSTRALIA,  
TELEX: 7162025, PHONE: 612 6230 6811, FAX: 612 6230 6868.

(280920Z NOV 2002)

2234/02(63). NICOBAR ISLANDS.  
CHART 63390 (1ST ED).

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NM 52/02

PULO MILOW LIGHT 07-24.6N 093-40.9E UNLIT.

(281550Z NOV 2002)

2238/02(74). AUSTRALIA-WEST COAST.

SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE  
BY M/V VERITAS SEARCHER TOWING FIVE MILE LONG CABLE  
IN AREA BETWEEN 27-45S 29-10S AND 112-00E 114-00E.

(290340Z NOV 2002)

2242/02(95). SEA OF JAPAN. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1300Z DAILY 02 THRU 07,  
09 THRU 14, 16 THRU 21, 23, 24, 26 THRU 28,  
30 AND 31 DEC IN AREA BOUND BY  
38-25N 128-45E, 38-25N 129-30E,  
38-10N 129-30E, 38-10N 129-00E,  
38-17N 129-00E, 38-17N 128-45E.  
2. CANCEL THIS MSG 311400Z DEC.

(291105Z NOV 2002)

2243/02(94,95). YELLOW SEA. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1300Z DAILY 02 THRU 07,  
09 THRU 14, 16 THRU 21, 23, 24, 26 THRU 28,  
30 AND 31 DEC IN AREA BETWEEN  
35-35N 36-00N AND 125-00E 125-30E.  
2. CANCEL THIS MSG 311400Z DEC.

(291110Z NOV 2002)

2255/02(61). INDIAN OCEAN.

DISTRESS SIGNAL RECEIVED IN 37-25S 074-55E AT 010134Z DEC.  
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,  
ASSIST IF POSSIBLE. REPORTS TO MRCC REUNION,  
INMARSAT-C: 4227 99193, TELEX: 916140,  
PHONE: 2622 6243 4343, FAX: 2622 6271 1595.

(010339Z DEC 2002)

2258/02(74). AUSTRALIA-NORTHWEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY  
M/V PACIFIC SWORD TOWING TWO THREE MILE LONG CABLES  
IN AREA BETWEEN 20-00S 20-45S AND 114-30E 115-20E.  
WIDE BERTH REQUESTED.  
2. CANCEL HYDROFAC 2222/02.

(020220Z DEC 2002)

2269/02(81). PHILIPPINE SEA.

DISTRESS SIGNAL RECEIVED ON 243 MHZ VICINITY  
13-36.4N 133-17.8E AT 021527Z DEC. VESSELS  
IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,  
ASSIST IF POSSIBLE. REPORTS TO RCC GUAM,  
TELEX: 392401, PHONE: 671 339 6100.

(022122Z DEC 2002)

2274/02(61). INDIAN OCEAN. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS 050001Z  
TO 312359Z DEC IN AREA BETWEEN  
09-00S 13-00S AND 070-00E 073-00E.  
2. CANCEL HYDROFAC 2272/02(93).  
3. CANCEL THIS MSG 010059Z JAN 03.

(030750Z DEC 2002)

2275/02(81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 121.5 MHZ IN 13-08.4N 142-40.8E  
AT 030456Z DEC. VESSELS IN VICINITY REQUESTED TO KEEP A  
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC GUAM,  
TELEX: 392401, PHONE: 671 339 6100, FAX: 671 339 6210.

(030820Z DEC 2002)

2277/02(GEN). GPS SATELLITE SYSTEM.

PRN 22 UNUSABLE.

(031636Z DEC 2002)

2278/02(81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 243 MHZ IN 16-25.3N 137-55.7E  
AT 031514Z DEC. VESSELS IN VICINITY REQUESTED TO  
KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO RCC GUAM, TELEX: 392401.

(031715Z DEC 2002)

2285/02(94,97). EAST CHINA SEA.

