



No. 11

15 MARCH 2003



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/>**



NSN 7642015018939
NIMA REF.NO. NMXXX0311

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) 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, for information affecting Sailing Directions and all other navigational publications use SDPUBS@nima.mil, for information concerning the Maritime Safety Information Website, use 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:

Observer	Ship/Organization
LTJG Turner	USS DEYO

Cover Photo: Serving our nation proudly since her commissioning on June 3rd, 1978 the **USS BRISCOE (DD-977)** is the fifteenth destroyer in a series of thirty-one *SPRUANCE* class destroyers. Built by the Ingalls Shipbuilding Division of Litton Industries in Pascagoula, MS, she bears the name of Admiral Robert P. Briscoe, USN, who served with distinction during WWI, WWII and the Korean Conflict. The *SPRUANCE* class destroyers were developed for the primary mission of anti-submarine warfare, including operations as an integral part of attack carrier forces. Utilizing highly developed weapons systems, the **BRISCOE** can hunt down and destroy high speed submarines in all weather, but can also engage ships, aircraft and shore targets. As a multi-purpose combatant, the **BRISCOE** is capable of providing naval gunfire support in conjunction with Marine amphibious operations worldwide. At 564 feet in length and a beam of 55 feet, she is twice as large as a WWII destroyer and as large as a WWII cruiser. The **BRISCOE's** formidable armament includes two 5-inch/54 caliber lightweight guns, one MK-41 VLS for Tomahawk cruise missiles, MK-46 torpedoes, Harpoon missile launchers, one Sea Sparrow launcher, one Rolling Airframe Missile System and two 20mm Phalanx CIWS. The **BRISCOE's** 80,000 SHP and twin controllable-pitch screws can propel her to 30+ knots. A high degree of automation permits a reduced crew of 352 Sailors and 30 Officers. The homeport of the **USS BRISCOE** is Norfolk, Virginia.

INFORMATION
OF
SPECIAL INTEREST
OR
IMPORTANCE
TO
MARINERS

NM 11/03

HYDROGRAM

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

SPECIAL
ANNOUNCEMENTS

NEW PRODUCTS
OR SERVICES

IMPORTANT
CHANGES

15 March 2003

UNITED STATES COAST GUARD NAVIGATION INFORMATION SERVICE

THE UNITED STATES COAST GUARD NAVIGATION INFORMATION SERVICE (NIS), OPERATED BY THE USCG NAVIGATION CENTER, PROVIDES INFORMATION FOR ALL RADIONAVIGATION SYSTEMS. 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 N is not a part of the chart number.

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

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.

★14965	21Ed. 1/03	NEW EDITION	11/03
	(NOS)		
17360	32Ed. 9/22/01	LAST NM 8/03	11/03
Delete	Depth 29 fathoms	56°11.5'N 132°25.6'W	
Add	Rock awash [K12]	56°11.7'N 132°26.8'W	
	Rock awash [K12]	56°11.6'N 132°26.7'W	
	Depth ¼ fathom	56°13.8'N 132°24.3'W	
	Depth 5½ fathoms	56°11.3'N 132°26.0'W	
	(NOS)		
★17382	14Ed. 4/26/97	LAST NM 8/03	11/03
Delete	Depth 8 fathoms	56°11'46"N 132°26'44"W	
Substitute	Rock awash [K12] for depth 2¼ fathoms	56°11'36"N 132°26'39"W	
	Depth 1¼ fathoms for 25 fathoms	56°12'20"N 132°27'49"W	
	Depth 2¾ fathoms for 11 fathoms	56°11'22"N 132°27'12"W	
	Depth 1½ fathoms for 7 fathoms	56°11'24"N 132°30'13"W	
	Depth 2¼ fathoms for 8 fathoms	56°11'41"N 132°30'13"W	
Add	Rock awash [K12]	56°11'45"N 132°26'49"W	
	Depth ¼ fathom	56°13'45"N 132°24'19"W	
	Depth 5½ fathoms	56°11'20"N 132°25'58"W	
	(NOS)		
17385	13Ed. 7/24/93	LAST NM 48/02	11/03
Add	Depth ¼ fathom	56°13'45"N 132°24'19"W	
	(NOS)		
★19483	6Ed. 1/03	NEW EDITION	11/03
	(NOS)		
22341	9Ed. 9/11/99	LAST NM 43/02	11/03
Delete	Depth 146 meters	42°17.2'S 73°18.4'W	
	(10(1093)01 Taunton)		
22343	1Ed. 8/3/61	LAST NM N10/03	N11/03
Delete	Depth 146 meters	42°17.2'S 73°18.8'W	
Substitute	Depth 22 meters for 43 meters	42°20.1'S 73°05.3'W	
	(10(1093)01 Taunton)		
22407	1Ed. 1/1/52	LAST NM N4/03	N11/03
Add	Depth 3.3 meters, blue tint and enclosing depth contour (10-meter)	51°10.9'S 74°18.4'W	
	(33(3323)01 Taunton)		
22420	2Ed. 7/26/97	LAST NM 4/03	11/03
Add	Dangerous submerged rock [K13]	51°29.8'S 74°08.8'W	
	(33(3323)01 Taunton)		
22421	4Ed. 9/15/87	LAST NM N46/02	N11/03
Delete	Legend "Ver Carta 1108"	53°49.2'S 72°57.0'W	
	Legend "Ver Carta 1108"	53°02.2'S 73°05.2'W	
	Legend "Ver Carta 1108"	52°58.3'S 73°01.3'W	
Change	Chilean chart number "1114" to "11700" in margins (3) of chart		
	Legend "Ver Carta 1120" to "See Chart 11432"	53°49.2'S 71°36.0'W	
	Legend "Ver Carta 1120" to "See Chart 11432"	53°50.8'S 71°22.5'W	
	Legend "Ver Carta 1122" to "See Chart 11432"	53°48.0'S 71°07.4'W	
	Legend "Ver Carta 1122" to "See Chart 11432"	53°36.2'S 70°58.5'W	
	Legend "Ver Carta 1122" to "See Chart 11432"	53°24.0'S 70°55.5'W	
	Legend "Ver Carta 1121" to "See Chart 11431"	53°55.7'S 70°49.0'W	
	Legend "Ver Carta 1121" to "See Chart 11431"	53°47.7'S 71°02.0'W	
	Legend "Ver Carta 1121" to "See Chart 11431"	53°38.7'S 70°59.0'W	
	Legend "Ver Carta 1121" to "See Chart 11431"	53°49.5'S 71°10.0'W	

Legend "Ver Carta 1132" to "See Chart 11442"	53°49.3'S 70°29.0'W
Legend "Ver Carta 1111" to "See Chart 11811"	53°08.0'S 71°46.4'W
Legend "Ver Carta 1111" to "See Chart 11811"	53°07.0'S 72°03.0'W
Legend "Ver Carta 1111" to "See Chart 11811"	53°11.3'S 72°07.5'W
Legend "Ver Carta 1111" to "See Chart 11811"	53°16.2'S 72°12.2'W
Legend "Ver Carta 1111" to "See Chart 11811"	53°16.5'S 72°16.2'W

(NTM0002/2003)

22423	3Ed. 1/15/96	LAST NM N19/00	N11/03
Change	Legend "Ver Carta 1251" to "See Chart 12720"	54°55.2'S 70°40.2'W	

(NTM0002/2003)

22427	1Ed. 10/10/88	LAST NM N50/02	N11/03
Change	Legend "Ver Carta 1121" to "See Chart 11431"	53°50.1'S 71°08.2'W	
	Legend "Ver Carta 1121" to "See Chart 11431"	53°47.3'S 71°01.0'W	
	Legend "Ver Carta 1121" to "See Chart 11431"	53°38.1'S 70°58.1'W	
	Legend "Ver Carta 1131" to "See Chart 11920"	53°51.4'S 70°23.3'W	
	Legend "Ver Carta 1132" to "See Chart 11442"	53°48.9'S 70°27.6'W	
	Legend "Ver Carta 1122" to "See Chart 11432"	53°49.0'S 71°01.0'W	
	Legend "Ver Carta 1122" to "See Chart 11432"	53°36.7'S 70°56.8'W	
	Legend "Ver Carta 1122" to "See Chart 11432"	53°35.6'S 70°57.3'W	
	Legend "Ver Carta 1122" to "See Chart 11432"	53°23.4'S 71°00.8'W	
	Legend "Ver Carta 1142" to "See Chart 11420"	53°18.3'S 70°21.0'W	
	Legend "Ver Carta 1114" to "See Chart 11700"	52°55.7'S 71°16.5'W	

(NTM0002/2003)

22433	3Ed. 2/15/97	LAST NM 47/02	11/03
Change	Beacon to WG, Fl(2) G 6s 6m 2M	54°54.7'S 68°18.2'W	
	(12(224)01 Valparaiso)		

24430	5Ed. 8/7/93	LAST NM 8/03	11/03
Add	Buoy BY, pillar, double cone topmark points upward, VQ [Q130.3]	10°08.2'N 64°49.6'W	
	Buoy BY, pillar, double cone topmark points upward, Q [Q130.3]	10°08.3'N 64°49.9'W	
	(8/03 Caracas)		

26309	26Ed. 6/3/95	LAST NM 17/02	11/03
Delete	Light	25°05'18.1"N 77°21'13.1"W	
Add	Buoy "2" R, conical, Fl R 4s	25°05'22.0"N 77°21'28.5"W	
	(NTM0004/2003)		

35144	3Ed. 3/14/87	LAST NM 4/01	11/03
Add	Legend "Works in progress (2002)"	59°00'01"N 2°58'35"W	
	(5(411)02 Taunton)		

36123	25Ed. 8/23/97	LAST NM 46/02	11/03
Add	Anchorage symbol [N10]	53°21.4'N 3°17.4'W	
	(23-24(2387)02 Taunton)		

37082	9Ed. 3/6/99	LAST NM 50/02	11/03
Relocate	Buoy from 50°43'02.4"N 1°38'04.8"W to 50°42'57.6"N 1°37'55.2"W		
	Buoy from 50°41'31.8"N 1°41'41.4"W to 50°41'34.2"N 1°41'33.0"W		
Add	Buoy Y, spherical, "X" topmark, with legend "(Apr-Oct)"	50°42'22.8"N 1°44'31.2"W	
	Buoy Y, spherical, "X" topmark, with legend "(Apr-Oct)"	50°43'55.2"N 1°41'27.0"W	
	Buoy Y, spherical, "X" topmark, with legend "(Apr-Oct)"	50°42'48.6"N 1°40'57.6"W	
	(23-24(2388)02 Taunton)		

44164 (Continued)
 Visibility (range) of light to 14-9M
 58°39'08.4"N 17°07'55.8"E
 (49(1290)99; 9(236)00 Norrkoping; Swd LL; BA LL)

44165 1Ed. 10/6/90 LAST NM 6/03 11/03
 Change Visibility (range) of light "Norra Fallbadan" to 9-6M 58°26'15"N 17°06'23"E

Add Range light, front Iso WRG 4s 8-5M with sectors white 297°48'-304°, red-315°, green-297°48' 58°40'27"N 17°19'18"E

Range line (dashed) extending 121° direction for 6250 yards from rear light 58°41'28"N 17°16'12"E

Legend "Lights in line 304°" centered above existing track line 58°39'25"N 17°22'15"E
 (Swd CH 6211; Swd LL)

44410 4Ed. 2/8/97 LAST NM 6/03 11/03
 Change Visibility (range) of light to 15M and delete legend "S Sig Sta" 57°34.5'N 21°43.3'E
 (2(22)02 Riga; BA LL)

44420 6Ed. 12/14/96 LAST NM 10/03 11/03
 Delete Racon and legend "S Sig Sta" from light 57°12.5'N 21°25.1'E

Change Visibility (range) of light to 15M and delete legend "S Sig Sta" 57°34.5'N 21°43.3'E
 (2(22)02 Riga; BA LL)

44430 2Ed. 6/22/96 LAST NM 10/03 11/03
 Add Danger circle "Obstn" [K40] 54°39.8'N 19°46.6'E
 (45(6975)02 St. Petersburg)

52080 14Ed. 2/8/97 LAST NM 10/03 11/03
 Change Characteristic of light to Fl G 5s 38°19.8'N 0°29.3'W
 (Spn CH 4722)

52082 3Ed. 9/16/00 LAST NM 48/02 11/03
 Delete Light 38°06'42"N 0°38'32"W

Add Light Fl(3) R 9s 8m 5M 38°06'42"N 0°38'17"W
 Pilot station symbol [T1.1] 38°18'34"N 0°28'56"W
 (41(740), 47(870)01 Cadiz)

52084 2Ed. 8/26/95 LAST NM 10/03 11/03
 (Plan B)
 Change Light to Fl G 5s 14m 11M 38°19'41.4"N 0°29'22.4"W
 (See 32/00-52084)

Add Buoy Y, conical, "X" topmark 38°18'09.3"N 0°30'28.6"W
 Pilot station symbol [T1.1] 38°18'33.6"N 0°28'55.8"W

"Being Reclaimed (2000)" area bound by shore and dashed line between 38°20'03.2"N 0°29'37.8"W
 38°20'04.1"N 0°29'31.0"W
 and delete hydrography within above limits

"Dredged to 12.5m (2000)" area [I22] bound by shore, above reclaimed area and dashed line between 38°20'01.6"N 0°29'43.1"W
 38°20'02.9"N 0°29'30.6"W
 and delete hydrography within above limits

"Dredged to 14.5m (2000)" area [I22] bound by above dredged area, existing dredged area and dashed line joining 38°20'02.9"N 0°29'30.6"W
 38°20'01.2"N 0°29'30.1"W
 38°19'54.4"N 0°29'22.0"W
 38°19'53.8"N 0°29'22.4"W
 38°19'54.7"N 0°29'24.3"W
 38°19'53.2"N 0°29'26.1"W

and delete "Dredged to 12.5m (1998)" area and all hydrography within above limits

"Being Reclaimed (2000)" area bound by shore and dashed line joining 38°19'45.5"N 0°29'37.8"W
 38°19'42.0"N 0°29'42.2"W
 38°19'53.2"N 0°29'55.7"W
 38°19'55.7"N 0°29'52.1"W
 and delete hydrography within above limits

Land tint to area bound by shore and solid line joining 38°19'49.2"N 0°30'06.5"W
 38°19'47.0"N 0°30'09.8"W
 38°19'51.4"N 0°30'15.0"W
 38°19'47.0"N 0°30'21.1"W
 38°19'44.4"N 0°30'18.3"W
 38°19'42.8"N 0°30'20.8"W
 38°19'43.7"N 0°30'21.1"W

Double solid line with land tint (breakwater) [F4.1] joining 38°19'47.4"N 0°30'08.1"W
 38°19'36.1"N 0°30'09.1"W
 38°19'34.0"N 0°30'12.0"W

Double solid line with land tint (breakwater) [F4.1] between 38°19'42.8"N 0°30'20.8"W
 38°19'38.8"N 0°30'16.5"W
 (47(870), 50(937)01 Cadiz; Spn CH 4722)

52085 3Ed. 3/2/96 LAST NM 4/03 11/03
 Change Characteristic of buoy to Fl(4) Y 11s 39°39'05"N 0°10'29"W
 (See 4/03-52085)
 (28(510)02 Cadiz)

52086 2Ed. 8/5/95 LAST NM 9/03 11/03
 Change Characteristic of buoy to Fl(4) Y 11s 39°39'05"N 0°10'29"W
 (See 4/03-52086)
 (28(510)02 Cadiz)

52088 2Ed. 3/30/96 LAST NM 10/03 11/03
 Change Light to Fl G 5s 14m 11M 38°19'41"N 0°29'22"W

Add Pilot station symbol [T1.1] 38°18'34"N 0°28'56"W
 (47(870)01 Cadiz; Spn CH 4722)

52120 12Ed. 11/14/87 LAST NM 6/03 11/03
 Delete AERO R Bn 41°17.0'N 2°00.7'E
 (14(261)02 Cadiz)

52121 8Ed. 8/12/95 LAST NM 8/03 11/03
 Relocate Buoy from 40°45'04"N 0°53'13"E to 40°45'04"N 0°53'51"E
 and change shape to can

Change Shape of buoy to can 40°49'36"N 0°46'15"E
 and add period 13s 40°49'45"N 0°46'22"E
 Shape of buoy to can and add period 13s 40°48'09"N 0°48'24"E
 Shape of buoy to can and add period 13s 40°48'18"N 0°48'28"E
 Shape of buoy to can and add period 13s 40°47'26"N 0°51'27"E
 Shape of buoy to can 40°47'41"N 0°51'43"E
 Shape of buoy to can 40°45'13"N 0°54'05"E
 (31(437)00 Cadiz; Spn LL)

52122 14Ed. 1/13/01 LAST NM 45/02 11/03
 Delete Topmark from buoy 41°18'08.2"N 2°10'38.7"E
 Buoy 41°20'52.8"N 2°13'10.2"E

Solid line between 41°22'24.0"N 2°11'14.4"E
 41°22'23.3"N 2°11'14.0"E

Add Buoy Y, spherical, Q(2) + L Fl 19s 41°20'03.6"N 2°13'01.2"E

Land tint to area bound by shore and solid line joining 41°22'23.6"N 2°11'14.3"E
 41°22'25.2"N 2°11'14.2"E
 41°22'25.7"N 2°11'13.1"E

Double solid line with land tint (pier) [F14] between 41°22'25.7"N 2°11'13.1"E
 41°22'24.0"N 2°11'12.3"E

Double solid line with land tint (pier) [F14] between 41°22'25.7"N 2°11'13.1"E
 41°22'25.1"N 2°11'12.1"E

(continued on next page)

★62033	3Ed. 2/1/03	NEW EDITION		N11/03
Delete	Purple composite line joining		26°54.6'N 50°26.6'E	
			27°02.7'N 50°32.0'E	
			27°02.2'N 50°35.0'E	
			26°53.2'N 50°33.1'E	
			26°52.7'N 50°29.2'E	
			26°54.6'N 50°26.6'E	
	(Previously published 8/03)			
Add	Purple composite line (restricted area limit) joining		26°52.7'N 50°29.2'E	
			26°55.3'N 50°25.7'E	
			27°02.6'N 50°32.0'E	
			27°01.8'N 50°37.1'E	
			26°52.7'N 50°29.2'E	
	(Previously published 8/03)			
	(NIMA)			
★62095	3Ed. 2/1/03	NEW EDITION		11/03
	(NIMA)			
★62191	15Ed. 2/1/03	NEW EDITION		11/03
	(NIMA)			
★62457	6Ed. 2/1/03	NEW EDITION		11/03
	(NIMA)			
★62510	3Ed. 2/1/03	NEW EDITION		11/03
	(NIMA)			
★62512	3Ed. 2/1/03	NEW EDITION		N11/03
	(NIMA)			
63020	15Ed. 6/26/93	LAST NM 9/03		11/03
Relocate	Light from 19°48.3'N 85°50.2'E to (15(308)02 Dehra Dun)		19°47.4'N 85°48.5'E	
63250	6Ed. 10/13/01	LAST NM 40/02		11/03
Add	Depth 17.6 meters "Rep (2002)"		8°57.2'N 78°30.7'E	
	Depth 22.7 meters "Rep (2002)"		8°57.3'N 78°31.9'E	
	Depth 20.9 meters "Rep (2002)"		9°00.2'N 78°35.8'E	
	Depth 17.1 meters "Rep (2002)"		9°01.9'N 78°44.3'E	
	Depth 22.7 meters "Rep (2002)"		9°00.9'N 78°52.3'E	
	(18(372)02 Dehra Dun)			
63310	5Ed. 9/17/83	LAST NM 5/99		11/03
Delete	Light		19°47'48"N 85°49'48"E	
Add	Light Fl(3) 20s 29m (15(308)02 Dehra Dun)		19°47'22"N 85°48'31"E	
63400	1Ed. 3/10/90	LAST NM 8/03		11/03
Delete	Submarine pipeline and legend "GAS CAUTION NO 7" joining		14°34.4'N 97°54.5'E	
			14°53.6'N 97°51.9'E	
			15°05.2'N 94°51.8'E	
			15°07.4'N 94°46.9'E	
	(See 8/03-63400)			
Add	Submarine pipeline with legend "GAS CAUTION NO 7" joining		14°34.4'N 97°54.5'E	
			14°33.6'N 97°51.9'E	
			15°05.2'N 94°51.8'E	
			15°07.4'N 94°46.9'E	
	(1, 4/01 Rangoon)			
★71430	3Ed. 1/18/03	NEW EDITION		11/03
	(NIMA)			
★71440	2Ed. 1/18/03	NEW EDITION		11/03
	(NIMA)			
★71455	2Ed. 12/14/02	NEW EDITION		11/03
	(NIMA)			
72007	10Ed. 8/31/96	LAST NM 7/03		11/03
Add	Light Fl G 10M, 2 Fl R 10M (29(229-231)02 Jakarta)		2°28.6'S 119°06.6'E	
72105	2Ed. 7/6/96	LAST NM 7/03		11/03
Add	Light Fl G 10M		2°28.6'S 119°06.6'E	
	Light 2 Fl R 10M		2°28.4'S 119°06.8'E	
	(29(229-231)02 Jakarta)			
72131	3Ed. 4/13/85	LAST NM 13/02		11/03
	(Plan C)			
Add	Beacon G, cone topmark, Fl G 5s 23ft 10M [Q130.1]		2°28'34.0"S 119°06'34.0"E	
	Beacon R, can topmark, Fl R 4s 23ft 10M [Q130.1]		2°28'25.0"S 119°06'48.0"E	
	Beacon R, can topmark, Fl R 4s 23ft 10M [Q130.1]		2°28'23.0"S 119°07'03.0"E	
	(29(229-231)02 Jakarta)			
72181	2Ed. 11/28/98	LAST NM 7/03		11/03
	(Panel A)			
Add	Beacon G, cone topmark, Fl G 5s 7m 10M [Q130.1]		2°28'34"S 119°06'34"E	
	Beacon R, can topmark, Fl R 4s 7m 10M [Q130.1]		2°28'25"S 119°06'48"E	
	Beacon R, can topmark, Fl R 4s 7m 10M [Q130.1]		2°28'23"S 119°07'03"E	
	(29(229-231)02 Jakarta)			
73002	4Ed. 11/29/97	LAST NM 5/03		11/03
Add	Beacon R, can topmark, Fl R 4s 8m 10M [Q130.1]		6°06.7'S 120°27.1'E	
	(29(228)02 Jakarta)			
73008	8Ed. 3/9/96	LAST NM 16/02		11/03
Add	Light Fl R 4s 8m 10M		3°41.5'S 120°26.3'E	
	Light Fl R 4s 8m 10M		6°06.7'S 120°27.1'E	
	(29(227, 228)02 Jakarta)			
★73012	6Ed. 1/18/03	NEW EDITION		11/03
	(NIMA)			
93721	5Ed. 6/5/99	LAST NM 4/03		11/03
Add	Buoy BRB, pillar, double ball topmark, Fl(2) 5s		22°08'38"N 113°46'40"E	
	Dangerous wreck [K28] (PA)		22°26'12"N 113°52'36"E	
	(52(977, 989)02 Tianjin)			
94028	7Ed. 9/16/95	LAST NM 9/03		11/03
Add	"Maritime Firing Area" [N30] bound by purple dashed line joining		35°47.0'N 129°40.1'E	
			35°43.0'N 129°12.2'E	
			35°37.6'N 129°12.2'E	
			35°27.9'N 129°51.8'E	
			35°27.9'N 129°40.1'E	
	(21(252)00 Inchon)			
94067	10Ed. 6/1/96	LAST NM 10/03		11/03
Add	"Fish haven" area with blue tint [K46.1] bound by shore and dotted line (limiting danger line) joining		23°29'46"N 119°32'03"E	
			23°30'02"N 119°32'03"E	
			23°29'50"N 119°31'11"E	
			23°29'31"N 119°31'14"E	
	"Fish haven" area with blue tint [K46.1] bound by shore and dotted line (limiting danger line) joining		23°29'37"N 119°32'38"E	
			23°28'49"N 119°32'32"E	
			23°28'22"N 119°31'05"E	
			23°28'55"N 119°30'45"E	
	"Fish haven" area with blue tint [K46.1] bound by shore and dotted line (limiting danger line) joining		23°30'26"N 119°36'26"E	
			23°29'38"N 119°36'23"E	
			23°29'28"N 119°36'27"E	
			23°29'42"N 119°35'00"E	
			23°30'25"N 119°34'28"E	
	(continued on next page)			

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94067	(Continued)			
	"Fish haven" area with blue tint [K46.1] bound by shore and dotted line (limiting danger line) joining	23°32'24"N 119°37'29"E 23°31'58"N 119°37'41"E 23°31'37"N 119°36'23"E		
	"Fish haven" area with blue tint [K46.1] bound by shore and dotted line (limiting danger line) joining	23°33'27"N 119°38'35"E 23°31'27"N 119°40'14"E 23°30'40"N 119°38'50"E 23°32'35"N 119°37'33"E		
	"Fish haven" area with blue tint [K46.1] bound by dotted line (limiting danger line) joining	23°37'15"N 119°40'56"E 23°36'42"N 119°42'01"E 23°35'17"N 119°41'38"E 23°36'17"N 119°40'43"E		
	"Fish haven" area with blue tint [K46.1] bound by dotted line (limiting danger line) joining	23°41'29"N 119°40'28"E 23°41'29"N 119°42'11"E 23°39'01"N 119°42'11"E 23°39'01"N 119°40'28"E		
	"Fish haven" area with blue tint [K46.1] bound by shore and dotted line (limiting danger line) joining	23°37'53"N 119°30'06"E 23°36'54"N 119°29'50"E 23°36'54"N 119°30'17"E		
	"Fish haven" area with blue tint [K46.1] bound by shore and dotted line (limiting danger line) joining	23°36'49"N 119°30'24"E 23°36'45"N 119°29'48"E 23°36'11"N 119°29'38"E 23°35'57"N 119°30'13"E		
	"Fish haven" area with blue tint [K46.1] bound by shore and dotted line (limiting danger line) joining	23°35'43"N 119°30'16"E 23°36'05"N 119°29'36"E 23°35'36"N 119°29'30"E 23°35'36"N 119°29'36"E		
	"Fish haven" area with blue tint [K46.1] bound by dotted line (limiting danger line) joining	23°21'49"N 119°32'47"E 23°21'00"N 119°33'20"E 23°20'20"N 119°31'29"E 23°21'10"N 119°32'05"E		
	"Fish haven" area with blue tint [K46.1] bound by dotted line (limiting danger line) joining	23°20'42"N 119°31'32"E 23°19'13"N 119°31'32"E 23°19'13"N 119°29'34"E 23°20'42"N 119°28'50"E		
	"Fish haven" area with blue tint [K46.1] bound by dotted line (limiting danger line) joining	23°20'42"N 119°28'42"E 23°19'13"N 119°29'26"E 23°19'13"N 119°28'03"E 23°20'42"N 119°28'03"E		
	"Fish haven" area with blue tint [K46.1] bound by shore and dotted line (limiting danger line) joining	23°11'47"N 119°25'06"E 23°12'04"N 119°24'56"E 23°12'18"N 119°25'05"E		
	"Fish haven" area with blue tint [K46.1] bound by shore and dotted line (limiting danger line) joining	23°12'21"N 119°24'59"E 23°12'05"N 119°24'58"E 23°12'49"N 119°24'39"E		
	(73/00, 3/03 Tso-ying)			
94203	10Ed. 11/21/98 LAST NM 10/03			11/03
	Add Dangerous wreck [K28]	30°30'21"N 121°55'00"E		
	Wreck [K29] (PA)	30°47'03"N 122°35'24"E		
	(52(975, 976)02 Tianjin)			
94206	3Ed. 3/8/86 LAST NM 52/02			11/03
	Add Dangerous wreck [K28]	30°30'08"N 121°54'39"E		
	(52(976)02 Tianjin)			
94207	5Ed. 4/6/96 LAST NM N52/02			11/03
	Add Dangerous wreck [K28]	30°30'21"N 121°55'00"E		
	(52(976)02 Tianjin)			
94220	4Ed. 9/23/95 LAST NM 10/03			11/03
	Add Wreck [K29] (PA)	30°47.0'N 122°35.4'E		
	(52(975)02 Tianjin)			
94260	5Ed. 8/26/95 LAST NM 6/03			11/03
	Add Buoy RW, pillar, ball topmark, L Fl 10s	33°33.2'N 120°45.5'E		
	Buoy RW, pillar, ball topmark, Mo(A) 6s	33°29.3'N 120°47.0'E		
	Buoy RW, pillar, ball topmark, L Fl 10s	33°27.4'N 120°47.7'E		
	Buoy RW, pillar, ball topmark, Mo(A) 6s	33°23.5'N 120°49.1'E		
	Buoy RW, pillar, ball topmark, L Fl 10s	33°21.6'N 120°49.8'E		
	Buoy RW, pillar, ball topmark, Iso 4s	33°31.2'N 120°46.3'E		
	Buoy RW, pillar, ball topmark, Iso 4s	33°25.4'N 120°48.4'E		
	(2(23)03 Tianjin)			
94420	3Ed. 9/23/95 LAST NM 8/03			11/03
	Add Depth 13.4 meters	40°09.5'N 120°36.2'E		
	Depth 13.6 meters	40°05.7'N 120°36.2'E		
	(2(27)03 Tianjin)			
94423	12Ed. 1/21/95 LAST NM 45/02			11/03
	Add Buoy "9" G, pillar, cone topmark, Fl G 4s	38°58'07.3"N 121°39'17.3"E		
	Buoy "10" R, pillar, can topmark, Fl R 4s	38°57'59.8"N 121°39'05.9"E		
	(See 16/97-94423)			
	(2(22)03 Tianjin)			
95040	8Ed. 7/22/95 LAST NM 40/02			11/03
	Add "Maritime Firing Area" [N30] bound by purple dashed line joining	37°56'00"N 124°41'00"E 37°56'00"N 124°44'00"E 37°45'00"N 124°50'00"E 37°45'00"N 124°47'00"E		
	(21(259)00 Inchon)			
95060	13Ed. 8/5/95 LAST NM 6/03			11/03
	Add "Maritime Firing Area" [N30] bound by purple dashed line joining	37°56.0'N 124°41.0'E 37°56.0'N 124°44.0'E 37°45.0'N 124°50.0'E 37°45.0'N 124°47.0'E		
	(21(259)00 Inchon)			
95082	9Ed. 5/28/94 LAST NM 7/03			11/03
	Add Position circle "Pyl" [D26]	35°51'18"N 126°19'34"E		
	Position circle "Pyl" [D26]	35°51'14"N 126°19'56"E		
	Position circle "Pyl" [D26]	35°51'08"N 126°20'38"E		
	Dashed line (overhead power cable) [D26] joining above position circles			
	Position circle "Pyl" [D26]	35°51'00"N 126°21'14"E		
	Position circle "Pyl" [D26]	35°50'53"N 126°21'32"E		
	Dashed line (overhead power cable) [D26] between above position circles			
	(22(279)00 Inchon)			
95085	4Ed. 6/11/94 LAST NM 6/03			11/03
	Delete Position circle "R TR (Obstn Lt)"	34°47'18.0"N 126°22'56.0"E		
	Substitute Double solid line with land tint (causeway) for double dashed line between	34°45'07.0"N 126°21'45.0"E 34°45'03.0"N 126°21'58.0"E		

(continued on next page)

- 95085** (Continued)
 Add Double solid line with land tint (causeway) between 34°44'59.0"N 126°22'14.0"E
 34°44'57.0"N 126°22'22.0"E
 (22(272, 273)00 Inchon)
- 95086** 5Ed. 6/18/94 LAST NM 8/03 11/03
 Delete Position circle "Weather Station (R Lt)" 34°47'18.0"N 126°22'55.0"E
 (See 47/98-95086)
 Substitute Double solid line with land tint (causeway) for double dashed line between 34°45'06.7"N 126°21'45.0"E
 34°45'03.2"N 126°21'58.0"E
 Add Double solid line with land tint (causeway) [D22] between 34°44'59.0"N 126°22'14.0"E
 34°44'57.0"N 126°22'22.0"E
 (Plan)
 Delete Position circle "Weather Station (Obstr Lt)" 34°47'18.0"N 126°22'55.0"E
 (22(272, 273)00 Inchon)
- 95143** 11Ed. 5/15/99 LAST NM 10/03 11/03
 Add Dashed-line circle "Marine farm" 34°51'34"N 128°15'30"E
 Dashed-line circle "Marine farm" 34°51'53"N 128°14'32"E
 Dashed-line circle "Marine farm" 34°52'07"N 128°14'28"E
 Dashed-line circle "Marine farm" 34°51'54"N 128°14'10"E
 Dashed-line circle "Marine farm" 34°52'07"N 128°14'10"E
 Dashed-line circle "Marine farm" 34°52'05"N 128°13'53"E
 Dashed-line circle "Marine farm" 34°52'08"N 128°13'35"E
 (21(177-183)00 Inchon)
- 95144** 9Ed. 5/15/99 LAST NM 10/03 11/03
 Add Dashed-line circle "Marine farm" 34°51'34"N 128°15'30"E
 Dashed-line circle "Marine farm" 34°51'53"N 128°14'32"E
 Dashed-line circle "Marine farm" 34°52'07"N 128°14'28"E
 Dashed-line circle "Marine farm" 34°51'54"N 128°14'10"E
 Dashed-line circle "Marine farm" 34°52'07"N 128°14'10"E
 Dashed-line circle "Marine farm" 34°52'05"N 128°13'53"E
 Dashed-line circle "Marine farm" 34°52'08"N 128°13'35"E
 (21(177-183)00 Inchon)
- 95160** 13Ed. 8/19/95 LAST NM 9/03 11/03
 Add "Maritime Firing Area" [N30] bound by purple dashed line joining 35°47.0'N 129°40.1'E
 35°43.0'N 129°12.2'E
 35°37.6'N 129°12.2'E
 35°27.9'N 129°51.8'E
 35°27.9'N 129°40.1'E
 (21(252)00 Inchon)
- 95167** 10Ed. 9/26/98 LAST NM 9/03 11/03
 Substitute Depth 6.4 meters for 9.7 meters 36°01'46.7"N 129°26'01.0"E
 (3(33)03 Inchon)
- 95169** 2Ed. 2/26/94 LAST NM 52/02 11/03
 Substitute Depth 8.9 meters for 9.7 meters 38°12'06.9"N 128°36'15.4"E
 Depth 7.9 meters for 10.3 meters 38°12'19.9"N 128°36'03.4"E
 (3(32)03 Inchon)
- 95176** 2Ed. 2/24/01 LAST NM 8/03 11/03
 Relocate Light from 37°25'59.0"N 129°11'44.7"E to 37°25'56.7"N 129°11'47.8"E
 Add Double solid line with land tint (breakwater extension) between 37°25'56.7"N 129°11'47.8"E
 37°25'59.0"N 129°11'44.7"E
 (3(30, 31)03 Inchon)

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Chart 11524

NM 11/03

CHARLESTON HARBOR, COOPER RIVER AND SHIPYARD RIVER TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS- REPORT OF NOV 2000 AND SURVEYS TO NOV 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)
FORT SUMTER RANGE	44.9	47.5	47.4	45.6	5-02	1000	9.0	47
MOUNT PLEASANT RANGE	45.7	46.6	46.9	47.7	11-02	1000-600	1.6	45
REBELLION REACH	47.2	47.8	47.2	47.8	11-02	600	1.4	45
SHUTES-FOLLY REACH	46.2	47.3	47.6	47.6	10-02	600-800	1.3	45
HORSE REACH	47.5	48.3	48.2	44.6	5,11-02	800	0.5	45
CUSTOMHOUSE REACH	34.9	48.3	48.6	46.2	5,11-02	1385	0.2	45
SOUTH CHANNEL	24.4	24.8	24.5	A24.3	10-96	600-1000	3.1	45
HOG ISLAND REACH	46.7	47.3	43.2	39.2	11-02	600-1300	1.5	45
DRUM ISLAND REACH	45.0	47.8	48.0	44.7	10-02	600-1300	0.7	45
TOWN CREEK LOWER REACH	34.6	38.9	39.0	35.9	11-02	400-450	1.1	45
TURNING BASIN	36.5	34.3	34.2	33.4	5-02	250	0.25	45
TOWN CREEK UPPER REACH	35.2	40.2	40.9	40.5	11-01;5-02	250	1.0	45
MYERS BEND	42.0	47.2	48.1	48.0	11-01;10-02	600-900	0.4	45
DANIEL ISLAND REACH	39.7	43.3	45.7	40.4	10-02	880-980	1.2	45
DANIEL ISLAND BEND	48.7	48.3	48.8	48.5	10-02	700-780	0.4	45
CLOUTER CREEK REACH	41.7	42.7	42.9	40.8	10-02	600	0.9	45
NAVY YARD REACH	38.9	43.0	41.9	35.0	10-02	600-700	1.1	45
NORTH CHARLESTON REACH	34.3	42.5	42.6	43.2	10-02	500-600	1.0	45
FILBIN CREEK REACH	39.8	41.6	42.7	43.4	10-02	500	0.6	45
PORT TERMINAL REACH	36.7	42.6	41.8	41.4	10-02	600	0.7	45
ORDNANCE REACH	37.8	35.8	36.3	36.9	10-02	600	0.3	45
ORDNANCE REACH TURNING BASIN	44.6	43.9	43.1	43.0	10-02	800	0.26	45
WANDO RIVER								
LOWER REACH	42.7	45.6	46.7	36.5	5,10-02	1500-400	1.3	45
UPPER REACH	B41.7	B41.9	B47.8	B42.2	10-02	400-850	0.74	45
TURNING BASIN	41.5	38.6	43.7	45.8	10-02	550	0.3	45
SHIPYARD CREEK								
MAIN CHANNEL	26.2	27.4	29.0	27.2	8,10-00	1200-300	1.0	30
LOWER TURNING BASIN	37.9	38.9	40.0	40.8	8,10-00	700	0.2	38
UPPER TURNING BASIN	22.0	23.4	23.7	24.7	8,10-00	600	0.15	30
COOPER RIVER								
RANGE A	38.7	37.4	38.3	38.9	7,8-98;12-99	400-1350	1.02	35
RANGE B	20.5	25.2	36.4	37.0	12-99	VARIES	0.74	35
RANGE C	20.6	26.1	38.3	36.1	7,8-98;12-99;1-00	VARIES	0.76	35
RANGE D	30.2	37.4	37.8	37.1	2-00	VARIES	0.58	35
RANGE E	32.1	34.8	38.2	36.3	1-95	VARIES	0.38	35
RANGE F	25.0	36.6	35.2	33.9	1-95	VARIES	0.29	35

A. ALONG CHANNEL EDGE
B. FROM BOUY 8 TO END OF REACH SHOALING OCCURS WITH MIN DEPTH OF 36 FT
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

**CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 11/03**

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	11312	3	2*,4,7,8,21,26,28,36,46/02;1,6,7/03	11373	42	31*,33,37,40,41,42,45,49/02;7,9/03	11489	34	8/03*
50	5	5,8,17/02	11313	22	4,31/02	11374	31	45*,49,50/02;1,2,7,8,9/03	11490	17	2/02
51	1	7/02	11314	21	4,8,14/02	11375	35	1*,2,5,7,9/03	11491	33	2,18,22,28,29,30,34,37,38/02
52	1	14,18/02	11315	30	37/02*	11376	48	9*,13,15,16,21,22,23,25,27,29,31,40,43,50/02;2,7/03	11492	19	9/02*
53	2	5,17/02	11316	38	4,11,13,14,16,21,25,36,37,40,49/02	11377	4	26*,40,50/02;2/03	11493	9	N11,N24,N39/02
70	4	7/03	11317	29	20*,21,25,37,40,49/02	11378	32	11/03*	11494	8	N11,N12,N24,N39/02
71	4	7/03	11318	1	N6,N7,N12,N21,N29,N46/02;N6/03	11378	32	11/03*	11495	16	19/02*
72	4	7/03	11319	30	11,13,25,40/02	11382	39	46/02*;9/03	11496	9	N6,N32,N35/02;N1/03
101	3	48/02	11320	1	N8,N9,N28/02	11383	49	19*,22,27,30,32/02;9/03	11498	16	19/02*
108	9	12,13,32,35/02	11321	29	12*,22,28,39,40,41,45/02	11384	32	3,10,18,22,30,32/02;9/03	11502	28	11/02
302	1	2/03	11322	27	21,22,24,36,37,49/02;4/03	11385	25	23/02*	11503	39	38*,39,43/02
310	20	2/03	11323	59	26*,28,33,37,39,45/02;1,6,7,9/03	11388	16	7,10,17/02	11505	1	4,11,16,18,26,28,31,34,40,49/02;1,4,5,11/03
400	3	23,26,31,32,33,35,45/02	11324	32	22*,24,25,31,33,37/02;1,6,7,9,10/03	11389	32	2*,7,8,11,18,23,28,33,37/02;2,7/03	11506	40	10/03*
401	5	22,23,26,31,33,35,45/02	11325	34	19*,21,24,35,37,49/02;4,6,8/03	11390	22	23*,27,33,34,37/02;7/03	11507	31	9/03*
411	48	11,13,16,22,23,26,31,32,33,35,40,42,45,50/02;5,6/03	11326	31	7*,9/03	11391	22	6,8,18,23,33,34/02;7/03	11508	21	10/03*
500	7	5/02	11327	30	5,7,10,11,16,21,22,24,28,37,49/02;1/03	11392	6	2,10,34/02	11509	27	12*,20/02;1,11/03
501	12	9*,10/03	11328	22	6,7,9,10,21,36,37,39,47,49/02;4,6/03	11393	20	5*,7,8,11,18/02	11510	18	34/02
502	2	52/02	11329	34	12*,21,24,36,37,39,47,49/02;1,4,8,10/03	11396	2	2,10,34/02	11511	16	12/02*;11/03
507	2	45/02	11330	14	2*,4,6,7,8/03	11400	34	9*,11,23,39/02;4,9,11/03	11512	59	10*,11/03
508	2	15,24,45/02	11331	18	11,17,23/02;8/03	11401	29	8,23/02	11513	23	4,18,32,49/02;1/03
509	4	14/02	11332	28	42*,43,49,51/02;6/03	11402	21	15,23,50/02;9/03	11514	26	37*,40,49/02;4,5/03
513	6	5,17,38/02	11333	1	N28/02	11404	28	31/02*;9/03	11515	17	10/02*
520	127	5,8,20,38/02	11334	67	2*,5,6,7,8,9/03	11405	28	31/02*;9/03	11516	29	7*,18,24,37,49/02
521	11	5,17/02	11341	38	6,7,9,10,11,12,16,18,21,22,23,24,28,30,31,34,36,37,39,43,49/02	11406	11	9/03	11517	17	32/02
522	87	14,18/02	11342	51	7,11,14,17,21,23,24,30,37,43,49/02;4,8/03	11407	18	15/02*	11518	32	6,15,16,32,35,43,48,52/02;11/03
523	8	5,17/02	11343	36	7,17,21,23,37,40,49/02;4,8/03	11408	28	3/03*	11520	40	31*,39,40,44,46,51/02;4,6,7,8/03
524	12	14,18,47/02	11344	35	9/03*	11409	27	4,11/03	11521	26	15*,17,32,35/02;9/03
525	3	14,18/02	11345	31	9/03*	11411	14	43*,45/02;7/03	11523	21	15*,17,32,35,52/02;5,9/03
526	10	7,9,12,18,47/02;6/03	11347	33	42*,43,47,49/02;4,6,7,8/03	11412	41	42*,45/02;1,6,7,11/03	11524	46	8*,11/03
530	30	22*,26,37,38,40,52/02;6,10/03	11348	19	23/02;6,7/03	11415	5	42*,45/02;1,2,7/03	11525	6	N2,N12,N14,N17,N19,N23,N39,N40,N44,N46,N51/02;N4,N6,N8/03
531	21	18*,47,52/02	11349	40	38*,42,51/02	11416	5	42,48/02;1,2,6,11/03	11527	16	12,37/02
532	17	5,17,38/02	11350	24	15/02*	11420	26	5,20,39,42/02;4,7,8/03	11531	21	31/02*;11/03
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;5,6,7,8/03	11423	7	N20,N24,N39,N42/02;N4,N8/03	11532	20	15*,37/02
541	2	6/03	11352	36	3*,7,8,9/03	11424	17	21,24,36,42/02;4/03	11533	31	2*,9,13,14,32/02;7/03
550	7	18,24,45/02;6/03	11353	2	21*,24,25,26,35,38,43,45,49/02;4,5,7/03	11425	34	46*,49/02;4/03	11534	12	12*,25,46/02
601	4	14/02;6,8/03	11354	23	5,6,8,12,15,16,19,22,27,28,33,37,38,40,47,51/02;7,8/03	11426	35	31/02*	11535	15	19*,40/02;4,7/03
602	6	12,47/02;6/03	11355	24	37*,40,51/02	11427	33	2/03*	11537	33	7*,8,9,13,17,20,23,31,32,33,39,40,42,44,50/02;4,5,7,10/03
603	6	47/02;10/03	11356	34	9,11,12,13,28,29,39,40,42,45,47,51/02;6,7/03	11428	32	52/02*;6/03	11539	18	2,9,39,44,51/02;6/03
604	5	12,18/02	11357	35	36*,37,40,42,51/02;6,9/03	11429	21	47/02*	11541	33	8*,9/03
605	4	9,12/02;6/03	11358	51	23*,24,26,27,31,39,42,51/02;7/03	11430	24	16/02	11542	15	39/02
606	1	9/02	11359	11	22*,26,39/02	11431	12	31/02*	11543	22	13,18,29,39/02;8/03
607	1	7/02	11360	40	1*,2,5,6,8/03	11434	24	21/02*	11544	37	36/02*;8/03
621	5	7,22/02	11361	69	13*,16,17,19,22,24,25,26,27,31,34,36,45,51/02;6/03	11435	13	N20/02;N8/03	11545	60	45*,47/02;6,8/03
622	9	9,12,14,20,47/02;6/03	11362	4	N5,N6,N7,N8,N10,N12,N13,N14,N16,N17,N18,N22,N23,N24,N28,N29,N31,N33,N36,N39,N40,N47/02;N2,N5,N6,N8/03	11438	11	7,8/03	11547	35	22*,25,29,30,37,47/02;6,8/03
623	9	14,47/02	11363	38	26*,29,35,38,40,43,49,51/02;4,5,7/03	11439	25	15/02*;6,7/03	11548	38	47/02*
624	3	22/02	11364	39	3*,4,5,8,9/03	11441	39	13,36/02;6,7/03	11549	16	7/03
632	8	15,24,45/02	11365	17	52/02*;9/03	11442	33	6,7/03	11553	28	8/03*
702	5	7/03	11366	7	48*,51/02;5,6,7,8/03	11443	30	7/03	11555	38	36/02*;7/03
703	4	46/02;7/03	11367	31	5,12,16,17,25,33/02	11444	14	7/03	12200	47	38*,42,52/02;7/03
705	3	12,46,52/02	11368	22	38/02*	11445	16	28/02;7/03	12201	25	N14,N15,N17,N19,N23,N42,N52/02;N7/03
709	2	50/02	11369	44	9/03*	11446	36	52/02*	12204	35	10/03*
800	4	17/02	11370	23	2*,5,6,17,31,33,40,51/02;9/03	11447	37	47*,50/02;4/03	12205	27	37*,43,52/02
803	1	8,17/02	11371	35	9/02;7/03	11448	39	42*,43,49/02	12206	29	31*,33,38,46/02;10/03
1113A		5,20,39,42/02;4,7,8/03	11372	30	2*,7,8,10/03	11449	5	4,5,8,15,24,27,35,50/02;7,9/03	12207	20	2,11,23,50,52/02
1114A		9*,11,23,39/02;4,9,11/03				11470	36	10/03*	12208	8	12*,18,23,50,52/02
1115A		1*,2,5,6,8/03				11472	31	8/03*	12210	36	8/03*
1116A		2*,5,6,7,8,9/03				11474	10	16/02;6/03	12211	41	10/03*
1117A		28*,30,31,37,39,40,41,42,45,51/02;1,6,7,8/03				11475	16	16,27,51/02	12214	43	5,11,12,23,26,27,42/02
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;5,6,7,8,9/03				11476	19	16/02;6/03	12216	27	47/02*
11006	30	28*,36,39,40/02;2,6/03				11477	6	N2,N16/02	12221	73	52/02*;1,4,6,7/03
11009	36	2*,5,12,19,23,24,32,35,44,51/02;6/03				11478	19	2,4,15,16,31,49/02;6/03	12222	42	13*,27,30,33,34,38,43,44,46,50,52/02;5,6,10,11/03
11013	44	18*,20,35,50/02;6,7,8,9/03				11479	4	N5,N8,N12,N15,N24,N27,N28,N29,N35,N50/02;N6/03	12224	23	8/03*
11300	38	26*,28,30,31,37,39,40,41,42,45,51/02;1,6,7,8/03				11480	37	6,32,35/02;1/03	12225	53	28*,30,31,47/02;4,6,7/03
11301	23	7,10,14,21,37/02				11481	4	42*,49/02;6/03	12226	16	2*,22,30/02;7/03
11302	29	34*,37/02				11484	21	15,16/02	12228	29	43/02*
11304	12	10/02				11485	32	15,34/02	12230	59	52/02*;1,7/03
11305	1	N6,N7,N11,N21,N26,N29,N36,N46/02;N1,N6,N7/03				11487	19	9/02*	12231	26	9*,14,31,35,46/02;7/03
11307	36	9,13,28,31/02				11488	24	7/03	12233	35	3*,4,5,6/03
11308	22	3*,7,10/03							12235	29	13*,30,31,47/02;4,6,7/03
11309	36	13*,14,21,26,28,36,46/02;1,6,7/03							12237	26	14,27,47/02
11310	1	N4,N7,N8,N21,N46/02							12238	37	46/02*;1,4,7/03
11311	23	15*,21,46/02							12241	21	9*,14,16,34,44/02;7/03
									12243	13	5/02

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 11/03

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.
12245	60	12*,14,15,27,30,33,38,46,49,50,52/02;5,6,8,11/03	13000		N8,N11,N12,N13,N21,N25,N48,N49/02	13325	14	5/02;2/03	14842	12	4,18,23,39/02;2,4/03
			13003	46	9/03*	13326	12	41,43/02	14843	22	23,39,51/02
12248	39	18*,30,33,40,50/02;4,5,6,8/03	13006	30	39*,44,48,49,50/02;1,5,9/03	13392	2	6/03	14844	31	4,18/02;4/03
						13394	3	39/02*;9/03	14845	26	4,18/02;4/03
12251	23	10,35/02;4,6,7/03	13009	30	42*,48,49/02;1,9/03	13396	4	13/02*;9/03	14846	11	18,23,24,39,40/02;2/03
12252	23	5,33,34/02;4,7,10/03	13200	33	13*,25,37,48/02;7,9/03	13398	3	19*,36/02	14847	30	24,40/02
12253	42	9*,33,38,42,46,50/02;10/03	13201	10	N13,N25,N37,N48/02;N9/03	14002	57	21/02	14848	56	9*,23,24,31/02;9/03
						14003	6	11,12,13,16,25,48,49/02;5,9/03	14850	51	21*,23/02;7/03
12254	43	38*,43,44/02	13203	12	37/02	14008	76	21/02	14852	44	9*,20,23,25,26,37/02;7/03
12255	15	13*,44/02	13204	12	13/02	14010	5	21,35/02	14853	13	21*,23,24,25,26,31,37/02;7,9/03
12256	13	19*,33,44/02	13205	36	9,12,37,42,45,48/02;1,5/03	14018	6	16/02			
12261	28	37*,44/02;7/03				14024	5	33,36,39/02	14854	13	24/02
12263	51	38/02*;7/03	13209	23	14,37/02	14040	65	40/02	14860	35	8*,21,24/02
12264	28	38/02*;7/03	13211	13	9,21,23,47/02	14044	44	6/03	14862	28	26/02*
12266	27	30/02	13212	35	9/03*	14061	27	6,9/03	14863	30	5*,10,24/02
12268	10	22/02*	13213	39	8,45/02;6/03	14066	19	6/03	14864	26	24,37/02
12270	32	9/03*	13214	27	34*,45,48/02;5/03	14067	11	6/03	14865	16	4/03
12272	29	26*,27,36,45/02	13215	17	9,14,45,48/02;1,5/03	14083	30	33/02	14867	25	6,32/02
12273	53	26*,31,36,45,50/02;5/03	13216	1	N12,N48/02	14087	58	33/02	14869	26	9/02*
12274	33	37*,50/02;5/03	13217	14	14/02	14088	10	41/02*	14871	2	21/02
12277	31	26*,50/02;8/03	13218	38	11,29,42,45,51/02;5/03	14089	29	41/02*	14872	3	21/02
12278	72	26*,36,45/02	13219	12	14/02	14090	2	33/02	14873	2	35/02
12280	3	37*,43,45,46,47,50,52/02;1,6,7/03	13221	53	2,4,15,29,44,51/02;2,5,7/03	14091	6	41/02*	14880	30	33/02;4/03
						14144	29	21/02	14881	31	28*,33/02
12281	49	15/02	13223	36	2*,15,52/02;2/03	14151	2	37/02	14883	42	6,17,23/02
12282	33	31*,44/02;7,8/03	13224	36	7*,44/02;5/03	14180	38	21/02	14885	20	51/02
12283	24	3,5/02;8/03	13226	5	2,4,5,44/02;6,7/03	14185	2	3/02	14886	10	8/02
12284	15	7/03	13227	13	2,4,5/02;7/03	14203	12	19/02	14901	14	52/02*;5/03
12285	35	11/03*	13228	11	51,52/02	14204	21	19/02	14902	28	24,25,31/02;4/03
12286	29	2*,4,6/03	13229	27	11,17,39,42,45,52/02;1,7/03	14206	20	19/02	14903	22	8,23,32/02
12287	17	2/02				14208	28	40/02	14904	25	5,17,31,32,46/02
12288	19	2,27/02	13230	46	2*,7/03	14221	26	40,46/02	14905	29	31,35,37/02;5/03
12289	48	10/03*	13232	4	11,39,42/02	14222	16	46/02	14906	23	5/03
12300	42	17,18,19,28,29,37,39,42,45/02;5/03	13233	16	17/02;10/03	14223	18	3/03	14907	25	2*,13,17/02
			13235	5	17/02	14225	17	38/02	14908	17	13/02
12301	21	N20*,N28,N29,N37,N39,N42,N45/02;N5/03	13236	29	45/02;1,7/03	14226	32	40/02;6/03	14910	22	25,31/02
12304	42	28*,42,52/02	13237	38	2,4,17,42,48/02;7,10/03	14227	28	40/02;6/03	14911	20	4/03
12311	41	2,4,15,18,28,31,42,50,52/02;8/03	13241	15	21*,34,42/02	14228	11	40/02;6/03	14916	10	45/02*
			13244	39	22*,48/02;7/03	14240	6	16,34/02;1/03	14917	23	17/02;3/03
12312	52	10/03*	13246	36	11,26,27/02;8/03	14242	13	34/02	14918	26	25/02
12313	48	5,9,14,18,21,27,31,33,43,52/02	13253	18	3*,8/03	14243	8	19,34/02	14919	27	10,24/02
			13260	38	28*,36,43,48,49,50/02;1,7,9/03	14244	5	19/02	14922	19	26*,51/02;9/03
12314	30	46*,50/02;5/03	13263	7	N2,N8,N11,N20,N21,N25,N27,N36,N43,N48,N49/02;N1,N7,N9/03	14260	47	35/02	14924	27	28*,32/02;5/03
12316	29	2*/6/03				14280	37	35/02	14926	9	18,31,32,35,37/02
12317	31	15*,26,37,50/02				14310	2	52/02	14927	24	21*,31,32,35,37/02
12318	41	9/03*	13264	103	5,21,36,49/02;9/03	14340	25	16,17,26,33,37,40,52/02	14928	21	4/03*
12323	23	19,40/02;4/03	13267	30	6*,12,17,19,27,52/02;1,7,9/03	14342	20	52/02	14929	23	18,31,32/02
12324	30	2*,8/03				14344	2	37,40/02	14930	24	45/02
12326	48	12,17,18,27,28/02;4,8/03	13270	59	2,3,5,9,17,19,33,34,40,43/02;1,2,7/03	14345	5	37,40/02	14931	24	35/02*
12327	96	1*,2,8/03				14349	7	16/02	14932	22	32/02;9/03
12331	30	8/03*	13272	47	3,11,19,28,40/02;8/03	14357		N52/02	14933	24	35*,37/02
12332	21	15,22,43,46/02	13274	24	3,5,17,19,27,45,52/02;1,2/03	14358		N17,N36/02	14934	26	4,6/02;2/03
12333	32	46*,47/02;5/03				14360	36	16,26,33,36/02	14935	21	17/02
12334	65	10/03*	13275	27	2,5,17,19,27,45,52/02;1,2,7/03	14386	3	36/02	14937	24	52/02*;2/03
12335	39	6/02*;1,8/03				14415	4	33/02	14942	25	35/02
12337	22	8,15,20,28,31,45/02	13276	21	19,27,52/02	14500	27	52/02*	14963	20	51/02
12339	43	5/02	13278	25	1,9/03	14769		N31/02*	14965	21	11/03*
12341	25	22/02*	13279	29	1/03	14772	17	15/02	14966	24	5/03
12343	18	37/02*;7/03	13283	18	11/02;1,9/03	14773	16	15,19/02	14967	22	10/02;5/03
12345	10	42/02*	13285	10	11/02	14775		N31/02*	14970	25	6,40,46,51/02
12347	29	25/02	13286	29	39*,40,50/02;1,9/03	14776		N31/02*	14972	25	21/02
12348	33	25/02	13288	40	2,9,11,15*,20,23,29,36,43,50,51/02	14777		N31/02*	14974	24	32/02
12350	57	39*,49/02				14782	24	21,22/02	14975	33	52/02*
12352	29	9*,12,34/02	13290	34	2,10,20,36,40,43,50,51/02;7/03	14785	16	22/02	14978	9	18/02*
12354	39	9*,12,14,22,28,33,37,45/02;2,6,7,10/03	13292	36	20*,36,40/02;7/03	14786	13	5*,24/02	14995	11	52/02*
			13293	33	26*,29,43,51/02	14800	9	19,23/02	15562		N41/02
12362	16	49/02	13295	11	2/03*	14803	26	5/03	15744		N30/02
12363	39	2,3,14,18,28,44/02;6/03	13296	25	43/02	14804	24	20/02*;5/03	15880		N41/02
12364	33	20*,22,28,44,47,49,51/02;4,6/03	13298	10	43,52/02	14810	4	19/02	15926		N9/02
			13301	20	9,25,33,51/02	14812	3	19/02	15954		N47/02*
12365	26	2,18/02;6/03	13302	21	3*,8,9,20,25,41/02;2,7,9/03	14813	21	2/03*	16003	16	18/02*
12366	27	3,14,51/02				14816	23	5/03	16004	11	9/02
12367	23	18/02	13303	12	48/02*;7,9/03	14820	19	11/03*	16006	33	6/03
12368	26	42/02*	13305	28	8,25,40,41,49/02;2,7,9/03	14822	31	10/03*	16011	35	5,38/02;8/03
12369	25	31*,44/02				14823	30	1/03*	16012	21	38/02
12370	18	39/02*	13308	11	14,40/02	14824	25	24/02	16013	28	17,22,29,52/02
12371	22	28,47/02;6/03	13309	28	42/02*;9/03	14826	27	4/03*	16041	8	13/02*
12372	31	45*,47,48/02;2,5,6/03	13312	21	10/03*	14829	5	21/02	16042	7	39/02*
12373	14	2/03	13313	19	21,25,41,49,52/02;6,9/03	14830	29	18,23,39,51/02;2/03	16061	8	19*,27,37,49/02
12375	21	22/02	13315	11	19*,49/02	14832	34	52/02*	16206	7	2/02
12377	14	22,25,37/02	13318	18	38*,41,52/02;5,6/03	14833	25	7,20,26/02	16220	5	6/02
12378	14	2/03	13322	9	19/02*	14835	31	39/02	16300	8	52/02;3,8/03
12401	7	31*,47/02;2/03	13323	7	5/03	14836	27	42/02*	16305	9	8/03
12402	8	31*,33,47/02	13324	13	5,41,52/02;2/03	14837	27	26/02*;3/03	16322	7	8/03
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**CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 11/03**

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.
16381	8	8/03	17425	6	18/02*	18440	26	3/03*	18658	29	23,26,27/02;4/03
16382	10	13,17/02	17426	13	37/02;1/03	18441	42	30*,32,39/02;6,7,9/03	18659	14	26,30,49/02;7/03
16435	5	27/02	17427	7	11,12,14,16/02	18443	15	7,8,17,39/02;6/03	18660	1	30,49/02;7/03
16440	13	37/02	17428	7	5/03	18444	15	7,8,17,39/02	18661	26	23,27,30/02;4,7/03
16441	7	37/02	17429	2	N38/02*	18445	29	4,6,7,8,12,15,17,22,28,32,33,39/02;6,7,9,10/03	18662	20	30/02;7/03
16442	6	3,37/02	17430	10	5/03	18446	15	4,6,8/02;6,7,9/03	18663	4	23,27/02;4/03
16480	10	38/02	17434	11	11/02;5/03	18447	26	4,11,27,52/02;6,7,10/03	18666	1	9*,26/02
16500	9	9/03	17437	8	14,16/02	18448	32	12,15,17,33/02;10/03	18680	30	15/02;6/03
16520	21	2/03	17438	12	10,12,14,16,50/02;10/03	18449	17	15,17/02;7/03	18685	31	25/02;6/03
16521	5	27/02	17441	7	10/03	18450	17	9/03*	18687	13	8/03*
16528	16	9/03	17443	12	8,10/02;10/03	18452	16	17/02	18700	21	8,34,36,37/02;4,6,10/03
16529	14	50/02;9/03	17444	4	10,12/02	18453	23	28,38/02;6,7/03	18703	24	13*,36,37/02;4/03
16530	6	50/02	17445	2	12,16/02;10/03	18455	2	N17,N22,N39/02	18704	12	37/02
16531	7	18/02*	17446		N10/03	18456	19	12/02	18720	31	8,23,35/02;4,6,10/03
16535	12	2/03	17460		N12/02;N5/03	18457	9	12,15/02	18721	11	8,35/02;6,10/03
16549	14	4/03	17465	4	6/03	18458	14	6,7,17,22,32,39/02;9/03	18722	3	8/02
16556	4	8/03*	17471		N15/02;N6/03	18459	5	N7,N17,N22,N32,N39/02;N9/03	18723	3	8/02;6/03
16566	10	17/02	17472	4	5/03	18460	11	2*,6,7/03	18725	26	4,8,23,35/02;4,6/03
16568	12	39/02*	17480	4	8,15,43/02;5,10/03	18464	22	9,32/02;7/03	18740	39	8,16,20,23,34,37,45,50/02;5,6/03
16575	1	39/02	17482		N7/03	18465	35	2/03*	18741	18	N25,N45,N50/02
16576	3	42/02;6/03	17485	4	16/02	18468	17	7/03	18744	30	37/02
16580	11	39/02	17489	19	8,43/02	18471	8	13*,32/02;7/03	18746	34	7*,20,23,34/02;5/03
16590	10	38/02*	17491	3	8/02	18473	7	4/03*	18749	38	7*,10,16,18,20,23,25,27,40/02;5,6/03
16594	13	2/03	17495	2	8,43/02	18474	7	45/02*;7,10/03	18751	42	7*,10,16,20,25,27,40/02;5,6/03
16595	14	2/03	17503	4	11,43/02	18476	4	6,7,12,17,22,32,39/02;7,9/03	18754	16	36/02
16596	12	39/02*	17506		N8/02	18477	5	4,12/02;7/03	18758	6	35/02*
16597	8	16,43/02	17513		N8,N11,N42,N43/02	18480	29	2*,6,7/03	18760	6	N8,N16,N23,N34,N35,N45,N50/02;N6/03
16598	9	43/02	17515	7	8,11,12/02;6/03	18484	10	28,40/02	18761	2	N20/02
16599	6	16,43/02	17517	8	4/02;6/03	18485	15	2*,10/03	18762	15	20/02
16603	7	42/02;6/03	17518	7	6,P44,48/02	18500	28	19*,22,32,39/02	18763	9	20/02
16604	11	22/02*	17519	13	4/02	18502	84	30*,32,39,42,49/02;9/03	18765	15	18*,25,45,50/02
16606	11	37/02*	17520	2	N4/02;N6/03	18504	64	18,52/02	18766	7	25,45,50/02
16608	3	6/03	17521		N8/02	18520	24	10,33,39/02	18768	4	N25,N45,N50/02
16645	18	13/02*	17525		N8/02	18523	53	3,7,10,12,15,25,26,33/02;4/03	18769	2	N20/02
16646	12	5/02*;8/03	17528		N8,N43/02;N6/03	18524	33	18*,26,28,31,33/02;4,6,10/03	18772	46	20,25,50/02
16660	28	7,13,22,25,29,42/02;6/03	17541	3	8,43/02	18525	33	4,7,11,14,15,28,31,33/02;4,9/03	18773	38	4,8,18,20,23,25,50/02;10/03
16662	6	3,22,29/02	17542	6	47/02	18526	55	4,7,11,15,16,28,31,33/02;4/03	18775	2	N20/02
16663	6	3,7,13,22,25,29,42/02;6/03	17543	17	9,11,13,41/02	18528	10	52/02*	19002	9	N23,N25,N37,N51/02
16665	7	7,13,22,25,29,42/02;6/03	17545	13	9,43,47/02	18529	10	52/02*	19004	36	23,25,35,37,51/02
16680	10	6/02;6/03	17546	22	9,13,42,43,47/02	18531	20	7*,11,26,31,34/02;9,10/03	19007	16	51/02
16681	10	37/02*	17549	6	13,47/02	18532	20	7/02*;10/03	19010	17	45*,51/02
16682	15	8/03*	17550	4	15,42,43,P44,45,47,48,52/02	18541	8	21/02*	19013	16	25,51/02
16683	9	3,6/03	18000	8	8,45/02;6,10/03	18548	5	8/03*	19016	23	27,35,37,51/02;5/03
16700	27	21*,49,52/02;9/03	18002	6	N8,N45/02;N2,N6,N10/03	18558	37	19*,39/02	19324	22	27,35/02;5/03
16701	18	21*,52/02;9/03	18003	18	10,26,33,38,39,40,P44,45,47,48,52/02	18561	11	10,33,39/02;10/03	19327	10	23/02
16702	10	8,38,52/02;1,9/03	18005	4	N6,N8,N20,N34/02;N6,N10/03	18580	21	10,26,33,38,39/02	19330	9	6/02*
16705	19	5*,49/02	18006	3	N6/03	18581	17	49/02*;4/03	19339	1	N25,N35,N49,N51/02;N5/03
16707	10	34,37/02	18007	31	6,10,14,20,26,33,34,37,38,39,40,47,52/02	18583	38	4,7,31,33,42,49/02	19340	26	25,35,49,51/02;5/03
16708	25	37,49/02	18008	7	N6,N10,N14,N20,N26,N33,N34,N37,N38,N39,N40,N47,N52/02	18584	47	7,30,39,49/02;4,6/03	19341	9	7/02*
16709	22	15*,49/02	18009	2	N34/02;N6/03	18587	68	7,11,14,25,30,33,39,42/02;4,6,9,10/03	19347	17	25/02
16711	2	15/02*	18010	20	6,33,34,37,38,39,40/02;6/03	18600	14	15*,33,37,38,40/02	19350	11	27/02
16713	2	13*,49/02	18020	36	6,8,20,34,37,45/02;6,10/03	18601	13	6/02;10/03	19351	9	25/02
16741	9	46/02	18022	33	13*,23,34,37,45/02;6,10/03	18602	11	26,32,33/02;10/03	19357	22	42*,49,51/02;5/03
16760	10	51/02	18400	43	2*,6/03	18603	16	9*,10/03	19358	20	28/02*
16762	9	26/02*	18401	12	5/02	18620	23	35/02*	19360	1	N37,N51/02
17003	4	8,9,47,52/02	18402	22	4/02	18622	52	26,28,49/02	19362	12	49/02
17005	10	8,9,11,41,45,47,52/02	18403	21	4/02;6/03	18623	11	34/02	19366	36	13*,31,49/02;5/03
17008	12	8,13,43/02	18405	5	5/02	18625	15	37/02;10/03	19367	37	22,31,49/02;10/03
17300	30	52/02*	18407	5	4,8/02	18626	25	13,15,24/02	19369	5	22,31,49/02;10/03
17302	18	21*,51/02	18409	8	11/02	18643	16	24,49/02	19379	1	N25,N51/02;N5/03
17303	9	15,37/02	18414	9	8/02	18645	24	15,19,50/02	19380	14	25,51/02;5/03
17315	23	2/03*	18415	8	5,13,42/02;7/03	18647	15	2/03*	19381	8	25,49,51/02
17316	20	28/02*;3/03	18416	6	10,P44,48/02	18649	62	3,8,11,12,15,19,20,23,33,36,38,41/02;4,6/03	19383	17	49/02;5/03
17320	15	15/02	18419	11	47/02	18650	51	28*,33,38,41/02;4/03	19385	7	20/02*
17327	20	5/03	18420	1	13/02	18651	41	12/02;4/03	19387	9	N25/02
17330	7	15/02	18421	45	2/03*	18652	31	2*,8,11,18,19,20,23,26,27,30,33,38,41,49/02;4,6,7/03	19401	8	10/03*
17360	32	44/02;1,6,8,11/03	18423	33	1*,5,7,9/03	18653	9	3,8,11,15,19,36,38,41/02;4,6/03	19402	6	9/03*
17372	10	2/02	18424	25	7/03	18654	42	28*,38,49/02	19421	7	8/03*
17379	1	15*,20/02	18427	21	35/02*;7/03	18655	58	10*,19,49/02	19461	7	10/03*
17381	10	13/02*	18428	9	19/02*	18656	52	19,23,26,27,30/02;4,7/03	19483	6	11/03*
17382	14	44/02;1,6,8,11/03	18429	9	3/03*	18657	18	19,26,27,30/02;4/03	21005	5	45/02;2/03
17383	1	31*,49/02;8/03	18430	7	28/02*;6,7/03				21008	62	39,42,43,50/02;1,2/03
17384	7	44/02	18431	6	2/03*				21011	5	2/03
17385	13	44,48/02;11/03	18432	4	5/02;7/03				21014	72	42,50,52/02;2,3,4/03
17400	16	14,15,36/02;10/03	18433	5	2/03*				21017	50	23,41,50/02;4,5,6,9/03
17401	10	1/03	18434	4	15,26,P44,48/02;6,9/03				21020	42	23,41/02;5,6,7/03
17402	10	46/02*							21021	3	45/02
17409	10	39/02*							21023	41	5,34/02;7,8,9/03
17412	2	12/02							21026	47	5,13/02
17413	2	13,14,43,50/02;10/03							21033	46	14,20,32/02;1/03
17414	3	41/02									
17416	3	13/02;10/03									
17420	26	14,36,37,42,43,50/02;1,10/03									
17421	1	14/02									
17422	8	52/02*									

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 11/03

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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.
21036	7	1/03	22313	2	44/02;8/03	24142	43	5,6/03	25400	1	23,26,35,48/02
21120	27	47,50,51,52/02	22314	1	44/02	24149	1	32/02	25480	1	20,42,46/02
21121	18	47/02	22331	2	N10/03	24150	27	6,27,29,30,32/02	25481	25	4,26/02
21122	5	47/02	22341	9	19,43/02;11/03	24151	4	29,32/02	25484	23	11/02*
21125	13	51,52/02	22342	9	19/02	24152	2	30/02	25485	45	23,26/02
21126	1	50/02	22343	1	N19,N43/02;N10,N11/03	24153	6	10,30/02	25487	2	23,26/02
21140	1	45,50/02	22344	5	N42/02;N10/03	24154	12	10/02	25524	43	11,33/02;1,5/03
21141	23	48/02	22345	11	42/02	24156	2	22/02	25525	17	1,5/03
21160	1	45/02	22347	5	N19/02	24159	1	27/02	25526	2	11,19,33/02
21161	19	43,48/02	22351	1	N43/02	24160	21	6,27,28/02	25527	31	11,33/02
21180	1	2,7/03	22361	2	N7/02;N10/03	24161	11	11,27,42/02;7/03	25528	5	21,42/02
21182	34	39/02	22371	5	7/02	24162	9	4,11,22,27,42/02;6,7/03	25550	2	17,19,24/02
21200	1	2/03	22373	1	N50/02;N10/03	24164	6	10,27/02	25563	50	17,33/02
21301	13	3/03	22375		N19/02;N10/03	24170	14	5,6/03	25565	7	33/02
21342	28	41,44/02	22377	1	N10/03	24171	19	5,6/03	25566	27	17/02
21384	3	23/02;6/03	22379	1	N50/02;N10/03	24172	4	5,6/03	25567	16	19/02
21401	20	7/03	22381		N19,N43/02	24180	15	8/03	25570	3	19,31/02
21441	27	34,44/02	22395	2	4,19,42/02	24200	14	6/02	25575	4	4,31/02
21478	3	9/03	22403	1	N45/02	24211	7	24/02	25600	47	24/02
21489	1	13/02	22404	15	46/02	24220	14	27,28/02	25601	34	10,17,19,20/02
21500	1	5/02	22406	1	N1/03	24222	3	27/02	25607	4	24,39/02
21510	1	13/02;9/03	22407	1	N4,N11/03	24223	33	18/02	25608	21	10,17/02
21520	1	5/02	22408	1	N10/03	24230	20	10,18,30/02	25609	5	30/02
21521	14	5/02	22409	4	N45/02;N10/03	24233	15	36,43/02	25613	2	5,14,30/02
21529	1	14/02	22410	32	4,7,11,43,44,46/02	24234	3	30/02	25640	40	28/02*
21540	36	5/02	22412	2	7/02	24240	5	30,39/02;7/03	25641	26	5*,30/02
21563	3	45/02	22413		N45/02	24250	5	30,39/02;7/03	25644	12	42/02
21601	4	14/02	22417	1	N10/03	24251	23	24,34,43/02;6/03	25645	17	15/02*
21602	1	28/02	22418	2	24,36,44,46/02	24252	5	30,39,43/02;6/03	25646	7	N42/02
21603	9	5/03	22420	2	4,11/03	24260	5	34/02	25649	18	18,30,35/02;4/03
21605	7	19/02	22421	4	N4,N7,N11,N43,N44,N46/02;N11/03	24270	3	24,27/02	25650	33	22*,30/02
21661	12	6/03	22423	3	N11/03	24290	3	36,43/02	25653	13	8/03*
22004	38	18,20,23,30,32,34,36,39,41,43,52/02	22425	2	7,11,44,46/02	24291	4	36/02	25663	27	19/02*
22008	35	4,13,18,30,34,36,39,41,43,44,48,52/02;6/03	22427	1	N4,N43,N44,N46,N50/02;N11/03	24292	4	36/02	25668	18	15*,16,48/02
22012	31	4,14,16,30,34/02;6/03	22429		N24,N46/02;N10/03	24293	6	6,32,36/02	25670	41	26,38,48,49/02;4,5/03
22036	28	18,47/02	22433	3	39,47/02;11/03	24294	22	6,36/02	25673	15	28,42/02
22050	4	19/02	22436	2	39/02;10/03	24311	4	27/02	25677	19	4,21,52/02
22051	18	28/02	22471	31	18,44/02	24312	4	27/02	25681	15	4/02;4/03
22052	6	28,46/02	22481	35	43,44/02	24320	4	27,28,34,43/02;6/03	25683	17	30,49,52/02;5/03
22080	3	20,32/02	22482	16	44,50/02	24321	3	6/03	25687	11	12,15,35/02
22082	4	4,17,19/02	23000	5	18/02	24322	6	28,34/02;6/03	25700	3	8,12/02
22083	5	19/02	23010	4	27,38/02	24350	2	31,51/02	25710	2	8,12/02
22084	4	42/02	23023	4	27/02	24355	2	51/02	25720	3	8,12,33/02
22090	2	30,32,43/02;4/03	23030	6	27,38/02	24370	1	34/02	25723	40	8/02
22100	3	20,32/02	23115	3	27/02	24375	2	34/02	25724	3	8/02
22101	19	16,20,32,43/02	23121	7	30/02	24380	2	35/02	25800	3	24,36/02
22111	4	32/02	23122	8	23,30,33/02	24388	2	35/02	25803	16	12/02
22112	3	23,25,30,32,43/02	23123	3	30/02	24404	8	14,21,26,35,44,48/02	25841	9	8,10,24,36/02
22113	8	23,25,30/02	23124	3	N30/02	24405	10	14,26,35,36,44,48/02	25842	10	8/02
22114	5	16,32,42,43/02	23125	4	30/02	24406	30	20,26/02;2/03	25845	9	8/02
22120	3	8,18,23,30,34,36,39,41,43,52/02	23126	6	N24/02*	24408	21	4,14,36,44,48/02	25848	25	8/02;5/03
22121	9	6,8,17,23,30,34,36,44,52/02	23127	4	N24/02*	24410	2	21,44/02	25849	13	8,42/02
22124	2	17,34,52/02;6/03	23128	4	N24/02*	24423	2	6,8/02	26001	4	9/03
22125	1	18,36/02	23129	2	N24/02*	24430	5	39/02;8,11/03	26050	1	13,34/02
22126	1	36/02	23131	7	26,31/02	24431	14	39/02	26060	1	49/02
22130	2	44/02	23141	7	34/02	24434	4	39/02	26081	8	46/02
22138	2	8,18,41,44,48/02;6/03	23142	10	8/03	24444	2	6/02	26083	14	29/02
22140	2	4,30,34,36,44/02	23150	10	20,37,52/02	24450	3	6/02	26127	21	5,49/02;5/03
22142	2	39,41,43/02	23152	3	37/02	24452	7	16,26/02	26128	50	5,49/02;5/03
22143	3	6,8,17,41,52/02	23153	8	20,31/02	24454	5	5/03	26129	11	4,26/02
22145	2	N41/02	24000	39	27,29/02	24460	4	15,17,39,47/02	26140	2	8/02
22160	2	4,30,34,39,41,48,52/02	24004	36	5,7,29,30/02	24462	5	15,47/02	26142	10	8,24,33/02
22170	3	13*,30,39/02;6/03	24008	42	7/02	24463	6	24,39/02	26143	10	8/02
22172	8	48/02*;4,6/03	24012	40	6/02	24465	6	15,23,33,47/02	26145	10	8/02
22173	36	48/02*;6/03	24016	53	30,39/02	24469	1	20,46,47/02	26147	31	8,10,13/02
22180	2	30,34/02	24020	47	27/02	24470	4	28,39,47/02	26148	4	8,13/02
22181	16	17,27,39,41/02	24028	6	23,48/02	24471	8	28,47/02	26210	2	24,36/02
22182	6	7,8,30,34/02	24050	11	27,31,34,38,49/02	24480	1	14,17,25,27,41,44,45,49/02	26229	11	17/02
22183	3	20/02	24052	15	31,37,38/02	24482	2	24,49/02	26230	12	17/02
22190	2	30/02	24053	16	24/02	24483	2	20,24,49/02	26240	7	23/02;9/03
22205	2	14,16/02	24055	6	37,49/02	24484	3	24,49/02	26244	3	9/03
22221	20	20/02	24057	4	31,38,49/02	24490	3	24,31/02	26245	16	51/02
22222	1	4/03	24058	2	31,32,37,38/02	24491	3	31/02	26259	2	51/02
22250	2	42/02	24060	2	34/02	24492	20	31,46/02	26260	5	12,24/02
22259	4	20/02	24080	5	29/02	24501	3	14,17,27/02	26261	27	8/03
22264	2	20,42/02	24091	6	26/02;6/03	24502	6	46/02	26262	3	8/03
22275	3	20,42/02	24092	14	26/02;6/03	24504	7	17,41,45,46/02	26280	7	8,23/02
22282	17	19/02	24100	5	27,29/02	24508	2	18,19,41,45,46/02	26282	6	8/02
22283	3	N19/02	24101	3	37,41/02	24509	2	17,45,50/02	26284	3	8/02
22284	7	N10/03	24102	3	37,41/02	24510	2	17,18,19,41,45,46,50/02	26290	1	8/02
22290	4	20/02	24110	3	37,41/02	24512	3	25,29,44,46/02	26303	4	13/02**
22284	7	N10/03	24132	13	10/02	24513	18	46/02	26305	4	13/02**
22290	4	20/02	24133	13	10/02	24517	2	18,19,46,49/02	26306	14	8/02
22293	15	20/02	24140	18	4,32/02	25001	7	9,12,17,19/02	26308	4	8,15/02
22311	19	8/03	24141	4	5/03	25017	5	9,12/02	26309	26	8,17/02;11/03
						25018	9	9,12/02	26320	5	5,8,12,15,24,27,28,29,35/02;7/03

