



No. 51



21 DECEMBER 2002

UNITED STATES OF AMERICA

# NOTICE TO MARINERS



Published Weekly by the  
National Imagery and Mapping Agency

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

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



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## IMPORTANT INFORMATION

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

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

For further information concerning NIMA hydrographic products and services, including the Maritime Safety Information Website, users may contact:

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

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

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

<b>Observer</b>	<b>Ship/Organization</b>
Peter Wilcox, Master	M/V ASTERIA
Second Officer Julien Pantin	USNS RAPPAHANNOCK

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

INFORMATION  
OF  
SPECIAL INTEREST  
OR  
IMPORTANCE  
TO  
MARINERS

**NM 51/02**

# HYDROGRAM

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

SPECIAL  
ANNOUNCEMENTS

NEW PRODUCTS  
OR SERVICES

IMPORTANT  
CHANGES

**21 December 2002**

## **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.

**SECTION I  
CHART CORRECTIONS**

**NM 51/02**

<b>540</b>	16Ed. 8/18/90	LAST NM 42/01	51/02	Dangerous wreck [K28] (PA)	28°48.1'N 90°38.7'W		
	Change	Light to Fl 9M	22°09'N 159°18'W	(43-46/02 CG8)			
	(41/02 CG14)						
<b>1116A</b>	Ed. 6/9/01	LAST NM 47/02	51/02	<b>★11344</b>	34Ed. 8/25/01	LAST NM 49/02	51/02
	Delete	Buoy	29°06.2'N 89°56.0'W	Add	Platform [L10]	29°17'16"N 92°59'52"W	
		Dangerous wreck (PA)	28°31.7'N 90°58.7'W		Platform [L10]	29°17'55"N 92°56'59"W	
		Platform	28°04.2'N 93°28.1'W		Note: Close E of existing platform		
		Note: Fish haven and buoy close W remain			(44, 46/02 CG8)		
		(See 42, 45/02-1116A)		<b>11345</b>	30Ed. 3/10/01	LAST NM 40/02	51/02
		Racon from platform	28°37.9'N 93°35.1'W	Add	Position circle "Pipe" [L23] (PA)	29°29.0'N 92°16.0'W	
					(45/02 CG8)		
	Substitute	Dashed-line circle "Obstn (Fish haven) (cov 14fms)" marked by buoy Y (Priv) for platform	28°05.9'N 93°28.6'W	<b>★11349</b>	40Ed. 7/02	LAST NM 42/02	51/02
				Add	Position circle "Pipe" [L23] (PA)	29°29'00"N 92°16'00"W	
					(45/02 CG8)		
	Add	Position circle "Pipes (3)" [L23] (PA)	28°02.0'N 94°17.0'W	<b>★11351</b>	37Ed. 5/12/01	LAST NM 47/02	51/02
		Dangerous wreck [K28] (PA)	29°37.0'N 94°03.0'W	Change	Legend to "13 FT BY 400 FT SEP 2002"	29°18'24"N 91°26'18"W	
		Position circle "Pipe" [L23] (PA)	29°29.0'N 92°16.0'W		Legend to "16 FT BY 400 FT SEP 2002"	29°23'41"N 91°21'57"W	
		Platform [L10]	28°31.8'N 91°45.9'W		(Supersedes 27, 37/02-11351)		
		Note: Close NE of existing platform		Add	Platform [L10]	29°14'27"N 91°23'31"W	
		Dangerous wreck [K28] (PA)	28°48.1'N 90°38.7'W		Platform [L10]	29°02'47"N 91°36'42"W	
		(43-46/02 CG8)			(NOS; 43, 44/02 CG8)		
<b>1117A</b>	Ed. 4/6/02	LAST NM 45/02	51/02	<b>11352</b>	35Ed. 10/27/01	LAST NM 40/02	51/02
	Add	Submerged well (cov 576fms) [L20]	26°47.3'N 95°54.8'W	Delete	Buoy	29°06.2'N 89°56.0'W	
		Position circle "Pipes (3)" [L23] (PA)	28°02.0'N 94°17.0'W		Change	Legend to "13 FT BY 400 FT SEP 2002"	29°16.1'N 91°28.7'W
		Dangerous wreck [K28] (PA)	29°37.0'N 94°03.0'W			Legend to "16 FT SEP 2002"	29°23.3'N 91°21.9'W
		(45, 46/02 CG8)				(See 27, 37/02-11352)	
<b>11004</b>	7Ed. 10/29/94	LAST NM 47/02	51/02		Note to		
	Add	Submerged well (cov 1054m) [L20]	26°47.3'N 95°54.8'W		"NOTE D		
		Position circle "Pipes (3)" [L23] (PA)	28°02.0'N 94°17.0'W		HOUMA NAVIGATION CANAL		
		Depth 25.5 meters with legend "Fish haven" enclosed by dashed-line circle	28°05.9'N 93°28.6'W		The controlling depth was 10 feet through Cat Island Pass; thence 11 feet from the entrance of the improved channel in Terrebonne Bay (29°06.0'N 90°34.5'W) to Bayou Petit Caillou; thence 14 feet to Bayou Grand Caillou; thence 11 feet to Bayou Pelton; thence 9 feet to the junction with the Intracoastal Waterway.		
		(43, 45, 46/02 CG8)			Apr. - Sep. 2002"		
					29°21.2'N 90°49.8'W		
<b>11009</b>	36Ed. 10/20/01	LAST NM 44/02	51/02		Note to		
	Delete	Buoy "4"	33°52.3'N 77°29.0'W		"NOTE F		
		(45/02 CG5)			BARATARIA WATERWAY		
<b>★11300</b>	38Ed. 4/6/02	LAST NM 45/02	51/02		The controlling depth was 13 feet across the bar channel; thence a depth of 4 feet to Lt. 19. From Lt. 19 to the entrance of the Bayou Rigolettes the controlling depth was 5 feet; thence 6 feet to the junction with the Intracoastal Waterway.		
	Add	Submerged well (cov 576fms) [L20]	26°47.3'N 95°54.8'W		Mar. - Aug. 2002"		
		Position circle "Pipes (3)" [L23] (PA)	28°02.0'N 94°17.0'W		29°39.9'N 90°01.9'W		
		Dangerous wreck [K28] (PA)	29°37.0'N 94°03.0'W		(NOS; 45/02 CG8)		
		(45, 46/02 CG8)					
<b>★11330</b>	13Ed. 4/21/01	LAST NM 43/02	51/02	<b>11354</b>	23Ed. 9/22/01	LAST NM 47/02	51/02
	Delete	Racon from platform	28°37.9'N 93°35.1'W	(Side A)	Change	Legend to "13 FT BY 400 FT SEP 2002"	29°18'28"N 91°26'13"W
		Dangerous wreck [K28] (PA)	29°37.0'N 94°03.0'W			Legend to "16 FT BY 400 FT SEP 2002"	29°23'36"N 91°22'00"W
		(43, 45/02 CG8)				(Supersedes 27, 37/02-11354)	
<b>★11332</b>	28Ed. 8/02	LAST NM 49/02	51/02	Add	Platform [L10]	29°14'27"N 91°23'31"W	
	Add	Dangerous wreck [K28] (PA)	29°37'00"N 94°03'00"W		(NOS; 44/02 CG8)		
		(45/02 CG8)					
<b>★11340</b>	66Ed. 6/9/01	LAST NM 47/02	51/02				
	Delete	Buoy	29°06.2'N 89°56.0'W				
		Dangerous wreck (PA)	28°31.7'N 90°58.7'W				
		Platform	28°04.2'N 93°28.1'W				
		Note: Fish haven and buoy close W remain					
		(See 42, 45/02-11340)					
		Racon from platform	28°37.9'N 93°35.1'W				
	Substitute	Dashed-line circle "Obstn (Fish haven) (cov 14fms)" marked by buoy Y (Priv) for platform	28°05.9'N 93°28.6'W				
	Add	Position circle "Pipes (3)" [L23] (PA)	28°02.0'N 94°17.0'W				
		Dangerous wreck [K28] (PA)	29°37.0'N 94°03.0'W				
		Position circle "Pipe" [L23] (PA)	29°29.0'N 92°16.0'W				
		Platform [L10]	28°31.8'N 91°45.9'W				
		Note: Close NE of existing platform					