MAN OVERBOARD FROM M/V HANJIN LONDON VICINITY OF  
TRACKLINE BETWEEN 30-42N 125-14E AT 040001Z DEC

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AND 29-27N 124-07E AT 040400Z DEC. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO JAPAN COAST GUARD.

(041250Z DEC 2002)

2286/02(63). INDIA-SOUTHWEST COAST. ROCKETS.

1. HAZARDOUS OPERATIONS 1300Z TO 1530Z DAILY 04, 05, 11 AND 12 DEC WITHIN 75 MILES OF 08-31.9N 076-52.1E.
2. CANCEL THIS MSG 121630Z DEC.

(041304Z DEC 2002)

2291/02(81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 16-24.2N 134-42.1E AT 050327Z DEC. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC GUAM, TELEX: 392401, PHONE: 671 339 2001, FAX: 671 339 6210.

(050620Z DEC 2002)

2294/02(81,97). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 25-17.5N 165-01.5E AT 051650Z DEC. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC HONOLULU, TELEX: 392401, PHONE: 808 541 2500, FAX: 808 541 2123.

(051736Z DEC 2002)

2298/02(63). INDIA-EAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 15 MAR BY M/V RAMFORM VANGUARD TOWING 6000 METER LONG CABLE IN AREA BOUND BY 19-22N 085-44E, 18-55N 086-09E, 18-35N 085-44E, 19-01N 085-19E. WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 2287/02.
3. CANCEL THIS MSG 16 MAR 03.

(061255Z DEC 2002)

2300/02(94). PHILIPPINE SEA. GUNNERY.

1. GUNNERY EXERCISES 0001 TO 1000Z DAILY 11, 17 AND 24 DEC IN AREA BOUND BY 23-43N 122-05E, 23-00N 122-05E, 23-20N 122-38E, 23-43N 122-38E.
2. CANCEL HYDROPAC 2299/02(81) AND 2292/02.
3. CANCEL THIS MSG 241100Z DEC.

(061517Z DEC 2002)

2302/02(22). SOUTH PACIFIC. CHILE. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 1200Z TO 2100Z DAILY 09, 12, 16, 21 AND 23 DEC IN AREA BOUND BY 36-11-00S 073-38-42W, 36-11-00S 073-14-00W, 36-36-00S 073-14-00W, 36-36-00S 073-38-00W.
2. CANCEL THIS MSG 232200Z DEC.

(061905Z DEC 2002)

2305/02(22). SOUTH PACIFIC. CHILE. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 1100Z TO 2100Z DAILY 11 THRU 13 DEC AND 141100Z TO 141500Z DEC IN AREA BETWEEN 36-23S 36-38S AND 073-58W 073-34W.
2. CANCEL THIS MSG 141600Z DEC.

(070306Z DEC 2002)

2306/02(22). SOUTH PACIFIC. CHILE. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 121300Z TO 121900Z DEC IN AREA BETWEEN 41-19S 41-24S AND 073-48W 073-54W.
2. CANCEL THIS MSG 122000Z DEC.

(070314Z DEC 2002)

2308/02(GEN).

1. HYDROPAC MESSAGES IN FORCE 071200Z DEC 2002. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2002 SERIES: 2038(81,97), 2040(63), 2047(GEN), 2056(76,83), 2057(71,93), 2067(91,92), 2077(81), 2078(83), 2084(97), 2093(71,72), 2099(91,92), 2101(81), 2111(62), 2117(81), 2120(97), 2121(61), 2125(91,92), 2126(62), 2128(81), 2134(81), 2138(96), 2144(81), 2145(94,97), 2146(81), 2148(74), 2153(94), 2154(81), 2155(81), 2156(72), 2158(97), 2159(92), 2161(97), 2162(76), 2164(91), 2178(29), 2187(75), 2191(22), 2192(72), 2193(61), 2195(73,74,82), 2196(81), 2199(63), 2201(97), 2213(63), 2216(94,95), 2218(94,95), 2219(94,95), 2220(71), 2223(81), 2224(22), 2226(81), 2227(94,95), 2228(95), 2229(74), 2230(63), 2231(63), 2234(63), 2238(74), 2242(95), 2243(94,95), 2255(61), 2258(74), 2263(63), 2269(81), 2274(61), 2275(81), 2277(GEN), 2278(81), 2283(75), 2285(94,97), 2286(63), 2288(75), 2291(81), 2293(29), 2294(81,97), 2296(19,81),