SECTION I

NM 11/03

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 11/03

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.
26323	4	1/03	35169	2	35/02	37044	16	14,45/02	37226	17	5,9,11,15,16,17,19,20,21,25,28,30,39/02;8,9/03
26327	2	N41/02*	35200	7	48,51/02;5/03	37045	11	45/02	37228	14	5,8,13,21,24,27/02;8/03
26328	2	15/02	35210	3	29/02	37046	18	21,31,43/02	37229	15	15,16,17/02;8/03
27005	4	5,8,9,12/02;6,8,9/03	35230	3	29/02	37047	6	14/02	37230	14	16,18,24,25,39/02
27040	5	9/03	35236	2	7,38,50/02	37050	9	18,26,42,46/02;10/03	37231	18	9,12,15,20,21,25,28,30/02;6,10/03
27041	4	50/02	35246	2	38,43/02	37060	3	13,17,21,31,46,50/02;9/03	37232	12	12,15,16,21/02
27080	4	5,20/02	35247	4	50/02	37061	15	36,38/02;5/03	37234	13	9,12,15,20/02;7,8/03
27081	6	49/02	35255	3	50/02	37063	21	7,16,21,28,36,50/02	37235	11	15/02
27082	6	9,18,49,51/02	35270	2	38,46/02	37064	8	17/02*	37241	17	13,16,17,26/02
27100	2	31/02;8/03	35276	3	46/02	37065	7	19/02*	37242	10	13,15,20/02
27120	4	41,43,44/02	35277	3	38,46/02	37075	3	7,21,31/02;5/03	37244	11	8,11,16,17,26/02
27142	5	9/03	35279	3	38/02	37079	5	22/02	37246	14	13,15/02
27160	2	8/03	35295	3	27/02	37080	3	14,17,24,27,30,33,34,38,40,42,44,45,46,51/02;1,4,7,9/03	37248	18	12,39/02
27161	4	8/03	35298	7	27/02	37081	23	18,20,21,28,38,43,50/02	37258	4	15/02;1,11/03
27163	21	9,49/02;8/03	35299	9	8,12/02	37082	9	13,28,44,50/02;11/03	37261	10	15,28/02;1,7,11/03
27183	8	5/02;1,9/03	35300	17	12/02	37083	8	20,22/02	37262	20	1,11/03
27186	8	5/02;1,9/03	35301	6	12/02	37084	9	20,22,38,40,43/02	37264	3	30/02;1/03
28004	1	5,20,23,45/02;8,9/03	35303	7	40/02	37085	8	38,40/02	37265	3	18,24/02;1,7/03
28006	1	8/03	35308	5	8,12/02;10/03	37086	8	38,50/02;4/03	37281	15	30/02;1/03
28050	3	13,28,34/02	35310	2	12,22/02	37087	7	38,40/02	37320	16	12,18,26,27,28,38,44/02;9,10,11/03
28110	2	15/02*	35330	2	4,12,22,38,41/02	37088	9	5/03	37325	8	14,18,34,39,47/02
28150	3	8/03	35350	2	7,38,41/02	37089	12	21,28/02;4/03	37326	2	11,12,34,47,51/02
28162	29	28/02	35390	2	12/02	37090	8	7,14,27,32,45,51/02;1,7,9/03	37328	2	12,18,42,44/02;11/03
28164	17	28/02	35400	11	8,12,30/02	37095	3	13,14,15,17,18,24,28,32/02;1,7,9,11/03	37330	2	22,24,26,30,32,34,38,40,46/02;9/03
28170	1	4/02	35402	3	38/02	37101	9	6,15,18,27/02	37342	3	17,32/02;2,11/03
28190	2	41,43,45,46/02	35405	2	8/02	37103	9	12,13,15,27,29/02	37343	10	11,45/02
28196	4	41,43,45/02	35420	13	12,24,30/02	37104	3	12,13,41/02	37344	11	17,32,34/02
28197	4	45/02	35421	14	31/02	37106	4	12,13/02	37360	15	15,17,27,28,30,32,34,43/02;2,9,10,11/03
28202	22	41,44/02	35423	6	31/02	37110	11	6,12,13,15,17,18,19,24,27,28,29,47/02	37362	6	12,17,31,43,48,51/02;1,2,4/03
28210	2	33,35,39,41/02	35424	3	30/02	37112	1	47/02	37363	8	11,48/02;4/03
28220	2	35,39/02	36005	2	6,7,12,13,14,15,17,24,27,28,34,36,38,45,46/02	37115	2	6,12,13,15,17,18,19,27,28,29,33,47/02;7/03	37367	1	38,49/02
28221	18	33,37,39/02;5/03	36010	27	8,12,16,19,20,22,24,38/02;5/03	37119	2	43/02	37380	2	12,15,17,34,40,42,43,44,48,51/02;9,10/03
28223	4	35,39/02	36015	2	13,17,24,27,36,46/02	37120	2	12,13,15,19,24,27,29,39,42,49,51/02;4,6/03	37400	10	9,15,28,34,38,40,41,44,46/02;6,10/03
28260	30	35,37/02	36040	16	12,19,30/02;1/03	37121	11	12,13,15,24,27,29,31/02	37401	9	9,28,32,44/02;4,6/03
28263	3	35,37/02	36046	5	38/02	37122	12	48/02	37402	7	28,32,41,42,44,50/02;4/03
28264	3	35,37/02	36060	17	8,12,16,19,31,38/02;5,8/03	37123	9	19,49/02;6/03	37403	23	12,24/02;10/03
28265	3	37/02	36061	5	46/02	37125	15	15,19,24,42,49/02;6,9/03	37420	1	9,12,34,43/02;1,7/03
28281	32	36/02	36062	11	40*,46/02	37126	8	15,41/02	37441	4	9,12,15/02
28282	2	35/02	36081	16	12/02	37127	11	49/02;4,6/03	37443	2	9,12/02
28300	1	23,39,50/02	36098	6	5/03	37129	6	39,42,49/02;4,6/03	37445	1	12,48/02;1/03
28302	16	31,33,39,40/02	36106	7	18,47/02;5/03	37133	4	44/02	37446	2	1/03
28310	2	23,31,33,35,39/02	36117	6	18/02	37134	5	38/02	37461	9	51/02;6/03
28320	6	33/02	36118	3	5/03	37137	6	46,48/02	37463	6	1/03
28321	36	29/02	36120	9	16,19,20,22,31,46/02;5,8/03	37139	8	18,23/02;1/03	37481	7	47,48/02;6,7/03
28323	2	27,29/02	36122	12	16,19,21/02	37140	33	15,17,19,21,22,24,27,29,31,35,49,51/02;4,6/03	37501	3	46,47/02;7,8/03
28325	2	27,29/02;5/03	36123	25	16,19,21,46/02;11/03	37141	29	20,21,23,36,40,48,51/02;1,4/03	37505	2	46/02;7/03
28330	2	27/02	36125	7	4/03	37145	23	46,50/02;4/03	37506	4	45,46,47,51/02;8/03
29015	5	2,22/02	36137	4	38/02	37147	15	13,21,35,36,40/02;1,10/03	38030	1	9,10,20,21/02
29121	5	32/02	36138	3	39/02;4/03	37148	13	17,21,35,38/02;4,10,11/03	38040	5	12/02
29122	5	32/02	36139	4	4/03	37149	10	44/02	38041	1	12/02
29142	3	7/03	36140	12	13,21,22,24,36,41/02;4,10/03	37150	8	13,16,21,22,31/02	38044	1	N12/02
35000	26	11,13,23,24,47,48/02	36141	7	4/03	37161	14	13,18,21,22,31,34,43/02;1/03	38100	4	12/02
35008	21	45,48,50/02;5/03	36142	6	24/02	37162	12	11,12,15,16,17,26/02	38103	1	N12/02
35009	19	15,40,41,45/02;5,10/03	36143	4	18,34/02;5/03	37163	19	11,13/02	38105	1	N12/02
35011	2	11,48/02;1/03	36144	10	13,20,24,34,44,45,47,50/02;4,10/03	37164	4	15/02	38460	7	18/02
35016	17	12,29/02	36145	10	13,20,24,34,44,45,47,50/02;4,10/03	37165	2	5,8,9,15,17,18,20,21,34,36/02;10/03	38463	2	N18/02
35031	3	12,22/02	36162	10	13,20,35,45,47,50/02;4/03	37166	2	8,11,12,15,16,17,26/02	38480	6	18/02
35032	16	12/02	36163	13	20,31,34,35,38,44,45,47,50/02;4/03	37170	11	38/02	38580	8	12/02
35036	21	13,17,19,24,30,36/02;10/03	36164	7	34,38,44,46/02;8/03	37175	2	5/03	38603	2	4,17,21/02
35040	18	21,45/02;4,8,10/03	36165	6	17,18,20,22,24,28,36,44/02;10/03	37180	20	21,38/02	38610	1	20/02
35041	8	21,35/02;4/03	36167	2	24,40/02	37182	14	35,47,48/02	38670	2	9/02
35042	9	21,27,44/02;4/03	36173	1	40/02	37183	9	48,51/02;10/03	38683	3	9/02
35044	9	38/02	36180	23	13,17,20,21,22,36,40,50/02;4/03	37184	8	48/02;5/03	38690	2	10/02
35047	5	13,35/02	36181	18	17,20,21,22,36,40,50/02;4/03	37188	8	48/02;5/03	41060	3	34/02
35060	14	18,22,40,41/02;10/03	36182	6	13,20,36,40/02	37189	20	21,38/02	42160	3	7/03
35080	16	18,22,40/02	37000	22	11,23,28,47,48/02	37192	14	35,47,48/02	42620	5	2,12,34,41/02;6/03
35084	15	50/02	37005	16	17,18,23,41,45,47/02;5/03	37193	9	48,51/02;10/03	42742	3	2/02;6,8/03
35086	5	31/02	37010	23	15,16,17,18,23,26,41,45,47/02;10/03	37194	8	48/02;5/03	42760	5	2,12/02;8/03
35088	2	50/02	37025	26	38,51/02;1/03	37200	15	18/02	42762	3	N12/02
35099	3	41/02	37032	2	9,12/02;1,6/03	37202	2	13,18/02	43000	4	9/03
35100	14	40,45/02;5/03	37033	2	47/02	37205	2	39/02	43015	12	9/03
35101	6	41/02	37034	2	8/03	37221	13	5,8,9,11,12,15,16,17,18,20,21,24,25,27,28,34,36/02;6,10,11/03	43030	24	11,25,28/02;2,9,10,11/03
35103	5	41/02	37041	15	17,20,27,50/02	37222	13	15,27,28/02	43040	6	2/02
35120	13	40,45,47/02;5/03	37042	5	17,41,45/02	37223	14	26,42/02	43059	3	44/02
35130	3	48,51/02;5/03	37043	17	13,17,20,43/02	37224	11	15/02	43060	4	44/02
35135	1	5/03							43079	2	41/02
35136	2	48,51/02							43082	5	41/02
35141	11	34/02									
35143	7	34/02									
35144	3	11/03									
35150	3	48/02									
35155	3	11/02									
35159	3	25/02									
35163	7	25,44/02									
35166	4	35/02									
35167	3	35/02									

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 11/03

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.
43101	3	46/02	44076	3	18,25/02	51007	22	38/02;7/03	53060	14	12,14,15,17,18,19,21,22,27,28,30,32,51/02;4,5,9,10/03
43102	4	46/02	44081	9	8,15,16,17,20,24,25,39/02;9/03	51013	4	38/02;7/03	53061	10	14,19,28,30,44,47/02
43104	4	46/02	44082	11	6,11,15,16,17,18,21,24,25/02;9/03	51017	31	37/02	53062	13	1/03
43106	6	44/02	44083	8	10,15,21/02;9,11/03	51022	11	37/02	53063	8	14,19,28,44,47/02;4/03
43140	4	17,41,48,52/02	44084	1	6/02;6,11/03	51061	14	1,7/03	53064	6	33/02;10/03
43141	5	52/02	44085	2	21,25/02	51064	2	52/02;1/03	53065	2	33/02
43142	4	52/02	44088	7	11,13,15,16,17,18,24,25,26,44/02;2,9,11/03	51082	7	5,7/03	53066	2	12,33/02
43144	4	17/02;6/03	44100	7	11,13,15,16,17,18,24,25,26,44/02;2,9,11/03	51100	7	1,6,7,8,9/03	53081	8	15,21,30/02;4,5,11/03
43145	4	17/02	44105	2	49/02;5,6,8/03	51103	10	29*,33,45/02	53082	13	40/02
43146	2	48/02	44120	7	6,11,15,16,17,18,21,26,27,28,29,31/02;2,9,10/03	51104	1	29*,33,45/02	53083	8	18,19/02;9,10/03
43150	2	N17/02	44140	8	4,6,16,26,27,28,29,31,50/02;1,6/03	51120	6	6/03	53084	6	17,18,24,51/02
43160	6	17/02	44160	7	46/02;1,4,5,6,11/03	51142	2	6/03	53085	6	17,24,51/02
43161	2	17,41,44/02	44161	2	29,50/02;1,2,6,10/03	51143	4	14/02*;6/03	53086	8	20,46,48/02
43163	3	44/02	44162	1	50/02;1/03	51144	3	14*,52/02;1/03	53087	9	48/02
43164	3	17,48/02;6/03	44163	1	48/02	51146	3	42,52/02;5/03	53088	7	33/02
43180	5	9/03	44164	1	46,48/02;1,11/03	51150	1	50,51/02;1/03	53090	1	41/02
43182	4	47,52/02	44165	1	46/02;1,5,6,11/03	51154	3	50,51/02	53093	2	20/02
43223	4	41/02	44178	2	21/02;2,5,7,10/03	51155	1	50,51/02;1/03	53100	16	13,18,19,21,24,28,33,39,42,51/02;6,10/03
43225	4	17,52/02	44179	2	10/03	51158	2	6/03	53101	7	33/02;8/03
43240	4	50,51/02	44180	6	18,20,24,29,34,45,46/02;1,2,5,7,8,9/03	51159	3	47/02	53104	2	20,35,42/02
43242	4	52/02	44181	5	5,10/03	51160	20	48,50,51/02;1,4,5,6,7/03	53105	20	37/02;8/03
43243	4	50,51/02	44182	4	21,48,49/02;1,2/03	51163	4	4/03	53106	6	19*,20,24/02
43248	3	9/03	44183	6	48/02;1,6,8,9,10/03	51164	18	38,45,46,50/02;2,4,8/03	53107	16	35/02;6/03
43263	7	44/02	44184	9	21,45,49/02;2,10/03	51165	8	25,45,50/02;2,4,8,10/03	53110	1	29,40/02;10/03
43265	2	44,52/02	44185	7	45,49/02;1,2,10/03	51166	3	N25,N45/02	53111	3	31,44/02*
43270	2	44/02	44186	2	21,45,46,48/02;1,2,5,8,9,10/03	51167	6	45,50/02;2,4,8,10/03	53120	14	13,18,20,21,27,28,39,42/02;5,6,7/03
43280	5	44/02	44187	2	21,45,46,48/02;1,2,5,8,9,10/03	51168	2	45,46,50/02;2,4,8/03	53122	3	20,29,40/02;7,8/03
43281	6	20/02*	44188	2	21,45,46,48/02;1,2,5,8,9,10/03	51220	8	33/02	53123	3	7/03
43284	4	16,51/02	44189	2	21,45,46,48/02;1,2,5,8,9,10/03	51222	6	51/02	53125	2	46,51/02
43285	5	15,16,44/02	44192	1	21,29,46,48/02;1/03	51225	3	27/02	53130	1	27,42,47/02;10/03
43300	5	15,44,47,50/02	44193	1	26/02;1,7/03	51240	2	33/02	53133	3	6*,41,46/02
43301	4	15,45,50/02	44200	9	20,24,29,34,52/02;4,9/03	51260	4	37,50/02	53135	2	20,51/02;7/03
43302	4	44,47,50/02	44203	1	20,24,33,48/02;2,5/03	51261	23	5,6/03	53141	5	20,24,34,51,52/02
43303	2	41,47,50,51/02	44204	1	5,48,52/02;2,4,5,7/03	51262	23	49/02	53147	3	36,39,42,51/02;6,7,10/03
43304	2	44,47,50/02	44205	2	48,52/02;2,5,7/03	51300	4	27/02	53149	2	31/02
43321	6	30,41,47/02	44206	1	46/02;4,5/03	51320	3	12/02	53160	14	20,51/02;3,6/03
43323	4	30/02	44207	1	4,5/03	51342	3	1/03	53161	8	51/02;3,8/03
43324	4	30/02	44220	5	46/02;4,5/03	51344	2	5,7/03	53162	7	50/02*
43341	7	41/02	44223	1	6/03	51380	5	47/02	53164	9	20,37,51/02
43345	4	1/03	44224	1	49/02;5/03	51559	3	41/02	53165	13	39/02;8/03
43360	21	17,28/02;6,10/03	44240	8	49,50/02;4,7/03	52031	1	6/03	53180	10	2,33,34,43,51/02;1,3,6,7/03
43363	5	45/02	44243	2	25/02;5/03	52039	4	5*,7,8,9/03	53181	4	2,34/02;1/03
43364	5	45,46/02	44260	7	29/02;2,5,6/03	52040	17	43,50/02	53182	4	36/02
43371	13	22/02	44280	9	29,34,49,50/02;2,6/03	52043	21	46/02;6,7/03	53183	13	19*,35/02
43372	4	22/02	44281	2	49/02	52045	6	36/02	53184	5	32,35/02;1,6/03
43373	8	45/02	44282	1	49,50/02	52046	21	50/02;6,7/03	53200	6	2,3,33,36,43/02;5,6,7/03
43374	1	22/02	44283	2	50/02;8/03	52047	11	7,8/03	53201	6	51/02
43375	7	46/02;6,7,10/03	44284	2	41/02;6/03	52048	3	8/03	53203	6	51/02
43384	1	48/02;4,5,6,7,10,11/03	44285	1	2/03	52051	1	43/02	53205	11	3/02;5/03
43385	1	5,27,45,48/02;5,11/03	44286	1	2/03	52052	1	43/02	53206	10	3,44/02;5/03
44001	2	48,49/02;1,6,7,8,9,11/03	44310	5	20,29,41,42/02;7/03	52060	16	43,50,51/02;7/03	53208	3	5/03
44015	8	28,31,48,49/02;6,7,8,9,10,11/03	44313	1	27,41,47/02	52061	2	45,48,51/02;7/03	53209	6	17/02;5/03
44030	7	20,46/02;4,8,9/03	44319	2	21,41,42/02;4,6,9,10/03	52062	7	7/03	53220	6	2,36,43,51/02;5/03
44036	5	28/02	44320	4	13,23,29/02;6,8,9/03	52066	3	50/02	53223	5	29/02
44038	5	18/02	44321	6	13,19,22,23,29,32,40/02;6,8/03	52080	14	50,51/02;4,7,10,11/03	53225	3	3/03*
44040	23	28,44/02;6,10/03	44340	11	13,16,20,21,37/02;4,6,8,9/03	52082	3	45,46,48/02;11/03	53242	12	2,52/02;1/03
44041	7	48/02;1,9,10/03	44341	7	13,25,37,41/02;7,9/03	52084	2	45,46,51/02;1/03	53244	2	2/02;1/03
44042	7	21,44,45,49/02;4,7,9,10,11/03	44342	8	6,13,37,41/02;6/03	52085	3	50,51/02;4,11/03	53262	7	22,42/02
44043	8	44/02;1,6,9,10,11/03	44352	2	4,6,7,8/03	52086	2	45,50,51/02;1,4,9,11/03	53263	1	37/02
44044	6	6,10/03	44360	9	8,16,20,21,34,37,41,42/02;4,9,10/03	52087	1	51/02	53265	6	19,35,41,46,52/02
44046	10	18/02	44361	6	21,27/02;4,10/03	52088	2	45/02;4,10,11/03	53266	4	1,8/03
44047	22	8,26,44/02;10/03	44365	1	7,8/03	52092	1	46,51/02	53268	4	22,42/02;7/03
44048	11	8/02;5/03	44366	2	15,16,18,20,22,25,26,29,35,37,40/02;6/03	52120	12	32,51/02;6,11/03	53269	5	19/02
44049	9	18,44,46,50/02;8/03	44400	4	48/02;4,6,7,8,9/03	52121	8	45,46/02;1,6,8,11/03	53279	3	9/02;7/03
44050	21	8,18/02	44401	7	13/02*;10/03	52122	14	45/02;11/03	53281	4	31,40,52/02
44051	1	44,48,50/02;1,11/03	44410	4	4,6,11/03	52124	1	51/02	53282	8	40/02
44057	5	8,13,21,25/02	44420	6	5,36,49/02;8,9,10,11/03	52125	1	45,46/02;8,11/03	53283	4	33,52/02
44061	21	8,18,21/02	44430	2	4,6,16,17,28/02;6,10,11/03	52140	6	48,50/02;3/03	53284	4	33,40/02;7/03
44062	8	8/02	44444	6	31/02;9/03	52141	5	48/02	53285	4	35/02;7/03
44063	8	13,21/02	44461	10	4,6,8,12,16,17,19,28/02;6,10/03	52144	5	50/02;3,7,8,10/03	53287	6	20,27,35,42/02;1,5,7,8,10/03
44064	19	8/02	44462	4	4,6,8,11/03	52161	14	6,11/03	53290	1	35/02
44065	7	5,11,15,16,20,25,30,42/02	44463	9	4/02	52170	3	3/02	53301	4	27/02
44066	10	16,20,27,39/02	44465	2	4,6,8,12,16,17,19,28/02;6/03	52172	2	3,11,40/02;1/03	53302	4	51/02
44067	22	5,8,11,16,21,25,29/02	44481	2	6,26,28,31/02	52180	14	2,21,24,42,43,51/02;1,8,10/03	53303	6	49,51/02
44068	11	11,13,17,18,20,24,26,44/02;10,11/03	51002	7	13/02*	52186	3	3/02	53306	2	21,39/02
44069	16	5,9,11,13,16,18,20,21,24,29,31/02;11/03				52200	8	7/03	53311	3	39/02
44070	7	9/02				52262	6	7/02	54040	3	37/02;6,10/03
44071	4	9/02				53011	2	51/02	54041	7	18,35/02;4,8/03
44072	4	5,21/02				53031	1	1			

**CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 11/03**

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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.
54080	5	8/02**	54404	4	19/02	57140	10	43/02	62040	5	13/02
54081	3	13/02;10/03	54407	4	32,43/02;3,7/03	57141	14	43/02	62046	2	13,39/02
54083	4	19/02	54409	2	23,32/02;7,8/03	57142	6	43/02	62050	6	18,44/02
54085	2	18,19,40/02	54413	3	31/02	57160	10	43/02	62090	7	2/02
54090	3	46/02*;11/03	54416	5	7/02	57161	4	31/02	62092	7	2,41/02
54095	3	46/02*;8/03	54418	4	32,43/02;3,7/03	57162	7	43/02	62093	7	2,16,41,49/02
54100	4	8/02**	54419	2	3/03	57164	2	43/02	62095	3	11/03*
54105	3	46/02*;8/03	54421	6	6,7,28,47/02	57165	1	43/02	62100	6	2,4,12/02
54115	3	46/02*	54422	4	19/02*	57170	1	43/02	62110	9	2,4/02
54120	5	15,16,17,18,19,20,37,39,41/02	54423	5	48/02*	57200	6	11/03	62120	6	11/02
54125	3	46/02*	54430	1	26,28,37,43/02	57220	4	11/03	62121	9	11/02
54140	7	15,16,17,18,41/02	54440	4	7,30,41/02	57381	12	52/02	62140	1	34,40/02
54151	1	7,14,15/02;3/03	54441	6	30,42/02;2/03	57460	4	10/03	62142	10	24,28/02
54160	14	8/02**	54463	5	14/02	61000	20	10/03	62143	3	24,28/02
54161	12	16,17,19/02;10/03	54464	5	7/02	61015	8	17/02	62144	3	24/02
54165	2	33,37/02	54480	8	22,30,36,41/02;2/03	61018	4	18,24/02	62170	2	38/02
54166	3	10/03	54481	8	22,30,36/02	61020	2	17,28/02	62171	4	38,47/02
54167	2	17,19/02	55001	3	4/03	61021	3	18/02	62191	15	11/03*
54168	1	37/02;10/03	55040	4	13,15,18,23,27,28,31,32,39,41/02	61036	8	8,27/02;7/03	62193	17	17*,19,31/02
54169	3	8,16,37/02	55041	7	15,22,32/02	61040	6	10/03	62194	8	17*,18,19,31,36/02;4/03
54180	6	7,8,10,19,41,43,50/02;5/03	55042	1	18,21,27,28,42/02	61050	4	10/03	62195	6	22,36,41/02;1/03
54195	2	11/02;5/03	55043	2	21,23,27,28,37,39,42/02	61061	9	10/03	62220	8	8/02
54200	4	7,8,10,11,13,21/02;5,8/03	55044	5	22,23,41,43/02	61070	4	9/03	62225	3	17*,37/02
54201	6	13,21/02;8/03	55045	2	18,21,23,41/02	61080	4	9/03	62241	10	9/03
54220	5	7,10,13/02	55046	4	4,21,22,23,26,27,30,31,37,38,39,41,48/02	61100	4	10/03	62242	11	47/02;9/03
54222	4	21,43/02	55047	8	22,23,26,27/02	61110	3	12,28/02	62250	4	34,38/02
54223	2	13,21/02;8/03	55048	12	6,23,27,32,36,37,39,41,48/02	61112	10	14,17/02	62270	4	37,41/02
54224	2	13,21/02;8/03	55049	6	22,27,30,41,43/02	61120	4	12,28/02	62271	5	37,41/02;10/03
54225	2	21/02	55060	7	19,20,36,37/02	61130	3	12,28/02	62285	2	26/02
54226	2	7,50/02	55063	1	6/03	61140	5	12,27/02	62290	3	2,11,26,37,41/02;10/03
54227	2	7,50/02	55064	3	4,23,37,48/02;6/03	61141	6	38/02	62292	2	24/02
54240	11	8/02**	55082	9	5/03	61142	6	38/02;7/03	62295	3	2/02
54260	3	8/02**	55084	7	39/02	61150	4	12/02	62302	2	4/03
54279	4	50/02*;2/03	55085	9	13/02;5/03	61160	3	12/02	62310	2	6,27/02
54280	10	11,14,15,20/02;5/03	55100	8	29,36,37/02;6/03	61170	5	13,27/02	62313	4	17*,27/02
54281	6	20/02	55101	4	7/03	61171	10	13/02	62330	2	14,38,40/02
54282	1	51/02	55102	3	24/02;4,5/03	61172	6	13/02	62340	3	38/02
54283	5	8,19,20,52/02	55103	2	9,12,24,29,48/02;1,4,5,7/03	61180	4	20,27/02	62343	3	8/03
54284	1	51/02	55104	2	9,48/02;4,5,7/03	61182	2	13/02	62350	6	8/03
54286	4	14,19/02	55105	7	6,9,12,18,29,36,41,42/02	61190	4	39,41/02	62360	5	18,38/02
54287	7	7,9/02;5/03	55110	2	4,7,23,24,29,37/02;6/03	61191	8	12,13/02	62361	2	N18,N38/02
54288	5	9/02;1/03	55120	2	36/02;6/03	61200	7	17,21/02	62366	3	38,40/02;2/03
54289	8	7,9,19/02;1/03	55127	2	10/03	61210	6	17/02	62392	7	14*,18/02
54300	12	8,11,13,14,31/02	55128	2	4,5,6,9,26,33,36,38/02;1,4,5,8/03	61220	5	17/02	62393	7	34,37,50/02
54302	1	8,11,13,14,31/02	55129	7	6,9,33,36,37/02;6/03	61240	7	18/02	62394	10	34,37,50/02
54303	4	8/02	55130	2	13,27,45/02;5/03	61250	4	18/02	62395	2	34,50/02
54314	2	13/02	55131	1	27,36,45/02;6/03	61300	2	7/03	62400	17	23,24,33/02;4,9/03
54318	3	5,19/02;1/03	55133	3	5/03	61310	2	33/02;7/03	62401	9	11/02;6,10/03
54320	4	7,13,20,48/02;1/03	55139	5	41/02	61311	5	17,33/02	62402	10	10/03*
54322	7	5,13,19,20/02;1/03	55140	2	1,5/03	61312	3	17,33/02	62403	3	6/03
54324	8	19/02	55150	2	4,6,7,24,28,29,37/02	61331	4	7/03	62406	2	8,24,33/02
54327	4	20,31/02	55160	2	6,18,24,28,29,42/02	61400	2	27/02;7/03	62408	7	11,15/02;10/03
54329	4	5/02;5/03	55161	1	7,29/02	61410	2	14/02;7/03	62409	6	2/02;7/03
54330	2	5/02	55170	2	9,12,18,29,31,36,41/02	61420	2	14/02	62411	1	52/02
54333	3	5/02	55175	1	24,28/02	61430	2	14/02;7/03	62413	11	33/02
54334	3	7/02;5/03	55180	2	9,33/02;1/03	61433	1	14/02;7/03	62417	1	52/02
54337	3	19,31/02	55190	2	6/03	61434	2	14/02;7/03	62419	6	33/02;8/03
54339	8	7,17,31/02	55200	2	12,27/02;8,10/03	61440	2	15/02	62420	5	33,37,39/02;8/03
54340	8	19,48,51/02;3,4/03	56031	1	1,2/03	61450	2	14,17,27/02	62429	9	17,27,39,43/02
54343	10	14,19,48/02;4,5,11/03	56042	6	22/02	61470	2	15/02	62431	8	26*,27,37/02
54344	6	14,19,48/02	56043	6	22/02	61472	1	15,20/02	62432	15	4,25,31,34/02;2/03
54346	8	14,19/02;11/03	56044	3	22,38/02	61500	2	17/02	62433	12	15,30,31,34,45/02;1,03
54347	4	51/02	56060	8	33/02	61510	2	15/02	62434	9	12*,40,46,52/02;8/03
54350	4	51/02	56063	1	2,14,21/02	61520	2	15/02	62437	9	32,46/02
54351	7	52/02	56064	6	14,38/02;2/03	61522	1	15/02	62439	4	1/03
54352	3	52/02;1,3/03	56065	3	33,38/02	61538	1	15/02	62440	7	5,15,17,20,49/02;6/03
54360	12	15,19,20,52/02	56067	3	48/02*	61540	2	15,20/02	62441	10	16,36/02
54362	3	52/02	56081	19	41/02	61541	8	4/02	62448	2	2,23/02
54363	3	15,19,20/02	56083	2	7,31/02	61542	6	4/02	62449	4	15/02
54364	2	52/02	56100	13	41,49,50/02;1/03	61550	2	17/02	62451	7	2,21,23/02
54365	6	15,19,36/02;11/03	56101	6	33/02;1/03	61560	2	15/02;7/03	62453	3	25,33/02
54366	3	15/02	56102	23	1/03	61562	2	6/03	62455	7	17,27,39,43/02
54367	3	15/02	56103	6	18,30/02;1/03	61581	5	14,18/02	62456	1	27/02
54368	4	20/02	56104	2	41,49,50/02	61582	4	14,18/02	62457	6	11/03*
54369	4	13,15,52/02	56120	12	1/03	61591	4	8/02	62459	2	6/03
54372	2	20/02	56191	2	18/02	61592	4	8/02	62460	4	6,24,31,33/02;10/03
54380	6	5,19,26,42/02;3/03	56195	3	22/02*	61610	7	28,29/02	62464	2	15*,31,49,50/02;4/03
54382	9	26/02	57035	10	10/03	61611	11	28/02	62480	1	13,15,18,23,30,31,33,37,43/02;6,8,10/03
54386	10	7,42/02	57063	5	40,41/02	61612	4	28/02	62490	1	2,4,12,16,18,25,29,31,32,33,43,50,52/02;8/03
54387	7	6,23,42/02	57101	18	41/02	61650	3	17/02	62498	4	12*,23,25,27,31/02;4,9/03
54389	8	6,43,52/02	57120	13	43/02	62000	20	18,46/02	62499	4	15*,25,27,31,49,50/02;4,9/03
54400	8	5,7,20,32,43/02;3/03				62001	5	11/03*	62510	3	11/03*
54402	4	52/02				62024	13	13,14,38,40/02			
54403	4	6,22,43,52/02				62028	15	5,8,12,18/02;10/03			
						62032	16	11/03*			
						62033	3	N11/03*			

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 11/03

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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.
62512	3	N11/03*	71027	9	7,15,19,20,22,24,25,34,38,45,49/02;2,4,5/03	72040	3	11/02	74152	11	14,36,44/02
62515	2	14,26,45/02	71033	31	7,15,23,37,38,49/02;3/03	72045	2	16/02;8/03	74153	2	4,14,36,44/02;2/03
62520	5	5,6,7,13,15,17,20,30,31,37,43,49/02;10/03	71036	8	9,11,35,44/02	72060	8	32,50/02	74162	4	10,36,46,47/02;8/03
62521	3	N5,N6,N7,N13,N15,N17,N20,N30,N31,N37,N43,N49/02;N10/03	71040	5	27,34,42/02;7/03	72070	4	8,11,32/02;2,9/03	74171	4	33,36,47/02;3,10/03
62530	5	7,31,33,43/02;8/03	71042	1	34/02	72075	2	8,20/02;9/03	74172	5	2,36,47/02;7,10/03
62531	3	N7,N31,N33,N43/02;N8/03	71043	2	25/02*	72080	7	8,20,51/02;2,9/03	74181	8	2,11,13,23,28,33,35,37,38,39,47/02;10/03
62540	6	17*,18,21,23,25,26,29,31,32,34,40,45,48,50,52/02;8/03	71044	1	27/02	72085	2	6,8,30,47,51/02;2,9/03	74182	12	3,5,11,13,23,24,25,26,28,33,35,37,38,39,41,42,44,51/02;6,10/03
62541	3	N17*,N18,N21,N23,N25,N26,N29,N31,N32,N34,N40,N45,N48,N50,N52/02;N8/03	71058	2	23,36/02	72094	2	29,38/02;7/03	74183	11	11,38,39,42/02;4,6/03
62550	2	7,13,30,43/02;10/03	71059	1	23,36/02	72100	7	29/02;7/03	74184	10	10,13,23,24,28,33,35,37,38,46,48/02
62560	3	2,21,23,25,29,52/02	71061	15	23,36/02	72103	2	29/02;4,6,7/03	74186	7	11,18,34/02;4,10/03
62570	4	17*,21,23,25,26,31,32,33,34,36,40,45,48/02;8/03	71066	1	39/02;6,7,10/03	72105	2	36,38/02;7,11/03	74190	7	2,13,22,23,26,35,36,37,46/02;1/03
62580	3	2,4,14,23,26,32,33,45/02	71071	5	15/02	72107	2	12,15,27,29/02;7/03	74191	2	19,22,24,26,35,46,48/02;1,7,9/03
62590	2	4,9,12,16,28,29,36,40,46,48/02;8/03	71081	3	16/02	72109	3	42,44/02	74192	3	5,24,26,28,35,46/02;1/03
62591	3	N4,N9,N12,N16,N28,N29,N36,N46,N48/02;N8/03	71091	4	1,2/03	72110	9	12,15/02	74200	8	5,14,18,21,27,28,37,46/02;1,8/03
63000	13	5,12,27,28,48/02	71140	6	33,39,46/02;1/03	72110	4	13,46/02	74201	9	27/02
63005	18	4,15,25,31/02	71180	29	2,8,10,33,37/02;7/03	72131	3	13/02;11/03	74202	3	14,16,21,24/02;1,7/03
63010	14	26,29,31,52/02	71183	13	32/02	72161	10	15/02;10/03	74204	5	13,14,21,24,27,37/02;1,7,8/03
63015	11	31,38,40,52/02;9/03	71185	24	5,8,13/02;7/03	72173	2	12,15/02	74205	2	16,24,25/02
63020	15	27,31/02;4,9,11/03	71186	2	5,8,13/02;7/03	72181	2	36/02;7,11/03	74206	2	8,24,34/02
63040	2	12*,46/02	71210	18	44/02;3/03	72190	2	6,30/02;10/03	74210	7	12,25/02;7/03
63050	2	5,12,17,46/02	71211	4	38/02	72201	5	9/02;8/03	74220	8	6,11,13,17,23,25,26,35,47,51/02
63053	4	12*,14/02	71212	1	18,38/02	72203	2	16/02	74221	2	11,13,35,51/02
63054	3	19*,31/02	71223	8	17/02	72211	6	43/02;5,8/03	74229	2	5,6,11,17,22,23,33,37,43,47/02
63055	2	5,14,29/02	71230	11	23,38/02;6/03	72231	8	31/02	74230	7	11,13,28,39,42/02;5,7/03
63060	7	5,12,25,28,32/02	71239	3	4/02	72236	1	9/03	74232	9	2,9,15/02;5,7/03
63062	7	5,18,28,29/02;7/03	71241	10	18/02;6/03	73000	9	26,40,52/02;10/03	74234	1	2/02;8/03
63063	9	5,27,29/02	71243	4	33/02	73002	4	4,6,8,18,24,30/02;5,11/03	74240	8	4,9,15,34,39,42/02;4,5,7,8,9/03
63065	6	18/02	71247	18	20,21/02;5,6,8/03	73004	4	4,26/02;10/03	74251	8	4,15,17,23,25,26,31,32,34,37,42,44,46,51/02;6,9/03
63070	3	20,27,28,29/02	71248	2	N51/02*;N1/03	73006	2	26/02	74252	9	19,47/02;5,7,9/03
63080	5	26,27,28,31,48/02	71249	2	35/02	73008	8	8,16/02;11/03	74253	6	4,11,15,17,19,23,25,27,32,47/02;8,9/03
63090	8	25,31/02	71251	11	20,35,40/02;1/03	73010	3	13/02	74261	9	15,25,41,49/02;4,10/03
63091	4	26,27,32,39,48,52/02;9/03	71253	10	14,21,35,40,42/02;5,6,7/03	73012	6	11/03*	74262	2	4,11,15,17,18,19,25,31,38,41,43,47,49/02;7,9/03
63100	2	4,15,44/02	71255	5	9/02;6/03	73016	4	15,44/02	74270	3	9,18,19,26,31,38/02;7/03
63101	15	14,17,19/02	71257	2	4,8,9,15,18,21,23,28/02;5,6,7/03	73018	3	13/02	74271	9	9,19,28,38,46/02
63102	19	14,17,19,26/02	71258	2	4,9,15,18,20,21,28,35/02;5,6,7/03	73020	9	3,25/02;9/03	74272	7	26,32/02;4/03
63103	17	14,17,26,29/02	71259	2	18,20,21,33/02;1,7/03	73022	4	13/02	74273	5	18,19,31,38,41,43/02;7/03
63110	4	40/02	71261	8	2,13,35/02;2/03	73024	3	39/02	74281	7	3/03
63111	9	17,25,48/02;9/03	71265	3	46*,49/02;7/03	73030	4	4,20/02	74283	2	46,49/02
63120	2	44,48,52/02;8/03	71271	10	23,25,30,34,52/02	73032	4	4,25/02;9/03	74285	2	31,34,35,45/02;1,9/03
63121	5	48/02;5,8/03	71272	10	23,30,34/02	73041	2	18/02;5/03	74286	2	15,22,24/02
63150	1	14,15,25,31/02	71273	3	13,23,35/02;2,6/03	73141	5	13/02	74287	2	27,34,38,52/02;9/03
63200	5	52/02	71281	7	51/02	73191	3	7/03	74289	5	13,18,26/02;9/03
63201	9	40/02	71285	3	2,7,23,25,30,34,52/02	73271	7	21/02	74290	11	13,25,34,39,45,46,48,49,51/02;1,7,9,10/03
63210	3	45,52/02	71295	2	25,26,30,34,39,40,52/02	73552	4	9,25,34,45/02;1,7,9,10/03	74292	8	13,27,34,38/02;9/03
63220	5	26,45,52/02	71305	2	9,14,31,34,36/02;2/03	73580	4	52/02	74293	7	25,34,45,48/02;9/03
63230	6	17*,45/02	71311	4	7/03	73581	4	16,52/02;3/03	74294	3	25,34,45/02
63231	8	31,45/02	71313	8	45/02	73590	6	16,31,47,52/02	74295	3	18,22/02;4,9/03
63232	3	45/02	71314	5	6,10/03	73601	3	12,15,17,24,26,31,34,35,47/02	74296	4	27,34,38,49/02;9/03
63233	15	31/02	71315	2	14,27,31,34/02	73610	4	26,31/02	74310	2	9/02
63250	6	14*,29,40/02;11/03	71320	1	35/02;5/03	73631	4	36,46/02;1/03	74320	3	35/02;8/03
63271	8	19,52/02;8/03	71325	8	5/03	73640	5	23,36/02	74330	3	15/02
63290	7	19,31,32,38/02;10/03	71330	13	35/02;5/03	74000	6	10,12,24,36,47/02;2,7/03	74340	3	15,27/02
63291	9	19,33/02	71331	11	5,7,8/03	74002	2	2,13,14,18,25,27,28,35,47/02	74350	4	25/02
63310	5	11/03	71333	2	6,7/03	74003	5	2,22,25,28,47/02;7,10/03	74376	5	43/02;9/03
63320	8	30/02	71335	2	8/03	74004	2	12,13,18,35,37,39,47/02;9/03	74380	4	2,3,9,22,32/02;8,9/03
63321	6	30,42/02;9/03	71340	11	18,19,22,40,46/02;2,4,5,6,7/03	74005	2	9,13,18,19,31,34,35,46,47,51/02;4,7,9/03	74391	3	15/02
63322	2	30/02;9/03	71343	3	7/03	74006	2	26,31/02	74392	7	16,22,25,39/02
63324	1	6/02	71348	3	18,35/02;7/03	74007	1	36/02	74393	9	12,16,18,19,25,28,31,38,41,50/02;3/03
63330	9	27,39/02;4/03	71350	8	15,18,20/02;5,6,7/03	74008	6	9,15,51/02	74394	2	3,12,18,19,28,31,41,49,50/02;3/03
63337	15	27,31,39/02;4/03	71400	5	11/02	74009	10	3,9,20,22,25,38,49/02;8,9/03	74410	3	16,20,25,38/02;7/03
63400	1	39/02;8,11/03	71401	1	40,46,51/02;5/03	74012	10	17,20,22,26,37,40,49/02;6,8/03	74415	1	39/02
63410	6	39/02;8,9/03	71402	1	18,40,46/02;4,5,6/03	74015	10	20,40/02	74420	3	45/02
63413	5	39/02	71410	1	11,39/02	74017	4	3,12,17,18,37,45/02	74430	2	49/02
63417	2	39/02	71420	1	38,39/02;3/03	74018	6	44/02	74440	3	32,39/02;2/03
63420	2	39,45/02;8/03	71430	3	11/03*	74020	4	16,17,33,37,38,43/02;5/03	74450	3	21,22,26,49/02;2/03
63424	2	45/02	71440	2	11/03*	74021	7	10,13,14,20,33,35,39,44/02;7,10/03	74455	3	9,19,21,23,48/02;1,4/03
71005	1	7,9,34/02;2,6/03	71445	1	7/03	74024	7	31,44/02			
71006	5	8,39/02	71450	1	22,25/02;7/03	74027	9	43,44/02			
71009	3	9,39,46,48/02;1,6,7/03	71455	2	11/03*	74030	6	10,28,51/02			
71012	3	19,33,39,46/02;1/03	71460	1	15,20,25,41/02	74042	1	6/02			
71018	10	2,5,9,10,15,33,35,37/02;7/03	71465	1	20/02	74053	2	10,28,51/02			
			71470	2	15,38/02	74054	2	28/02			
			72000	8	4,31,32,35,47,50/02;2/03	74071	4	12/02			
			72007	10	6,30,36,38,47,51/02;2,5,7,11/03	74151	9	4,10,20,24,27,36,44/02;2/03			
			72014	10	12,46/02;7/03						
			72021	8	31,36,38,47,50,51/02;7/03						
			72028	7	4,5,15,31,34/02						
			72035	8	16,31/02;8/03						