**11355** 24Ed. 6/02 LAST NM 40/02 51/02  
 (Side A)  
 Change Note in left upper margin of chart to  
 "NOTE C  
 HOUMA NAVIGATION CANAL  
 The controlling depth was 10 feet through Cat  
 Island Pass; thence 11 feet from the entrance of  
 the improved channel in Terrebonne Bay  
 (29°06'00"N 90°34'30"W) to Bayou Petit  
 Caillou; thence 14 feet to Bayou Grand  
 Caillou; thence 11 feet to Bayou Pelton; thence  
 9 feet to the junction with the Intracoastal  
 Waterway.  
 Apr. - Sep. 2002"  
 (See 37/02-11355)  
 (NOS)

**11356** 34Ed. 8/4/01 LAST NM 47/02 51/02  
 Add Platform [L10] 29°14'27"N 91°23'31"W  
 (44/02 CG8)

★**11357** 35Ed. 6/02 LAST NM 42/02 51/02  
 Change Note to  
 "NOTE C  
 HOUMA NAVIGATION CANAL  
 The controlling depth was 10 feet through Cat  
 Island Pass; thence 11 feet from the entrance of  
 the improved channel in Terrebonne Bay  
 (29°06'00"N 90°34'30"W) to Bayou Petit  
 Caillou; thence 14 feet to Bayou Grand  
 Caillou; thence 11 feet to Bayou Pelton; thence  
 9 feet to the junction with the Intracoastal  
 Waterway.  
 Apr. - Sep. 2002"  
 29°19'15"N 90°47'39"W  
 (Supersedes 37/02-11357)  
 Add Dangerous wreck [K28] (PA) 28°48'03"N 90°38'41"W  
 (NOS; 44/02 CG8)

★**11358** 51Ed. 3/30/02 LAST NM 42/02 51/02  
 Delete Buoy 29°06'11"N 89°55'59"W  
 Change Note to  
 "NOTE E  
 BARATARIA WATERWAY  
 The controlling depth was 13 feet across the bar  
 channel; thence a depth of 4 feet to Lt. 19.  
 From Lt. 19 to the entrance of the Bayou  
 Rigolettes the controlling depth was 5 feet;  
 thence 6 feet to the junction with the  
 Intracoastal Waterway.  
 Mar. - Aug. 2002"  
 29°29'24"N 89°58'36"W  
 (NOS; 45/02 CG8)

★**11361** 69Ed. 1/5/02 LAST NM 45/02 51/02  
 Relocate Range light, rear from  
 28°54'54"N 89°25'55"W to 28°54'47"N 89°25'55"W  
 Note: Range bearing unchanged  
 Add Platform [L10] 29°19'34"N 88°52'37"W  
 Dangerous wreck [K28] (PA) 28°59'24"N 89°08'18"W  
 Add (Inset South Pass)  
 Dangerous wreck [K28] (PA) 28°59'24.0"N 89°08'18.0"W  
 Relocate (Inset Southwest Pass)  
 Range light, rear from  
 28°54'53.5"N 89°25'55.2"W to 28°54'46.7"N 89°25'55.2"W  
 Note: Range bearing unchanged  
 (44, 46/02 CG8)