### SECTION III

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- 2297(81), 2298(63), 2300(94), 2301(GEN), 2302(22), 2303(22),  
2304(22), 2305(22), 2306(22), 2307(74).  
2. THE SUMMARY OF ALL HYDROPOAC MESSAGES IN FORCE AS OF 13 DEC 2001  
IS GIVEN IN SEC III OF NM 52/01. WARNINGS ISSUED DURING THE  
SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/02, 26/02 AND 39/02.  
3. CANCEL HYDROPOAC 1969/02, 1972/02, 1990/02, 1994/02,  
2105/02, 2259/02.

(071220Z DEC 2002)

2309/02(63). INDIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 25 DEC BY M/V MEZEN  
TOWING 6000 METER LONG CABLE IN AREA BOUND BY  
16-40N 072-40E, 18-00N 072-30E, 20-20N 070-50E,  
20-35N 068-25E, 18-50N 067-20E, 15-20N 070-55E.  
WIDE BERTH REQUESTED.  
2. CANCEL THIS MSG 26 DEC.

(071325Z DEC 2002)

2310/02(97). NORTH PACIFIC.

1. SURVEY OPERATIONS 11 THRU 22 DEC BY M/V SHOYO  
TOWING 2000 METER LONG CABLE IN AREA  
BETWEEN 23-55N 27-05N AND 144-55E 147-35E.  
2. CANCEL THIS MSG 23 DEC.

(071340Z DEC 2002)

2313/02(22,23,29). SOUTH ATLANTIC. ICE.

1. ICEBERGS REPORTED ON 05 DEC:  
A. A-38A, 22 MILES BY 48 MILES IN 63-18S 053-00W.  
B. A-38B, 22 MILES BY 25 MILES IN 64-06S 055-06W.  
C. A-38C, SEVEN MILES BY ELEVEN MILES IN 60-54S 053-18W.  
D. A-38D, TWO MILES BY TEN MILES IN 64-00S 055-30W.  
E. A-43A, 14 MILES BY 35 MILES IN 58-18S 067-06W.  
F. A-43B, 13 MILES BY 40 MILES IN 54-12S 039-06W.  
G. A-43C, 24 MILES BY 41 MILES IN 60-12S 063-18W.  
H. A-43G, NINE MILES BY 51 MILES IN 57-06S 033-42W.  
I. A-43I, TWO MILES BY 12 MILES IN 60-12S 044-48W.  
J. A-46, FOUR MILES BY 11 MILES IN 59-18S 045-24W.  
K. A-47, NINE MILES BY 14 MILES IN 59-12S 054-36W.  
L. A-48, NINE MILES BY TEN MILES IN 64-24S 057-24W.  
M. A-50, TWO MILES BY 11 MILES IN 64-36S 056-06W.  
N. B-09A, 15 MILES BY 22 MILES IN 57-24S 037-24W.  
2. CANCEL THIS MSG 14 DEC.

(071636Z DEC 2002)

2317/02(81). NORTH PACIFIC.

1. DISTRESS SIGNAL RECEIVED ON 406 MHZ VICINITY  
17-37N 162-46E AT 080803Z DEC. VESSELS IN  
VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,  
ASSIST IF POSSIBLE. REPORTS TO JAPAN COAST GUARD.  
2. CANCEL HYDROPOAC 2316/02(76).