SECTION I

NM 11/03

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 11/03

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.
74460	4	21,22,26,37,40,46,49/02; 6/03	75261	6	13,17,21,23,24,33,36, 48/02;3,6/03	83574	2	5/02;7/03	93440	4	18/02
74465	2	9/02;9/03	75262	6	12,38/02	83580	2	12,24/02;8/03	93460	7	6/02
74470	2	8/03	75263	9	17,32/02;5/03	91005	6	7,10,11,45/02	93520	13	45/02
74475	2	44/02	75264	17	16,17,19,33,34,37,41,42, 44,45/02;2/03	91008	1	12,29,44,48/02;8,10/03	93610	3	44,45/02;6/03
74480	2	44/02	75265	2	13,17,20,21,24/02;6/03	91010	6	29,48/02;10/03	93650	2	19,44/02;6/03
74485	3	16,43/02	76015	1	3,4,18,23,24,29,35,40/02	91020	5	10,19,21,22/02	93652	2	3,6/03
74491	4	6/02	76020	7	8,18/02	91025	8	7,10,21,22/02	93680	3	45,47/02
74492	7	6,16/02	76030	9	9,12,24,49/02	91030	3	7,10,11,21/02	93690	2	44/02;6/03
74493	3	6,16,38,43,45/02	76041	2	2/02	91040	1	10,11/02	93698	3	45/02
74494	2	41/02;8,9/03	76050	8	24,49/02	91080	4	11,21/02	93710	3	14,26/02;6/03
74510	2	14,16,17,33,35,37/02;5, 10/03	76052	8	8,12,15,21/02;4,5/03	91096	1	21/02	93720	10	39,45,50/02;8/03
74515	4	10,13,14,20,28,33,35, 39/02;4,7,10/03	76054	5	9,49/02	91170	2	38,41,44/02	93721	5	5,8,9,20,22,26,32,39,42, 45,50/02;4,11/03
74517	3	10,13,18,20,21,39,41/02; 4/03	76056	3	9/03	91240	5	7,10/02	93725	6	20,45/02
74521	3	28,41/02	76060	7	40/02	91280	7	19,22/02	93726	4	26,48/02;8/03
74527	2	28/02	76061	3	40/02;9/03	91289	19	13,19,20/02	93730	3	6,21,39,40,42,45,47, 50/02;2,4/03
74530	2	28,44/02	76070	9	4,9,12,23,35/02	91294	8	10,14/02	93733	13	5,6,17,21,22,26,32,39, 45/02;4/03
74535	2	31,42,44,48/02	76071	9	4,23,35/02	91297	9	10,14/02	93734	11	6,17,22,26,32,45/02;4/03
74545	3	28,40/02	76080	8	3/02;1/03	91300	3	10,21,22/02	93736	22	5,6,8,11,16,22,26,32, 41/02;4/03
74550	4	5/03	76081	7	9,12/02	91309	4	13/02	93778	8	14,47/02;7/03
74555	3	10,34,43,44,48,51/02; 5/03	76083	3	1/03	91331	3	10,21/02	94004	6	2,12,14,19,29,30,33,37, 44,52/02;8,9,10/03
74560	10	14,23,28,32,40,43,46,48, 50/02;4,5/03	76090	6	2,9/02	91340	3	11,19,21/02	94016	2	12,23,33,35,52/02;3,9, 10/03
74561	2	5/03	76110	5	23/02	91360	2	11/02	94028	7	7,8,9,13,14,23,25,40,42, 52/02;1,6,7,8,9,11/03
74581	9	9,13,20,26,32,34,36,40, 41,43,45/02	76120	6	6,22,23,25/02	91400	2	10/02	94042	9	47,51/02;7/03
74582	9	3,9,13,18,26,28,40/02	76121	8	4,9/02	91407	2	10/02	94060	10	2,5,27,29,30,33,37,46, 47/02;7,8,10/03
74583	15	26,32,34,40,43,44,48/02	76140	7	2,46/02	92006	5	45,46/02;5/03	94082	8	5,13,14,25,27,30,44/02; 8/03
74584	5	4,18,22,25,32,34,41,43, 45/02	76141	8	4,14,19,46/02	92010	3	19/02	94084	1	5,6,13,23,25/02
74590	2	10,28,51/02	76142	1	46/02	92020	2	19/02	94120	6	12,19,21,33,38,48,52/02; 9,10/03
74591	7	10,40/02;8/03	76146	1	2,8/02	92023	3	10,11,13,21/02	94122	7	19,30,40/02
74595	2	28/02	76147	1	2/02	92030	4	7,10,11,19,21/02	94123	9	12,21,33,38,42,44,52/02; 9,10/03
75000	6	47/02;6/03	76150	6	35/02	92033	5	45/02	94124	13	38,42,44/02;10/03
75001	3	9,23,47/02;5,6/03	76151	7	5,22/02	92060	3	21/02	94127	2	21,33,38/02;6,9/03
75010	7	16,18,41,42,50/02	76160	10	9,40/02	92061	3	21/02	94160	7	2,26,27,33,38,44,46,47, 50,51,52/02;9,10/03
75025	9	14,22,23,36,39/02;2,4, 8/03	76170	7	29/02	92110	3	13/02	94164	2	2,26,27,46,50,51/02
75035	18	10,21,24,36,39/02;2,6/03	76171	10	9/02	92115	1	13,15/02	94165	4	14,20,26,50/02
75051	6	13,16/02;5/03	76180	1	2,4,6,18,22,23/02	92120	3	5/02	94180	9	26,32,42,44,47,50,51/02
75052	2	13,16/02	81002	6	18/02	92200	3	10,19/02	94182	2	N51/02
75110	2	50/02	81023	5	18/02	92210	3	18*,19/02	94187	3	32/02
75120	2	16,42/02	81048	8	14/02	92214	4	3,19/02	94188	2	44,46,47,51/02;8/03
75130	16	7,16,18,21,27,31,34,41, 50,51/02;5,7,8/03	81054	12	14,29/02	92216	3	23/02*	94201	1	51/02
75131	7	18,20,28/02	81063	5	2/02	92242	2	3/02	94203	10	22,26,41,42,44,46,47, 52/02;10,11/03
75132	11	31/02	81067	5	51/02;10/03	92290	2	7,11/02	94206	3	22,26,41,42,44,47,52/02; 11/03
75134	3	7,23,27,33,51/02;5/03	81076	9	51/02;10/03	92292	2	7,11/02	94207	5	N26,N42,N44,N47, N52/02;N11/03
75142	5	4,8,15,21,28,36,42,50/02	81092	3	38*,50/02	92310	4	5,11,13/02	94208	6	N44/02
75143	4	4,12,15,20,28,32,33,36, 38,42,50/02	81711	6	23/02	92320	4	7,10/02	94216	6	27,45/02;10/03
75144	3	20,31,33,36,42,51/02;4, 10/03	81715	4	23/02	92380	3	7,10,11/02	94217	4	30/02;6/03
75150	5	13,16,50/02	82015	13	22/02	92385	4	7,10/02	94218	3	30,36/02;6/03
75160	6	6,22,23,24/02	82020	7	22/02	92410	3	10,11,14/02	94219	1	47/02
75170	12	38,39/02;8/03	82030	8	12,18/02	92420	4	11/02	94220	4	22,26,41,42,47,49/02;8, 10,11/03
75171	22	5,8,10,12,14,17,18,22,27, 31,32,33,36,38,40,42,48, 52/02;1,6/03	82210	2	42,48/02	92450	3	7,21/02	94260	5	49/02;1,6,11/03
75172	5	39/02	82242	1	35,48,50/02	92460	1	11/02	94280	5	51/02
75173	9	8,10,12,14,17,20,25,31, 32,33,36/02;1,6/03	82244	5	35,42,48/02	92470	3	19,21/02	94281	6	6/03
75175	9	5,16,18,31,33,38,40,45, 50/02;6/03	82253	5	35,42,48/02	92560	4	45/02	94282	9	46/02;8/03
75176	9	5,7,14,17,27,42,50/02	82254	7	35,48,50/02	93006	2	21,39,45/02;4,8,10/03	94283	7	46/02;2,8/03
75177	7	5,12,18,27,38,48,50, 52/02;6/03	82374	9	22/02	93010	6	15,17,22,27,38,40,41/02; 2/03	94290	2	1,7/03
75180	2	3/02;8/03	82377	2	22/02	93018	8	9,27/02;1/03	94322	14	8/03
75185	2	22,47/02;8/03	82580	2	19/02	93020	2	15,24,38/02;4/03	94360	6	18,32,43/02;6/03
75190	2	11,23,47/02	82646	2	19,33/02	93022	4	6,18/02	94361	13	18,32/02
75191	6	3,22,25,37,38,43,47/02; 8/03	82683	4	6,18,33/02	93025	5	45/02	94363	4	32,43/02
75193	6	22,49/02;1,5,7,10/03	82684	3	3,12,18,33,38/02;7/03	93030	6	6,18,45/02	94380	4	N5,N6/03
75207	2	36,52/02;4/03	82689	3	5,6,18,38/02	93032	3	45/02	94384	3	5/03
75208	2	14,26,50/02	82690	10	6,18,19,20/02	93043	1	45/02	94420	3	5,39/02;4,8,11/03
75213	2	36,52/02	82694	6	38/02	93046	1	9,45/02;5/03	94421	10	15,45/02;4/03
75215	2	36,39,40,52/02;7/03	82697	6	38,46/02	93047	2	45,49/02	94423	12	19,45/02;11/03
75220	12	10,14,36,39,49/02;4/03	83010	6	6/03	93048	1	35,49/02;5/03	94427	2	N32/02
75222	8	18,22,35,40/02	83020	8	7/02	93049	1	45/02;4/03			
75240	4	14,36,39/02;2,4/03	83021	1	25,27,43/02	93061	4	45/02			
75241	6	34,36/02	83023	4	25,27,43/02	93101	2	N24,N34,N38/02;N2/03			
75251	5	23,33,48/02;3/03	83026	32	18,41/02;6/03	93110	2	22,24,38,40,41/02;1,2/03			
			83032	1	18/02	93113	2	19/02			
			83034	1	12/02	93115	2	40,41/02			
			83039	11	9,12,41/02;6/03	93117	2	19,40,41/02			
			83251	2	2/03	93160	4	15*,27,34/02;1/03			
			83252	8	18/02;2/03	93180	7	27,34/02			
			83253	2	18/02	93200	4	9,26,27/02			
			83382	9	20,25,27/02	93220	6	17,27,34/02			
			83383	2	20,25,27/02	93240	11	17,34/02			
			83385	19	20,27/02	93241	9	8/03			
			83392	5	31/02	93243	6	42/02			
			83393	2	N31/02	93247	4	26/02			
			83397	6	8,18/02;1/03	93260	8	27,31/02;7/03			
			83425	6	3,20,35/02	93261	5	31/02;7/03			
			83500	1	9,12/02	93360	5	38/02			
			83560	3	9/02	93385	6	6,18/02			
			83570	2	5,24/02	93404	6	6/02			
			83572	1	24/02	93420	4	18/02			

CHARTS AFFECTED BY NOTICE TO MARINERS
 NM 2/02 THROUGH NM 11/03

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.
94440	2	46/02	95274	3	48/02	97064	2	8,9/02;6/03	97261	15	10,17,18,41/02;1,5,7/03
95016	8	9,12,40/02	95276	3	21/02*	97080	5	9/02	97262	10	21,29,34/02;1,5,6,7/03
95040	8	4,40/02;1,1/03	95280	9	2,17,48/02;8/03	97082	5	24,46/02	97263	10	5,7,9/03
95060	13	4,10,14,15,16,40,43,44,47,48,52/02;1,6,11/03	95281	15	7,10/03	97083	3	9,24/02	97266	5	10,17,37,41/02;1,5,6,7/03
95065	5	4,14,48/02;10/03	95282	7	46,52/02;4,6,9/03	97100	4	20,28,42,47/02	97267	16	17,18,25,29,40,41/02;1,5,6,8,10/03
95066	11	4,10,13,14,15,16,18,19,20,41,43,44,47,48,49,50/02;1,5,6/03	95300	5	2,16,45,48,52/02	97101	1	28/02	97268	10	6/03
95067	13	18,41,44,46/02;1,5,10/03	95320	15	8,35,38/02	97104	4	8,10,20/02;7/03	97269	11	20,45/02;8/03
95068	1	41,42,45,47/02	95341	8	8,10,11,18,19,42,47/02;1,10/03	97105	3	8,10,20/02	97270	6	36,44/02;1,5/03
95080	13	8,10,13,16,18,25,27,30,33,40,44,45,50,52/02;1,6,7,9,10/03	95342	16	30/02;9/03	97120	6	2,15,22,28,31,37,40,42,43/02;9/03	97271	12	17,18,25,29,37,39/02;6,10/03
95082	9	10,13,19,21,25,27,30,33,44,46/02;1,4,7,11/03	96000	5	6,8/02	97141	5	13*,19,21,40,46/02;8/03	97272	11	19,52/02;6,10/03
95083	8	21,25,33/02;1,4/03	96012	16	7,8,11/02	97143	11	2,21,31,43,45/02;9/03	97273	10	19,27,34,42,45,49/02;6,8,9/03
95084	7	15,16,18,50,52/02;8/03	96020	4	6,7,41/02	97144	14	44*,46/02;7,8,9/03	97274	19	19,27,31,34,39,45/02;6,9/03
95085	4	15,45,52/02;1,6,11/03	96024	3	6,7,8/02	97145	1	2,15,22,43/02;8,9/03	97276	1	27,29,40/02;9/03
95086	5	15,45,52/02;1,6,8,11/03	96028	5	6,7,8/02	97146	10	44/02*	97277	11	10,17,27/02;1,5,6,8,9/03
95087	3	4,19,21,25,33,40,48/02;1,8/03	96032	3	38/02	97148	9	21*,23,45/02;9/03	97278	11	39/02;1/03
95100	12	7,8,9,10,13,14,15,16,18,38,39,43,44,45,46,47,50,52/02;1,4,6,7,8,9,10/03	96039	7	16,17,30/02	97149	20	25,34,35,44,45/02;1/03	97279	9	27/02;9/03
95101	8	8,13,14,15,39,44,50/02;1,5,6,9/03	96041	11	16,17,30/02	97150	13	34,39,43,44/02	97280	4	52/02
95102	8	8,10,13,38,42,45,46,47,48,50,52/02;1,4,5,8/03	96042	11	16/02;10/03	97151	16	31,35,44,45/02	97281	2	41/02
95103	8	8,13,42,43,45,47,52/02;4,6,7,10/03	96043	8	16/02	97152	8	37/02	97283	3	45/02;9/03
95120	7	6,13,17,20,21,42,43,52/02;1,4/03	96044	10	8,29,30/02	97153	7	31/02	97285	6	10,19,23,27,31,34,42/02;7/03
95138	8	45,46,48,49,50,52/02;8/03	96120	6	30/02	97154	2	36/02	97286	6	10,11,21,23,25,27,31,34,35,36,41,42/02;6,8,10/03
95140	15	7,8,10,14,15,18,22,38,40,41,44,48,49,52/02;1,7,8,9,10/03	96130	2	9/02	97155	14	2,20,31,35,36,37,39,40,48/02	97287	5	11,34/02
95141	8	7,14,45,47,50,52/02;1,6,7,8/03	96140	5	30/02	97156	6	2,21,37/02;1/03	97300	6	12/02;1/03
95142	9	15*,18,19,50,52/02;8,10/03	96141	4	9/02	97157	1	35,37/02	97303	3	18,25,47,48/02
95143	11	4,15,18,40,45,47,48,49,50/02;1,5,6,7,8,9,10,11/03	96181	5	9/02	97159	6	33,39/02;7/03	97320	6	33/02
95144	9	8,10,19,38,41,46,48,50,52/02;1,6,8,9,10,11/03	96200	5	8,9/02	97163	14	23/02	97340	8	27,33,38,52/02
95146	14	7,10,19,36,38,39,40,41,44,46,47,48,50,52/02;1,8,9/03	96240	4	8,11/02	97164	1	7/03	97341	9	2,27,34/02
95147	13	7,39,41,44,45,46,47,48,49/02;1,5,9/03	96300	4	11,12/02	97165	1	7/03	97342	14	27,38/02
95149	9	15,18,22,34,36,37,38,41,43,48,49,52/02;8,9/03	96320	4	12/02	97166	1	33/02	97343	12	27,38/02
95151	17	13,15,18,34,36,37,38,40,47,50/02;1,5/03	96340	4	12/02	97167	2	23,33/02	97360	6	20,23,27,38/02;5,7/03
95152	5	37,38/02;6,9/03	96360	4	12/02	97180	6	8,9,11,22,31,34,39,43,45,46,48/02;4,8/03	97380	7	21,39,47,52/02;1,2,8/03
95153	2	15,22,34,36,37,38,43/02	96379	1	10/03	97181	20	8,9,11,18,22,25,31,34,46,48/02;1,4,7,8/03	97381	7	27/02;7/03
95160	13	4,7,8,9,15,27,41,42,47,52/02;1,6,8,9,11/03	96382	2	10/03	97182	13	11,18,21,23,31,34,39,46,48/02;1,4,5,6,7,8/03	97382	2	41,45/02;4/03
95161	16	4,27,31,40,45,48,50/02;1,5,6,8,9,10/03	96441	1	41/02;10/03	97183	9	25,44/02;5,9/03	97383	16	31/02;5,7/03
95162	2	20,40,44,47/02;10/03	96480	3	6,7,8,41/02	97184	15	25,28,47/02;1,7/03	97384	4	47/02
95163	2	27/02;1,6,9,10/03	96500	6	6,8,41/02;10/03	97185	2	43/02;1,7/03	97385	10	31,52/02;5,6,7,9/03
95164	4	43,48/02;1,6,9/03	96520	7	10/03	97187	3	44,48/02;9/03	97387	2	4,5,7/03
95167	10	44/02;1,6,9,11/03	96521	3	N19/02*	97188	2	1,7/03	97389	1	39/02
95169	2	4,44,50,52/02;11/03	96540	5	10/03	97189	2	25,28,44/02;9/03	97390	5	7,31,39,40/02;2,5/03
95171	1	1,6,9/03	96560	5	10/03	97190	2	8,9,22,34,39,52/02;8/03	97391	26	31/02;6,7/03
95172	1	1,9/03	96580	3	10/03	97200	9	11,52/02;8/03	97392	5	21/02;1/03
95173	1	15,16,17,50,52/02;1/03	96621	5	10/03	97202	15	43,44,52/02	97396	14	7,18,21,36,39,40/02;2/03
95174	1	17,50,52/02	96640	5	6/02	97204	9	2,10,28,29,45,52/02;4,6,10/03	97397	7	3,8,18,25,39,49/02
95176	2	16,20,31/02;8,11/03	96660	1	26/02	97206	2	10,12/02	97398	3	21,25,49/02
95177	1	18,41,50/02;9/03	96760	4	5,7,29,35,45/02	97207	3	11/02	97410	8	11,21/02
95180	11	9,15,17,18,27,40,42,44,49/02;1,6,9,10/03	96762	3	29/02	97208	3	10,21,41/02;6/03	97412	7	40/02
95185	2	20,31,40,44,49/02;10/03	96763	7	29,43,48/02;9/03	97218	3	10,21,41/02;6/03	97420	17	8,9,21,34,39,42,47,52/02;1,8,10/03
95250	4	12,44/02;1,6/03	96764	2	5,19/02;7/03	97219	4	10,12,21,25,31/02;6,9/03	97421	13	20,35,36/02;1,10/03
95255	2	44/02;1,7/03	96780	4	4,11/02	97220	3	2,7,8,21,24,31,37,39,42,43,44/02;6,8,9/03	97423	2	20,35,36/02;1/03
95258	3	6/03	96800	4	19*,41/02	97222	20	39,42,44,45,49,52/02;6,8,9,10/03	97425	6	10,34,39,47,52/02;1,6,8,10/03
95261	7	48/02;1,5,9/03	96820	4	6/02	97226	7	17/02	97440	8	20,23,27,52/02;1/03
95262	13	41,46/02;1,6,9/03	96840	3	6,19/02	97227	11	21,24,42,43/02;9/03	97441	5	20,46/02
95264	8	6,48/02	96860	3	6/02	97228	15	2,21,28,30,39,40,42,43/02;5,6,9/03	97460	7	40/02;5/03
95267	5	11,17/02	96880	6	6,7,8/02	97229	12	2,7,8,18,24,27,31,36,39,47/02;6,8,9/03	97461	9	4,5,21/02;5,8/03
95268	16	39,48/02;6,9/03	96882	4	7,8/02	97230	18	2,29,36,52/02;6,9/03	97465	9	5,21/02;1,6,8/03
95270	4	8,48/02;9,10/03	96883	9	7/02	97231	11	10,21,41/02;6/03	97466	2	5,25,46/02;1/03
95271	4	44,48/02;9,10/03	96900	4	5,7/02	97232	8	4,15,20,25/02	97469	10	7,26/02;1,6,8/03
95273	2	48/02	96920	3	5,7,19,27/02;7/03	97233	11	31,33,43,44,49/02;1,5,6,9/03	97471	5	N7,N31/02
			96949	21	45/02	97234	17	29,43,47,49/02;1,6,8,9/03	97472	8	6,7,34/02
			96960	3	9/02;7/03	97236	20	31,47/02;9/03	97473	7	5/02
			96962	4	19,30,35/02;1,9/03	97239	10	31,33/02;1,5,9/03	97474	7	21/02
			97021	7	2,16/02	97241	6	10/03	97480	7	12,21,35,52/02;3,9,10/03
			97026	10	23/02	97243	8	21,28,29,31,33,48/02;1,5,6/03	97481	6	10,47,49/02;9/03
			97029	3	19/02	97244	5	9/03	97483	7	48,52/02
			97040	5	43,47/02	97245	11	7,17,28,36/02;1,5,9/03	97521	6	19,42/02
			97041	9	45,47/02;10/03	97246	7	43,52/02;5/03	800669	8	N20/02
			97043	2	17,23/02	97251	4	6,10/03	800744	1	N22,N49/02;N5/03
			97060	8	9,46/02				801217	1	N5,N6,N7,N21/02;N6,N8/03
			97061	3	52/02				801885	3	N28/02
			97062	12	8,9,27,44/02;6,10/03				801959	2	N10/02

**CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 11/03**

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.			
804567	4	N17/02			
805647	2	N37,N51/02			
807861	2	N27/02			
808528	1	N25/02			
809310	9	N13,N18,N39/02			
809679	2	N25,N50/02			

SECTION II

NM 11/03

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							
11XHA11378 (7642014010230)	Santa Rosa Sound to Dauphin Island (Not shown on index) (New edition due to changes in hydrography and numerous Notice to Mariners corrections)	40,000	<u>32</u>	<u>1/03</u>	NOS	1-94	11/03
12XHA12285 (7642014010370)	Potomac River-Washington, D.C., Maryland, Virginia (Insets not shown on index) (New edition due to numerous Notice to Mariners corrections)	80,000	<u>35</u>	<u>1/03</u>	NOS	1-95	11/03
14XCO14820 (7642014010567)	Lake Erie (Metric) (LORAN-C) (New edition due to numerous Notice to Mariners corrections)	400,000	<u>19</u>	<u>1/03</u>	NOS	1-96	11/03
14XCO14965 (7642014010607)	Redridge to Saxon Harbor (LORAN-C) Insets: Ontonagon Harbor Black River Harbor Saxon Harbor (Insets not shown on index) (New edition due to numerous Notice to Mariners corrections)	120,000 10,000 5,000 2,500	<u>21</u>	<u>1/03</u>	NOS	1-96	11/03
19BHA19483 (7642014011693)	<u>Kure Atoll</u> (New edition due to changes in horizontal datum and territorial limits)	20,000	<u>6</u>	<u>1/03</u>	NOS	1-99	11/03
REGION 6							
62ACO62001 (7642014013322)	Red Sea Plan: Gulf of Suez	1,800,000 500,000	<u>5</u>	<u>2/03</u>	A	6-24	11/03
62ACO62032 (7642014013320)	Persian Gulf	1,000,000	<u>16</u>	<u>2/03</u>	A	6-24	11/03
62ACO62033 (7642014198974)	Persian Gulf	1,000,000	<u>3</u>	<u>2/03</u>	DS	6-24	11/03
62AHA62095 (7642014007277)	<u>Port of Djibouti</u>	10,000	<u>3</u>	<u>2/03</u>	A	6-10,24	11/03
62ACO62191 (7642014008999)	<u>Madiq Gubal to Ras Gharib</u> Plans: A. Sharm El-Sheikh B. Ras Shukheir	150,000 25,000 50,000	<u>15</u>	<u>2/03</u>	A	6-10,24	11/03
62BHA62457 (7642014013412)	Umm Sa'id	30,000	<u>6</u>	<u>2/03</u>	A	6-24	11/03
62ACO62510 (7642014007433)	Damagheh-ye Kuh to Jazireh-ye Kish	350,000	<u>3</u>	<u>2/03</u>	A	6-24	11/03
62ACO62512 (7642014199122)	<u>Damagheh-ye Kuh to Jazireh-ye Kish</u>	350,000	<u>3</u>	<u>2/03</u>	DS	6-12,24	11/03
REGION 7							
71ACO71430 (7642014014831)	Southeast Reaches to Singapore Strait	300,000	<u>3</u>	<u>1/03</u>	A	7-30	11/03
71ACO71440 (7642014014832)	<u>Singapore Strait to Pulau Tioman including Kepulauan Anambas</u>	300,000	<u>2</u>	<u>1/03</u>	A	7-5,30	11/03
71ACO71455 (7642014014833)	Kepulauan Natuna Besar	150,000	<u>2</u>	<u>12/02</u>	A	7-30	11/03
73ACO73012 (7642014013578)	Teluk Tomini and North Coast of Sulawesi	500,000	<u>6</u>	<u>1/03</u>	A	7-30	11/03

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			
	MISCELLANEOUS CHARTS AND PUBLICATIONS						
DNCDX001 (7644014408230)	South Atlantic Ocean		<u>17</u>	<u>12/02</u>	DS	10-43	11/03
DNCDXVDU (7644014946812)	Digital Nautical Chart (DNC) - VPF Database Update (VDU)		<u>10</u>	<u>12/02</u>	DS	10-43	11/03

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.

SECTION II
NAVIGATION PUBLICATIONS

NM 11/03

SAILING DIRECTIONS CORRECTIONS

PUB 120 **2 Ed 2001** **LAST NM 10/03**

Page 8—Table; replace with below:
New table titled **Restricted and Danger Areas with Associated Airspace—New South Wales** from back of this Subsection.
(Aus Annual Notice No. 9 of 2003) 11/03

Page 9—Table; replace with below:
New table titled **Restricted and Danger Areas with Associated Airspace—New South Wales** from back of this Subsection.
(Aus Annual Notice No. 9 of 2003) 11/03

Page 10—Table; replace with below:
New table titled **Restricted and Danger Areas with Associated Airspace—New South Wales** from back of this Subsection.
(Aus Annual Notice No. 9 of 2003) 11/03

Page 11—Table (upper); strike out.
(Aus Annual Notice No. 9 of 2003) 11/03

Page 11—Table (lower); replace with below:
New table titled **Restricted and Danger Areas with Associated Airspace—Queensland** from back of this Subsection.
(Aus Annual Notice No. 9 of 2003) 11/03

Page 12—Table; replace with below:
New table titled **Restricted and Danger Areas with Associated Airspace—Queensland** from back of this Subsection.
(Aus Annual Notice No. 9 of 2003) 11/03

Page 13—Table; replace with below:
New table titled **Restricted and Danger Areas with Associated Airspace—Queensland** from back of this Subsection.
(Aus Annual Notice No. 9 of 2003) 11/03

Page 14—Table; replace with below:
New table titled **Restricted and Danger Areas with Associated Airspace—Queensland** from back of this Subsection.
(Aus Annual Notice No. 9 of 2003) 11/03

Page 15—Table; replace with below:
New table titled **Restricted and Danger Areas with Associated Airspace—Victoria and Tasmania** from back of this Subsection.
(Aus Annual Notice No. 9 of 2003) 11/03

Page 17—Graphic; replace with below:
New graphic from back of this Subsection.
(Aus Annual Notice No. 9 of 2003) 11/03

Page 18—Graphic; replace with below:
New graphic from back of this Subsection.
(Aus Annual Notice No. 9 of 2003) 11/03

Page 20—Graphic; replace with below:
New graphic from back of this Subsection.
(Aus Annual Notice No. 9 of 2003) 11/03

Page 22—Graphic; replace with below:
New graphic from back of this Subsection.
(Aus Annual Notice No. 9 of 2003) 11/03

Page 24—Lines 44 to 45/R; read:
each port.

Quarantine

The Australian Quarantine and Inspection Service (AQIS) currently requires all vessels arriving in Australia from overseas, or who have been in contact with overseas vessels or sea installations, to submit a Quarantine Pre-Arrival Report (QPAR) to AQIS. Copies of the report can be accessed from the AQIS web site.

<p>Austalian Quarantine and Inspection Service</p> <p>http://www.aqis.gov.au/shipping</p>
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The QPAR details the condition of the vessel, including human health, cargo, and ballast water management. The QPAR should be sent to AQIS no more than 48 hours and no less than 12 hours prior to arrival in Australia. This will allow efficient processing of the QPAR and avoid any disruption to the vessel's arrival. Vessels that do not submit a QPAR will be met by a quarantine officer on or shortly after arrival to complete the quarantine formalities. This will cause a delay to the vessel and additional AQIS charges.

Vessels require written permission to discharge any ballast water in Australian ports or waters. This permission may only be granted after the vessel has properly submitted a QPAR to AQIS.

Search and Rescue

(Aus Annual Notice No. 20 of 2003) 11/03

PUB 140 **2 Ed 2001** **LAST NM 9/03**

Page 94—Line 11/L; read:
a. 35°33'N, 24°39'E.
(Gr Annual Notice No. 4 of 2003) 11/03

PUB 140 (Continued)

Page 94—Line 21/L; read:

e. 35°28'00"N, 24°08'30"E.

(Gr Annual Notice No. 4 of 2003)

11/03

Page 94—Lines 26 to 33/L; strike out.

(Gr Annual Notice No. 4 of 2003)

11/03

Page 130—Line 20/R; insert after:

Ship Reporting System

The Adriatic Traffic Maritime Traffic Control System regulates vessel traffic in the S part of the Adriatic Sea. The system's boundaries are, as follows:

1. Southern boundary—39°47'N.
2. Western boundary—Coast of Italy.
3. Northern boundary—42°00'N.
4. Eastern boundary—Coast of Albania.

The system, which consists of a mandatory reporting system and recommended routes, applies to passenger vessels and cargo vessels greater than 300 tons.

Northbound vessels must conform to the recommended route as much as possible by passing through the following way points:

- a. 40°18.5'N, 19°00.0'E.
- b. 41°12.0'N, 18°04.0'E.

Southbound vessels must conform to the recommended route as much as possible by passing through the following way points:

- a. 41°12.0'N, 17°32.0'E.
- b. 40°21.0'N, 18°44.0'E.

Vessels intending to sail within the above-described system boundary must contact the Harbormaster of Brindisi, call sign ADRIATIC TRAFFIC, on VHF channel 10, as follows:

1. Northbound vessels—when crossing 39°47'N.
2. Southbound vessels—when crossing 42°00'N.
3. Immediately upon departing an Italian port located within the above-described system boundary.

The message format is given below. If VHF channel 10 is unavailable, the reports may be transmitted via VHF channel 16.

ADRIATIC TRAFFIC Message Format	
Line	Description
A	Type of report—01/PR, 02/PR, 03/PR (PR stands for Position Report)
B	Time in UT(GMT) (date and time of report (6 digits)—day of month (2 digits) and hours and minutes (in 4 digits))
C	Vessel name, type, and call sign
D	Nationality of vessel
E	Vessel length and draft
F	Displacement and gross tonnage
G	Current latitude (4 digits followed by N) and longitude (5 digits followed by E)

ADRIATIC TRAFFIC Message Format	
Line	Description
H	Speed (3 digits indicating speed in knots and tenths) and route (3 digits indicating route in degrees)
I	Anticipated time of arrival/departure (as expressed in B), followed by the point of destination.
L	ETA at next way point (as expressed in B), followed by the parallel of the way point.
M	Number of people on board, including crew
N	Cargo information—Technical designation of hazardous cargo, UN number (if available) IMO hazard class, quantity on board, location on board, and, if in containers, their identifying signs.
O	Any other relevant information.

Vessels must maintain a continuous listening watch on VHF channel 10 when in this system. All vessels must continuously monitor its position and report it on request to ADRIATIC TRAFFIC. Any damage, accident, or loss of hazardous cargo must be reported immediately to ADRIATIC TRAFFIC.

(18(25)02 Genova)

11/03

Page 130—Line 21/R; read:

Italian Automated Search and Rescue System

(NIMA)

11/03

PUB 160 2 Ed 2002**LAST NM 10/03**

Page 25—Line 30/R; read:

the AQIS web site.

(NIMA)

11/03

Page 25—Lines 36 to 37/R; read:

the vessel's arrival. Vessels that do not submit a QPAR will be met by a quarantine officer on or shortly after arrival to complete the quarantine formalities. This will cause a delay to the vessel and additional AQIS charges.

(Aus Annual Notice No. 20 of 2003)

11/03

PUB 172 9 Ed 2001**LAST NM 1/03**

Page 209—Line 33/R; read:

about 3 miles N of Mina Rashid harbor entrance, although

(US CH 62405)

11/03

Page 211—Line 15/L; insert after:

Extensive land reclamation operations are in progress (2002) NE and SW of the approach channel. Artificial reefs and islands are under construction 7.5 miles NE and 2.5 miles SW of the channel. Construction traffic crosses the ap-

PUB 172 (Continued)

proach channel in the vicinity of Lighted Buoy 9 and Lighted Buoy 10.

(BA NM 1/03, Section IV)

11/03

Page 231—Lines 42/L to 25/R; read:

Pilotage is compulsory for vessels over 250 grt intending to transit the entrance channel to Khawr Al Qulayah.

Vessels between 250 and 1,500 grt may be given permission to proceed without a pilot according to the circumstances pre-ailing at the time.

Bahrain Pilots provides pilotage for all vessels bound for Khawr al Qulayah, as well as the GIIC Terminal, the Alba Jetty, and the BAPCO Terminal.

ASRY Pilots provides pilotage for vessels bound the ASRY Drydock.

Both pilotage authorities coordinate their activities through Bahrain Port Control.

Pilots board 0.3 mile SE of Sitrah Lighted Buoy, except for the BAPCO Terminal; pilots for this facility board at the anchorage.

Regulations

GIIC Terminal.—Vessels should send their ETA at least 72 hours in advance, via Bahrain (A9M), including the following information:

1. Last three ports of call.
2. Arrival drafts, fore and aft, and berthing displacement.
3. State of readiness to berth/unload.

When within VHF range, vessels should establish contact with Bahrain Port Control and the BAPCO Terminal to obtain the latest movement schedule from Sitrah Pilots.

BAPCO Terminal (Bahrain Petroleum Company BSC Terminal).—Vessels should send their ETA, draft, and bunker fuel requirements 48 hours in advance. When within VHF range and when at anchor, vessels should maintain a continuous listening watch on VHF channel 16 and 74.

ASRY Drydock.—Vessels should send their ETA at least 72 hours in advance, via Bahrain (A9M), including the following information:

1. Last three ports of call.
2. Arrival drafts, fore and aft, and berthing displacement.
3. State of readiness to berth/unload.
4. Whether vessel is gas free and ready to berth.
5. Whether vessel requires tank cleaning.

When within VHF range, vessels should establish contact on VHF channel 16 with the ASRY Drydock.

Alba Jetty (Aluminum Bahrain).—Vessels should send their ETA at least 72 hours in advance, via Bahrain (A9M), including the following information:

1. Last three ports of call.
2. Arrival drafts, fore and aft, and berthing displacement.
3. State of readiness to berth/unload.
4. Bunker requirements.

When within VHF range, vessels should establish contact with Bahrain Port Control and the BAPCO Terminal to obtain the latest movement schedule from Sitrah Pilots. When

alongside, vessels communicate with the wharf staff on VHF channel 8

Vessel Traffic Management System.—A Vessel Traffic Management System is in operation in the approaches to the port, including the Deepwater Fairway and the Northeast Approach Channel.

Inbound vessels over 50 grt should contact Bahrain Port Control Operations, as follows:

1. Vessels should radio their ETA at Sitrah Lighted Buoy (26°11'N., 50°43'E.), with draft and details of any deficiencies in vessel handling or seaworthiness, when within VHF range.
2. Vessels using Deepwater Fairway should request permission to proceed past Lighted Buoy No. 3 (26°29'N., 50°57'E.).
3. When passing the charted Reporting Points.
4. Vessels should report their intention to anchor to Port Control in sufficient time for an alternative anchorage to be stipulated.
5. When berthed, moored, or anchored.

Outbound vessels over 50 grt should contact Bahrain Port Control Operations, as follows:

1. Vessels should contact Port Control 15 minutes before, and immediately prior to, getting underway.
2. When passing the charted Reporting Points.
3. Vessels using Deepwater Fairway should request permission to proceed past Bahrain Approach Lighted Buoy.

All vessels are required to maintain a continuous listening watch on VHF channel 74 when within the port area, including while anchored. Bahrain Port Control should be contacted if the vessel is to shift berth or anchorage and again when the vessel is situated.

Vessels berthing at Sitrah should have their outboard anchor cleared and ready to let go before approaching the dock; however, the anchor should not be let go in the vicinity of the dock, except on the advice of the Mooring Master.

(BA NM 7/03, Section VI)

11/03

COAST PILOT CORRECTIONS

COAST PILOT 2 **31 Ed 2001** **Change No. 27**
LAST NM 6/03

Page 15—Paragraph 386, line 3 to Paragraph 387, line 3; read:

bathymetric map are referred. The tidal datum of **Mean Lower Low Water** has been used as Chart Datum along the east, west and Gulf coasts, including the coasts of Alaska, Hawaii, the West Indies and other United States and United Nations islands of the Pacific.

Mean Lower Low Water is defined as the arithmetic mean

...