**11363** 38Ed. 3/30/02 LAST NM 49/02 51/02  
 Add Platform [L10] 29°19'34"N 88°52'37"W  
 (46/02 CG8)

**11365** 16Ed. 10/27/01 LAST NM 42/02 51/02  
 (Side A)  
 Change Note to  
 "NOTE C  
 BARATARIA WATERWAY  
 The controlling depth was 13 feet across the bar  
 channel; thence a depth of 4 feet to Lt. 19.  
 From Lt. 19 to the entrance of the Bayou  
 Rigolettes the controlling depth was 5 feet;  
 thence 6 feet to the junction with the  
 Intracoastal Waterway.  
 Mar. - Aug. 2002"  
 29°37'00"N 90°04'00"W  
 (NOS)

**11366** 7Ed. 9/02 LAST NM 48/02 51/02  
 Delete Buoy 29°06.2'N 89°56.0'W  
 (45/02 CG8)

★**11370** 23Ed. 9/22/01 LAST NM 40/02 51/02  
 (Side A)  
 Delete Light "BONNET...(128.0)" 29°59'56.2"N 90°26'33.6"W  
 Note: Position circle "BONNET...GAGE"  
 remains  
 (45/02 CG8)

**11472** 30Ed. 7/14/01 LAST NM 30/02 51/02  
 (Side A, Inset 1)  
 Delete Range lights (2) and range line between  
 27°28'20"N 80°17'42"W  
 27°28'12"N 80°17'58"W  
 (36, 46/02 CG7)

★**11475** 16Ed. 2/26/00 LAST NM 27/02 51/02  
 Delete Range lights (2) and range line between  
 27°28'20.2"N 80°17'41.8"W  
 27°28'12.2"N 80°17'58.0"W  
 (36, 46/02 CG7)

**11520** 40Ed. 6/02 LAST NM 46/02 51/02  
 Delete Buoy "4" 33°51.7'N 77°29.1'W  
 (45/02 CG5)

**11525** 6Ed. 9/23/00 LAST NM N46/02 N51/02  
 Delete Buoy "4" 33°52.2'N 77°29.1'W  
 (45/02 CG5)

★**11539** 18Ed. 7/14/01 LAST NM 44/02 51/02  
 Delete Buoy "4" 33°51'54"N 77°28'52"W  
 (45/02 CG5)

★**12210** 35Ed. 4/6/02 LAST NM 43/02 51/02  
 Add Ball topmark to buoy "Q" 37°28'07"N 75°36'04"W  
 Ball topmark to buoy "CI" 37°50'33"N 75°24'38"W  
 (See 28/02-12210)  
 (45/02 CG5)

**12211** 40Ed. 2/2/02 LAST NM 28/02 51/02  
 Add Ball topmark to buoy "CI" 37°50'33"N 75°24'38"W  
 (See 28/02-12211)  
 (45/02 CG5)

**12364** 33Ed. 2/16/02 LAST NM 49/02 51/02  
 (Page E)  
 Relocate Buoy "9" from 40°50'25"N 73°39'29"W to  
 40°50'25"N 73°39'30"W  
 (44/02 CG1)

★**12366** 27Ed. 4/15/00 LAST NM 14/02 51/02  
 Relocate Buoy "9" from 40°50'25.1"N 73°39'26.7"W to  
 40°50'24.6"N 73°39'29.9"W  
 (44/02 CG1)

**12318** 38Ed. 3/10/01 LAST NM 45/02 51/02  
 Relocate Beacon "3" from 41°29'33"N 71°04'34"W to  
 41°29'32"N 71°04'26"W  
 (44/02 CG1)