(081111Z DEC 2002)

2318/02(75). AUSTRALIA-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY  
M/V WESTERN MONARCH TOWING EIGHT 3 MILE LONG CABLES  
IN AREA BETWEEN 38-30S 39-20S AND 135-00E 141-20E.  
WIDE BERTH REQUESTED.  
2. CANCEL HYDROPOAC 2283/02.

(081433Z DEC 2002)

2319/02(93). SOUTH CHINA SEA.

- DISTRESS SIGNAL RECEIVED FROM M/V LADY CYNTHIA  
IN 09-58N 108-18E AT 081336Z DEC. VESSELS  
IN VICINITY REQUESTED TO KEEP A SHARP  
LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO  
SINGAPORE PORT OPERATIONS CONTROL CENTER.

(082040Z DEC 2002)

2321/02(81). NORTH PACIFIC.

- DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 21-35.5N 138-02.3E.  
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,  
ASSIST IF POSSIBLE. REPORTS TO PAC RCC, TELEX: 392401,  
PHONE: 808 531 1112, FAX: 808 541 2123.

(090740Z DEC 2002)

2322/02(93). SOUTH CHINA SEA.

1. DERELICT M/V MATDEN AND NUMEROUS CONTAINERS  
ADRIFT IN 16-09.5N 113-58.5E AT 090900Z DEC.  
2. CANCEL HYDROPOAC 2320/02, PERSONS RESCUED.  
3. CANCEL THIS MSG 16 DEC.

(091110Z DEC 2002)

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2323/02(81,97). NORTH PACIFIC. ROCKETS.

1. HAZARDOUS OPERATIONS 140131Z TO 140222Z DEC, ALTERNATE 0131Z TO 0222Z DAILY 15 THRU 30 DEC IN AREAS BOUND BY:
  - A. 30-24N 130-58E, 30-22N 130-58E, 30-12N 131-13E, 30-26N 131-17E, 30-26N 130-58E.
  - B. 29-25N 131-31E, 29-37N 131-50E, 29-08N 132-09E, 28-56N 131-51E.
  - C. 26-12N 132-10E, 26-15N 133-21E, 24-18N 133-25E, 24-16N 132-14E.
  - D. 11-44N 130-57E, 11-33N 133-23E, 07-42N 133-06E, 07-52N 130-39E.
2. CANCEL HYDROPAC 1635/02(62), OPERATIONS COMPLETED.
3. CANCEL THIS MSG 300322Z DEC.

(091140Z DEC 2002)

2325/02(22). SOUTH PACIFIC. PERU.

CHART 608 (2ND ED).  
ODAS BUOY ESTABLISHED IN 07-59.4S 085-00.6W.

(092220Z DEC 2002)

2328/02(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0130Z TO 1630Z DAILY 12 AND 13 DEC WITHIN 70 MILES OF 15-50.N 080-29.5E.
2. CANCEL THIS MSG 131730Z DEC.

(100920Z DEC 2002)

2329/02(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0330Z TO 1530Z DAILY 13 THRU 17 DEC IN AREA BOUND BY 09-57.6N 075-59.5E, 09-57.7N 076-14.2E, 09-40.0N 076-14.5E, 09-42.5N 076-09.5E.
2. CANCEL THIS MSG 171630Z DEC.

(100925Z DEC 2002)

2330/02(62). RED SEA.

CHART 62242 (11TH ED).  
RACON AT SHI'B QAHAM LIGHT 21-27.3N 039-06.6E INOPERATIVE.

(100940Z DEC 2002)

2331/02(23,29). SOUTH ATLANTIC. ICE.