(CL 68/03; NOS/03)

11/03

Page 34—Insert in Box after Part 117:

Part 157 Rules for the Protection of the Marine Environment relating to Tank Vessels Carrying Oil in Bulk

(33 CFR 157)

11/03

COAST PILOT 2 (Continued)

Page 148—Paragraph 94, line 1; read:

Cuttyhunk Light (41°24'51"N., 70°56'59"W.), 63 feet ...
(48/02 CG1; LL/02) 11/03

Page 168—Paragraph 188, lines 1 to 2; read:

Prominent features.—Conimicut Light (41°43'01"N., 71°20'42"W.), 58 feet above the water, is shown from a white conical ...
(49/02 CG1; LL/02) 11/03

Page 176—Paragraph 33, line 1; read:

Block Island Southeast Light (41°09'10"N., 71°33'04"W.), ...
(48/02 CG1; LL/02) 11/03

Page 179—Paragraph 83, line 1; read:

Race Rock Light (41°14'37"N., 72°02'49"W.), 67 feet above ...
(49/02 CG1; LL/02) 11/03

Page 179—Paragraph 86, line 4; read:

Little Gull Island Light (41°12'23"N., 72°06'25"W.), 91 feet above the water, is shown ...
(49/02 CG1; LL/02) 11/03

Page 181—Paragraph 129, line 4; read:

depths of 17 to 19 feet over them. In December 2002, an obstruction in 64 feet of water, marked with three orange floats, was reported in about 41°10'06"N., 72°12'54"W. Tides and currents set through the ...
(49/02 CG1) 11/03

Page 197—Paragraph 86, line 2; read:

(41°16'28"N., 72°08'14"W.), 35 feet above the water and shown ...
(49/02 CG1; LL/02) 11/03

Page 200—Paragraph 116, line 1; read:

Saybrook Breakwater Light (41°15'48"N., 72°20'34"W.), ...
(49/02 CG1; LL/02) 11/03

Page 206—Paragraph 224, line 9; read:

Light (41°12'43"N., 72°39'13"W.), 94 feet above the water, is shown ...
(49/02 CG1; LL/02) 11/03

Page 208—Paragraph 264, line 1; read:

Southwest Ledge Light (41°14'04"N., 72°54'44"W.), 57 ...
(49/02 CG1; LL/02) 11/03

Page 210—Paragraph 277, line 6; read:

Southwest Ledge Light. In July 2002, there was an obstruction near the mouth of the entrance channel in about 41°12'59"N., 72°54'11"W. with 22 feet water over it.
(CL 2345/02; 01/03 CG1) 11/03

Page 299—Paragraph 28; read:

Distances Between United States Ports (available on the internet only at <http://chartmarker.ncd.noaa.gov/nsd/ports.html>.)
(01/03 CG7) 11/03

COAST PILOT 2 31 Ed 2001 Change No. 28

Page 69—Paragraph 1269, line 3/L; read:
descriptions in chapters 4 through 12.

Part 157-Rules for the Protection of the Marine Environment relating to Tank Vessels Carrying Oil in Bulk.**Subpart A-General****§157.01 Applicability.**

(a) Unless otherwise indicated, this part applies to each vessel that carries oil in bulk as cargo and that is:

(1) Documented under the laws of the United States (a U.S. vessel); or

(2) Any other vessel that enters or operates in the navigable waters of the United States, or that operates, conducts lightering under 46 U.S.C. 3715, or receives cargo from or transfers cargo to a deepwater port under 33 U.S.C. 1501 et seq., in the United States Exclusive Economic Zone, as defined in 33 U.S.C. 2701(8).

(b) This part does not apply to a vessel exempted under 46 U.S.C. 2109 or 46 U.S.C. 3702.

§157.02 Incorporation by reference.

(a) Certain material is incorporated by reference into this part with the approval of the Director of the Federal Register under 5 U.S.C. 552(a) and 1 CFR part 51. To enforce any edition other than that specified in Paragraph (b) of this section, the Coast Guard must publish notice of change in the FEDERAL REGISTER; and the material must be available to the public. All approved material is available for inspection at the Office of the Federal Register, 800 North Capitol Street NW., suite 700, Washington, DC, and at the U.S. Coast Guard, Office of Operating and Environmental Standards (G-MSO), 2100 Second Street SW., Washington, DC 20593-0001, and is available from the sources indicated in Paragraph (b) of this section.

(b) The material approved for incorporation by reference in this part and the sections affected are as follows:

§157.03 Definitions.

Except as otherwise stated in a subpart:

Amidships means the middle of the length.

Animal fat means a non-petroleum oil, fat, or grease derived from animals and not specifically identified elsewhere in this part.

Ballast voyage means the voyage that a tank vessel engages in after it leaves the port of final cargo discharge.

Breadth or B means the maximum molded breadth of a vessel in meters.

Cargo tank length means the length from the forward

COAST PILOT 2 (Continued)

bulkhead of the forwardmost cargo tanks, to the after bulkhead of the aftermost cargo tanks.

Center tank means any tank inboard of a longitudinal bulkhead.

Clean ballast means ballast which:

(1) If discharged from a vessel that is stationary into clean, calm water on a clear day, would not—

(i) Produce visible traces of oil on the surface of the water or on adjoining shore lines; or

(ii) Cause a sludge or emulsion to be deposited beneath the surface of the water or upon adjoining shore lines; or

(2) If verified by an approved cargo monitor and control system, has an oil content that does not exceed 15 p.p.m.

Combination carrier means a vessel designed to carry oil or solid cargoes in bulk.

Crude oil means any liquid hydrocarbon mixture occurring naturally in the earth, whether or not treated to render it suitable for transportation, and includes crude oil from which certain distillate fractions may have been removed, and crude oil to which certain distillate fractions may have been added.

Deadweight or DWT means the difference in metric tons between the lightweight displacement and the total displacement of a vessel measured in water of specific gravity 1.025 at the load waterline corresponding to the assigned summer freeboard.

Dedicated clean ballast tank means a cargo tank that is allocated solely for the carriage of clean ballast.

Domestic trade means trade between ports or places within the United States, its territories and possessions, either directly or via a foreign port including trade on the navigable rivers, lakes, and inland waters.

Double bottom means watertight protective spaces that do not carry any oil and which separate the bottom of tanks that hold any oil within the cargo tank length from the outer skin of the vessel.

Double hull means watertight protective spaces that do not carry any oil and which separate the sides, bottom, forward end, and aft end of tanks that hold any oil within the cargo tank length from the outer skin of the vessel as prescribed in §157.10d.

Doubles sides means watertight protective spaces that do not carry any oil and which separate the sides of tanks that hold any oil within the cargo tank length from the outer skin of the vessel.

Existing vessel means any vessel that is not a new vessel.

Fleeting or assist towing vessel means any commercial vessel engaged in towing astern, alongside, or pushing ahead, used solely within a limited geographic area, such as a particular barge fleeting area or commercial facility, and used solely for restricted service, such as making up or breaking up larger tows.

Foreign trade means any trade that is not domestic trade.

From the nearest land means from the baseline from which the territorial sea of the United States is established in accordance with international law.

Fuel oil means any oil used as fuel for machinery in the vessel in which it is carried.

Inland vessel means a vessel that is not oceangoing and

that does not operate on the Great Lakes.

Instantaneous rate of discharge of oil content means the rate of discharge of oil in liters per hour at any instant, divided by the speed of the vessel in knots at the same instant.

Integrated tug barge means a tug and a tank barge with a mechanical system that allows the connection of the propulsion unit (the tug) to the stern of the cargo carrying unit (the tank barge) so that the two vessels function as a single self-propelled vessel.

Large primary structural member includes any of the following:

(1) Web frames.

(2) Girders.

(3) Webs.

(4) Main brackets.

(5) Transverses.

(6) Stringers.

(7) Struts in transverse web frames when there are 3 or more struts and the depth of each is more than 1/15 of the total depth of the tank.

Length or L means the distance in meters from the fore side of the stem to the axis of the rudder stock on a waterline at 85 percent of the least molded depth measured from the molded baseline, or 96 percent of the total length on that waterline, whichever is greater. In vessels designed with drag, the waterline is measured parallel to the designed waterline.

Lightweight means the displacement of a vessel in metric tons without cargo, fuel oil, lubricating oil, ballast water, fresh water, and feedwater in tanks, consumable stores, and any persons and their effects.

Major conversion means a conversion of an existing vessel that:

(1) Substantially alters the dimensions or carrying capacity of the vessel, except a conversion that includes only the installation of segregated ballast tanks, dedicated clean ballast tanks, a crude oil washing system, double sides, a double bottom, or a double hull;

(2) Changes the type of vessel;

(3) Substantially prolongs the vessel's service life; or

(4) Otherwise so changes the vessel that it is essentially a new vessel, as determined by the Commandant (G-MOC).

MARPOL 73/78 means the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating to that Convention. A copy of MARPOL 73/78 is available from the International Maritime Organization, 4 Albert Embankment, London, SE1, 7SR, England.

New vessel means:

(1) A U.S. vessel in domestic trade that:

(i) Is constructed under a contract awarded after December 31, 1974;

(ii) In the absence of a building contract, has the keel laid or is at a similar stage of construction after June 30, 1975;

(iii) Is delivered after December 31, 1977; or

(iv) Has undergone a major conversion for which:

(A) The contract is awarded after December 31,

COAST PILOT 2 (Continued)

1974;

(B) In the absence of a contract, conversion is begun after June 30, 1975; or

(C) Conversion is completed after December 31, 1977; and

(2) A foreign vessel or a U.S. vessel in foreign trade that;

(i) Is constructed under a contract awarded after December 31, 1975;

(ii) In the absence of a building contract, has the keel laid or is at a similar stage of construction after June 30, 1976;

(iii) Is delivered after December 31, 1979; or

(iv) Has undergone a major conversion for which:

(A) The contract is awarded after December 31, 1975;

(B) In the absence of a contract, conversion is begun after June 30, 1976; or

(C) Conversion is completed after December 31, 1979.

Non-petroleum oil means oil of any kind that is not petroleum-based. It includes, but is not limited to, animal fat and vegetable oil.

Oceangoing has the same meaning as defined in §151.05 of this chapter.

Officer in charge of a navigational watch means any officer employed or engaged to be responsible for navigating or maneuvering the vessel and for maintaining a continuous vigilant watch during his or her periods of duty and following guidance set out by the master, international or national regulations, and company policies.

Oil means oil of any kind or in any form including, but not limited to, petroleum, fuel oil, sludge, oil refuse, and oil mixed with wastes other than dredged spoil. This includes liquid hydrocarbons as well as animal and vegetable oils.

Oil cargo residue means any residue of oil cargo whether in solid, semi-solid, emulsified, or liquid form from cargo tanks and cargo pump room bilges, including but not limited to, drainages, leakages, exhausted oil, muck, clingage, sludge, bottoms, paraffin (wax), and any constituent component of oil. The term "oil cargo residue" is also known as "cargo oil residue."

Oily mixture means a mixture, in any form, with any oil content. "Oily mixture" includes, but is not limited to—

(1) Slops from bilges;

(2) Slops from oil cargoes (such as cargo tank washings, oily waste, and oily refuse);

(3) Oil residue; and

(4) Oily ballast water from cargo or fuel oil tanks, including any oil cargo residue.

Oil residue means—

(1) Oil cargo residue; and

(2) Other residue of oil whether in solid, semi-solid, emulsified, or liquid form resulting from drainages, leakages, exhausted oil and other similar occurrences from machinery spaces.

Oil spill response vessel means a vessel that is exclusively dedicated to operations to prevent or mitigate environmental damage due to an actual or impending accidental oil spill. This includes a vessel that performs routine service as

an escort for a tank vessel, but excludes a vessel that engages in any other commercial activity, such as the carriage of any type of cargo.

Oil tanker means a vessel that is constructed or adapted primarily to carry crude oil or products in bulk as cargo. This includes a tank barge, a tankship, and a combination carrier, as well as a vessel that is constructed or adapted primarily to carry noxious liquid substances in bulk as cargo and which also carries crude oil or products in bulk as cargo.

Other non-petroleum oil means an oil of any kind that is not petroleum oil, an animal fat, or a vegetable oil.

Permeability of a space means the ratio of volume within a space that is assumed to be occupied by water to the total volume of that space.

Petroleum oil means petroleum in any form, including but not limited to, crude oil, fuel oil, sludge, oil residue, and refined products.

Primary towing vessel means any vessel engaged in towing astern, alongside, or pushing ahead and includes the tug in an integrated tug barge. It does not include fleeting or assist towing vessels.

Product means any liquid hydrocarbon mixture in any form, except crude oil, petrochemicals, and liquefied gases.

Segregated ballast means the ballast water introduced into a tank that is completely separated from the cargo oil and fuel oil system and that is permanently allocated to the carriage of ballast.

Slop tank means a tank specifically designated for the collection of cargo drainings, washings, and other oily mixtures.

Tank means an enclosed space that is formed by the permanent structure of a vessel, and designed for the carriage of liquid in bulk.

Tank barge means a tank vessel not equipped with a means of self-propulsion.

Tank vessel means a vessel that is constructed or adapted primarily to carry, or that carries, oil or hazardous material in bulk as cargo or cargo residue, and that—

(1) Is a vessel of the United States;

(2) Operates on the navigable waters of the United States; or

(3) Transfers oil or hazardous material in a port or place subject to the jurisdiction of the United States. This does not include an offshore supply vessel, or a fishing vessel or fish tender vessel of not more than 750 gross tons when engaged only in the fishing industry.

Tankship means a tank vessel propelled by mechanical power or sail.

Vegetable oil means a non-petroleum oil or fat not specifically identified elsewhere in this part that is derived from plant seeds, nuts, kernels, or fruits.

Wing tank means a tank that is located adjacent to the side shell plating.

§157.04 Authorization of classification societies.

(a) The Coast Guard may authorize any classification society (CS) to perform certain plan reviews, certifications, and inspections required by this part on vessels classed by that CS except that only U.S. classification societies may be authorized to perform those plan reviews, inspections, and certifications for U.S. vessels.

COAST PILOT 2 (Continued)

(b) If a CS desires authorization to perform the plan reviews, certifications, and inspections required under this part, it must submit to the Commandant (G-MOC), U.S. Coast Guard, Washington, DC 20593-0001, evidence from the governments concerned showing that they have authorized the CS to inspect and certify vessels on their behalf under the MARPOL 73/78.

(c) The Coast Guard notifies the CS in writing whether or not it is accepted as an authorized CS. If authorization is refused, reasons for the refusal are included.

(d) Acceptance as an authorized CS terminates unless the following are met:

(1) The authorized CS must have each Coast Guard regulation that is applicable to foreign vessels on the navigable waters of the United States.

(2) Each issue concerning equivalents to the regulations in this part must be referred to the Coast Guard for determination.

(3) Copies of any plans, calculations, records of inspections, or other documents relating to any plan review, inspection, or certification performed to meet this part must be made available to the Coast Guard.

(4) Each document certified under §§157.116(a)(2), 157.118(b)(1)(ii), and 157.216(b)(1)(11) must be marked with the name or seal of the authorized CS.

(5) A copy of the final documentation that is issued to each vessel that is certified under this part must be referred to the Commandant (G-MOC), U.S. Coast Guard, Washington, D.C. 20593-0001.

Subpart B—Design, Equipment, and Installation**§157.08 Applicability of Subpart B.**

NOTE: An “oil tanker” as defined in §157.03 includes barges as well as self-propelled vessels.

(a) Sections 157.10d and 157.11(g) apply to each vessel to which this part applies.

(b) Sections 157.11 (a) through (f), 157.12, 157.15, 157.19(b)(3), 157.33, and 157.37 apply to each vessel to which this part applies that carries 200 cubic meters or more of crude oil or products in bulk as cargo, as well as to each oceangoing oil tanker to which this part applies of 150 gross tons or more. These sections do not apply to a foreign vessel which remains beyond the navigable waters of the United States and does not transfer oil cargo at a port or place subject to the jurisdiction of the United States.

(c) Section 157.21 applies to each oil tanker to which this part applies of 150 gross tons or more that is oceangoing or that operates on the Great Lakes. This section does not apply to a foreign vessel which remains beyond the navigable waters of the United States and does not transfer oil cargo at a port or place subject to the jurisdiction of the United States.

(d) Sections in subpart B of 33 CFR part 157 that are not specified in paragraphs (a) through (c) of this section apply to each oceangoing oil tanker to which this part applies of 150 gross tons or more, unless otherwise indicated in paragraphs (e) through (m) of this section. These sections do not apply to a foreign vessel which remains beyond the navigable waters of the United States and does not transfer oil cargo at a port or place subject to the jurisdiction of the

United States.

(e) Sections 157.11 (a) through (f), 157.12, and 157.15 do not apply to a vessel, except an oil tanker, that carries less than 1,000 cubic meters of crude oil or products in bulk as cargo and which retains oil mixtures on board and discharges them to a reception facility.

(f) Sections 157.11 (a) through (f), 157.12, 157.13, and 157.15 do not apply to a tank vessel that carries only asphalt, carbon black feedstock, or other products with similar physical properties, such as specific gravity and cohesive and adhesive characteristics, that inhibit effective product/water separation and monitoring.

(g) Sections 157.11 (a) through (f), 157.12, 157.13, 157.15, and 157.23 do not apply to a tank barge that cannot ballast cargo tanks or wash cargo tanks while underway.

(h) Sections 157.19 and 157.21 do not apply to a tank barge that is certificated by the Coast Guard for limited short protected coastwise routes if the barge is otherwise constructed and certificated for service exclusively on inland routes.

(i) Section 157.09(d) does not apply to any:

(1) U.S. vessel in domestic trade that is constructed under a contract awarded before January 8, 1976;

(2) U.S. vessel in foreign trade that is constructed under a contract awarded before April 1, 1977; or

(3) Foreign vessel that is constructed under a contract awarded before April 1, 1977.

(j) Sections 157.09 and 157.10a do not apply to a new vessel that:

(1) Is constructed under a building contract awarded after June 1, 1979;

(2) In the absence of a building contract, has the keel laid or is at a similar stage of construction after January 1, 1980;

(3) Is delivered after June 1, 1982; or

(4) Has undergone a major conversion for which:

(i) The contract is awarded after June 1, 1979;

(ii) In the absence of a contract, conversion is begun after January 1, 1980; or

(iii) Conversion is completed after June 1, 1982.

(k) Sections 157.09(b)(3), 157.10(c)(3), 157.10a(d)(3), and 157.10b(b)(3) do not apply to tank barges.

(1) Section 157.10b does not apply to tank barges if they do not carry ballast while they are engaged in trade involving the transfer of crude oil from an offshore oil exploitation or production facility on the Outer Continental Shelf of the United States.

(m) Section 157.12 does not apply to a U.S. vessel that:

(1) Is granted an exemption under Subpart F of this part; or

(2) Is engaged solely in voyages that are:

(i) Between ports or places within the United States, its territories or possessions;

(ii) Of less than 72 hours in length; and

(iii) At all times within 50 nautical miles of the nearest land.

(n) Section 157.10d does not apply to:

(1) A vessel that operates exclusively beyond the navigable waters of the United States and the United States Exclusive Economic Zone, as defined in 33 U.S.C.

COAST PILOT 2 (Continued)

2701(8);

(2) An oil spill response vessel;

(3) Before January 1, 2015—

(i) A vessel unloading oil in bulk as cargo at a deep-water port licensed under the Deepwater Port Act of 1974 (33 U.S.C. 1501 et seq.); or

(ii) A delivering vessel that is offloading oil in bulk as cargo in lightering activities—

(A) Within a lightering zone established under 46 U.S.C. 3715(b)(5); and

(B) More than 60 miles from the territorial sea base line, as defined in 33 CFR 2.05-10.

(4) A vessel documented under 46 U.S.C., Chapter 121, that was equipped with a double hull before August 12, 1992;

(5) A barge of less than 1,500 gross tons as measured under 46 U.S.C., Chapter 145, carrying refined petroleum in bulk as cargo in or adjacent to waters of the Bering Sea, Chukchi Sea, and Arctic Ocean and waters tributary thereto and in the waters of the Aleutian Islands and the Alaskan Peninsula west of 155 degrees west longitude; or

(6) A vessel in the National Defense Reserve Fleet pursuant to 50 App. U.S.C. 1744.

§157.10d Double hulls on tank vessels.

(a) With the exceptions stated in §157.08(n), this section applies to a tank vessel—

(1) For which the building contract is awarded after June 30, 1990; or

(2) That is delivered after December 31, 1993;

(3) That undergoes a major conversion for which;

(i) The contract is awarded after June 30, 1990; or

(ii) Conversion is completed after December 31, 1993; or

(4) That is otherwise required to have a double hull by 46 U.S.C. 3703a(c).

NOTE: 46 U.S.C. 3703a(c) is shown in appendix G to this part.

(b) Each vessel to which this section applies must be fitted with:

(1) A double hull in accordance with this section; and

(2) If §157.10 applies, segregated ballast tanks and a crude oil washing system in accordance with that section.

(c) Except on a vessel to which §157.10d(d) applies, tanks within the cargo tank length that carry any oil must be protected by double sides and a double bottom as follows:

(1) Double sides must extend for the full depth of the vessel's side or from the uppermost deck, disregarding a rounded gunwale where fitted, to the top of the double bottom. At any cross section, the molded width of the double side, measured at right angles to the side shell plating, from the side of tanks containing oil to the side shell plating, must not be less than the distance w as shown in Figure 157.10d(c) and specified as follows:

(i) For a vessel of 5,000 DWT and above:

$w = [0.5 + (DWT/20,000)]$ meters; or, $w = 2.0$ meters (79 in.), whichever is less, but in no case less than 1.0 meter (39 in.).

(ii) For a vessel of less than 5,000 DWT:

$w = [0.4 + (2.4)(DWT/20,000)]$ meters, but in no case

less than 0.76 meter (30 in.).

(iii) For a vessel to which Paragraph (a)(4) of this section applies: $w = 0.76$ meter (30 in.), provided that the double side was fitted under a construction or conversion contract awarded prior to June 30, 1990.

(2) At any cross section, the molded depth of the double bottom, measured at right angles to the bottom shell plating, from the bottom of tanks containing oil to the bottom shell plating, must not be less than the distance h as shown in Figure 157.10d(c) and specified as follows:

(i) For a vessel of 5,000 DWT and above: $h = B/15$; or, $h = 2.0$ meters (79 in.), whichever is less, but in no case less than 1.0 meter (39 in.).

(ii) For a vessel of less than 5,000 DWT: $h = B/15$, but in no case less than 0.76 meter (30 in.).

(iii) For a vessel to which Paragraph (a)(4) of this section applies: $h = B/15$; or, $h = 2.0$ meters (79 in.), whichever is the lesser, but in no case less than 0.76 meter (30 in.), provided that the double bottom was fitted under a construction or conversion contract awarded prior to June 30, 1990.

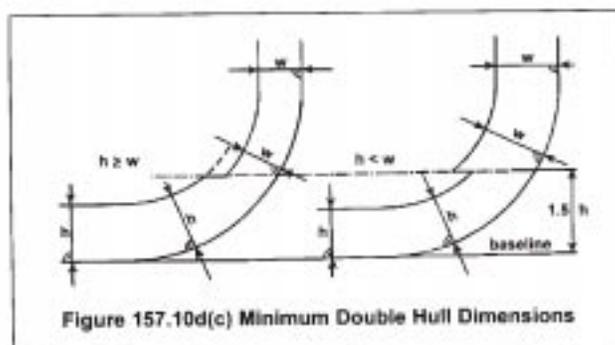


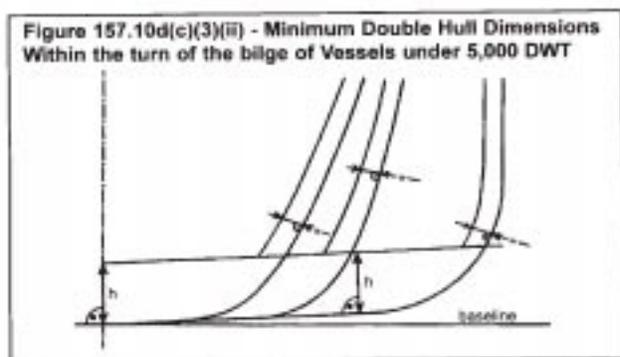
Figure 157.10d(c) Minimum Double Hull Dimensions

(3) For a vessel built under a contract awarded after September 11, 1992, within the turn of the bilge or at cross sections where the turn of the bilge is not clearly defined, tanks containing oil must be located inboard of the outer shell—

(i) For a vessel of 5,000 DWT and above: At levels up to $1.5h$ above the base line, not less than the distance h , as shown in Figure 157.10d(c) and specified in Paragraph (c)(2) of this section. At levels greater than $1.5h$ above the base line, not less than the distance w , as shown in Figure 157.10d(c) and specified in Paragraph (c)(1) of this section.

(ii) For a vessel of less than 5,000 DWT: Not less the distance h above the line of the mid-ship flat bottom, as shown in Figure 157.10d(c)(3)(ii) and specified in Paragraph (c)(2) of this section. At levels greater than h above the line of the mid-ship flat bottom, not less than the distance w , as shown in Figure 157.10d(c)(3)(ii) and specified in Paragraph (c)(1) of this section.

COAST PILOT 2 (Continued)



(4) For a vessel to which §157.10(b) applies that is built under a contract awarded after September 11, 1992.

(i) The aggregate volume of the double sides, double bottom, forepeak tanks, and afterpeak tanks must not be less than the capacity of segregated ballast tanks required under §157.10(b). Segregated ballast tanks that may be provided in addition to those required under §157.10(b) may be located anywhere within the vessel.

(ii) Double side and double bottom tanks used to meet the requirements of §157.10(b) must be located as uniformly as practicable along the cargo tank length. Large inboard extensions of individual double side and double bottom tanks, which result in a reduction of overall side or bottom protection, must be avoided.

(d) A vessel of less than 10,000 DWT that is constructed and certificated for service exclusively on inland or limited short protected coastwise routes must be fitted with double sides and a double bottom as follows:

(1) A minimum of 61 cm. (2 ft.) from the inboard side of the side shell plate, extending the full depth of the side or from the main deck to the top of the double bottom, measured at right angles to the side shell; and

(2) A minimum of 61 cm. (2 ft.) from the top of the bottom shell plating, along the full breadth of the vessel's bottom, measured at right angles to the bottom shell.

(3) For a vessel to which Paragraph (a)(4) of this section applies, the width of the double sides and the depth of the double bottom may be 38 cm. (15 in.), in lieu of the dimensions specified in paragraphs (d)(1) and (d)(2) of this section, provided that the double side and double bottom tanks were fitted under a construction or conversion contract awarded prior to June 30, 1990.

(4) For a vessel built under a contract awarded after September 11, 1992, a minimum 46 cm. (18 in.) clearance for passage between framing must be maintained throughout the double sides and double bottom.

(e) Except as provided in Paragraph (e)(3) of this section, a vessel must not carry any oil in any tank extending forward of:

(1) The collision bulkhead; or

(2) In the absence of a collision bulk-head, the transverse plane perpendicular to the centerline through a point located:

(i) The lesser of 10 meters (32.8 ft.) or 5 percent of the vessel length, but in no case less than 1 meter (39 in.), aft of the forward perpendicular;

(ii) On a vessel of less than 10,000 DWT tons that is constructed and certificated for service exclusively on inland or limited short protected coastwise routes, the lesser of 7.62 meters (25 ft.) or 5 percent of the vessel length, but in no case less than 61 cm. (2 ft.), aft of the headlog or stem at the freeboard deck; or

(iii) On each vessel which operates exclusively as a box or trail barge, 61 cm. (2 ft.) aft of the headlog.

(3) This Paragraph does not apply to independent fuel oil tanks that must be located on or above the main deck within the areas described in paragraphs (e)(1) and (e)(2) of this section to serve adjacent deck equipment that cannot be located further aft. Such tanks must be as small and as far aft as is practicable.

(f) On each vessel, the cargo tank length must not extend aft to any point closer to the stern than the distance equal to the required width of the double side, as prescribed in §157.10d(c)(1) or §157.10d(d)(1).

Subpart G—Interim Measures for Certain Tank Vessels Without Double Hulls Carrying Petroleum Oils

§157.400 Purpose and applicability.

(a) The purpose of this subpart is to establish mandatory safety and operational requirements to reduce environmental damage resulting from petroleum oil spills.

(b) This subpart applies to each tank vessels specified in §157.01 of this part that—

(1) Is 5,000 gross tons or more;

(2) Carries petroleum oil in bulk as cargo or oil cargo residue; and

(3) Is not equipped with a double hull meeting §157.10d of this part, or an equivalent to the requirements of §157.10d, but required to be equipped with a double hull at a date set forth in 46 U.S.C. 3703a (b)(3) and (c)(3).

§157.445 Maneuvering performance capability.

(a) A tankship owner or operator shall ensure that maneuvering tests in accordance with IMO Resolution A.751(18), sections 1.2, 2.3-2.4, 3-4.2, and 5 (with Explanatory Notes in MSC/Circ. 644) have been conducted by July 29, 1997. Completion of maneuvering performance tests must be shown by—

(1) For a foreign flag tankship, a letter from the flag administration or an authorized classification society, as described in §157.04 of this part, stating the requirements in Paragraph (a) of this section have been met; or

(2) For a U.S. flag tankship, results from the vessel owner confirming the completion of the tests or a letter from an authorized classification society, as described in §157.04 of this part, stating the requirements in Paragraph (a) of this section have been met.

(b) If a tankship undergoes a major conversion or alteration affecting the control systems, control surfaces, propulsion system, or other areas which may be expected to alter maneuvering performance, the tankship owner or operator shall ensure that new maneuvering tests are conducted as required by Paragraph (a) of this section.

(c) If a tankship is one of a class of vessels with identical propulsion, steering, hydrodynamic, and other relevant

COAST PILOT 2 (Continued)

design characteristics, maneuvering performance test results for any tankship in the class may be used to satisfy the requirements of Paragraph (a) of this section.

(d) The tankship owner or operator shall ensure that the performance test results, recorded in the format of Appendix 6 of the Explanatory Notes in MSC/Circ. 644., are prominently displayed in the wheelhouse.

(e) Prior to entering the port or place of destination and prior to getting underway, the tankship master shall discuss the results of the performance tests with the pilot while reviewing the anticipated transit and the possible impact of the tankship's maneuvering capability on the transit.

(33 CFR 157)

11/03

Restricted and Danger Areas with Associated Airspace—New South Wales Warnings are promulgated by Notices to Airmen (NOTAM) originated by the RAN and RAAF.					
Area	Name	Nature of Activity	Times of Use	Area limits are bound by lines joining positions stated, unless otherwise indicated.	Chartlet No.
YMMM/R485	Tasman Sea	Military flying training	NOTAM	R485D a. 34°30'53"S, 152°24'28"E. then the minor arc of a circle 70 NM in radius centered on Sydney DME (33°56'34"S, 151°10'51"E), to b. 34°06'00"S, 152°34'17"E. c. 34°06'00"S, 153°34'46"E. then the minor arc of a circle 120 NM in radius centered on Sydney DME to d. 34°50'59"S, 153°20'09"E.	1
			NOTAM	R485E a. 34°30'00"S, 151°51'35"E. b. 34°20'29"S, 151°56'14"E. c. 34°50'59"S, 153°20'09"E. then the minor arc of a circle 120 NM in radius centered on Sydney DME (33°56'34"S, 151°10'51"E), to d. 35°19'20"S, 152°56'18"E.	1
YBBB/R489	Tasman Sea	Firing, bombing, radar tracking	NOTAM	a. 33°38'02"S, 151°51'02"E. b. 33°26'06"S, 152°00'27"E. c. 33°25'47"S, 152°22'03"E. d. 33°44'42"S, 152°22'04"E. e. 33°47'23"S, 151°51'02"E.	2
YMMM/R495	Tasman Sea	Firing, bombing, radar tracking	NOTAM	R495A a. 34°43'56"S, 151°00'00"E. b. 34°40'30"S, 151°03'00"E. c. 34°30'00"S, 151°08'07"E. d. 34°30'00"S, 151°30'00"E. e. 34°57'02"S, 151°30'18"E. f. 34°57'24"S, 150°59'58"E. then the minor arc of a circle 23 NM in radius centered on Nowra Tacan (34°57'00"S, 150°32'00"E), to g. 34°56'07"S, 150°59'57"E.	1
			NOTAM	R495B a. 34°30'00"S, 151°30'00"E. b. 34°30'00"S, 151°51'35"E. c. 34°36'30"S, 151°59'59"E. d. 34°56'32"S, 151°59'35"E. e. 34°57'02"S, 151°30'18"E.	1
			NOTAM	R495C a. 34°56'32"S, 151°59'35"E. b. 34°36'30"S, 151°59'59"E. c. 34°56'01"S, 152°25'27"E.	1

Restricted and Danger Areas with Associated Airspace—New South Wales					
Warnings are promulgated by Notices to Airmen (NOTAM) originated by the RAN and RAAF.					
Area	Name	Nature of Activity	Times of Use	Area limits are bound by lines joining positions stated, unless otherwise indicated.	Chartlet No.
YBBB/R595	Williamtown	Military intercept training	H24	a. 32°00'00"S, 152°45'52"E. b. 31°00'21"S, 152°16'04"E. c. 30°27'34"S, 152°32'21"E. d. 31°01'44"S, 152°18'14"E. e. 32°33'37"S, 154°47'57"E. f. 33°51'30"S, 154°01'56"E. g. 33°51'30"S, 152°07'57"E. h. 33°32'50"S, 151°58'52"E. i. 33°12'21"S, 151°56'02"E. then the minor arc of a circle 25 NM in radius centered on Williamtown Tacan (32°47'49"S, 151°50'00"E); to j. 32°44'36"S, 152°19'24"E. k. 32°25'00"S, 152°33'00"E.	2
YBBB/R596	Williamtown	Firing	H24	a. 32°42'00"S, 152°45'00"E. b. 32°46'30"S, 152°16'00"E. c. 32°49'00"S, 151°32'00"E. d. 32°46'00"S, 151°18'00"E. e. 32°39'30"S, 151°47'00"E. f. 32°39'30"S, 151°01'45"E.	2
YBBB/R609	Evans Head	Firing	NOTAM	29°14'00"S, 153°24'00"E; then the major arc of a circle 3 NM in radius centered on 29°11'00"S, 153°24'00"E; to 29°10'13"S, 153°27'19"E.	2
YBBB/R641	Evans Head	Firing	H24	R641A a. 28°57'00"S, 153°27'30"E. b. 28°56'21"S, 153°31'28"E. then along the coast to 29°06'55"S, 153°26'11"E; then along the N bank of the Evans River and the Richmond River to 29°01'20"S, 153°17'00"E.	2
			H24	R641B a. 29°15'00"S, 153°03'30"E. b. 29°06'00"S, 153°05'40"E. c. 29°01'20"S, 153°17'00"E. then along the N bank of the Evans River and the Richmond River to 29°06'55"S, 153°26'11"E; then along the coast to 29°26'28"S, 153°22'12"E.	2
			H24	R641C a. 29°15'00"S, 153°03'30"E. b. 29°06'00"S, 153°05'40"E. c. 28°57'00"S, 153°27'30"E. d. 28°56'21"S, 153°31'28"E. then along the coast to 29°26'28"S, 153°22'12"E.	2

Restricted and Danger Areas with Associated Airspace—New South Wales					
Warnings are promulgated by Notices to Airmen (NOTAM) originated by the RAN and RAAF.					
Area	Name	Nature of Activity	Times of Use	Area limits are bound by lines joining positions stated, unless otherwise indicated.	Chartlet No.
YBBB/R641	Evans Head	Firing	NOTAM	R641D a. 29°15'00"S, 153°03'30"E. b. 29°06'00"S, 153°05'40"E. c. 28°57'00"S, 153°27'30"E. d. 28°56'21"S, 153°31'28"E. then along the coast to 29°26'28"S, 153°22'12"E.	2
			H24	R641E —28°52'13"S, 153°49'39"E; then the minor arc of a circle 30 NM in radius centered on 29°11'51"S, 153°23'44"E; to 29°41'39"S, 153°19'07"E; then along the coast to 28°56'21"S, 153°31'28"E.	2
			H24	R641F —28°52'13"S, 153°49'39"E; then the minor arc of a circle 30 NM in radius centered on 29°11'51"S, 153°23'44"E; to 29°41'39"S, 153°19'07"E; then along the coast to 28°56'21"S, 153°31'28"E.	2
			NOTAM	R641G —28°52'13"S, 153°49'39"E; then the minor arc of a circle 30 NM in radius centered on 29°11'51"S, 153°23'44"E; to 29°41'39"S, 153°19'07"E; then along the coast to 28°56'21"S, 153°31'28"E.	2

Restricted and Danger Areas with Associated Airspace—Queensland					
Warnings are promulgated by Notices to Airmen (NOTAM) originated by the RAN and RAAF.					
Area	Name	Nature of Activity	Times of Use	Area limits are bound by lines joining positions stated, unless otherwise indicated.	Chartlet No.
YBBB/R665	Wide Bay	Firing	NOTAM	R665A a. 25°48'30"S, 152°56'15"E. b. 25°48'47"S, 152°58'00"E. c. 25°49'53"S, 152°58'12"E. d. 25°56'30"S, 152°58'12"E. then along Tin Can Bay Road to e. 25°57'34"S, 152°54'06"E. then along Maryborough Cooloola Road to f. 25°49'35"S 152°51'42"E.	3
			NOTAM	R665B a. 25°48'30"S, 152°56'15"E. b. 25°48'47"S, 152°58'00"E. c. 25°49'53"S, 152°58'12"E. d. 25°56'30"S, 152°58'12"E. then along Tin Can Bay Road to e. 25°57'34"S, 152°54'06"E. then along Maryborough Cooloola Road to f. 25°49'35"S 152°51'42"E.	3
			NOTAM	R665C a. 25°48'30"S, 152°56'15"E. b. 25°48'47"S, 152°58'00"E. c. 25°49'53"S, 152°58'12"E. d. 25°56'30"S, 152°58'12"E. then along Tin Can Bay Road to e. 25°57'34"S, 152°54'06"E. then along Maryborough Cooloola Road to f. 25°49'35"S 152°51'42"E.	3
YBBB/R676	Cape Moreton	Firing	NOTAM	a. 26°57'00"S, 153°25'00"E. b. 26°48'00"S, 153°30'00"E. c. 26°52'00"S, 153°40'00"E. d. 27°01'00"S, 153°36'00"E.	3
YBBB/R677	Brisbane	Military flying and laser operations	H24	R677A a. 27°20'00"S, 154°00'00"E. b. 25°45'00"S, 154°00'00"E. c. 25°45'00"S, 155°16'16"E. then along the minor arc of a circle 150 NM radius centered on Brisbane DME (27°21'57"S, 153°08'21"E) to d. 27°20'00"S, 155°56'48"E.	3

Restricted and Danger Areas with Associated Airspace—Queensland					
Warnings are promulgated by Notices to Airmen (NOTAM) originated by the RAN and RAAF.					
Area	Name	Nature of Activity	Times of Use	Area limits are bound by lines joining positions stated, unless otherwise indicated.	Chartlet No.
YBBB/R677	Brisbane	Military flying and laser operations	H24	R677B a. 28°45'03"S, 154°00'00"E. b. 27°20'00"S, 154°00'00"E. c. 27°20'00"S, 155°56'48"E. then along the minor arc of a circle 150 NM radius centered on Brisbane DME (27°21'57"S, 153°08'21"E) to d. 29°05'00"S, 155°12'04"E. e. 29°05'00"S, 155°10'23"E.	3
YBBB/R680	Akens Island	Firing	NOTAM	a. 22°17'00"S, 150°12'00"E. b. 22°15'00"S, 150°20'00"E. c. 22°12'34"S, 150°25'27"E. d. 22°15'06"S, 150°23'42"E. e. 22°17'54"S, 150°23'12"E. f. 22°23'42"S, 150°26'12"E. g. 22°30'30"S, 150°27'00"E. then N along the coast, to h. 22°19'00"S, 150°10'46"E.	4
YBBB/R682	Townshend Island	Firing	NOTAM	a. 22°17'54"S, 150°23'12"E. b. 22°15'06"S, 150°23'42"E. c. 22°06'00"S, 150°30'00"E. d. 22°06'00"S, 150°45'00"E. e. 22°19'00"S, 150°49'00"E. f. 22°19'00"S, 150°33'00"E. g. 22°25'56"S, 150°26'28"E. h. 22°23'42"S, 150°26'12"E.	4
YBBB/R683	Cape Clinton	Firing	NOTAM	a. 22°30'30"S, 150°27'00"E. b. 22°25'56"S, 150°26'28"E. c. 22°19'00"S, 150°33'00"E. d. 22°19'00"S, 150°49'00"E. e. 22°41'19"S, 150°50'31"E.	4
YBBB/R684	Mount Hummock	Firing	H24	R684A a. 22°55'00"S, 150°27'00"E. b. 22°30'30"S, 150°27'00"E. c. 22°41'19"S, 150°50'31"E. d. 22°49'22"S, 150°47'07"E. e. 22°47'57"S, 150°37'21"E. f. 22°54'00"S, 150°36'00"E.	4
			NOTAM	R684B a. 22°55'00"S, 150°27'00"E. b. 22°30'30"S, 150°27'00"E. c. 22°41'19"S, 150°50'31"E. d. 22°49'22"S, 150°47'07"E. e. 22°47'57"S, 150°37'21"E. f. 22°54'00"S, 150°36'00"E.	4