## SECTION I

NM 51/02

- ★13221 53Ed. 7/21/01 LAST NM 44/02 51/02  
Relocate Buoy "NB" from 41°23'01"N 71°23'19"W to  
41°23'00"N 71°23'21"W  
(See 29/02-13221)  
(44/02 CG1)
- ★13228 11Ed. 5/17/97 LAST NM 33/00 51/02  
Relocate Beacon "3" from 41°29'32.5"N 71°04'34.0"W  
to 41°29'32.1"N 71°04'26.1"W  
(44/02 CG1)
- ★13253 17Ed. 10/28/00 LAST NM 26/02 51/02  
Relocate Buoy "2A" from 41°59'17.7"N 70°39'01.3"W  
to 41°59'15.4"N 70°39'03.1"W  
(45/02 CG1)
- 13288 40Ed. 2/2/02 LAST NM 50/02 51/02  
Relocate Buoy "9" from 43°55'38"N 69°26'57"W to  
43°55'47"N 69°26'59"W  
(45/02 CG1)
- ★13290 34Ed. 2/24/01 LAST NM 50/02 51/02  
Relocate Buoy "3" from 43°42'59"N 69°57'33"W to  
43°43'01"N 69°57'37"W  
(45/02 CG1)
- ★13293 33Ed. 4/13/02 LAST NM 43/02 51/02  
Relocate Buoy "BL" from 43°49'18"N 69°38'25"W to  
43°49'17"N 69°38'24"W  
(45/02 CG1)
- ★13301 20Ed. 3/1/97 LAST NM 33/02 51/02  
Relocate Buoy "9" from 43°55'42"N 69°27'00"W to  
43°55'47"N 69°26'59"W  
(45/02 CG1)
- 14830 29Ed. 6/23/01 LAST NM 39/02 51/02  
Change Light to "8" Fl R 4s 27ft 5 St M 41°24.0'N 82°32.9'W  
Light to "7" Fl G 2.5s 25ft 4 St M 41°23.9'N 82°32.9'W  
(33/02 CG9)
- ★14843 22Ed. 6/6/92 LAST NM 39/02 51/02  
Change Light to "8" Fl R 4s 27ft 5 St M 41°23'57"N 82°32'56"W  
Light to "7" Fl G 2.5s 25ft 4 St M 41°23'55"N 82°32'54"W  
(33/02 CG9)
- ★14885 20Ed. 7/21/01 LAST NM 41/01 51/02  
Relocate Buoy "1" from 45°56'56.0"N 84°17'06.0"W to  
45°56'52.8"N 84°17'06.3"W  
(34/02 CG9)
- ★14922 19Ed. 3/23/02 LAST NM 26/02 51/02  
(Inset Manitowoc)  
Change Visibility (range) of light to 15 St M  
44°05'33.9"N 87°38'37.9"W  
(34/02 CG9)
- 14963 20Ed. 3/2/96 LAST NM 21/01 51/02  
Change Visibility (range) of light to 12 St M 46°32.0'N 87°22.5'W  
(33/02 CG9)
- ★14970 25Ed. 3/19/94 LAST NM 46/02 51/02  
Change Visibility (range) of light to 12 St M  
46°32'01"N 87°22'30"W  
(33/02 CG9)
- 16760 10Ed. 11/18/00 LAST NM 43/01 51/02  
Change Obscured sector of light to 090°-289°  
58°09.2'N 136°23.1'W  
(46/02 CG17)
- 17300 29Ed. 10/13/01 LAST NM 46/02 51/02  
Change Obscured sector of light to 090°-289°  
58°09.2'N 136°23.1'W  
(46/02 CG17)
- ★17302 18Ed. 3/2/02 LAST NM 21/02 51/02  
Change Obscured sector of light to 090°-289°  
58°09'13"N 136°23'05"W  
(46/02 CG17)
- 19002 9Ed. 3/1/97 LAST NM N37/02 N51/02  
Relocate Buoy (FAD) "D" from 19°38.1'N 154°39.5'W  
to 19°37.6'N 154°46.9'W  
(See N23/02-19002)  
Change Light to Fl 9M 22°08.8'N 159°17.7'W  
(41, 44/02 CG14)
- 19004 36Ed. 8/25/01 LAST NM 37/02 51/02  
Relocate Buoy (FAD) "D" from 19°38.1'N 154°39.5'W  
to 19°37.6'N 154°46.9'W  
(See 23/02-19004)  
Change Light to Fl 6s 9M 22°08.8'N 159°17.7'W  
(41, 44/02 CG14)
- 19007 16Ed. 2/12/94 LAST NM 42/01 51/02  
Change Light to Fl 6s 40ft 9M 22°09'N 159°18'W  
(41/02 CG14)
- 19010 17Ed. 8/02 LAST NM 45/02 51/02  
Relocate Buoy (FAD) "D" from 19°38.1'N 154°39.5'W  
to 19°37.6'N 154°46.9'W  
(44/02 CG14)
- 19013 16Ed. 1/25/97 LAST NM 25/02 51/02  
Change Light to Fl 6s 40ft 9M 22°08.8'N 159°17.7'W  
(41/02 CG14)
- ★19320 16Ed. 12/14/96 LAST NM 37/02 51/02  
Relocate Buoy (FAD) "D" from 19°38.1'N 154°39.5'W  
to 19°37.6'N 154°46.9'W  
(See 23/02-19320)  
(44/02 CG14)
- 19339 1Ed. 7/19/97 LAST NM N49/02 N51/02  
Add Buoy "B" Y, Fl Y 2.5s 21°29.0'N 157°44.0'W  
Buoy "C" Y, Fl Y 4s 21°28.8'N 157°42.8'W  
Buoy "D" Y, Fl Y 2.5s 21°28.0'N 157°41.9'W  
(41/02 CG14)
- 19340 26Ed. 12/2/00 LAST NM 49/02 51/02  
Add Buoy "B" Y, Fl Y 2.5s 21°29.0'N 157°44.0'W  
Buoy "C" Y, Fl Y 4s 21°28.8'N 157°42.8'W  
Buoy "D" Y, Fl Y 2.5s 21°28.0'N 157°41.9'W  
(41/02 CG14)
- ★19357 22Ed. 8/02 LAST NM 49/02 51/02  
Change Characteristic of buoy to Fl Y 6s 21°22'04"N 158°08'56"W  
Add Buoy "3" G, Fl G 4s 21°19'00"N 158°07'45"W  
Buoy "A" Y, can 21°28'21"N 157°43'51"W  
Buoy "B" Y, Fl Y 2.5s 21°28'59"N 157°44'00"W  
Buoy "C" Y, Fl Y 4s 21°28'48"N 157°42'49"W  
Buoy "D" Y, Fl Y 2.5s 21°28'00"N 157°41'55"W  
Buoy "E" Y, can 21°27'43"N 157°42'30"W  
(Inset)  
Add Buoy "3" G, Fl G 4s 21°19'00.0"N 158°07'45.2"W  
(41, 44/02 CG14)
- 19360 1Ed. 6/7/80 LAST NM N37/02 N51/02  
Change Characteristic of buoy to Fl Y 6s 21°22'04"N 158°08'56"W  
Add Buoy "3" G, Fl G 4s 21°19'00.0"N 158°07'45.2"W  
(41, 44/02 CG14)
- 19379 1Ed. 8/16/97 LAST NM N25/02 N51/02  
Change Light to Fl 6s 40ft 9M 22°08.8'N 159°17.7'W  
(41/02 CG14)
- 19380 14Ed. 3/29/97 LAST NM 25/02 51/02  
Change Light to Fl 6s 40ft 9M 22°08.8'N 159°17.7'W  
(41/02 CG14)