1. ICEBERGS REPORTED:
  - A. IN AREA BETWEEN 63-12.8S 63-18.3S AND 060-34.1W 060-42.0W.
  - B. 30 TO 40, ONE AND TWO MILES, WITHIN 20 MILES OF 57-36.9S 043-48.9W.
  - C. WITHIN 20 MILES OF 58-46.9S 047-24.5W.
  - D. WITHIN 34 MILES OF 59-38.0S 050-10.0W.
  - E. WITHIN 60 MILES OF 60-30.0S 053-00.0W.
2. CANCEL HYDROPAC 2293/02.
3. CANCEL THIS MSG 18 DEC.

(110330Z DEC 2002)

2333/02(97). NORTH PACIFIC.

1. DERELICT EIGHT METER VESSEL CAPSIZED AND ADRIFT IN 26-52.7N 141-59.2E AT 110100Z DEC.
2. CANCEL THIS MSG 18 DEC.

(111120Z DEC 2002)

2335/02(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0230Z TO 1130Z DAILY 15 THRU 21 DEC WITHIN SIX MILES OF 14-01.0N 074-19.6E.
2. CANCEL THIS MSG 211230Z DEC.

(111215Z DEC 2002)

2336/02(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0230Z TO 1230Z DAILY 14 THRU 21 DEC IN AREA BETWEEN 15-13N 15-11N AND 073-57E 073-52E.
2. CANCEL THIS MSG 211330Z DEC.

(111220Z DEC 2002)

2337/02(61). INDIAN OCEAN.

M/V JASMINA DISABLED AND ADRIFT DUE TO ENGINE CASUALTY VICINITY 03-05S 047-21E AT 060300Z DEC. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO ANY COASTAL RADIO STATION.

(111250Z DEC 2002)

2338/02(63). INDIA-EAST COAST.  
CHART 63270 (7TH ED).

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**NM 52/02**

RADIOBEACON AT KRISHNAPATNAM LIGHT 14-15N 080-08E OFF AIR.

(111310Z DEC 2002)

2339/02(63). INDIA-WEST COAST.

CHART 63070 (3RD ED).

1. DANGEROUS WRECK MARKED BY BUOY IN 21-37.6N 069-35.7E.

2. CANCEL HYDROGRAPHIC 2213/02.

(111320Z DEC 2002)

2340/02(22). SOUTH PACIFIC. CHILE. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 1300Z TO 1800Z DAILY 16 AND 17 DEC IN AREA BETWEEN 19-45S 20-00S AND 071-16W 071-00W.

2. CANCEL THIS MSG 171900Z DEC.

(112335Z DEC 2002)

2341/02(75). AUSTRALIA-EAST COAST.

CHART 75261 (6TH ED).

1. SYDNEY DPGS STATION 33-59S 150-59E INOPERATIVE.

2. CANCEL HYDROGRAPHIC 2288/02.

(120035Z DEC 2002)

2342/02(93). SOUTH CHINA SEA.

1. CONTAINER ADRIFT IN 15-47N 112-39E AT 120545Z DEC.

2. CANCEL THIS MSG 19 DEC.

(121020Z DEC 2002)

2343/02(62). RED SEA. GULF OF AQABA.

1. SEISMIC SURVEY IN PROGRESS UNTIL 14 JAN

BY M/V YEOMAN IN AREA BOUND BY

29-28N 034-51E, 29-25N 034-59E,

29-21N 034-58E, 29-23N 034-48E.

WIDE BERTH REQUESTED.

2. CANCEL THIS MSG 15 JAN 03.

(121040Z DEC 2002)

2344/02(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0030Z TO 1230Z DAILY 16 THRU 18 DEC

IN AREA BOUND BY 19-14.6N 084-53.7E, 19-10.5N 085-01.0E,

19-01.7N 084-56.8E, 19-05.1N 084-48.4E, 19-12.6N 084-51.6E.