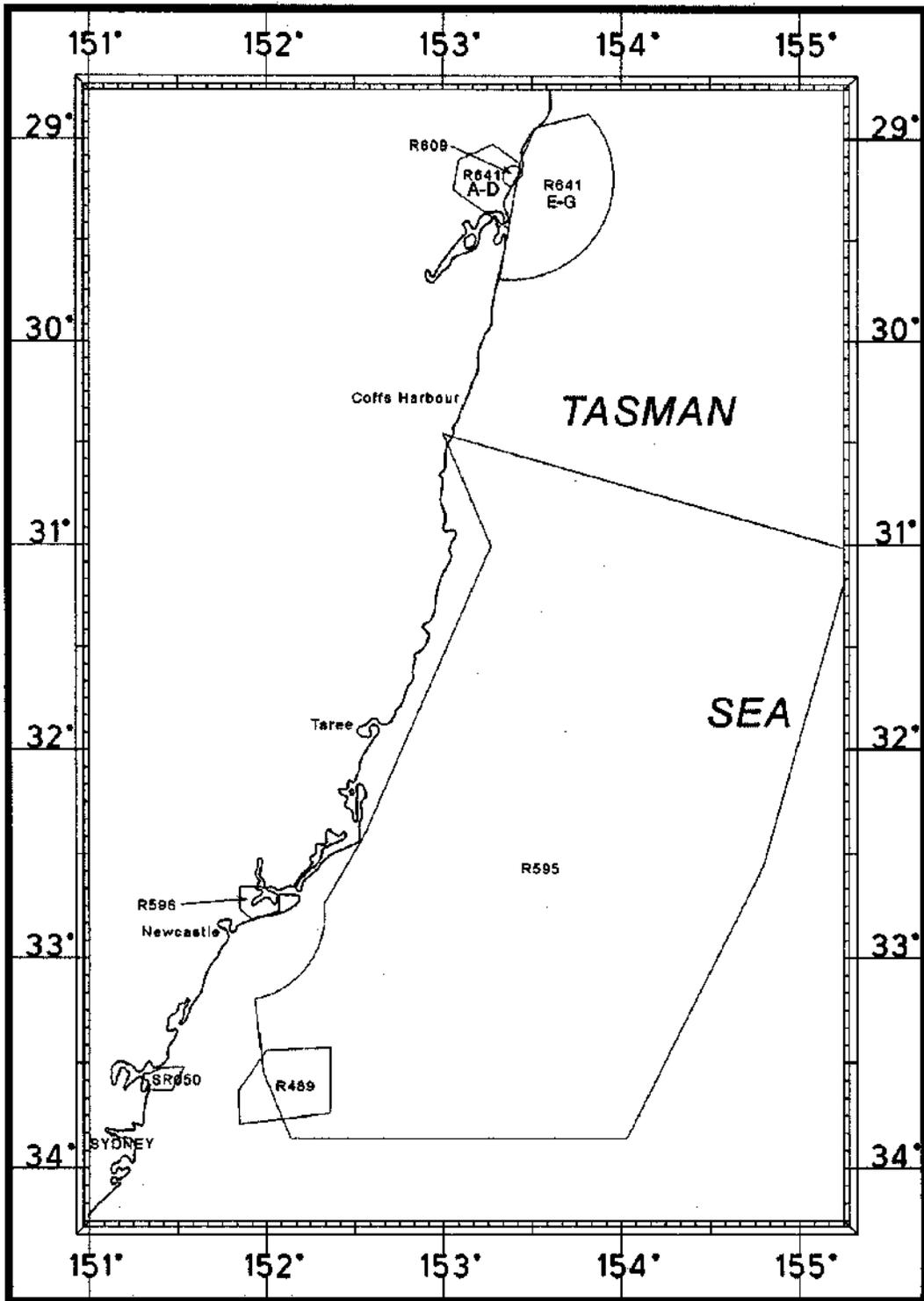
Restricted and Danger Areas with Associated Airspace—Queensland					
Warnings are promulgated by Notices to Airmen (NOTAM) originated by the RAN and RAAF.					
Area	Name	Nature of Activity	Times of Use	Area limits are bound by lines joining positions stated, unless otherwise indicated.	Chartlet No.
YBBB/R686	Triangular Island	Explosives demolition	NOTAM	A circle 3 NM in radius centered on 22°23'00"S, 150°30'30"E.	4
YBBB/R687	Raspberry Creek	Firing	H24	R687A a. 22°52'05"S, 150°16'31"E. b. 22°27'04"S, 150°05'46"E. c. 22°19'00"S, 150°10'46"E. then SE along the coast, to d. 22°30'30"S, 150°27'00"E. e. 22°55'00"S, 150°27'00"E.	4
			NOTAM	R687B a. 22°52'05"S, 150°16'31"E. b. 22°27'04"S, 150°05'46"E. c. 22°19'00"S, 150°10'46"E. then SE along the coast, to d. 22°30'30"S, 150°27'00"E. e. 22°55'00"S, 150°27'00"E.	4
YBBB/R689	Shoalwater Bay	Firing	NOTAM	a. 22°27'04"S, 150°05'46"E. b. 22°15'09"S, 150°00'40"E. then the major arc of a circle 30 NM in radius centered on 22°16'00"S., 150°33'00"E. c. 22°41'19"S, 150°50'31"E. d. 22°19'00"S, 150°49'00"E. e. 22°06'00"S, 150°45'00"E. f. 22°06'00"S, 150°30'00"E. g. 22°12'34"S, 150°25'27"E. h. 22°15'00"S, 150°20'00"E. i. 22°17'00"S, 150°12'00"E.	4
YBBB/R693	Elliott	Firing	NOTAM	a. 24°24'00"S, 152°08'00"E. b. 24°11'00"S, 152°31'00"E. c. 24°28'00"S, 152°58'00"E. d. 24°41'00"S, 152°34'00"E.	3
YBBB/R695	Herbert Creek	Firing	H24	R695A a. 22°38'00"S, 150°05'30"E. b. 22°27'30"S, 150°05'30"E. c. 22°27'04"S, 150°05'46"E. d. 22°52'05"S, 150°16'31"E. e. 22°51'30"S, 150°13'30"E. f. 22°44'30"S, 150°08'30"E.	4

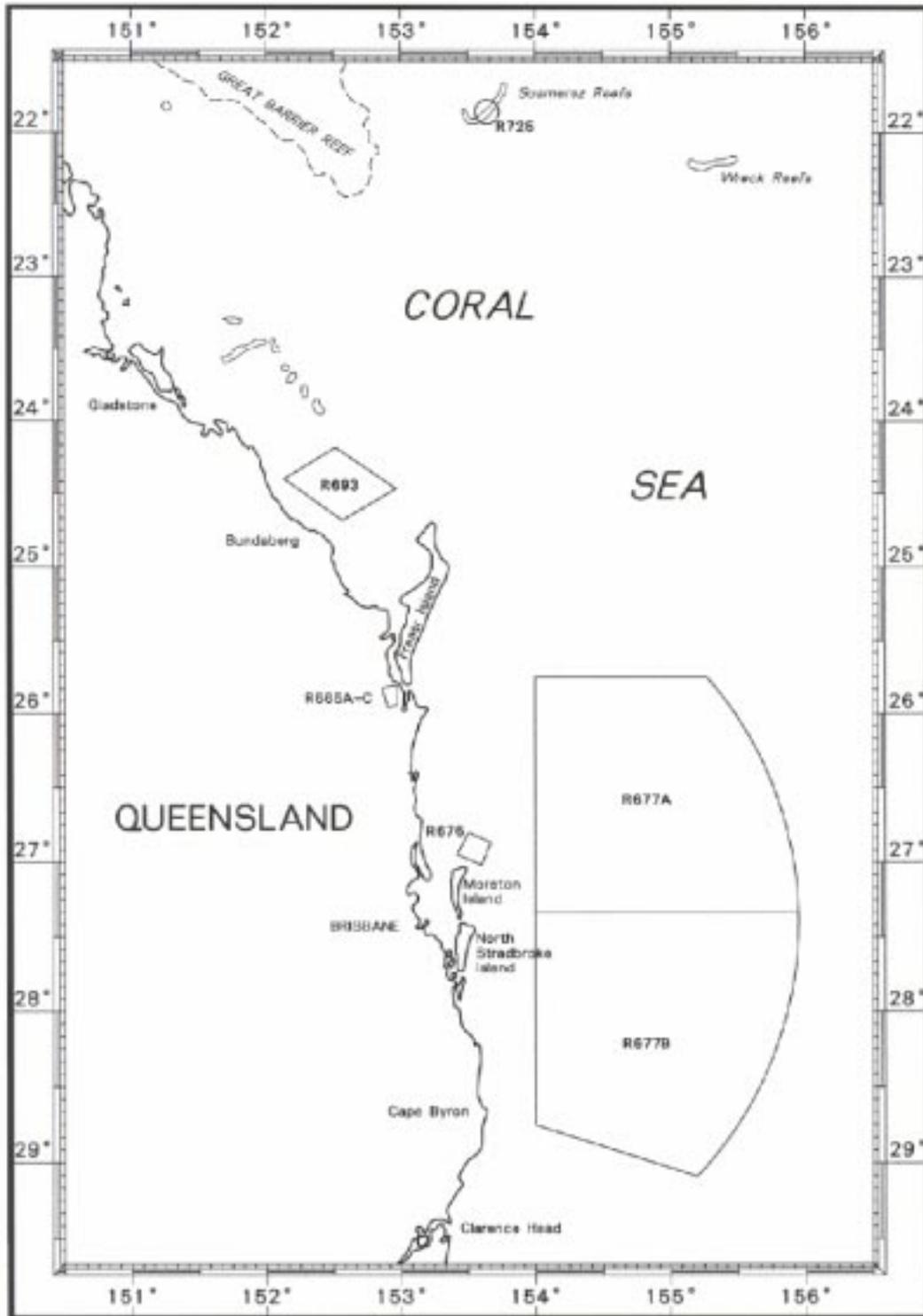
Restricted and Danger Areas with Associated Airspace—Queensland					
Warnings are promulgated by Notices to Airmen (NOTAM) originated by the RAN and RAAF.					
Area	Name	Nature of Activity	Times of Use	Area limits are bound by lines joining positions stated, unless otherwise indicated.	Chartlet No.
YBBB/R695	Herbert Creek	Firing	NOTAM	R695B a. 22°38'00"S, 150°05'30"E. b. 22°27'30"S, 150°05'30"E. c. 22°27'04"S, 150°05'46"E. d. 22°52'05"S, 150°16'31"E. e. 22°51'30"S, 150°13'30"E. f. 22°44'30"S, 150°08'30"E.	4
			NOTAM	R695C a. 22°38'00"S, 150°05'30"E. b. 22°27'30"S, 150°05'30"E. c. 22°27'04"S, 150°05'46"E. d. 22°52'05"S, 150°16'31"E. e. 22°51'30"S, 150°13'30"E. f. 22°44'30"S, 150°08'30"E.	4
YBBB/R725	Saumarez Reef	Firing	NOTAM	A circle 5 NM in radius centered on 21°51'18"S, 153°38'47"E.	3
YBBB/R747	Rattlesnake Island	Firing	NOTAM	A circle 4.8 NM in radius centered on 19°02'10"S, 146°36'38"E.	5
YBBB/R748	Halifax Bay	Firing	NOTAM	a. 19°04'56"S, 146°47'41"E. b. 19°08'23"S, 146°43'46"E. c. 19°09'00"S, 146°38'30"E. d. 19°01'30"S, 146°28'00"E. e. 18°55'33"S, 146°23'35"E. f. 18°49'00"S, 146°26'00"E. g. 18°46'00"S, 146°31'00"E. h. 18°49'12"S, 146°34'38"E. then the minor arc of a circle 29 NM in radius centered on Townsville Tacan (19°16'44"S., 146°44'33"E.); to i. 18°48'22"S, 146°51'25"E.	5
YBBB/R767	Cairns	Firing	NOTAM	a. 17°19'00"S, 146°08'18"E. b. 17°08'00"S, 146°07'00"E. c. 17°07'00"S, 146°23'00"E. d. 17°22'00"S, 146°25'00"E. e. 17°23'30"S, 146°13'00"E.	6
YBBB/R778	Cairns (Outer Reef)	Firing	NOTAM	a. 16°41'30"S, 146°15'00"E. b. 16°30'00"S, 146°15'00"E. c. 16°30'00"S, 146°33'00"E. d. 16°41'30"S, 146°33'00"E.	6
YBBB/R783	Lizard Island	Firing	NOTAM	a. 14°33'00"S, 145°14'00"E. b. 14°28'00"S, 145°22'00"E. c. 14°34'00"S, 145°26'00"E. d. 14°40'00"S, 145°18'00"E.	6

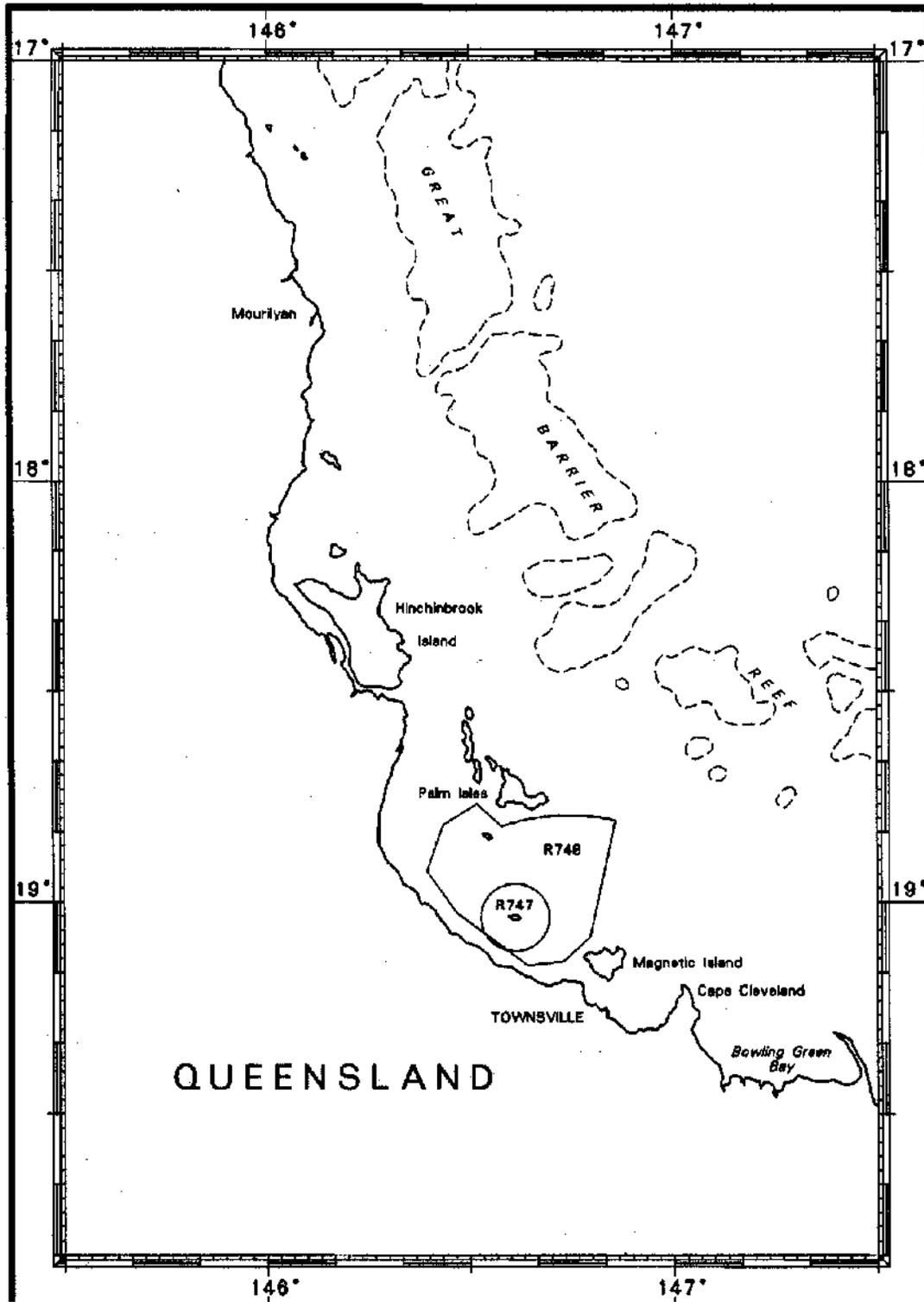
Restricted and Danger Areas with Associated Airspace—Victoria and Tasmania Warnings are promulgated by Notices to Airmen (NOTAM) originated by the RAN RAAF.					
Area	Name	Nature of Activity	Times of Use	Area limits are bound by lines joining positions stated, unless otherwise indicated.	Chartlet No.
YMMM/R323	Western Port	Firing	Mon-Fri 2300-0545 UTC or NOTAM	R323A a. 38°30'00"S, 144°55'22"E. then the major arc of a circle 5 NM in radius centered on 38°28'55"S, 145°01'35"E; to b. 38°32'52"S, 145°05'28"E. c. 38°35'30"S, 145°08'30"E. d. 38°43'58"S, 145°08'32"E. then the minor arc of a circle 16 NM in radius centered on 38°28'55"S, 145°01'35"E; to e. 38°32'23"S, 144°41'41"E.	11
			Mon-Fri 2300-0545 UTC or NOTAM	R323B a. 38°28'55"S, 145°01'35"E. b. 38°44'55"S, 145°01'19"E. then the minor arc of a circle 16 NM in radius centered on 38°28'55"S, 145°01'35"E; to c. 38°32'23"S, 144°41'41"E.	11
YMMM/R332	Hanns Inlet	Radar flares	H24	A circle 1.5 NM in radius centered on 38°22'48"S, 145°12'00"E.	11
YMMM/R339	Cape Schanck	Gunnery, military flying, and naval activity	NOTAM	a. 38°51'00"S, 144°21'00"E. b. 38°38'00"S, 144°41'00"E. c. 38°36'16"S, 144°43'28"E. then the minor arc of a circle 16 NM in radius centered on 38°28'55"S, 145°01'35"E; to d. 38°44'45"S, 145°04'34"E. e. 38°49'30"S, 144°56'30"E. f. 39°02'00"S, 144°34'00"E.	11
YMMM/R362	Stony Head	Firing	H24	R362A a. 41°03'10"S, 146°56'25"E. b. 41°01'44"S, 146°55'54"E. then along the coast to c. 41°00'01"S, 147°04'50"E. d. 41°03'54"S, 147°04'06"E.	11
			NOTAM	R362B a. 41°03'10"S, 146°56'25"E. b. 41°01'44"S, 146°55'54"E. then along the coast to c. 41°00'01"S, 147°04'50"E. d. 41°03'54"S, 147°04'06"E.	11
			NOTAM	R362C a. 40°56'30"S, 146°54'00"E. b. 40°56'30"S, 147°05'30"E. c. 41°00'01"S, 147°04'50"E. then along the coast to d. 41°01'44"S, 146°55'54"E.	11

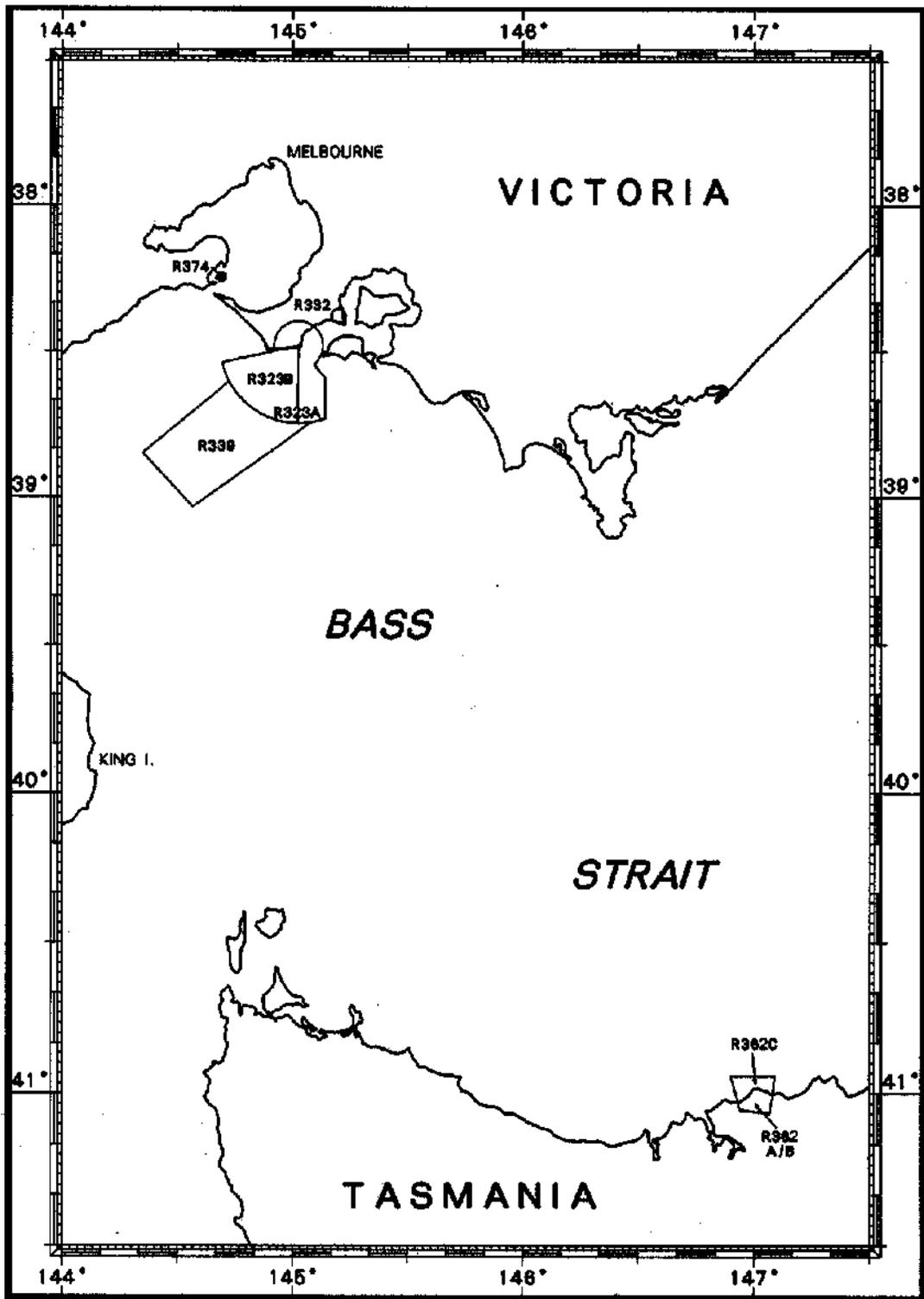
Restricted and Danger Areas with Associated Airspace—Victoria and Tasmania Warnings are promulgated by Notices to Airmen (NOTAM) originated by the RAN RAAF.					
Area	Name	Nature of Activity	Times of Use	Area limits are bound by lines joining positions stated, unless otherwise indicated.	Chartlet No.
YMMM/R374	Swan Island	Firing	H24	A circle 1 NM in radius centered on 38°14'50"S, 144°41'30"E.	11

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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
48 7483	<i>University of Maine ODAS Lighted Buoy C</i>		FI Y 4s	9	2	Yellow.	Private aid.
	*						* 11/03
*113	<i>University of Maine Research Lighted Buoy B</i>	43 10 51 N 70 25 40 W	FI Y 4s			Yellow.	Private aid.
							11/03
*113.2	<i>University of Maine Research Lighted Buoy I</i>	44 06 22 N 68 06 32 W	FI Y 4s			Yellow.	Private aid.
							11/03
115	<i>Bibb Rock Buoy BR</i>	43 16 36 N 70 33 00 W				Red nun with green bands.	
	*						11/03
170	<i>York Ledge Buoy YL East of ledge.</i>	43 05 36 N 70 35 18 W				Red nun with green bands.	
	*						11/03
*1002	<i>University of Maine Research Lighted Buoy J</i>	44 53 28 N 67 01 02 W	FI Y 4s			Yellow.	Private aid.
							11/03
3347	<i>University of Maine Oceanographic Lighted Buoy F</i>						<i>Remove from list.</i>
							* 11/03
3443	<i>University of Maine Oceanographic Lighted Buoy D</i>						<i>Remove from list.</i>
							* 11/03
3527	<i>University of Maine Oceanographic Lighted Buoy E</i>						<i>Remove from list.</i>
							* 11/03
4052	<i>University of Maine Oceanographic Lighted Buoy F</i>	44 03 19 N 68 59 54 W	FI Y 4s			Yellow.	Private aid.
	*	*					* 11/03
39710	<i>JUNIPER ISLAND LIGHT</i>	44 26 58 N 73 16 34 W	FI W 4s	125	8	On white skeleton tower.	
		*					11/03
39825	<i>DIAMOND ISLAND LIGHT</i>	44 14 11 N 73 20 05 W	FI W 2.5s	37	6	White skeleton tower, small white house.	
		*					11/03
39875	<i>YELLOW HOUSE POINT LIGHT Y</i>	43 58 31 N 73 24 26 W	FI W 4s	33	6	NB on black skeleton tower.	
		*					11/03

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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
39900	WATCH POINT LIGHT WP	43 53 09 N 73 22 26 W	FI W 4s	20	6	NG on white skeleton tower.	
		*					11/03
39945	ORWELL BLUFF LIGHT OB	43 46 40 N 73 20 58 W	FI W 4s	38	6	NG on black skeleton tower.	
		*					11/03
40045	- LIGHT 24	43 37 41 N 73 25 58 W	FI R 4s	25	3	TR on skeleton tower on concrete base.	
		*					11/03
40050	- LIGHT 26	43 37 19 N 73 25 06 W	FI R 2.5s	25	4	TR on skeleton tower on concrete base.	
		*					11/03
40060	- LIGHT 28	43 36 40 N 73 25 29 W	FI R 4s	25	3	TR on skeleton tower on concrete base.	
		*					11/03
40070	- LIGHT 32	43 35 24 N 73 25 54 W	FI R 4s	25	3	TR on skeleton tower.	
		*					11/03
40080	- LIGHT 35	43 34 58 N 73 25 18 W	FI G 4s	25	3	SG on skeleton tower on concrete base.	
		*					11/03

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
9160	- <i>Lighted Buoy 26</i> 75 feet outside channel limit.		FI R 4s		4	Red.	Replaced by LIB of lower intensity from the first Tuesday after Thanksgiving to Mar. 15.
							* 11/03
	Davis Creek						
14125	- CHANNEL LIGHT 1	37 19 13 N 76 18 00 W	FI G 4s	15	4	SG on pile.	
		*					11/03
20515	NORTH POINT CREEK LIGHT 2	39 13 12 N 76 26 23 W	FI R 4s	15	4	TR on pile.	Light equipment removed from Dec. 1 to Mar. 15.
		*					* 11/03
20535	- LIGHT 6	39 13 05 N 76 27 31 W	FI R 4s	15	3	TR on pile.	Light equipment removed from Dec. 1 to Mar. 15.
		*					11/03

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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
20690	LONG POINT LIGHT 5	39 14 41 N 76 29 35 W	FIG 4s	15	4	SG on pile.	
		*					11/03
21095	- Junction Buoy SM	39 15 10 N 76 33 50 W				Red and green bands; nun.	
		*					11/03
21300	- LIGHT 13	39 15 24 N 76 36 41 W	Q G	15	3	SG on pile.	Higher intensity beam down channel.
		*		*			11/03
21700	- LIGHT 3		FIG 4s	15	4	SG on pile.	Light equipment removed from Dec. 1 to Mar. 15.
					*		* 11/03
Nandua Creek							
21765	- ENTRANCE LIGHT 1N	37 38 08 N 75 56 27 W	FIG 4s	15	4	SG on multi-pile structure.	Light equipment removed when endangered by ice.
		*					11/03
Tedious Creek							
24380	- LIGHT 1		FIG 4s	15	4	SG on pile.	
				*			11/03
25390	- LIGHT 6		FIR 4s	15	3	TR on slatted pile structure.	
				*			11/03

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III ATLANTIC AND GULF COAST, 2002							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
TYBEE ISLAND TO DOBOY SOUND (Chart 11509)							
345 4540	Tybee Light (RANGE REAR) 3,883 yards, 298° from front light.	32 01 20 N 80 50 44 W	F W	144		Octagonal, brick tower, upper and lower one third black, center white.	Lighted throughout 24 hours.
		*					11/03
515 6030	<i>St. Simons Lighted Whistle Buoy STS</i>	31 03 14 N 81 15 09 W	Mo (A) W		6	Red and white stripes with red spherical topmark.	RACON: B (-•••).
		*					11/03
525	Brunswick Spoil Area Buoy B	31 00 27 N 81 16 36 W				Yellow can.	
		*					11/03
560 6460	<i>St. Marys Approach Lighted Buoy STM</i>	30 42 54 N 81 14 39 W	Mo (A) W		6	Red and white stripes with red spherical topmark.	
		*					11/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III ATLANTIC AND GULF COAST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
625	Cape Canaveral Light	28 27 37 N 80 32 36 W	FI (2) W 20s 0.2s fl 4.8s ec. 0.2s fl 14.8s ec.	137	24	White and black bands; conical iron tower.	
		*					11/03
850	<i>NOAA Data Lighted Buoy 41016</i>						<i>Remove from list.</i>
							* 11/03
930	TRIUMPH REEF LIGHT 2TR	25 28 36 N 80 06 42 W	FI R 2.5s	19	5	TR on dolphin.	11/03
1035 14490	STOCK ISLAND APPROACH CHANNEL LIGHT 32	24 28 24 N 81 44 30 W	FI R 2.5s	19	5	TR on dolphin.	11/03
					*		11/03
1054.8	- EAST LIGHT	24 27 13 N 81 52 31 W	FI W 6s	40	5	Skeleton tower on pile.	11/03
					*		11/03
1055	Sand Key Light	24 27 14 N 81 52 39 W	FI (2) W 15s (2 R sectors) 0.1s fl 2.4s ec. 0.1s fl 12.4s ec.	109	14 11	White, square, pyramidal, skeleton tower enclosing stair cylinder and square dwelling; pile foundation.	Red from 072° to 086°; White from 086° to 248°; Red from 248° to 270°; White from 270° to 072°. RACON: N (- -).
		*					11/03
EAST CAPE TO MORMON KEY (Chart 11431)							
1205 15650	EAST CAPE LIGHT 2	25 05 00 N 81 04 58 W	FI R 4s	16	5	TR on dolphin.	11/03
		*			*		11/03
1505 25680	CLEARWATER PASS CHANNEL LIGHT 1	27 58 18 N 82 50 48 W	FI G 2.5s	20	3	SG on dolphin.	11/03
					*		11/03
1565	ST. MARTINS OUTER SHOAL LIGHT 10 On west point of shoal.	28 25 48 N 82 55 06 W	FI R 4s	16	5	TR on dolphin.	11/03
					*		11/03
*Add Heading: *Charleston Marina							
*2788	BREAKWATER SOUTHEAST LIGHT	32 49 51 N 79 56 02 W	FI W 2.5s	4		On floating breakwater.	Private aid. 11/03
*2788.1	BREAKWATER SOUTHWEST LIGHT		Q W	4		On floating breakwater.	Private aid. 11/03
*2788.2	BREAKWATER NORTHWEST LIGHT		FI W 6s	4		On floating breakwater.	Private aid. 11/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III ATLANTIC AND GULF COAST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*2788.3	BREAKWATER NORTHEAST LIGHT		FI W 4s		4	On floating breakwater.	Private aid. 11/03
*2788.4	BREAKWATER NORTH ENTRANCE LIGHT		FI W 6s	4		On floating breakwater.	Private aid. 11/03
*2788.5	BREAKWATER SOUTH ENTRANCE LIGHT		FI W 6s	4		On floating breakwater.	Private aid. 11/03
2960	- Lighted Buoy 66		FI R 4s		4	Red. *	11/03
3220	- LIGHT 107		FI G 4s	16	4	SG on pile. *	11/03
CHARLESTON HARBOR (Chart 11524)							
Wando River							
3290	- RANGE A FRONT LIGHT	32 48 24 N 79 55 06 W	Q G		22	KRW on skeleton tower on piles.	Visible all around; higher intensity on rangeline. * 11/03
3295	- RANGE A REAR LIGHT 156 yards, 222.1° from front light.		Iso G 6s	39		KRW on skeleton tower on piles.	Visible all around; higher intensity on rangeline. * 11/03
4235 35595	PARRIS ISLAND SPIT LIGHT 246	32 16 42 N 80 40 00 W	FI R 4s	16	4	TR-TY on dolphin. *	Higher intensity beam down Port Royal Sound. 11/03
4540 345	Tybee Light (RANGE REAR) 3,883 yards, 298° from front light.	32 01 20 N 80 50 44 W	F W	144		Octagonal, brick tower, upper and lower one third black, middle white.	Lighted throughout 24 hours. * 11/03
Kings Island Turning Basin							
5045	- RANGE FRONT LIGHT	32 07 36 N 81 08 00 W	Q Y		15	KYB on pile.	Visible all around; higher intensity on rangeline. * 11/03
5050	- RANGE REAR LIGHT 60 yards, 142.3° from front light.		Iso Y 6s	22		KYB on pile.	Visible 4° each side of rangeline. * 11/03
5960	- LIGHT 4		FI R 4s	16	4	TR on pile.	 * * * * * 11/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III ATLANTIC AND GULF COAST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
ST. SIMONS SOUND (Chart 11506)							
St. Simons Sound							
6030 515	<i>St. Simons Lighted Whistle Buoy STS</i>	31 03 14 N 81 15 09 W	Mo (A) W		6	Red and white stripes with red spherical topmark.	RACON: B (-•••). * 11/03
6190 37260	- <i>Lighted Buoy 22</i>		FI R 4s		4	Red with yellow triangle.	* 11/03
DOBOY SOUND TO FERNANDINA (Chart 11502)							
St. Marys Approach							
6460 560	- <i>Lighted Buoy STM</i>	30 42 54 N 81 14 39 W	Mo (A) W		6	Red and white stripes with red spherical topmark.	* 11/03
6465	- RANGE FRONT LIGHT						<i>Remove from list.</i> * 11/03
6470	- RANGE REAR LIGHT 3,021 yards, 291.3° from front light.						<i>Remove from list.</i> * 11/03
6495	- <i>Lighted Buoy 5</i>						<i>Remove from list.</i> * 11/03
6500	- <i>Lighted Buoy 6</i>						<i>Remove from list.</i> * 11/03
6505	- <i>Lighted Buoy 7</i>						<i>Remove from list.</i> * 11/03
6510	- <i>Lighted Buoy 8</i>						<i>Remove from list.</i> * 11/03
6520	- <i>Lighted Buoy 10</i>		FI R 4s		3	Red.	* 11/03
6535	- <i>Lighted Buoy 11</i>		FI G 4s		3	Green.	* 11/03
6630	- <i>Lighted Buoy 22</i>		FI R 6s		4	Red.	* 11/03
6665	- <i>Turning Basin Lighted Buoy D</i>		FI Y 2.5s		4	Yellow.	* 11/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III ATLANTIC AND GULF COAST, 2002							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
6675	- <i>Turning Basin Lighted Buoy F</i>		FI Y 2.5s		5	Yellow.	
					*		11/03
6725 37895	- <i>Lighted Buoy 32</i>		FI R 4s		4	Red with yellow square.	
					*		11/03
6865 37810	- <i>Lighted Buoy 39</i>		FI G 6s		4	Green with yellow triangle.	
					*		11/03
6910 37745	- RANGE D REAR LIGHT 1,318 yards, 351.2° from front light.		Iso R 6s	35		KRW on skeleton tower on piles.	Visible all around; higher intensity on rangeline.
				*			11/03
6915 37765	- <i>Lighted Buoy 43</i>		FI G 4s		4	Green with yellow triangle.	
					*		11/03
6920 37760	- <i>Lighted Buoy 45</i>		FI G 6s		4	Green with yellow triangle.	
					*		11/03
7060 37940	- <i>Lighted Buoy 4</i>		FI R 4s		4	Red with yellow triangle.	
					*		11/03
	Fulton Cutoff						
7340	- <i>Lighted Buoy 34</i>		FI R 4s		4	Red.	
					*		11/03
7370	- LIGHT 38		FI R 6s	16	4	TR on dolphin.	
					*		11/03
7645	<i>Commodore Point Shoal Lighted Buoy 80</i> Off shoal.		Q R		4	Red.	
					*		11/03
7680	WINTER POINT LIGHT 2		FI R 4s	16	4	TR on dolphin.	
					*		11/03
8220	- LIGHT 7						<i>Remove from list.</i>
							* 11/03
8480	NORWALK POINT LIGHT 58		FI R 4s	16	3	TR on pile.	
					*		11/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III ATLANTIC AND GULF COAST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
Lake Monroe							
9240	- BAR LIGHT 1	28 50 04 N 81 18 58 W	FI G 4s	17		SG on pile.	
	*		*	*			11/03
9480	- Buoy 2				3	Red nun.	
					*		11/03
9585	- Approach Channel Lighted Whistle Buoy 3		FI G 2.5s		4	Green.	
					*		11/03
9590	- Approach Channel Lighted Buoy 4		FI R 2.5s		4	Red.	
					*		11/03
9610	- Approach Channel Lighted Buoy 8	28 23 48 N 80 33 24 W	FI R 6s		4	Red.	
					*		11/03
9625	- Entrance Channel Lighted Buoy 10		Q R		4	Red.	
					*		11/03
9650	- Entrance Channel Lighted Buoy 13 <i>See Canaveral Barge Canal Daybeacon 2 for continuation of this channel.</i>		FI G 4s		4	Green.	
					*		11/03
9670	- LIGHT 2		FI R 6s	12	4	TR on dolphin.	
					*		11/03
9680	- LIGHT 5		FI G 4s	12	4	SG on pile.	
					*		11/03
9685	- LIGHT 7		FI G 6s	12	4	SG on pile.	
					*		11/03
9695	- Entrance Channel Lighted Buoy 16		FI R 2.5s		4	Red.	
					*		11/03
9700	- Entrance Channel Lighted Buoy 18		FI R 4s		4	Red.	
					*		11/03
9705	- Entrance Channel Lighted Buoy 19	28 24 33 N 80 37 13 W	FI G 4s		4	Green.	
					*		11/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III ATLANTIC AND GULF COAST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
Fort Pierce Inlet Inner Harbor							
9830	- Lighted Buoy 7		FI G 2.5s		4	Green.	
					*		11/03
9835	- Lighted Buoy 8		FI R 2.5s		4	Red.	
					*		11/03
9840	- Lighted Buoy 9		FI G 4s		4	Green.	
					*		11/03
9850	- Lighted Buoy 11		FI G 2.5s		4	Green.	
					*		11/03
Fort Pierce Inlet Inner Harbor							
9950	- Lighted Buoy 12	27 28 00 N 80 18 27 W	FI R 4s		4	Red.	
					*		11/03
9980	- Turning Basin Lighted Buoy A	27 27 29 N 80 19 14 W	FI Y 4s		5	Yellow.	
					*		11/03
10212	- LIGHT 5		FI G 4s	16	4	SG on dolphin.	
					*		11/03
10370 47475	Stranahan River Lighted Buoy 30		FI R 4s		4	Red with yellow triangle.	
					*		11/03
10775 48470	BISCAYNE BAY LIGHT 50	25 46 54 N 80 10 54 W	FI R 2.5s (W sector)	12	4	TR-TY on pile.	White from 215° to 295°.
					*		11/03
BAHIA HONDA KEY TO SUGARLOAF KEY (Chart 11445)							
Florida Bay							
12575	BAHIA HONDA KEY SHOAL LIGHT	24 41 00 N 81 15 36 W	FI W 2.5s	16	5	NW on pile worded DANGER SHOAL.	
					*		11/03
Toms Harbor Channel							
13541	- Daybeacon 1	24 45 30 N 80 56 04 W				SG on pile.	Private aid.
						*	11/03
Stock Island Approach Channel							
14490 1035	- LIGHT 32	24 28 24 N 81 44 30 W	FI R 2.5s	19	5	TR on dolphin.	
					*		11/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III ATLANTIC AND GULF COAST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
15170	- ENTRANCE RANGE REAR LIGHT 787 yards, 166° from front light.		Iso R 6s	36		KRW on triangular pyramidal structure on piles.	* 11/03
18120	- LIGHT 7		FI G 4s	16	4	SG on pile.	* 11/03
19950	BOCA GRANDE INNER CHANNEL RANGE FRONT LIGHT	26 41 54 N 82 18 00 W	Q W	16		KRW on dolphin.	Visible all around. * 11/03
21468	- Buoy 3						<i>Remove from list.</i> * 11/03
21470	- Buoy 3A						<i>Remove from list.</i> * 11/03
21473	- Daybeacon 3	27 16 21 N 82 34 14 W				TR on pile.	* 11/03
21475	- Buoy 3A					Green can.	* 11/03
21477	- Buoy 3B					Green can.	* 11/03
22540	- Lighted Buoy 5		FI G 4s		4	Green.	* 11/03
22600.5	- RANGE FRONT PASSING LIGHT	27 41 55 N 82 32 50 W	Q W	19	5	On same structure as Cut C Channel Range Front Light.	Visible all around. * 11/03
22800	- SOUTH RANGE REAR LIGHT 974 yards, 179.5° from front light.		Iso G 6s FI W 4s	46 46	6	KRW on piles.	Visible 2° each side of rangeline. Passing light visible all around. * 11/03
22880	- Lighted Buoy 5		FI G 4s		4	Green.	* 11/03
Hillsborough Cut D Channel							
23500	- RANGE FRONT LIGHT	27 53 54 N 82 26 06 W	Q W	16		KRW on dolphin.	Visible 2° each side of rangeline. * 11/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III ATLANTIC AND GULF COAST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
23715	- UPPER RANGE REAR LIGHT 1,043 yards, 358.8° from front light.		Iso W 6s	45		KRW on skeleton tower on piles.	Visible all around. * 11/03
23725	- RANGE REAR LIGHT 1,728 yards, 178.7° from front light.		Iso W 6s FI W 4s	58 23	5	KRW on skeleton structure on piles.	Visible 2° each side of rangeline. Passing light obscured on rangeline, visible elsewhere. * 11/03
Point Pinellas Channel							
24700 60510	- LIGHT 1	27 40 58 N 82 36 34 W	FI G 2.5s	16	3	SG on pile.	* 11/03
24715.5 60525.5	- LIGHT 5	27 42 30 N 82 36 36 W	FI G 4s	16	4	SG on pile.	* 11/03
24735	- LIGHT 7	27 43 09 N 82 36 39 W	FI G 6s	16	4	SG on pile.	* 11/03
24735.1	- LIGHT 9	27 43 53 N 82 36 40 W	FI G 4s	16	4	SG on pile.	* 11/03
25020	- LIGHT 2	27 46 18 N 82 37 30 W	FI R 4s	18	5	TR on pile on small white house.	Higher intensity beam downstream. * 11/03
Clearwater Pass							
Clearwater Pass Channel							
25680 1505	CLEARWATER PASS CHANNEL LIGHT 1	27 58 18 N 82 50 48 W	FI G 2.5s	20	3	SG on dolphin.	* 11/03
26100	- LIGHT 9		FI G 2.5s	16	3	SG on pile.	* 11/03
Anclote River							
26135	- ENTRANCE LIGHT 1	28 10 23 N 82 49 31 W	Q G	16	3	SG on pile.	* 11/03
29235	- LIGHT 21	28 57 29 N 82 50 46 W	FI G 4s	16	4	SG on pile.	* 11/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III ATLANTIC AND GULF COAST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
Cedar Keys South Bar Channel							
29895	- LIGHT 2 Near south bar shoal.	29 07 14 N 82 58 51 W	FI R 4s	16	3	TR on pile.	
				*			11/03
30750	- RANGE REAR LIGHT 1,335 yards, 187.7° from front light.	18 27 18 N 66 07 43 W	Oc W 4s	56		On skeleton tower.	Visible 0.5° each side of rangeline. Lighted throughout 24 hours.
	*						11/03
30775	- Lighted Buoy 5	18 28 10 N 66 07 38 W	FI G 6s		4	Green.	
					*		11/03
30780	- Lighted Buoy 6		Q R		4	Red.	
					*		11/03
31555	- Lighted Buoy 5		Q G		4	Green.	
					*		11/03
31560	- Lighted Buoy 6		Q R		4	Red.	
					*		11/03
31580	- Lighted Buoy 10		FI R 4s		4	Red.	
					*		11/03
32700	TWO BROTHERS LIGHT	18 20 36 N 64 49 00 W	FI W 6s	23	6	NR on skeleton tower.	
					*		11/03
35595 4235	PARRIS ISLAND SPIT LIGHT 246	32 16 42 N 80 40 00 W	FI R 4s	16	4	TR-TY on dolphin.	Higher intensity beam down Port Royal Sound.
					*		11/03
Skull Creek							
35615	- ENTRANCE LIGHT 3		FI G 2.5s	16	4	SG-SY on dolphin.	Higher intensity beam toward Parris Island Spit Light 246.
					*		11/03
36705	- LIGHT 157		FI G 4s	12	4	SG-SY on pile.	
					*		11/03
36790	- LIGHT 175		FI G 4s	12	4	SG-SY on pile.	
					*		11/03
Duplin River							
36795	DOBOY SOUND LIGHT 178		Q R	16	4	TR-TY on dolphin.	
					*		11/03