**★19381** 8Ed. 7/17/93 LAST NM 49/02 51/02  
 Change Light to Fl 6s 40ft 9M 22°08'49"N 159°17'45"W  
 (41/02 CG14)

**21120** 27Ed. 9/27/86 LAST NM 50/02 51/02  
 Change Visibility (range) of light to 10M 24°35.9'N 110°23.5'W  
 Visibility (range) of light to 8M 24°28.8'N 110°24.1'W  
 Visibility (range) of light to 8M 24°27.5'N 110°18.0'W  
 Light to Fl(2) 10s 10m 8M 24°23.7'N 110°41.4'W  
 Visibility (range) of light to 8M 24°22.8'N 110°18.6'W  
 Visibility (range) of light to 9M 24°22.0'N 110°18.2'W  
 (Mex LL)

**21125** 13Ed. 5/25/91 LAST NM 31/97 51/02  
 Change Visibility (range) of light to 5M 24°09'15.4"N 110°20'23.7"W  
 Visibility (range) of range light, rear to 10M 24°11'23.1"N 110°18'06.5"W

Add Range line extending in 213° direction from above rear light dashed for 550 meters, thence solid for 3,100 meters

**(Plan)**  
 Change Visibility (range) of light to 5M 24°09'15.4"N 110°20'23.7"W  
 Visibility (range) of range light, rear to 10M 24°11'23.1"N 110°18'06.5"W  
 (Mex LL)

**24350** 2Ed. 2/21/98 LAST NM 31/02 51/02  
 Substitute Depth 2.7 meters Obstr [K41] for 3 meters Obstr 4°56.0'N 52°11.4'W

Change Legend "4 CHYS" to "4 CHYS R Lts" 4°52.0'N 52°17.0'W

**(Plan)**  
 Substitute Depth 2.7 meters Obstr [K41] for 3 meters Obstr 4°56.0'N 52°11.4'W

Change Legend "4 CHYS" to "4 CHYS R Lts" 4°51.9'N 52°16.5'W (32(39)99 Brest)

**24355** 2Ed. 2/14/98 LAST NM 34/01 51/02  
 Delete Building symbol 4°51'17"N 52°16'35"W

Substitute Depth 2.7 meters Obstr [K41] for 3 meters Obstr 4°56'03"N 52°11'24"W

Depth 5 meters for 5.3 meters 4°55'50"N 52°10'44"W  
 Depth 5.2 meters for 5.5 meters 4°55'54"N 52°10'37"W  
 Depth 5.3 meters for 5.6 meters 4°56'02"N 52°10'37"W  
 Depth 5.5 meters for 5.8 meters 4°56'14"N 52°10'35"W  
 Depth 5.6 meters for 5.9 meters 4°56'09"N 52°10'22"W

Change Legend "4 CHYS" to "4 CHYS R Lts" 4°51'50"N 52°16'31"W

Add Depth 5.6 meters 4°56'20"N 52°10'35"W

**(Plan B)**  
 Delete Building symbols (2) in vicinity 4°51'17.0"N 52°16'35.0"W

Change Legend "4 CHYS" to "4 CHYS R Lts" 4°51'47.5"N 52°16'27.0"W (32(39)99 Brest)

**26245** 16Ed. 2/10/96 LAST NM 43/01 51/02  
**(Panel B)**  
 Change Buoy "2" to "Petrolera No. 2" Y, pillar, "X" topmark, Fl Y 7s 20°39'56"N 74°53'17"W (10(74)02 Habana)

**26259** 2Ed. 5/27/95 LAST NM 44/01 51/02  
 Change Period of buoy "La Petrolera" to 7s 20°46'34.0"N 75°35'15.5"W (10(74)02 Habana)

**27082** 6Ed. 10/22/94 LAST NM 49/02 51/02  
 Change Period of buoy "7" to 5s 23°11'36"N 81°05'39"W  
 Period of buoy "11" to 5s 23°11'07"N 81°05'57"W (10(74)02 Habana)

**35130** 3Ed. 11/15/97 LAST NM 48/02 51/02  
 Change Light to Fl(3) WRG 10s 6m 8-6M 59°14.3'N 2°45.7'W (46(4885)02 Taunton)

**35136** 2Ed. 9/1/84 LAST NM 48/02 51/02  
 Change Light to Fl(3) WRG 10s 6m 8-6M 59°14'17"N 2°45'45"W (46(4885)02 Taunton)

**35200** 7Ed. 6/14/97 LAST NM 48/02 51/02  
 Change Light to Fl(3) WRG 8-6M 59°14.2'N 2°45.7'W (46(4885)02 Taunton)

**37025** 26Ed. 8/9/97 LAST NM 38/02 51/02  
 Add Dangerous wreck [K28] 47°06.6'N 2°37.4'W (7(19)02 Brest)

**37080** 3Ed. 12/28/96 LAST NM 46/02 51/02  
 Relocate Buoy from 49°05.0'N 2°15.0'W to 49°04.9'N 2°13.1'W (25(2446)00 Taunton)

**37090** 8Ed. 2/8/97 LAST NM 45/02 51/02  
 Relocate Buoy from 49°05.0'N 2°15.0'W to 49°04.9'N 2°13.1'W (25(2446)00 Taunton)

**37120** 2Ed. 3/22/97 LAST NM 49/02 51/02  
 Substitute Swept depth 6.8 meters Wk [K27] for depth 5.4 meters Wk 51°32.2'N 1°01.2'E (27(2637)00 Taunton)

**37136** 6Ed. 9/5/98 LAST NM 50/02 51/02  
 Add Depth 9.9 meters enclosed by depth contour (10-meter) 51°30'26.2"N 0°32'04.6"E (46(4881)02 Taunton)

**37140** 33Ed. 5/25/96 LAST NM 49/02 51/02  
 Substitute Swept depth 6.8 meters Wk [K27] for depth 5.4 meters Wk 51°32.2'N 1°01.2'E (27(2637)00 Taunton)