2. CANCEL THIS MSG 181330Z DEC.

(121120Z DEC 2002)

### **MARAD ADVISORIES**

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

The text of all in-force MARAD ADVISORIES may be obtained by accessing the NIMA Maritime Safety Information website ([http://164.214.12.145/warn/warn\\_j\\_query.html](http://164.214.12.145/warn/warn_j_query.html)), by referring to Section I (paragraph 50) of US Notice to Mariners 1/02 for those in-force as of 19 December 2001, or by contacting the Maritime Administration Office of Ship Operations, Code MAR-613, Room 2123, 400 Seventh Street S.W., Washington DC 20590, Telephone (202) 366-5735, FAX (202) 366-3954, TLX II 710-822-9426 (MARAD DOT WSH).

MARAD ADVISORIES in force 12 December 2002: 00-7, 01-1, 01-5, 01-7, 02-2, 02-5 and 02-7.

### **SPECIAL WARNINGS**

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

The text of all in-force SPECIAL WARNINGS may be obtained by accessing the NIMA Maritime Safety Information website ([http://164.214.12.145/warn/warn\\_j\\_query.html](http://164.214.12.145/warn/warn_j_query.html)) or by referring to Section I (paragraph 7) of US Notice to Mariners 1/02 for those in-force as of 19 December 2001.

SPECIAL WARNINGS in force 12 December 2002: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119 and 120.

**MARINE INFORMATION****DISCONTINUANCE OF 121.5 AND 243 MHZ FOR SATELLITE DISTRESS ALERTS**

The Cospas-Sarsat Program has announced plans to terminate satellite processing of distress signals from 121.5 and 243 MHz emergency beacons on February 1, 2009. Users of the system will have to switch to emergency beacons operating at 406 MHz, which are more reliable and provide search and rescue agencies complete information that they need to do their job, in order to be detected by satellites.

Reasons for the Cospas-Sarsat program to discontinue use is driven by guidance from the International Maritime Organization (IMO) and the International Civil Aviation Organization (ICAO). These two agencies are responsible for regulating the safety of ships and aircraft on international transits and handle international standards for maritime and aeronautical search and rescue missions. In addition, 121.5 MHz false alerts inundate search and rescue resources which impact the effectiveness of lifesaving services.

Individuals who plan on buying a new distress beacon may wish to take the Cospas-Sarsat decision into account.

## 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 NIMA to update our records and obtain additional or later information.

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

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

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

Due to the large volume of information received, NIMA 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 NIMA's Bathymetric Data Base. Acknowledgment is made by inclusion in the Observer's List of the Notice to Mariners (page ii), or in some cases by letter from the Agency involved.

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

## **MARINE INFORMATION REPORT AND SUGGESTION SHEET**

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

Address \_\_\_\_\_

Email address

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

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

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

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

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

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

Sounding sensor or method used \_\_\_\_\_ Sounding(s) corrected for draft. 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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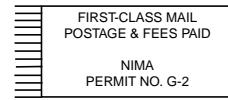
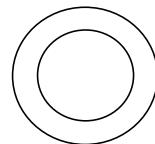
Digitized by srujanika@gmail.com

User Feedback (continue on additional sheets as necessary)