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CORRECTIONS TO C. G. LIGHT LIST, VOLUME III ATLANTIC AND GULF COAST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
36930	- LIGHT 209		Q G	12	3	SG-SY on pile.	
					*		11/03
	Buttermilk Sound						
37020	- RANGE B FRONT LIGHT 218	31 18 06 N 81 24 06 W	Q R	16	4	KRW-TR-TY on pile.	
					*		11/03
37165	- LIGHT 239A		FIG 2.5ss	18	3	SG-SY on dolphin.	
			*		*		11/03
37195	- LIGHT 245		FIG 4s	12	4	SG-SY on dolphin.	
				*			11/03
37205	- LIGHT 247		FIG 6s	12	4	SG-SY on dolphin.	
					*		11/03
37260 6190	<i>St. Simons Sound Lighted Buoy 22</i>		FIR 4s		4	Red with yellow triangle.	
					*		11/03
37313	JEKYLL CREEK LIGHT 11	31 05 06 N 81 26 00 W	FIG 4s	12	3	SG-SY on pile.	
					*		11/03
37350	- LIGHT 23		FIG 4s	12	4	SG-SY on pile.	
					*		11/03
37400	- LIGHT 34		FIR 4s	16	4	TR-TY on dolphin.	
					*		11/03
37405	- LIGHT 35		FIG 4s	16	4	SG-SY on pile.	
					*		11/03
37410	- LIGHT 37		FIG 6s	16	4	SG-SY on pile.	
					*		11/03
37620	- LIGHT 62A		FIR 2.5s	12	3	TR-TY on pile.	
				*			11/03
37745 6910	- RANGE D REAR LIGHT 1,318 yards, 351.2° from front light.		Iso R 6s	35		KRW on skeleton tower on piles.	Visible all around; higher intensity on rangeline.
				*			11/03
37760 6920	- <i>Lighted Buoy 45</i>		FIG 6s		4	Green with yellow triangle.	
					*		11/03

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CORRECTIONS TO C. G. LIGHT LIST, VOLUME III ATLANTIC AND GULF COAST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
37765 6915	- Lighted Buoy 43		FI G 4s		4	Green with yellow triangle.	
					*		11/03
37810 6865	- Lighted Buoy 39		FI G 6s		4	Green with yellow triangle.	
					*		11/03
37895 6725	- Lighted buoy 32		FI R 4s		4	Red with yellow square.	
					*		11/03
37940 7060	- Lighted Buoy 4		FI R 4s		4	Red with yellow triangle.	
					*		11/03
38215	- LIGHT 57		FI G 4s	12	4	SG-SY on pile.	
					*		11/03
42435	- Buoy 5A					Green can.	
	*					*	11/03
42560	- Buoy 17					Green can.	
	*					*	11/03
43240	- LIGHT 7	28 04 30 N 80 35 54 W	Q G	12	4	SG on pile.	Higher intensity down channel. Obscured from 143° to 326°.
					*		11/03
45080	- LIGHT 182		FI R 4s	16	4	TR-TY on pile.	Higher intensity to the north.
					*		11/03
	*Add Heading: *Lake Worth Inlet - Hillsboro Inlet						
*47113	Delray Beach Shoal Buoy					White.	
							11/03
47475 10370	- Lighted Buoy 30		FI R 4s		4	Red with yellow triangle.	
					*		11/03
*47823	- Buoy 6B					Red nun.	
							11/03
*47828	- Buoy 7					Green can.	
							11/03
	Biscayne Bay						
48470 10775	- LIGHT 50	25 46 54 N 80 10 54 W	FI R 2.5s (W sector)	12	4	TR-TY on pile.	White from 215° to 295°.
					*		11/03

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CORRECTIONS TO C. G. LIGHT LIST, VOLUME III ATLANTIC AND GULF COAST, 2002							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
48545	- LIGHT 64		FI R 2.5s	16	4	TR-TY on pile.	Higher intensity beam oriented down channel. * 11/03
54775	- RANGE REAR LIGHT H AND I Range H 370 yards, 247° from front light. Range I 428 yards, 023.2° from front light.		Iso R 6s	32		KRW on tower on piles. Range Rear Light H and I on same structure.	Visible all around. * 11/03
55415	- LIGHT 16		FI R 4s	16	4	TR-TY on pile.	* 11/03
Pine Island Sound							
55980	- Daybeacon 49	26 36 33 N 80 12 08 W				SG-SY on pile.	* 11/03
Point Pinellas Channel							
60510 24700	- LIGHT 1	27 40 58 N 82 36 34 W	FI G 2.5s	16	3	SG-SY on pile.	* 11/03

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
PENSACOLA BAY AND APPROACHES (Chart 11382)							
203	Texaco-VK-786A-A RACON	29 13 42 N 87 46 48 W		146		On Texaco Platform.	BAND: S,X. SIGN: Texaco-VK-786A-A. RACON: C(- · - ·). Private aid. * 11/03
220	Union-MO-916-2 RACON	30 05 42 N 87 53 00 W		58		On freestanding caisson.	BAND: S, X SIGN: UNION-MO-916-2. RACON: C(- · - ·). Private aid. * 11/03
255 4945	<i>Mobile Entrance Lighted Horn Buoy M</i>	30 07 30 N 88 04 06 W	Mo (A) W FI W 2.5s		6	Red and white stripes with red spherical topmark.	Higher intensity flash tube: FI W 2.5s. RACON: M(- -). HORN: 1 blast ev 10s (1s bl). * 11/03
264.1	Amoco-VK-915-1 RACON	29 06 24 N 87 56 36 W				On Amoco Platform 1.	BAND: S, X Sign: AMOCO-VK-915-1. RACON: M(- -). Private aid. * 11/03

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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
277	Coastal-MO-959-A RACON	30 04 00 N 87 57 18 W		56		On Coastal Platform A.	BAND: S, X Sign: Coastal-MO-959-A. RACON: Q(- - - -). Private aid.
			*				* 11/03
310	Union-MO-904-1 RACON	30 05 06 N 88 29 48 W		60		On Union Platform A.	BAND: S, X SIGN: UNION-MO-904-1. RACON: Q(- - - -). Private aid.
			*				* 11/03
Mobile Bay							
4945 255	<i>Mobile Entrance Lighted Horn Buoy M</i>	30 07 30 N 88 04 06 W	Mo (A) W FI W 2.5s		6	Red and white stripes with red spherical topmark.	Higher intensity flash tube: FI W 2.5s. RACON: M (- - -). HORN: 1 blast ev 10s (1s bl).
			*				* 11/03
Mobile Channel							
5105	- LOWER REACH OUTER RANGE FRONT LIGHT	30 14 09 N 88 02 30 W	FI W 2.5s (Day) FI W 2.5s (Night) FI W 2.5s	22 20 24		Platform on pile.	DAY: Visible on range line only. NIGHT: Visible all around, higher intensity on range line.
			*	*			11/03
5235	- MIDDLE REACH OUTER RANGE REAR LIGHT 2,100 yards, 174.5° from front light.	30 25 41 N 88 00 35 W	Oc R 4s	67		KRW on skeleton tower on piles.	Visible 3° each side of range line.
		*					11/03
5237	- MIDDLE REACH OUTER RANGE REAR PASSING LIGHT		FI W 4s	12	5	On same structure as Mobile Channel Middle Reach Outer Range Rear Light.	
					*		11/03
5775	MULLET POINT LIGHT 2	30 24 18 N 87 55 15 W	FI R 4s	30	5	TR on platform.	Ra ref.
		*		*			11/03
6395	NAVAL STATION MOBILE LIGHT NS	30 31 28 N 88 05 17 W	FI W 6s	17	5	NG on pile.	Ra ref.
		*					11/03
12570	- LIGHT 5	28 59 37 N 89 08 30 W	FI G 2.5s	17	4	SG on piles.	
		*			*		11/03
14445	WADE HAMPTON LIGHT 173 RDB mile 172.0.	30 07 44 N 90 56 31 W	Iso G 6s	17	5	SG on skeleton tower.	
		*		*		*	11/03
24040	BAYTOWN BEND LIGHT 113	29 43 29 N 95 01 27 W	FI G 4s	17	4	SG on pile.	
				*			11/03

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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
25965	- RANGE A FRONT LIGHT	28 26 34 N 96 20 42 W	FI W 2.5s (Day) FI W 2.5s (Night) FI W 2.5s	22 24 26		On pile with platform.	Visible all around; higher intensity on range line.
			*	*			11/03
25970	- RANGE A REAR LIGHT 1,239 yards, 316.7° from front light.		Iso W 6s (Day) Iso W 6s (Night)	76 78		On skeleton tower on piles.	Lighted throughout 24 hours.
			*	*			11/03
25972	- RANGE A REAR PASSING LIGHT		FI W 4s	21	4	On same structure as Matagorda Ship Channel Range A Rear Light.	
				*	*		11/03
Galveston - Freeport							
34795	- RANGE D FRONT LIGHT	29 16 57 N 94 53 42 W	Q G	20		KRW-I on pile structure on same structure as Range E Front Light.	For westbound traffic. Visible all around; higher intensity on rangeline.
		*		*			11/03
35095	- RANGE A REAR LIGHT 991 yards, 054.3° from front light		Iso W 6s	35		KRW-I on skeleton tower on piles.	Visible all around; higher intensity on rangeline.
				*			11/03
35400	- RANGE B REAR LIGHT 700 yards, 235.3° from front light.		Iso W 6s	30		KRW-I on skeleton tower on piles.	Visible all around; higher intensity on rangeline.
				*			11/03
35893	- RANGE L REAR PASSING LIGHT		FI W 4s	11	5	On same structure as Matagorda Bay Range L Rear Light.	
	*						11/03
*Add Heading: *Krueger Channel							
37005	- LIGHT 1	28 01 42 N 97 01 48 W	FI G 4s	15		On dolphin.	Private aid.
	*						11/03
37010	- LIGHT 2		FI R 4s	15		On dolphin.	Private aid.
	*						11/03
*37012	- Daybeacon 3	28 01 24 N 97 01 30 W				SG on pile.	Private aid.
							11/03

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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
275	NOAA Environmental Lighted Buoy EB 46028	35 43 57 N 121 53 18 W	FI (4) Y 20s				Yellow disc-shaped buoy.
		*					11/03
297	NOAA Environmental Lighted Buoy 46042	36 43 20 N 122 24 20 W	FI (4) Y 20s				Yellow disc-shaped buoy.
		*					11/03
325	NOAA Environmental Lighted Buoy 46012	37 26 59 N 122 41 43 W	FI (4) Y 20s				Yellow disc-shaped buoy.
		*					11/03
410	Saunders Reef Lighted Gong Buoy 16	38 50 44 N 123 40 05 W	FI R 6s		4	Red.	
		*					11/03
415	Arena Cove Lighted Bell Buoy A	38 54 39 N 123 43 35 W	Mo (A) W		5	Red and white stripes with red spherical topmark.	
		*					11/03
455	Noyo Approach Lighted Whistle Buoy NA	39 25 55 N 123 49 59 W	Mo (A) W		5	Red and white stripes with red spherical topmark.	
		*					11/03
562	NOAA Environmental Lighted Buoy EB 46027	41 51 08 N 124 22 59 W	FI (4) Y 20s				Yellow disc-shaped buoy.
		*					11/03
1490	- Approach Lighted Buoy 3	32 38 13 N 117 14 13 W	FI G 6s		4	Green.	
		*					11/03
San Diego Bay							
1545	- Channel Lighted Buoy 8	32 39 55 N 117 13 36 W	FI R 2.5s		3	Red.	
		*					11/03
1555	- Channel Lighted Buoy 10	32 40 25 N 117 13 39 W	FI R 4s		3	Red.	
		*					11/03
1567	- SUBMERGED JETTY LIGHT E	32 41 12 N 117 13 40 W	FI W 2.5s	15	3	NW on pile worded: DANGER SUBMERGED JETTY.	
		*					11/03
1570	Ballast Point Light B	32 41 11 N 117 13 58 W	FI W 4s	16	10	NG on platform on dolphin.	HORN: 1 blast ev 15s (2s bl).
		*					11/03

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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
1595	SHELTER ISLAND WEST END LIGHT 2	32 42 28 N 117 14 06 W	FI R 2.5s	15	5	TR on pile.	
		*					11/03
1618	- Daybeacon C	32 42 15 N 117 13 29 W		15		NW on pile worded DANGER ROCKS.	
		*					11/03
1619	- LIGHT D	32 42 17 N 117 13 27 W	FI W 4s	15	4	NW on pile worded DANGER ROCKS.	
		*					11/03
1705	NORTH ISLAND LIGHT N	32 42 51 N 117 12 33 W	Q W	20	4	NR on post on concrete platform.	
		*					11/03
1757	- Buoy F	32 43 18 N 117 10 53 W				Yellow.	Private aid.
		*					11/03
1810	- Safety Zone Northeast Buoy	32 43 36 N 117 10 45 W				Yellow can.	
		*					11/03
1840	- Channel Lighted Buoy 24	32 41 55 N 117 09 54 W	FI R 4s		3	Red.	
		*					11/03
1859	San Diego-Coronado Bay Bridge RACON T	32 41 26 N 117 09 10 W	T (-)	193		West span, center of channel.	Private aid.
		*					11/03
1861	San Diego-Coronado Bay Bridge RACON C	32 41 26 N 117 09 09 W	C (- - -)	193		East span, center of channel.	Private aid.
		*					11/03
	Glorietta Bay						
1865	- Channel Lighted Buoy 1	32 41 11 N 117 09 11 W	FI G 4s		4	Green.	
		*					11/03
1875	- CHANNEL RANGE FRONT LIGHT	32 40 35 N 117 10 09 W	Q G	11		KRW on pile.	Visible all around.
		*					11/03
2300	- Junction Buoy	33 12 29 N 117 24 09 W				Green and red bands; can.	
		*					11/03
2380	- Daybeacon 8	33 12 49 N 117 24 08 W				TR on white skeleton tower.	
		*					11/03

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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
2430	<i>San Juan Rocks Lighted Whistle Buoy 2SJR</i>	33 27 18 N 117 43 15 W	FI R 2.5s		4	Red.	
		*					11/03
*4783	BELLA BAY ISLAND LIGHTHOUSE LIGHT	37 46 01 N 122 17 16 W	FI W 4s	30		On top of restaurant building.	
							11/03
Pittsburg Marina							
6602	- WEST BASIN LIGHT 1	38 02 26 N 121 53 09 W	FI G 4s	5		SG on pile.	Private aid.
		*	*				11/03
6603	- WEST BASIN LIGHT 2	38 02 27 N 121 53 09 W	FI R 4s	5		TR on pile.	Private aid.
		*	*				11/03
6605	- LIGHT 1	38 02 11 N 121 52 54 W	FI G 4s	11		On breakwater.	Private aid.
		*					11/03
6610	- LIGHT 2	38 02 12 N 121 52 56 W	FI R 4s	11		On breakwater.	Private aid.
		*					11/03
6615	- LIGHT 4	38 02 11 N 121 52 55 W	FI R 4s	11		On breakwater.	Private aid.
		*					11/03
7185	- LIGHT 5	38 03 56 N 121 50 09 W	FI G 2.5s	15	4	SG on pile.	Ra ref.
		*					11/03
7195	- LIGHT 7	38 03 44 N 121 48 32 W	FI G 4s		3	SG on pile.	
		*					11/03
7210	- LIGHT 10	38 03 35 N 121 48 00 W	FI R 2.5s	15	2	TR on pile.	Ra ref.
		*					11/03
7215	- LIGHT 11	38 03 52 N 121 47 38 W	FI G 6s	15	4	SG on pile.	
		*		*			11/03
7220	- LIGHT 12	38 03 45 N 121 47 32 W	FI R 6s	15	3	TR on pile.	Ra ref.
		*					11/03
7225	- LIGHT 13	38 04 41 N 121 46 02 W	FI G 2.5s	15	2	SG on pile.	Ra ref.
		*					11/03

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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
7235	- LIGHT 15	38 05 24 N 121 44 34 W	FI G 4s	15	3	SG on pile.	Ra ref.
		*					11/03
7240	- LIGHT 16	38 05 18 N 121 44 30 W	FI R 4s	15	3	TR on pile.	Ra ref.
		*					11/03
7245	- LIGHT 17	38 05 39 N 121 44 12 W	FI G 6s	15	3	SG on pile.	Ra ref.
		*					11/03
7250	- LIGHT 18	38 05 35 N 121 44 07 W	FI R 6s	15	3	TR on pile.	Ra ref.
		*					11/03
8625	- ENTRANCE LIGHT 5	42 02 36 N 124 16 21 W	FI G 4s	23	5	Green pile structure.	Due to waether conditions the dayboards have been removed from this aid.
						*	11/03
8640	- ENTRANCE LIGHT 11	42 02 51 N 124 16 09 W	Q G	16	3	SG on pedestal structure.	
		*				*	11/03
8680	- Entrance Lighted Bell Buoy 4	43 07 41 N 124 27 04 W	FI R 6s		4	Red.	
						*	11/03
8780	- Channel Lighted Buoy 5A	43 21 17 N 124 19 36 W	FI G 4s		4	Green.	
						*	11/03
8794	- Channel Lighted Buoy 6A	43 21 13 N 124 19 22 W	Q R		4	Red.	
						*	11/03
8985	- CHANNEL LIGHT 25 150 feet outside channel limit.	43 25 34 N 124 15 02 W	FI G 4s	15	4	SG on dolphin.	
		*				*	11/03
9000	- CHANNEL LIGHT 28 75 feet outside channel limit.	43 25 34 N 124 13 43 W	FI R 4s	17	4	TR on dolphin.	
		*				*	11/03
9005	- Channel Lighted Buoy 29	43 25 43 N 124 13 39 W	Q G		3	Green.	
						*	11/03
9030	- CHANNEL LIGHT 35	43 24 35 N 124 13 04 W	FI G 2.5s	16	3	SG on dolphin.	
		*				*	11/03

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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
9085	ISTHMUS SLOUGH LIGHT 43	43 21 51 N 124 12 31 W	FI G 4s	15	5	SG on dolphin.	
		*				*	11/03
9101	- ENTRANCE LIGHT 1	43 22 31 N 124 11 15 W	FI G 4s	14	3	SG on pile.	
		*				*	11/03
9120	- CHANNEL LIGHT 8	43 22 09 N 124 10 40 W	FI R 4s	14	3	TR on dolphin.	
		*				*	11/03
*17920	Port Madison Regulatory Buoy A	47 42 19 N 122 31 41 W				White can with orange markings.	Private aid.
							11/03
*Change Note to Read:							
International Boundary							
<i>*Boundary Ranges A, B, C (front and rear), and Obstruction Light are maintained by the International Boundary Commission, United States and Canada.</i>							
19970	- RANGE A FRONT LIGHT	49 00 05 N 123 05 23 W	F W (G & R sectors)	180		Rectangular shaped orange daymark on gray skeleton tower.	Fixed Red from 087.5° to 088.5°; oscillating Red and White from 088.5° to 089.5°; fixed White from 089.5° to 090.5°; oscillating White and Green from 090.5° to 091.5°; fixed Green from 091.5° to 092.5°. Lighted throughout 24 hours.
							11/03
*Add Heading:							
*LAKE PEND OREILLE (Chart 18554)							
*20118	Navy Lighted Mooring Buoy B2	48 05 32 N 116 28 46 W	Q Y			White can with orange markings.	Navy maintained.
							11/03
*20120	Navy Lighted Mooring Buoy B3	48 05 32 N 116 29 20 W	Q Y			White can with orange markings.	Navy maintained.
							11/03
*20122	Navy Weather Lighted Buoy	48 05 20 N 116 29 15 W	FI Y 2s			Orange sphere.	Navy Maintained.
							11/03
*20124	Navy Hauldown Submerged Buoy	48 05 18 N 116 29 04 W				Yellow float.	Float submerges 100ft when tests are underway. Navy maintained.
							11/03
*20126	Navy Lighted Mooring Buoy B1	48 05 08 N 116 28 45 W	Q Y			White can with orange markings.	Navy maintained.
							11/03

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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
*20128	Navy Lighted Mooring Buoy	48 05 07 N 116 29 20 W	Q Y			White can with orange markings.	Navy maintained. 11/03
*20130	Navy Hauldown Lighted Buoy	48 04 53 N 116 31 36 W	FI Y 2s			White can with orange markings.	Navy maintained. 11/03
*20132	NAVY OUTPOST PIER LIGHT	48 04 52 N 116 31 43 W	FI Y 2s			On pier.	Navy maintained. 11/03
*20133	NAVY DEEP MOORING 2 LIGHT	48 03 38 N 116 30 03 W	FI Y 2s			On float.	Navy maintained. 11/03
*20138	Navy Hauldown 3 Submerged Buoy	48 01 45 N 116 30 08 W					Buoy is 50ft below waters surface. Navy maintained. 11/03
*20140	NAVY OUTBOARD HAULDOWN 3 LIGHT	48 01 40 N 116 30 35 W	FI Y 2s			On orange and white float.	Navy maintained. 11/03
*20142	NAVY INBOARD HAULDOWN 3 LIGHT	48 01 35 N 116 31 04 W	FI Y 2s			On orange and white float.	Navy maintained. 11/03
*20144	NAVY WIGWAM PIER LIGHT	48 01 31 N 116 31 27 W	FI Y 2s	10		On pier.	Navy maintained. 11/03
*20146	NAVY DEEP MOORING 1 LIGHT	48 01 20 N 116 29 45 W	FI Y 2s			On float.	Navy maintained. 11/03
*20160	NAVY BARGE LIGHT B	47 58 47 N 116 32 06 W	FI Y 2s			On barge.	Navy maintained. 11/03
*20162	NAVY BARGE LIGHT A	47 58 48 N 116 32 06 W	FI Y 2s			On barge.	Navy maintained. 11/03
*20164	NAVY TRANSFORMER FLOAT LIGHT B	47 58 47 N 116 32 08 W	FI Y 2s			On barge.	Navy maintained. 11/03
*20166	NAVY TRANSFORMER FLOAT LIGHT A	47 58 47 N 116 32 10 W	FI Y 2s			On barge.	Navy maintained. 11/03
*20168	NAVY HARBOR ENTRANCE LIGHT 2	47 58 43 N 116 33 31 W	FI R 2s	10		On pile.	Navy maintained. 11/03

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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
*20170	NAVY HARBOR ENTRANCE LIGHT 1	47 58 42 N 116 33 30 W	FI G 2s	10		On pile.	Navy maintained.
							11/03
28845	- Junction Buoy S	21 26 54 N 157 47 41 W				Green and red bands; can.	
	*	*				*	11/03

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SECTION II

CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2003 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
12085 <i>J 4657</i>	-E. breakwater, head.						<i>Remove from list.</i>
							* 11/03
12088 <i>J 4656</i>	-W. of town, Range, front.	25° 04.7' N 77° 21.0' W	F.G.	37 11	7	Orange mast; 39.	Difficult to distinguish.
						*	* 11/03
12092 <i>J 4656.1</i>	--Rear, 260 meters 151°36' from front.	25° 04.6' N 77° 20.9' W	F.G.	61 19	7	Orange mast; 36.	Difficult to distinguish.
						*	* 11/03

CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2003 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
16492 <i>F 4437</i>	-N. breakwater, head.	37° 25.9' N 129° 11.8' E	F.I.R. period 4s	46 14	8	Red round concrete tower; 28.	
		*					11/03
*25386 <i>K 1541.6</i>	Tanjung Siwa.	3° 41.5' S 120° 26.3' E	F.I.R. period 4s fl. 0.5s, ec. 3.5s	26 8	10	PORT (A) R, beacon, topmark.	
							11/03
*25418 <i>K 1538.5</i>	Benteng.	6° 06.7' S 120° 27.1' E	F.I.R. period 4s fl. 0.5s, ec. 3.5s	26 8	10	PORT (A) R, beacon, topmark.	
							11/03
*25503.6 <i>K 1489.2</i>	Belangbelang.	2° 28.6' S 119° 06.6' E	F.I.G. period 5s fl. 0.5s, ec. 4.5s	23 7	10	STARBOARD (A) G, beacon, topmark.	
							11/03
*25503.65 <i>K 1489.1</i>	-NE.	2° 28.4' S 119° 06.8' E	F.I.R. period 4s fl. 0.5s, ec. 3.5s	23 7	10	PORT (A) R, beacon, topmark.	
							11/03
*25503.7 <i>K 1489</i>	--E.	2° 28.4' S 119° 07.0' E	F.I.R. period 4s fl. 0.5s, ec. 3.5s	23 7	10	PORT (A) R, beacon, topmark.	
							11/03
26944 <i>F 1002</i>	Puri.	19° 47.4' N 85° 48.5' E	F.I.(3)W. period 20s	95 29		Black tower, white bands; 82.	
		*	*	*	*	*	* 11/03

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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
4680 <i>E 0158</i>	-Outer breakwater, head.	38° 19.6' N 0° 29.4' W	Fl.G. period 5s fl. 1.5s, ec. 3.5s	46 14	11	Green metal framework tower, white base; 30.	
			*				* 11/03
*5795 <i>E 0434.4</i>	-Industrial Dock, jetty, head.	41° 22.4' N 2° 11.2' E	Fl.G. period 5s fl. 0.5s, ec. 4.5s	16 5	2	Green post; 10.	
							11/03
*5796 <i>E 0434.45</i>	--W. head.	41° 22.4' N 2° 11.2' E	Q.(2+1)G. period 9s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	16 5	2	Green post, red band.	
							11/03
14100 <i>E 3620</i>	-Ostri Rt.	42° 23.6' N 18° 32.2' E	L.Fl.(2)W. period 10s fl. 2s, ec. 2s fl. 2s, ec. 4s	240 73	12	Red metal pyramidal framework structure; 7.	
					*		* 11/03

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
5444 <i>C 2396</i>	-Central harbor Range, W. front.						<i>Remove from list.</i>
							* 11/03
5448 <i>C 2396.1</i>	--Rear, 775 meters 201°30' from front.						<i>Remove from list.</i>
							* 11/03
6256 <i>C 2717.1</i>	--Rear, 104 meters 001°54' from front.	53° 49.8' N 14° 36.2' E	F.W.	79 24	5	Red framework tower.	
	*					*	11/03
6389.1 <i>C 2738.51</i>	--Rear, 486 meters 312°36' from front.	53° 33.9' N 14° 35.1' E	Oc.R. period 10s lt. 7.5s, ec. 2.5s	197 60	14	Orange and white metal tower.	Synchronized with front.
	*		*				* 11/03
6432 <i>C 2747</i>	--Common rear, 624 meters 132°36' from Ina N., front; about 846 meters 018° from Ina S., front.	53° 32.0' N 14° 38.6' E	Oc.W. period 8s lt. 5s, ec. 3s	85 26	5	Black and white tower.	Common rear light for Ina N. and Ina S. range.
	*		*			*	11/03
8428 <i>C 6866</i>	Norra Fallbadan.	58° 26.0' N 17° 06.0' E	Fl.(3)W.R.G. period 9s	52 16	W. 9 R. 7 G. 6	Black tower, yellow band. white lantern, gray base; 56.	G. 108°30'-114°30', W.-116°, R.-122°, G. (unintensified)- 180°, R. (unintensified)-240°, R.-245°, G.-253°, W.-315°, R.- 333°30'. Radar reflector.
					*		11/03

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CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2002 EDITION

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8536 <i>C 6870</i>	-Sodra Lunda.						<i>Remove from list.</i>
							* 11/03
8539 <i>C 6853</i>	-Karthallan.						<i>Remove from list.</i>
							* 11/03
8574 <i>C 6856.4</i>	-Bjorno Range, front.	58° 33.1' N 16° 50.7' E	F.R.	21 6	4	Mast, orange triangular daymark.	Occasional.
							* 11/03
8574.1 <i>C 6856.41</i>	-Rear, 200 meters from front.	58° 33.0' N 16° 50.7' E	F.R.	36 11	4	Mast, orange triangular daymark.	Occasional.
							* 11/03
8592	-Vivstagrund.						<i>Remove from list.</i>
							* 11/03
OXELOSUND:							
8704 <i>C 6820</i>	-Ljungskar, SW. side.	58° 39.1' N 17° 07.9' E	Fl.(4)W.R.G. period 12s	23 7	W. 14 R. 10 G. 9	White tower, concrete base; 20. Floodlit.	G. shore-323°, W.-327°, R.-346°, G.-017°30', W.-022°30', R.-035°, G.-050°, R.-071°, G.-134°30', W.-142°, R.-shore.
						* *	11/03
8742 <i>C 6803</i>	-Norra Lillhammarsgrund Range, front.	58° 40.4' N 17° 19.4' E	Iso.W.R.G. period 4s	33 10	W. 8 R. 6 G. 5	Round column, red and yellow stripes, concrete base.	W. 297°48'-304°, R.-315°, G.-297°48'.
			*		*		* 11/03
12052 <i>C 3386</i>	Pape.	56° 10.0' N 21° 01.0' E	Fl.W. period 3.5s fl. 1.5s, ec. 2s	85 26	14	White iron framework tower; 72.	Visible 340°-165°.
							* 11/03
12056 <i>C 3390</i>	Bernati.	56° 23.0' N 21° 00.0' E	Iso.W. period 4s	135 41	15	Quadrangular iron framework tower platform, upper part yellow; 69.	
							* 11/03
12140 <i>C 3448</i>	Uzava.	57° 12.5' N 21° 25.1' E	Fl.(2)W. period 10s fl. 1.5s, ec. 2.5s fl. 1.5s, ec. 4.5s	143 44	15	White round stone tower, red dwelling; 62.	Visible 340°-198°.
	*		*		*		* 11/03
12192 <i>C 3470</i>	Ovisi.	57° 34.5' N 21° 43.3' E	L.FL.W. period 7.5s fl. 3s, ec. 4.5s	125 38	15	White round stone tower; 109.	Visible 010°-223°.
	RACON		W(•--) period 120s		9		Azimuth coverage 050°-220°.
	*			*	*		* 11/03

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CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2002 EDITION

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12248 <i>C 3501</i>	Engure.	57° 10.3' N 23° 14.1' E	Fl.(2)W. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	85 26	15	Red and white framework tower; 62.	Shown April 4 to Jan. 30.
							* 11/03
14856 <i>C 5052</i>	Ronnharun.						<i>Remove from list.</i>
							* 11/03

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SECTION II

NM 11/03

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 11/03

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.
NIMA HYDRO CATALOG CATP2V01U			SDPUB154	2002	17*,19,31,42,44,45,46,48,50/02:3/03	COMDTM165026	2002	35*,36,40,41,42,43,44,45,46,47,48,49,50,51,52/02:1,2,4,5,6,7,8,9,10,11/03
Region 1	2002	1*,2,3,4,7,8,9,10,11/03	SDPUB155	2001	31*,48/01:10,45,46/02	COMDTM165027	2002	16*,17,18,19,20,21,22,23,25,27,29,30,32,33,34,36,37,40,43,45,46,47,48,50,51,52/02:1,4,6/03
Region 2	2002	1*,8/03	SDPUB157	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			
Region 3	2002	1/03*	SDPUB158	2000	50/00*:5,10,12,13,15,17,20,24/01:46/02	FLEET GUIDES		
Region 4	2002	1/03*	SDPUB159	2002	42*,48/02	FGPUB940ATL	2001	N47/01*
Region 5	2002	1*,3,5,8/03	SDPUB160	2002	47*,48,49,52/02:6,8,10,11/03	FGPUB941PAC	2001	N22/01*
Region 6	2002	1*,10,11/03	SDPUB161	2002	23*,24,44,47,48/02:5/03	NOS MISCELLANEOUS PUBLICATIONS		
Region 7	2002	1*,11/03	SDPUB162	2001	51/01*:5/03	NOSPBCATALOG1	2000	20/00*
Region 8	2002	1/03*	SDPUB163	2002	18*,20,21,26,46,51/02	NOSPBCATALOG2	2000	34/00*
Region 9	2002	1/03*	SDPUB164	2000	30/00*:31,35,36/01:8/03	NOSPBCATALOG3	2000	28/00*
Miscellaneous Charts and Publications	2002	1*,2,4,5,6,7,9,11/03	SDPUB164	2000	30/00*:31,35,36/01:8/03	NOSPBCATALOG4	2000	34/00*
			SDPUB171	2001	40*,47,48,52/01:5,9,14,16,41/02	ALMANACS		
NIMA LIST OF LIGHTS			SDPUB172	2001	1*,2,3,5,6,7,8,9,14,15,16,17,18,19,20,22,24/02:1,11/03	AIRALMANAC301	2003	44/02*
LLPUB110	2003	7*,8,9,11/03	SDPUB173	2002	50*,51/02:3/03	NAUTALMANAC03	2003	44/02*
LLPUB111	2002	35*,36,37,38,39,40,41,42,43,44,45,46,47,48,50,51,52/02:1,2,3,4,5,6,7,8,9,10,10/03	SDPUB174	2000	7*,19,37,45,51,52/01:1,5,14,19,22,28,33,37,38,48/02	COAST PILOT		
LLPUB112	2003	4*,5,6,7,8,9,10,11/03	SDPUB175	2001	41*,43,45,51/01:8,11,12,13,14,16,17,21,27,37,41,49/02	NOSPBCP1	32	37*,39,41,47,51/01:1,5,7,13,18,33,37,39,42,45,49,51/02:3,9,10/03
LLPUB113	2002	45*,47,48,50,51,52/02:1,2,3,4,5,6,7,8,10,11/03	SDPUB180	2002	32*,33,42,47,48,50/02:6/03	NOSPBCP2	31	44*,47,51,52/01:5,7,12,13,18,23,33,37,39,42,45,48,51/02:3,6,11/03
LLPUB114	2002	13*,15,16,17,19,20,21,22,23,24,31,32,34,35,36,38,39,40,41,43,45,46,47,48,49,51/02:1,4,5,6/03	SDPUB181	2002	38*,39/02	NOSPBCP3	35	3*,5,7,12,15,17,18,21,22,27,28,33,37,42,45,49,51/02:3,10/03
LLPUB115	2002	39*,40,41,44,45,50,51,52/02:1/03	SDPUB182	2001	8*,10,12,41/02	NOSPBCP4	34	49*,51/02
LLPUB116	2002	18*,20,21,22,24,25,26,27,29,31,34,37,41,42,44,45,46,47,48,49,50,52/02:1,2,4,5,6,7,8,9,10,11/03	SDPUB183	2001	27/01*:13,15,16/02	NOSPBCP5	30	2*,6,10/03
			SDPUB182	2001	8*,10,12,41/02	NOSPBCP6	32	19*,20,21,33,39,45,47,49,51/02:3,6/03
			SDPUB191	2000	5*,7,8,9,10,11,12,13,14,15,16,17,18,19,20,22,23,27,28,29,30,31,33,34,36,44,45,47,48/01:10,14,15,16,17,42,50/02:2,9/03	NOSPBCP7	34	1*,3,10/03
SAILING DIRECTIONS			SDPUB192	2000	14*,16,17,18,24,26,31,36,38,39,46/00:4,14,17,21,22,23,25,26,28,30,31,32/01:11,12,13,14,15,16,22,23,27,36,37,42,48,52/02:2,4,5,6,7,8/03	NOSPBCP8	24	3*,5,16,17,19,23,33,37,40,47,50,51/02:9/03
CDPUBSD131	2002	9/03*	SDPUB193	2000	27*,38,49/00:9,26,27,31,32/01:14,15,26,52/02	NOSPBCP9	20	12*,20,23,33,37,45,50,51/02:3,6,9,10/03
CDPUBSD146	2002	4/03*	SDPUB195	2002	33*,40,49,51,52/02:1,2,3/03	RADIO NAVIGATIONAL AIDS		
CDPUBSD194	2002	6*/8/03	SDPUB200	2002	38*,39,42/02	RAPUB117	2002	50/02*
SDPUB120	2001	12*,18,48,49,51/01:8,13,14,21,22,24,29,33,35,37,42,43,44,45,47/02:4,6,7,8,9,10,11/03	USCG LIGHT LIST VOLUMES I - VII			AMERICAN PRACTICAL NAVIGATOR		
SDPUB123	2001	45*,47,48/01:1,14,17,18,19/02	COMDTM165021	2002	30*,31,32,33,34,35,36,37,39,40,41,42,43,44,45,46,47,48,49,50,51,52/02:1,2,4,5,6,7,8,9,11/03	NVPUB9	2002	36/02*
SDPUB124	2001	18*,44,45,47,48,49,52/01:17,19,20,21,29,30,31,34,46,50/02	COMDTM165022	2002	16*,17,18,19,20,21,22,23,25,26,27,28,29,30,31,32,33,34,35,36,37,40,41,42,43,44,45,46,47,48,49,50,51,52/02:1,2,3,4,5,6,7,8,9,10,11/03	INTERNATIONAL CODE OF SIGNALS		
SDPUB125	2000	6*,9,10,20,21,40/00:36,37,45,46/01:14,17,33,35,38,40/02	COMDTM165024	2002	30*,31,32,33,34,35,36,37,40,41,42,43,45,46,47,48,49,50,51,52/02:1,2,3,4,5,6,7,9,10,11/03	NVPUB102	1999	46/99*:52/01
SDPUB126	2002	39*,41,42,43,44,45,48/02	COMDTM165025	2002	16/02*	WORLD PORT INDEX		
SDPUB127	2000	37*,38/00:18,33,40,44,45,48,49,52/01:1,11,13,17,18,27,33,34,37,41,47,49,51/02:5/03				NVPUB150	2000	50/00*:14,15,16,20,21,41,42,43,44,45,46,47,48,49,51,52/01:1,2,5,6,10,11,12,16,19,21,22,27,31,32,33,36,39,40,42,46,49/02:2,7,10/03
SDPUB132	2000	39*,45/00:16,17,31,35/01:1,12,21,25,26/02:2,10/03				DISTANCES BETWEEN PORTS		
SDPUB140	2001	21*,48,49,51/01:8,17,23,32,42,43,44,46,47,48,50/02:4,6,7,8,9,11/03				NVPUB151	2001	4/02*
SDPUB141	2001	21*,38/01				RADAR NAVIGATION AND MANEUVERING BOARD MANUAL		
SDPUB142	2000	49/00*:3,31,35/01:1,15,43/02				CDPUBNV1310	2001	51/01*
SDPUB143	2000	8*,10,19,29/00:16,26/01:1,25/02:9/03				SIGHT REDUCTION TABLES (MARINE)		
SDPUB145	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				SRPUB229V1	1970	11/71*
SDPUB147	2001	35/01*:21,22,23,24/02				SRPUB229V2	1970	11/71*
SDPUB148	2001	48/01*:23,24/02				SRPUB229V3	1970	7/71*
SDPUB153	2000	6/01*:28,30,41,44,46,47,48,52/02:1,3,4,8/03				SRPUB229V4	1970	3/71*
						SRPUB229V5	1970	3/71*
						SRPUB229V6	1970	23/70*

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 11/03**

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

NIMA Reference No.	Ed.	Notice to Mariners No.
SIGHT REDUCTION TABLES (AIR)		
SRPUB249V1	2000	4/01*
SRPUB249V2	1952	46/52*
SRPUB249V3	1952	46/52*
CHART NO. 1		
WOBZC1	1997	18/98*
CHART NO. 4		
WOBZC4	1988	N20/89*
ATLAS OF PILOT CHARTS		
NVPUB107	1998	30/99*
NVPUB109	2001	49/02*
USCG NAVIGATION RULES		
COMDTM166722D	1999	44/99*;52/00
NOS TIDE TABLES		
NOSPBTTCWPACIN3	2003	N4/03*
NOSPBTTECSTNSA3	2003	N4/03*
NOSPBTTEURAFR3	2003	N4/03*
NOSPBTTCSTNSA3	2003	N4/03*
TIDAL CURRENT TABLES		
NOSPBTCTATCSTN3	2003	N4/03*
NOSPBTCTPACAS3	2003	N4/03*

BROADCAST WARNINGS

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

NAVAREA IV

Messages in force 261200Z February 2003:

2001 series	219(GEN)	365(14)	2003 series	79(11,26)
393(GEN)	346(GEN)	468(GEN)	52(11)	81(GEN)
2002 series	351(11)	487(11)	71(GEN)	83(GEN)

The summary of all NAVAREA IV messages in force as of 12 December 2002 is given in Section III of NM 52/02.