**37141** 29Ed. 10/21/95 LAST NM 48/02 51/02  
 Substitute Swept depth 6.8 meters Wk [K27] for depth 5.4 meters Wk 51°32'13"N 1°01'10"E

Change Designation of buoy "S Oaze" to "Oaze Deep" 51°30'04"N 1°00'42"E (27(2637)00 Taunton; 33/02 Trinity House)

**37183** 9Ed. 7/12/97 LAST NM 48/02 51/02  
 Add Depth 4.9 meters, blue tint and enclosing depth contour (5-meter) 53°33'23"N 0°04'35"E (46(4883)02 Taunton)

**37326** 2Ed. 5/3/97 LAST NM 47/02 51/02  
 Delete Buoy (mooring) 48°22'33.8"N 4°29'28.0"W (4(12)00 Brest)

**37362** 6Ed. 7/12/97 LAST NM 48/02 51/02  
 Add Dangerous wreck [K28] 47°06'38"N 2°37'23"W (7(19)02 Brest)

**37380** 2Ed. 9/11/93 LAST NM 48/02 51/02  
 Add Dangerous wreck [K28] 47°06.6'N 2°37.4'W (7(19)02 Brest)

**37461** 9Ed. 7/8/00 LAST NM 44/01 51/02  
 Add Depth 4.3 meters 43°22'56"N 3°01'59"W and extend 5-meter depth contour to enclose

**(Plan)**  
 Add Depth 4.3 meters enclosed by depth contour (5-meter) 43°22'56.4"N 3°01'58.8"W (46(844)01 Cadiz)

## SECTION I

NM 51/02

<b>37506</b>	4Ed. 6/24/00	LAST NM 47/02	51/02	
Add	Land tint to area bound by shore and solid line [F13] joining			
			43°20'55.1"N 8°23'10.8"W	
			43°20'55.8"N 8°23'08.4"W	
			43°20'54.3"N 8°23'07.5"W	
			43°20'54.6"N 8°23'05.7"W	
			43°20'52.5"N 8°23'04.5"W	
	(46(845)01 Cadiz)			
<b>43240</b>	4Ed. 12/28/96	LAST NM 50/02	51/02	
Delete	Submarine cable between			
			63°47.8'N 9°34.8'E	
			63°48.6'N 9°35.6'E	
Add	Submarine cable [L30.1] between			
			63°47.8'N 9°34.8'E	
			63°48.7'N 9°35.0'E	
	(19(824)02 Stavanger)			
<b>43243</b>	4Ed. 1/8/94	LAST NM 50/02	51/02	
Delete	Submarine cable between			
			63°47'49"N 9°34'50"E	
			63°49'12"N 9°36'28"E	
Add	Submarine cable [L30.1] between			
			63°47'49"N 9°34'45"E	
			63°48'44"N 9°34'57"E	
	(19(824)02 Stavanger)			
<b>43284</b>	4Ed. 12/18/93	LAST NM 16/02	51/02	
Add	Light Fl G 3s 9m			
			61°45'41"N 5°03'16"E	
	Light FR 9m			
			61°45'28"N 5°07'59"E	
	Light FG 7m			
			61°45'07"N 5°07'58"E	
	Range light, front FG 7m			
			61°45'12"N 5°05'35"E	
	Range light, rear FR 14m			
			61°45'11"N 5°05'20"E	
	Range line extending in 084°36' direction from above rear light			
	dashed for 500 meters, thence solid for 1500 meters			
	Legend "Lts in line 264°36'" along above range line			
			61°45'16"N 5°06'06"E	
	Range light, front FR 12m			
			61°45'09"N 5°08'31"E	
	Range light, rear FR 22m			
			61°45'07"N 5°08'28"E	
	Range line extending in 026° direction from above rear light			
	dashed for 500 meters, thence solid for 1500 meters			
	Legend "Lts in line 206'" along above range line			
			61°45'21"N 5°08'39"E	
	(19(817-819)02 Stavanger)			
<b>43303</b>	4Ed. 6/27/98	LAST NM 50/02	51/02	
Delete	Marine farm symbol			
			60°33'35"N 5°00'06"E	
	Marine farm symbol			
			60°44'55"N 4°59'18"E	
	Marine farm symbol			
			60°33'58"N 4°57'48"E	
	(19(815)02 Stavanger)			
<b>51150</b>	(INT 1811)	1Ed. 3/24/90	LAST NM 50/02	51/02
Add	"Fish haven" area with blue tint bound by dotted line (limiting danger line) joining			
			37°06.5'N 8°38.4'W	
			37°05.1'N 8°38.4'W	
			37°05.1'N 8°34.7'W	
			37°06.5'N 8°34.7'W	
	(17(367)01 Lisboa)			
<b>51154</b>	3Ed. 12/30/95	LAST NM 50/02	51/02	
Delete	Dashed line and anchorage symbol between			
			37°05'23.0"N 8°36'57.0"W	
			37°05'45.0"N 8°39'00.0"W	
	Note: legend "Light...282°12'" remains			
Add	"Fish haven" area with blue tint bound by dotted line (limiting danger line) joining			
			37°05'07.4"N 8°38'22.2"W	
			37°06'30.2"N 8°38'22.2"W	
			37°06'30.2"N 8°34'43.2"W	
			37°05'07.4"N 8°34'43.2"W	
	(17(367)01 Lisboa)			
<b>51155</b>	1Ed. 7/7/84	LAST NM 50/02	51/02	
Add	"Fish haven" area with blue tint bound by dotted line (limiting danger line) joining			
			37°06'25"N 8°38'17"W	
			37°05'02"N 8°38'17"W	
			37°05'02"N 8°34'38"W	
			37°06'25"N 8°34'38"W	
	(17(367)01 Lisboa)			
<b>51160</b>	20Ed. 9/22/90	LAST NM 50/02	51/02	
Add	"Fish haven" area with blue tint bound by dotted line (limiting danger line) joining			
			37°06.5'N 8°38.4'W	
			37°05.1'N 8°38.4'W	
			37°05.1'N 8°34.7'W	
			37°06.5'N 8°34.7'W	
	(17(367)01 Lisboa)			
<b>51222</b>	6Ed. 2/17/96	LAST NM 12/00	51/02	
Add	Legend "SEE NOTE"			33°36'32.0"N 7°36'29.0"W
	"NOTE			
	Later date surveys indicate depths up to 1.5 meters deeper than charted. Consult local authorities."			33°35'08.0"N 7°34'24.0"W
	(NTM0043/2002)			
<b>52060</b>	16Ed. 9/26/87	LAST NM 50/02	51/02	
Add	Danger circle [K40] "Obstn (Fish hatchery) (Buoyed)"			37°22.0'N 1°36.6'W
	(44(802)01 Cadiz)			
<b>52061</b>	2Ed. 3/2/96	LAST NM 48/02	51/02	
Add	"Tunny nets" area [K45] bound by dashed line joining			37°32'52"N 1°11'22"W
			37°32'51"N 1°10'35"W	
			37°33'04"N 1°10'29"W	
Delete	(Plan) "Fishing area" in vicinity			37°32'57.0"N 1°10'41.0"W
Add	"Tunny nets" area [K45] bound by dashed line joining			37°32'52.4"N 1°11'21.6"W
			37°32'51.2"N 1°10'35.4"W	
			37°33'04.4"N 1°10'29.4"W	
	(42(756)01 Cadiz)			
<b>52080</b>	14Ed. 2/8/97	LAST NM 50/02	51/02	
Add	"Fish hatchery (Buoyed)" area [K40] bound by dashed line joining			38°57.4'N 0°02.4'W
			38°57.8'N 0°01.9'W	
			38°58.5'N 0°02.8'W	
			38°58.1'N 0°03.3'W	
	Fish haven area [K46.1] bound by dashed line joining			39°59.9'N 0°05.1'E
			39°59.9'N 0°07.1'E	
			40°02.9'N 0°09.5'E	
			40°02.9'N 0°07.5'E	
	Submarine pipeline (sewer) [L41.1] between			40°01.9'N 0°02.8'E
			40°01.0'N 0°04.9'E	
	(44(805), 46(851, 852)01 Cadiz)			
<b>52083</b>	2Ed. 11/9/96	LAST NM 46/02	51/02	
Add	Submarine pipeline (sewer) [L41.1] between			40°28'35"N 0°29'04"E
			40°27'58"N 0°30'38"E	
	Submarine pipeline (sewer) [L41.1] between			40°06'24"N 0°09'12"E
			40°06'00"N 0°10'10"E	
	Submarine pipeline (sewer) [L41.1] between			40°15'35"N 0°18'18"E
			40°15'06"N 0°19'14"E	
	(42(759), 44(806), 45(832)01 Cadiz)			