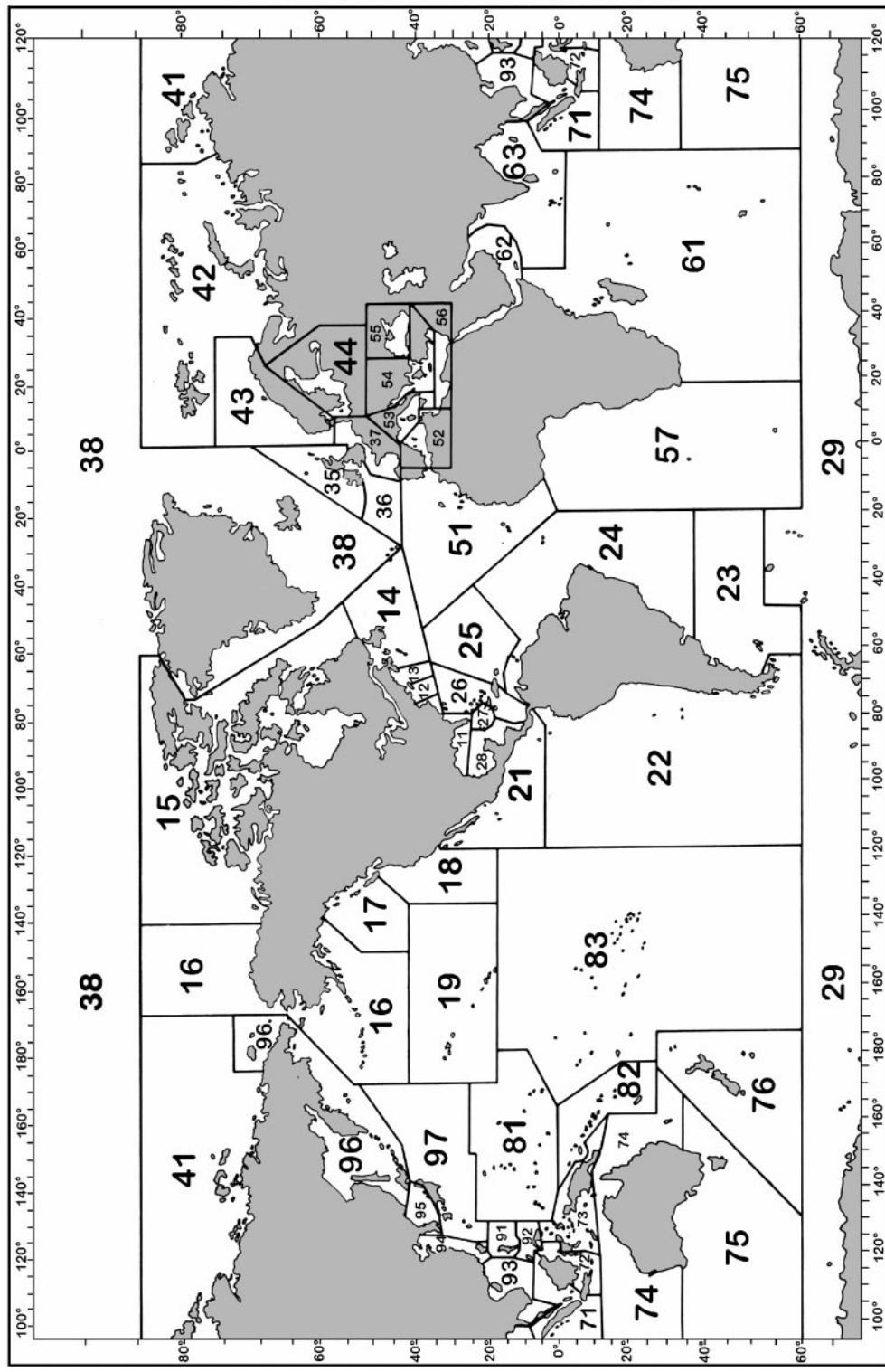


**MARITIME SAFETY INFORMATION DIVISION  
ST D44  
NATIONAL IMAGERY AND MAPPING AGENCY  
4600 SANGAMORE ROAD  
BETHESDA MD 20816-5003**

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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 NIMA Catalog of Maps, Charts, and Related Products, Part 2-Hydrographic Products, Volume 1. 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 Sub-region number of the pertinent geographic area, and then turning to the page or pages that list the chart numbers beginning with those two digits.

AFTER 5 DAYS RETURN TO

DEFENSE SUPPLY CENTER RICHMOND

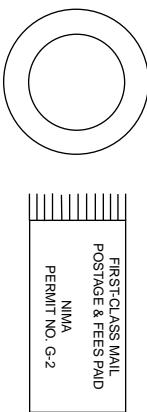
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8000 JEFFERSON DAVIS HIGHWAY  
RICHMOND, VIRGINIA 23297-5338

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