NAVAREA IV WARNINGS issued from 201200Z to 261200Z February 2003.

79/03(11,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:

A. 0500Z TO 0459Z COMMENCING DAILY 24 FEB THRU 02 MAR 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 24 FEB THRU 02 MAR IN AREA BETWEEN 29-20.0N 29-10.0N AND 079-50.0W 079-40.0W.

C. 1300Z TO 0459Z COMMENCING DAILY 25 AND 27 FEB IN AREA BETWEEN 29-40.0N 29-50.0N AND 080-30.0W 080-40.0W.

D. 270030Z TO 270330Z FEB 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.

2. CANCEL THIS MSG 030559Z MAR.

(211415Z FEB 2003)

80/03. CANCELED.

81/03(GEN). GPS SATELLITE SYSTEM.

1. PRN 07 UNUSABLE 270345Z TO 271545Z FEB.

2. CANCEL THIS MSG 271645Z FEB.

(241600Z FEB 2003)

82/03. CANCELED.

83/03(GEN).

1. NAVAREA IV MESSAGES IN FORCE 261000Z FEB 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2003 SERIES: 52(11), 71(GEN), 79(11,26), 81(GEN).

2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.

3. CANCEL NAVAREA IV 78/03.

(261010Z FEB 2003)

SECTION III

NM 11/03

HYDROLANTS

Messages in force 261200Z February 2003:

2000 series	946(53)	41(37)	262(54)	383(57)	428(57)
1569(36)	1065(53)	65(53)	271(GEN)	390(22)	429(23,29)
2937(38)	1485(24)	67(37)	273(54)	392(55)	431(24)
3762(43)	2027(GEN)	76(54)	274(53)	393(55)	432(24)
4265(44)	2203(51)	123(52)	282(55)	398(25)	433(GEN)
2001 series	2354(53)	132(51)	298(GEN)	404(37)	434(24)
611(44)	2554(35)	139(53)	309(24)	405(53)	435(52)
1798(37)	2673(GEN)	150(54)	317(37)	408(35)	436(37)
2659(GEN)	2682(51)	154(54)	339(GEN)	416(24)	437(53)
2700(37)	2808(24)	180(23,57)	340(53)	419(24)	438(23,29)
2864(53)	2848(37)	181(57)	357(52)	420(24)	439(24)
3161(44)	2869(52)	196(52)	368(54)	421(37)	440(GEN)
2002 series	2882(54)	228(52,53)	369(51)	423(GEN)	441(35)
245(GEN)	2883(54)	229(53)	379(24)	425(52)	
246(GEN)	2003 series	234(37)	381(56)	426(53)	
383(53)	16(54)	239(53)	382(24,25)	427(56)	

The summary of all HYDROLANTS in force as of 12 December 2002 is given in Section III of NM 52/02.

HYDROLANT WARNINGS issued from 201200Z to 261200Z February 2003.

392/03(55). BLACK SEA. GUNNERY.

1. GUNNERY EXERCISES 0800Z TO 1500Z DAILY 25 AND 26 FEB
IN AREA BOUND BY 44-39.0N 032-11.5E,
44-48.4N 032-08.2E, 45-00.2N 032-14.2E,
44-52.2N 032-41.6E, 44-43.8N 032-52.2E,
44-34.8N 032-37.4E.
2. CANCEL THIS MSG 261600Z FEB.

(201300Z FEB 2003)

393/03(55). EASTERN MEDITERRANEAN SEA. GUNNERY.

1. GUNNERY EXERCISES 0500Z TO 1500Z DAILY 25 AND 27 FEB
IN AREA BOUND BY 31-56.0N 034-42.1E,
31-56.3N 034-40.8E, 31-53.1N 034-39.1E,
31-46.5N 033-34.4E, 32-07.8N 033-09.9E,
32-22.5N 033-14.9E, 32-01.5N 034-37.7E.
2. CANCEL THIS MSG 271600Z FEB.

(201325Z FEB 2003)

394/03 thru 397/03. CANCELED.

398/03(25). BRAZIL-EAST COAST.

1. UNDERWATER CABLE OPERATIONS IN PROGRESS UNTIL 10 MAR
BY CABLESHIP TYCO RESOLUTE ALONG TRACKLINE BETWEEN
21-05.6S 038-31.7W AND 20-16.7S 038-11.5W.
2. CANCEL THIS MSG 11 MAR.

(210655Z FEB 2003)

399/03 thru 403/03. CANCELED.

404/03(37). SOUTHERN NORTH SEA.

- PIPELAYING OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE BY
BARGE LORELAY VICINITY OF TRACKLINE JOINING
53-27.6N 001-43.8E, 53-31.4N 001-44.8E, 53-36.0N 001-50.3E,
53-36.8N 001-55.0E, 53-35.9N 002-36.2E, 53-34.7N 002-47.5E.

(210915Z FEB 2003)

405/03(53). SICILIA-EAST COAST.

1. DERELICT EIGHT METER VESSEL ADRIFT
VICINITY 37-22N 015-17E. REPORTS
TO ANY COASTAL RADIO STATION.
2. CANCEL THIS MSG 28 FEB.

(211345Z FEB 2003)

406/03 and 407/03. CANCELED.

408/03(35). SCOTLAND-NORTH COAST.

- UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE
BY M/V POLAR PRINCE WITH SUBMERSIBLE VICINITY
60-41.5N 002-32.6W. WIDE BERTH REQUESTED.

(212008Z FEB 2003)

409/03 thru 415/03. CANCELED.

416/03(24). BRAZIL-NORTH COAST.

1. DERELICT F/V ADRIFT IN 02-33.4S 033-44.0W.
2. CANCEL THIS MSG 02 MAR.

(230755Z FEB 2003)

417/03 and 418/03. CANCELED.

419/03(24). BRAZIL-SOUTH COAST.

- MAN OVERBOARD IN 30-24S 049-06W AT 231230Z FEB.
VESSELS IN VICINITY REQUESTED TO KEEP A
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS
TO ANY COASTAL RADIO STATION.

(232236Z FEB 2003)

420/03(24). BRAZIL-SOUTHEAST COAST.

- CHART 24160 (21ST ED).
RADIOBEACON AT CABO SAO TOME LIGHT 22-02.5S 041-03.2W INOPERATIVE.

(241140Z FEB 2003)

421/03(37). DOVER STRAIT.

- CHART 37120 (2ND ED).
SANDETTIE EAST BUOY 51-15N 002-03E UNLIT.

(241150Z FEB 2003)

422/03. CANCELED.

423/03(GEN). GPS SATELLITE SYSTEM.

1. PRN 07 UNUSABLE 270345Z TO 271545Z FEB.
2. CANCEL THIS MSG 271645Z FEB.

(241615Z FEB 2003)

424/03. CANCELED.

425/03(52). ALGERIA.

- CHART 52060 (16TH ED).
NEMOURS LIGHT 35-05.9N 001-52.3W UNRELIABLE.

(241830Z FEB 2003)

426/03(53). TYRRHENIAN SEA. GUNNERY.

1. GUNNERY EXERCISES 260700Z TO 261600Z FEB IN AREA
BOUND BY 39-48-24N 013-39-32E,
39-40-00N 014-30-00E, 39-06-00N 014-43-30E,
38-58-00N 014-44-00E, 38-57-00N 014-22-00E,
38-58-00N 013-48-00E, 39-05-28N 013-30-04E,
39-39-30N 013-30-02E, 39-48-24N 013-39-32E.
2. CANCEL THIS MSG 261700Z FEB.

(241945Z FEB 2003)

427/03(56). MEDITERRANEAN SEA. EGYPT.

- PIPELAYING OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE
IN AREA BETWEEN 32-00N 32-20N AND 030-55E 030-30E.

(242100Z FEB 2003)

428/03(57). SOUTH ATLANTIC. ICE.

1. NUMEROUS ICEBERGS REPORTED IN AREA BETWEEN
43-10S 42-29S AND 011-33W 013-11W.
2. CANCEL THIS MSG 03 MAR.

(242130Z FEB 2003)

429/03(23,29). SOUTH ATLANTIC. ICE.

1. ICEBERGS REPORTED ON 23 FEB IN:
 - A. A-38C, SEVEN MILES BY 11 MILES IN 60-18S 050-06W.
 - B. A-43B, 13 MILES BY 40 MILES IN 54-18S 039-06W.
 - C. A-43C, 24 MILES BY 41 MILES IN 58-30S 038-00W.
 - D. A-43G, NINE MILES BY 51 MILES IN 53-12S 038-00W.
 - E. A-43I, TWO MILES BY 12 MILES IN 56-42S 033-42W.
 - F. A-46, FOUR MILES BY 11 MILES IN 46-24S 059-30W.
 - G. A-47, NINE MILES BY 14 MILES IN 57-24S 048-42W.
 - H. B-09A, 15 MILES BY 22 MILES IN 52-06S 032-12W.
2. CANCEL THIS MSG 04 MAR.

(250250Z FEB 2003)

430/03. CANCELED.

- 431/03(24). BRAZIL-SOUTHEAST COAST.
 1. SEISMIC SURVEY IN PROGRESS UNTIL 280200Z FEB
 BY M/V CGG ALIZE TOWING EIGHT 7400 METER LONG
 CABLES IN AREA BOUND BY 20-00S 039-35W,
 20-00S 038-45W, 19-20S 039-00W,
 19-20S 039-30W. FIVE MILE BERTH REQUESTED.
 2. CANCEL HYDROLANT 403/03 AND 413/03(23).
 3. CANCEL THIS MSG 280300Z FEB. (250710Z FEB 2003)
- 432/03(24). BRAZIL-SOUTH COAST.
 1. SEISMIC SURVEY IN PROGRESS UNTIL 280200Z FEB
 BY M/V VERITAS VIKING I TOWING SIX 5400 METER
 LONG CABLES IN AREA BETWEEN 25-54S 26-30S
 AND 043-52W 044-15W. SIX MILE BERTH REQUESTED.
 2. CANCEL HYDROLANT 399/03.
 3. CANCEL THIS MSG 280300Z FEB. (250720Z FEB 2003)
- 433/03(GEN). FRANCE.
 THE AUTHORITIES OF FRANCE ADVISE THAT SINGLE-HULL OIL TANKERS,
 MORE THAN 15 YEARS OLD, CARRYING HEAVY FUEL, TAR, ASPHALTIC BITUMEN
 OR HEAVY CRUDE OIL ENTERING INTO THE ECONOMIC EXCLUSIVE ZONE,
 ARE SUBJECT TO 24 HOUR NOTIFICATION TO RELEVANT FRENCH MRCC
 (CORSEN, JOBOURG OR GRIS NEZ) AND ARE STRICTLY CONTROLLED. (251140Z FEB 2003)
- 434/03(24). BRAZIL-NORTH COAST.
 1. SEISMIC SURVEY 252300Z TO 282300Z FEB BY
 M/V CGG HARMATTAN TOWING SIX 6000 METER LONG
 CABLES IN AREA BOUND BY
 02-32.7S 038-55.5W, 02-49.5S 039-03.7W,
 03-04.0S 038-37.5W, 02-46.0S 038-28.6W.
 FOUR MILE BERTH REQUESTED.
 2. CANCEL HYDROLANT 418/03(37).
 3. CANCEL THIS MSG 010001Z MAR. (251400Z FEB 2003)
- 435/03(52). ALBORAN SEA. GUNNERY.
 1. GUNNERY EXERCISES 0600Z TO 2359Z DAILY
 02 THRU 17 MAR IN AREAS:
 A. BETWEEN 35-50N 35-30N AND 004-40W 004-20W.
 B. BETWEEN 35-50N 35-30N AND 004-00W 004-20W.
 C. BETWEEN 35-50N 35-30N AND 003-40W 004-00W.
 D. BETWEEN 35-50N 35-30N AND 003-30W 003-20W.
 E. BOUND BY 35-50N 004-50W, 35-50N 004-40W,
 35-30N 004-40W, 35-43N 004-50W.
 2. CANCEL THIS MSG 180059Z MAR. (251530Z FEB 2003)
- 436/03(37). NORTH SEA. ORDNANCE.
 CHART 37175 (2ND ED).
 UNEXPLODED ORDNANCE IN 53-36.7N 001-56.8E. (252000Z FEB 2003)
- 437/03(53). SICILIA-NORTH COAST.
 CHART 53181 (4TH ED).
 PUNTA LINGUA LIGHT 38-32.3N 014-52.3E UNLIT. (260035Z FEB 2003)
- 438/03(23,29). SOUTH ATLANTIC. ICE.
 1. ICEBERGS REPORTED:
 A. IN 47-15.8S 059-15.8W.
 B. IN 39-04.3S 055-33.5W.
 C. IN 38-42.4S 055-05.3W.
 D. IN 42-29.0S 056-44.0W.
 E. IN AREA BETWEEN 63-12.8S 63-18.3S
 AND 060-34.1W 060-42.0W.
 F. WITHIN 20 MILES OF 57-36.9S 043-48.9W.
 G. WITHIN 20 MILES OF 58-46.9S 047-24.5W.
 H. WITHIN 34 MILES OF 59-38.0S 050-10.0W.
 I. WITHIN 60 MILES OF 60-30.0S 053-00.0W.
 J. IN 49-36.0S 039-03.0W.
 K. IN 49-39.0S 039-11.0W.
 L. IN 49-09.4S 043-36.4W.
 M. IN 49-27.0S 035-01.0W.
 N. IN 49-22.0S 035-05.0W.
 O. IN AREA BETWEEN 49-18.0S 49-44.0S
 AND 033-54.0W 034-23.0W.
 P. IN AREA BETWEEN 49-10.0S 49-31.0S
 AND 024-58.0W 025-56.0W.
 Q. IN AREA BETWEEN 48-57.0S 49-20.0S

- AND 024-07.0W 024-30.0W
- R. IN AREA BETWEEN 49-13.0S 49.17.0S
- AND 023-28.0W 023-31.0W.
- 2. CANCEL HYDROLANT 430/03.
- 3. CANCEL THIS MSG 04 MAR.

(260255Z FEB 2003)

439/03(24). BRAZIL-EAST COAST.

- 1. SEISMIC SURVEY IN PROGRESS UNTIL 28 FEB BY
M/V RAMFORM EXPLORER TOWING EIGHT 6500 METER
LONG CABLES IN AREA BETWEEN 14-10S 14-51S
AND 038-41W 038-50.0W. FIVE MILE BERTH REQUESTED.
- 2. CANCEL THIS MSG 01 MAR.

(260620Z FEB 2003)

440/03(GEN).

- 1. HYDROLANT MESSAGES IN FORCE 261100Z FEB 2003. ONLY THOSE
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2003 SERIES: 123(52), 132(51), 139(53), 150(54), 154(54),
180(23,57), 181(57), 196(52), 228(52,53), 229(53), 234(37),
239(53), 262(54), 271(GEN), 273(54), 274(53), 282(55),
298(GEN), 309(24), 317(37), 339(GEN), 340(53), 357(52),
368(54), 369(51), 379(24), 381(56), 382(24,25), 383(57),
390(22), 392(55), 393(55), 398(25), 404(37), 405(53),
408(35), 416(24), 419(24), 420(24), 421(37), 423(GEN),
425(52), 426(53), 427(56), 428(57), 429(23,29), 431(24),
432(24), 433(GEN), 434(24), 435(52), 436(37), 437(53),
438(23,29), 439(24).
- 2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF
12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.
- 3. CANCEL HYDROLANT 1895/02, 35/03, 71/03, 111/03,
372/03, 410/03.

(261110Z FEB 2003)

441/03(35). SCOTLAND-WEST COAST.

- CHART 35016 (17TH ED).
- 1. DGPS STATION AT BUTT OF LEWIS LIGHT 58-31N 006-16W
UNUSABLE 261200Z TO 261400Z FEB.
- 2. CANCEL THIS MSG 261500Z FEB.

(261140Z FEB 2003)

SECTION III

NM 11/03

NAVAREA XII

Messages in force 261200Z February 2003:

2001 series	178(GEN)	2003 series	47(21)	52(GEN)
298(GEN)	260(GEN)	36(GEN)	49(17,18)	54(19)
2002 series	339(GEN)	46(18)	50(17,18)	55(GEN)

The summary of all NAVAREA XII messages in force as of 12 December 2002 is given in Section III of NM 52/02.

NAVAREA XII WARNINGS issued from 201200Z to 261200Z February 2003.

46/03(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 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 THE 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 41/03.

(201415Z FEB 2003)

47/03(21). NORTH PACIFIC.

1. DERELICT 32 FOOT F/V ABDIEL, WHITE AND RED HULL, ADRIFT VICINITY 06-47N 080-54W.
2. CANCEL THIS MSG 27 FEB.

(201510Z FEB 2003)

48/03. CANCELED.

49/03(17,18). NORTH PACIFIC. WASHINGTON.

1. LORAN-C STATION GEORGE, RATES 5990-Y AND 9940-W, OFF AIR 261500Z TO 270100Z FEB, ALTERNATE 271500Z TO 280100Z FEB.
2. CANCEL THIS MSG 280200Z FEB.

(211750Z FEB 2003)

50/03(17,18). NORTH PACIFIC. WASHINGTON.

1. LORAN-C STATION GEORGE, RATES 5990-Y AND 9940-W, OFF AIR 271500Z TO 280100Z FEB, ALTERNATE 281500Z FEB TO 010100Z MAR.
2. CANCEL THIS MSG 010200Z MAR.

(222340Z FEB 2003)

51/03. CANCELED.

52/03(GEN). GPS SATELLITE SYSTEM.

1. PRN 07 UNUSABLE 270345Z TO 271545Z FEB.
2. CANCEL THIS MSG 271645Z FEB.

(241645Z FEB 2003)

53/03. CANCELED.

54/03(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.
 - 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 21/03.

(250955Z FEB 2003)

55/03(GEN).

1. NAVAREA XII MESSAGES IN FORCE 100800Z FEB 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2003 SERIES: 36(GEN), 46(18), 47(21), 49(17,18), 50(17,18), 52(GEN), 54(19).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.
3. CANCEL NAVAREA XII 44/03.

(261020Z FEB 2003)

HYDROPACS

Messages in force 261200Z February 2003:

2000 series	1315(62)	74(63)	171(71,93)	268(62)	327(62)
597(73)	1661(GEN)	79(81)	177(71)	276(63)	328(97)
1557(94)	1765(71)	84(61)	181(95)	280(81)	332(62)
2001 series	1843(22)	86(81)	182(95)	281(97)	333(62)
1556(71)	1893(74)	97(81)	185(19)	296(62)	334(63)
1636(96)	2057(71,93)	100(29)	197(71)	298(63)	336(71)
1647(GEN)	2111(62)	109(29)	200(71,93)	301(75)	337(GEN)
1976(62)	2191(22)	111(97)	207(62)	302(22)	340(23,29)
2062(61)	2199(63)	124(62)	210(83)	303(81)	341(23,29)
2002 series	2277(GEN)	129(63)	213(61)	304(93)	342(63)
146(62)	2330(62)	133(93)	215(GEN)	305(62)	343(94,95)
196(61)	2339(63)	151(63)	221(81)	308(63)	344(94,95)
205(GEN)	2402(22)	159(94,95)	223(GEN)	309(74)	345(63)
206(GEN)	2432(22)	160(95)	225(63)	310(94,97)	346(94,97)
207(93)	2437(72)	161(94,95)	232(93)	311(81)	347(75)
352(73)	2465(63)	162(94,95)	234(83)	313(97)	348(73,74)
403(72,73)	2003 series	163(71)	237(81)	317(81)	349(GEN)
637(75)	3(63)	164(81,83)	250(81)	318(93)	
828(62)	41(62)	167(95)	251(81)	320(93)	
1078(72)	72(96)	170(81)	253(62)	326(96)	

The summary of all HYDROPACS in force as of 12 December 2002 is given in Section III of NM 52/02.

HYDROPAC WARNINGS issued from 201200Z to 261200Z February 2003.

309/03(74). AUSTRALIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY M/V VERITAS SEARCHER TOWING FOUR MILE LONG CABLE IN AREA BETWEEN 26-30S 27-30S AND 111-30E 113-00E.
2. CANCEL HYDROPAC 270/03(22) AND 307/03.

(201445Z FEB 2003)

310/03(94,97). NORTH PACIFIC.

- DISTRESS SIGNAL RECEIVED ON 406 MHZ FROM M/V PENDOLA, 16 PERSONS ON BOARD, IN 26-41N 132-30E. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO JAPAN COAST GUARD.

(201845Z FEB 2003)

311/03(81). NORTH PACIFIC. FEDERATED STATES OF MICRONESIA.

1. 19 FOOT VESSEL, FOUR PERSONS ON BOARD, REPORTED OVERDUE WENO TO NAMA SINCE 051000Z FEB. VESSEL BELIEVED TO BE WITHIN 100 MILES OF 06-54N 147-35E. 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 284/03.

(202255Z FEB 2003)

312/03. CANCELED.

313/03(97). NORTH PACIFIC.

1. DERELICT CAPSIZED VESSEL ADRIFT VICINITY 26-41.0N 132-22.4E AT 210335Z FEB.
2. CANCEL THIS MSG 28 FEB.

(211115Z FEB 2003)

314/03 thru 316/03. CANCELED.

317/03(81). NORTH PACIFIC.

- DISTRESS SIGNAL RECEIVED IN 03-54.2N 165-46.2E AT 211517Z FEB. 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.

(212321Z FEB 2003)

- 318/03(93). SOUTH CHINA SEA.
DISTRESS SIGNAL RECEIVED ON 121.5 MHZ IN 16-03.2N 109-32.5E
AT 220003Z FEB. VESSELS IN VICINITY REQUESTED TO
KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC HONG KONG, TELEX: 82952.
(220037Z FEB 2003)
- 319/03. CANCELED.
- 320/03(93). SOUTH CHINA SEA.
DISTRESS SIGNAL RECEIVED IN 09-28N 110-06E.
VESSELS IN VICINITY REQUESTED TO KEEP A
SHARP LOOKOUT, ASSIST IF POSSIBLE, REPORTS
TO SINGAPORE PORT OPERATIONS CONTROL CENTER,
TELEX: 20021, PHONE: 6226 5539, FAX: 6227 9971.
(220955Z FEB 2003)
- 321/03 thru 325/03. CANCELED.
- 326/03(96). SEA OF JAPAN. GUNNERY.
1. GUNNERY EXERCISES 280001Z TO 280300Z AND
280500Z TO 280800Z FEB IN AREAS:
A. BETWEEN 42-31N 42-40N AND 131-41E 131-57E.
B. BETWEEN 42-31.0N 42-38.5N AND 131-59.0E 132-15.0E.
C. BETWEEN 42-31.0N 42-38.5N AND 132-23.0E 132-35.0E.
D. BOUND BY 42-31.0N 132-35.0E, 42-38.5N 132-35.0E,
42-37.5N 132-49.0E, 42-31.0N 132-49.0E.
E. BETWEEN 42-20N 42-29N AND 131-41E 131-57E.
F. BETWEEN 42-20N 42-29N AND 131-59E 132-15E.
2. CANCEL THIS MSG 280900Z FEB.
(231015Z FEB 2003)
- 327/03(62). SOUTHERN RED SEA.
DISTRESS SIGNAL RECEIVED FROM M/V NEPTUNE, 22 PERSONS ON BOARD,
DISABLED AND ADRIFT AND IN NEED OF MEDICAL ASSISTANCE IN
14-19N 041-28E AT 231000Z FEB. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO JRCC STAVANGER.
(231108Z FEB 2003)
- 328/03(97). NORTH PACIFIC.
MAN OVERBOARD FROM F/V SAKAE MARU NO.8 IN 30-31N 168-44E
AT 231650Z FEB. VESSELS IN VICINITY REQUESTED TO
KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO JAPAN COAST GUARD.
(240224Z FEB 2003)
- 329/03 thru 331/03. CANCELED.
- 332/03(62). GULF OF SUEZ.
1. PIPELINE OPERATIONS IN PROGRESS UNTIL 24 MAR
BY BARGES VICINITY OF TRACKLINE BETWEEN
27-51.4N 033-42.8E AND 27-52.5N 033-41.3E.
WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 73/03.
3. CANCEL THIS MSG 25 MAR.
(241240Z FEB 2003)
- 333/03(62). GULF OF SUEZ.
1. PIPELINE OPERATIONS IN PROGRESS UNTIL 22 MAR
BY BARGES VICINITY OF TRACKLINE BETWEEN
28-06.0N 033-18.7E AND 28-11.3N 033-28.7E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 23 MAR.
(241250Z FEB 2003)
- 334/03(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 0130Z TO 1630Z DAILY 27 AND 28 FEB
WITHIN 60 MILES OF 15-50.5N 080-29.5E.
2. CANCEL THIS MSG 281730Z FEB.
(241430Z FEB 2003)
- 335/03. CANCELED.
- 336/03(71). STRAIT OF MALACCA. GUNNERY.
1. GUNNERY EXERCISES 0001Z TO 1601Z DAILY 01,
03 THRU 08, 10 THRU 15, 17 THRU 22, 24 THRU 29
AND 31 MAR IN AREA BOUND BY 04-33N 099-48E,
04-14N 100-17E, 04-53N 100-06E.
2. CANCEL THIS MSG 311701Z MAR.
(241540Z FEB 2003)

SECTION III

NM 11/03

337/03(GEN). GPS SATELLITE SYSTEM.

1. PRN 07 UNUSABLE 270345Z TO 271545Z FEB.
2. CANCEL THIS MSG 271645Z FEB.

(241650Z FEB 2003)

338/03 and 339/03. CANCELED.

340/03(23,29). SOUTH ATLANTIC. ICE.

1. ICEBERGS REPORTED ON 23 FEB IN:
 - A. A-38A, 22 MILES BY 48 MILES IN 62-24S 053-12W.
 - B. A-38B, 22 MILES BY 25 MILES IN 63-12S 051-18W.
 - C. A-38C, SEVEN MILES BY 11 MILES IN 60-18S 050-06W.
 - D. A-38D, TWO MILES BY TEN MILES IN 63-24S 052-30W.
 - E. A-43A, 14 MILES BY 35 MILES IN 67-18S 058-30W.
 - F. A-43F, 22 MILES BY 44 MILES IN 66-18S 059-24W.
 - G. A-43J, FIVE MILES BY 17 MILES IN 67-30S 060-24W.
 - H. A-48, NINE MILES BY TEN MILES IN 63-30S 053-12W.
 - I. A-49, ONE MILE BY TEN MILES IN 63-06S 052-00W.
 - J. A-50, ONE MILE BY TEN MILES IN 63-30S 053-06W.
 - K. A-51, TWO MILES BY 14 MILES IN 67-18S 060-30W.
 - L. A-52, EIGHT MILES BY 22 MILES IN 65-30S 060-42W.
2. CANCEL THIS MSG 04 MAR.

(250320Z FEB 2003)

341/03(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. 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 339/03(73,74), ASSISTANCE RECEIVED.
3. CANCEL THIS MSG 04 MAR.

(250355Z FEB 2003)

342/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 280330Z TO 281530Z FEB 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 281630Z FEB.

(250910Z FEB 2003)

343/03(94,95). YELLOW SEA. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1000Z DAILY 03 THRU 08, 10 THRU 15, 17 THRU 22 AND 24 THRU 29 MAR IN AREA BETWEEN 36-05N 36-35N AND 124-50E 125-42E.
2. CANCEL THIS MSG 291100Z MAR.

(250940Z FEB 2003)

344/03(94,95). YELLOW SEA. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1000Z DAILY 03 THRU 08, 10 THRU 15, 17 THRU 22 AND 24 THRU 29 MAR IN AREA BETWEEN 34-50N 35-15N AND 124-50E 125-42E.
2. CANCEL THIS MSG 291100Z MAR.

(250950Z FEB 2003)

345/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0230Z TO 1130Z DAILY 01 THRU 07 MAR WITHIN SIX MILES OF 14-01.0N 074-19.6E.
2. CANCEL THIS MSG 071230Z MAR.

(251110Z FEB 2003)

346/03(94,97). EAST CHINA SEA. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS 252200Z TO 261200Z FEB, ALTERNATE 262200Z TO 271200Z FEB WITHIN TEN MILES OF TRACKLINE BETWEEN 24-32N 126-00E AND 25-07N 126-39E.
2. CANCEL THIS MSG 271300Z FEB.

(251240Z FEB 2003)

347/03(75). AUSTRALIA-SOUTHEAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY M/V WESTERN MONARCH TOWING SEVEN 3 MILE LONG CABLES IN AREA BETWEEN 38-15S 39-00S AND 148-00E 149-00E. WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 312/03.

(252055Z FEB 2003)

348/03(73,74). PAPUA NEW GUINEA. CORAL SEA.

FOUR METER VESSEL, YELLOW HULL, ONE PERSON ON BOARD, OVERDUE
PORT MORESBY TO YULE ISLAND (08-50S 146-32E) OR
HOOD POINT (10-06S 147-44E). VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO
MRCC PORT MORESBY, PHONE: 675 321 1866, FAX: 675 321 4968.

(260720Z FEB 2003)

349/03(GEN).

1. HYDROPAC MESSAGES IN FORCE 261100Z FEB 2003. ONLY THOSE
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.

2003 SERIES: 72(96), 74(63), 79(81), 84(61), 86(81), 97(81),
100(29), 109(29), 111(97), 124(62), 129(63), 133(93), 151(63),
159(94.95), 160(95), 161(94.95), 162(94.95), 163(71), 164(81.83),
167(95), 170(81), 171(71.93), 177(71), 181(95), 182(95), 185(19),
197(71), 200(71.93), 207(62), 210(83), 213(61), 215(GEN),
221(81), 223(GEN), 225(63), 232(93), 234(83), 237(81), 250(81),
251(81), 253(62), 268(62), 276(63), 280(81), 281(97), 296(62),
298(63), 301(75), 302(22), 303(81), 304(93), 305(62), 308(63),
309(74), 310(94.97), 311(81), 313(97), 317(81), 318(93), 320(93),
326(96), 327(62), 328(97), 332(62), 333(62), 334(63), 336(71),
337(GEN), 340(23.29), 341(23.29), 342(63), 343(94.95),
344(94.95), 345(63), 346(94.97), 347(75), 348(73.74).

2. THE SUMMARY OF ALL HYDROPAC MESSAGES IN FORCE AS OF 12 DEC 2002
IS GIVEN IN SEC III OF NM 52/02.

3. CANCEL HYDROPAC 29/03, 37/03, 38/03, 57/03, 59/03, 70/03, 292/03.

(261120Z FEB 2003)

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), by referring to Section I (paragraph 50) of US Notice to Mariners 1/03 for those in-force as of 19 December 2002, 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 26 February 2003: 00-7, 01-1, 01-5, 01-7, 02-2, 02-5, 02-7 and 03-1.

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) or by referring to Section I (paragraph 7) of US Notice to Mariners 1/03 for those in-force as of 19 December 2002.

SPECIAL WARNINGS in force 26 February 2003: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119 and 120.

MARINE INFORMATION**UNITED STATES COAST GUARD NAVIGATION INFORMATION SERVICE**

The United States Coast Guard Navigation Information Service (NIS), operated by the USCG Navigation Center, provides information for all radionavigation systems. The NIS is staffed 24 hours a day, 7 days a week, providing information on the current operational status, effective policies, and general information for GPS, DGPS, and LORAN-C. The NIS also disseminates Safety Broadcasts (BNM), Local Notice to Mariners (LNM) and the latest Notice Advisory to Navstar Users (NANU). NANU notices can also be obtained via e-mail subscription through the USCG Navigation Center website (<http://www.navcen.uscg.gov/gps/default.htm>). In addition, the NIS investigates all reports of degraded or loss of GPS, DGPS or LORAN-C service. Mariners are encouraged to report all degradation of radionavigation services to the NIS via any of the following: Phone: 703-313-5900, Email: webmaster@navcen.uscg.mil, or on the World Wide Web at <http://www.navcen.uscg.gov>.

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.

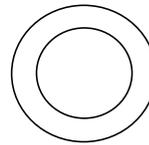
Reports which present an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. In general, these hazards would include major aids to navigation anomalies, discovery of obstructions or shoals with depths of less than 30 meters, floating dangers to shipping,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



**MARITIME SAFETY INFORMATION DIVISION
ST D44
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4600 SANGAMORE ROAD
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ARCTIC MARITIME SAFETY INFORMATION REPORT SHEET

Observer _____

Ship/Organization _____

Phone _____ Email Address _____

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

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

Date of Insertion _____ Date of Removal _____

If observed, Date _____ Time (Local) _____

Latitude _____ Longitude _____ Datum _____

Navigation System _____ Verified by Navigator: Yes _____ No _____

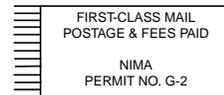
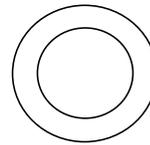
Sounding sensor or method used _____

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

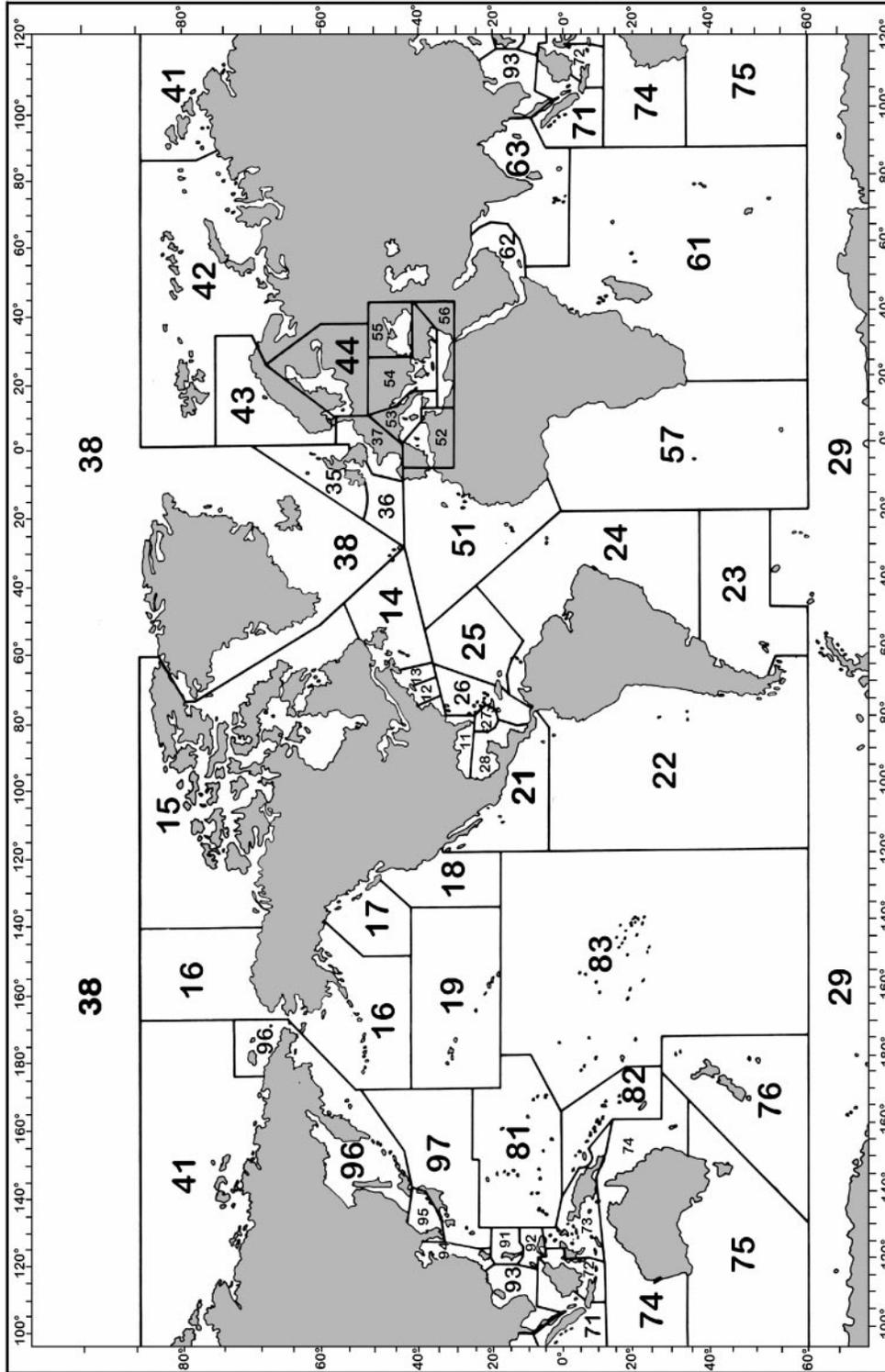
Details of Information Reported (continue on additional sheets as necessary): _____



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GEOGRAPHIC LOCATOR



For chart numbering purposes, the world is divided into nine regions, each corresponding to the geographic limits of one of the nine regions in the 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 Subregion number of the pertinent geographic area, and then turning to the page or pages that list the chart numbers beginning with those two digits.

AFTER 5 DAYS RETURN TO

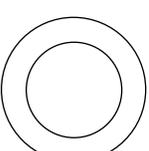
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**NOTICE TO
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