**52085** 3Ed. 3/2/96 LAST NM 50/02 51/02  
 (Plan)  
 Relocate Light from 39°27'29.0"N 0°19'31.0"W to  
 39°27'27.7"N 0°19'29.9"W  
 Light from 39°27'26.6"N 0°19'33.0"W to  
 39°27'25.8"N 0°19'32.1"W

Add Light Fl(3) G 9s 5m 1M 39°27'29.5"N 0°19'32.7"W  
 Light Fl(2) R 7s 5m 1M 39°27'27.8"N 0°19'34.5"W

Land tint to area bound by shore and solid line  
 joining 39°27'30.6"N 0°19'31.5"W  
 39°27'29.5"N 0°19'32.7"W  
 39°27'27.7"N 0°19'29.9"W  
 39°27'28.8"N 0°19'28.8"W

Land tint to area bound by shore and solid line  
 joining 39°27'26.8"N 0°19'35.7"W  
 39°27'27.8"N 0°19'34.5"W  
 39°27'25.8"N 0°19'32.1"W  
 39°27'24.9"N 0°19'32.7"W

and delete land tint seaward of above line  
 (42(757)01 Cadiz)

**52086** 2Ed. 8/5/95 LAST NM 50/02 51/02  
 Delete "Obstns" area in vicinity 40°01'46"N 0°07'08"E

Add Fish haven area [K46.1] bound by dashed line  
 joining 39°59'56"N 0°05'08"E  
 39°59'56"N 0°07'08"E  
 40°02'56"N 0°09'32"E  
 40°02'56"N 0°07'32"E

Submarine pipeline (sewer) [L41.1] between  
 40°01'54"N 0°02'50"E  
 40°01'02"N 0°04'52"E

Submarine pipeline (sewer) [L41.1] between  
 40°06'24"N 0°09'12"E  
 40°05'48"N 0°10'39"E

(44(805, 806), 46(852)01 Cadiz)

**52087** 1Ed. 4/23/94 LAST NM 5/00 51/02  
 Add Depth 8 meters, blue tint and enclosing  
 depth contour (10-meter) centered 41°49'02.4"N 3°05'29.4"E  
 (44(810)01 Cadiz)

**52092** 1Ed. 12/11/93 LAST NM 46/02 51/02  
 Add Submarine pipeline (sewer) [L41.1] between  
 40°28'34.8"N 0°29'04.2"E  
 40°27'57.6"N 0°30'37.8"E  
 (45(832)01 Cadiz)

**52120** 12Ed. 11/14/87 LAST NM 32/02 51/02  
 Substitute Depth 8 meters for 27 meters 41°49.0'N 3°05.5'E  
 and extend depth contour (20-meter) to enclose  
 (44(810)01 Cadiz)

**52124** 1Ed. 6/18/94 LAST NM 16/01 51/02  
 Add Depth 8 meters, blue tint and enclosing  
 depth contour (10-meter) centered 41°49'02"N 3°05'29"E  
 and delete depth 27 meters close W  
 (44(810)01 Cadiz)

**52180** 14Ed. 7/31/99 LAST NM 43/02 51/02  
 Add Legend (PA) to wreck 36°52.0'N 13°15.0'E  
 (10(13)99 Genova)

**53011** 2Ed. 2/10/01 LAST NM 49/01 51/02  
 Add Wreck [K29] 36°52.0'N 13°15.0'E  
 (10(13)99 Genova)

**53060** 14Ed. 9/30/89 LAST NM 32/02 51/02  
 Add Depth 8 meters 41°49.0'N 3°05.5'E  
 and extend depth contour (20-meter) to enclose  
 (44(810)01 Cadiz)

**53084** 6Ed. 6/25/94 LAST NM 24/02 51/02  
 Change Light to Fl G 4s 11m 11M 43°32'28.5"N 7°01'46.9"E  
 (4(22)00 Brest; Fr LL)

**53085** 6Ed. 7/18/92 LAST NM 24/02 51/02  
 Change Light to Fl G 4s 11m 11M 43°32'28.5"N 7°01'46.9"E  
 Light to Fl R 4s 2m 3M 43°32'27.2"N 7°01'51.6"E  
 (4(22)00 Brest; Fr LL)

**53100** 16Ed. 11/18/89 LAST NM 42/02 51/02  
 Change Light to Fl G 4s 11m 11M 43°32.5'N 7°01.8'E  
 (4(22)00 Brest; Fr LL)

**53125** 2Ed. 2/17/96 LAST NM 46/02 51/02  
 Delete Buoy 42°55'33.0"N 10°28'44.2"E  
 (10(5)99 Genova)

**53135** 2Ed. 6/3/95 LAST NM 20/02 51/02  
 Delete Beacon 42°33'14.0"N 11°08'12.0"E  
 (18(6)99 Genova)

**53141** 5Ed. 5/23/92 LAST NM 34/02 51/02  
 Add Wreck [K29] 40°57.44'N 13°15.94'E  
 (18(8)99 Genova)

**53147** 3Ed. 4/13/96 LAST NM 42/02 51/02  
 Delete Submarine pipeline between 41°42'26"N 12°19'41"E  
 41°41'56"N 12°18'47"E  
 (Supersedes 36/02-53147)  
 (25(5)99 Genova)

**53160** 14Ed. 6/19/99 LAST NM 20/02 51/02  
 Add Wreck [K29] 40°57.5'N 13°15.9'E  
 Danger circle [K40] "Obstn (Marine farm)"  
 marked by buoy Y, pillar, "X" topmark, Fl Y 4s  
 40°55.1'N 12°58.7'E  
 (10(7), 18(8)99 Genova)

**53161** 8Ed. 3/30/96 LAST NM 47/01 51/02  
 Delete Buoy 40°38'17"N 14°42'18"E  
 Add Danger circle [K40] "Obstn (Marine farm)"  
 marked by buoy Y, spar, "X" topmark,  
 Fl(2) Y 6s 40°47'14"N 14°20'59"E  
 (9(5), 10(9)99 Genova)

**53164** 9Ed. 11/23/96 LAST NM 37/02 51/02  
 Delete "ANCHORING, STOPPING AND FISHING  
 PROHIBITED" area in vicinity 40°50'38.0"N 14°16'48.0"E  
 "ANCHORING, STOPPING AND FISHING  
 PROHIBITED" area in vicinity 40°49'21.0"N 14°18'18.0"E  
 "ANCHORING AND STOPPING  
 PROHIBITED FOR TANKERS" area  
 in vicinity 40°49'38.0"N 14°16'06.0"E  
 Add Anchor berth "A1" [N11.2], radius 250 meters  
 centered 40°49'42.6"N 14°15'31.4"E  
 Anchor berth "A2" [N11.2], radius 250 meters  
 centered 40°49'41.5"N 14°16'04.0"E  
 Anchor berth "A3" [N11.2], radius 350 meters  
 centered 40°49'21.0"N 14°16'02.8"E  
 Anchor berth "A4" [N11.2], radius 350 meters  
 centered 40°49'20.0"N 14°15'20.9"E  
 Anchorage area "A (Non dangerous cargoes)"  
 [N12.2] bound by purple dashed line joining  
 40°49'02.3"N 14°14'57.2"E  
 40°49'51.0"N 14°14'18.0"E  
 40°49'51.0"N 14°16'20.1"E  
 40°49'02.3"N 14°16'19.9"E  
 Note: Area extends beyond chart border  
 Purple dashed line (precautionary area limit)  
 [M15] between 40°49'02.3"N 14°16'38.8"E  
 40°49'48.2"N 14°16'34.7"E  
 Open-outlined arrow indicating flow of traffic  
 [M10] oriented 170° 40°49'30.0"N 14°16'41.5"E

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## SECTION I

NM 51/02

<b>53164</b>	(Continued)				
	Purple tint area (traffic separation zone) [M13]				
	bound by limit joining	40°49'02.3"N	14°16'55.6"E		
		40°49'49.0"N	14°16'44.9"E		
		40°49'56.0"N	14°16'32.4"E		
		40°49'56.7"N	14°16'32.8"E		
		40°49'49.5"N	14°16'46.3"E		
		40°49'02.3"N	14°16'57.1"E		
	Note: Area extends beyond chart border				
	Purple dashed line (precautionary area limit)				
	[M15] joining	40°50'01.0"N	14°16'35.8"E		
		40°49'52.2"N	14°16'58.2"E		
		40°49'02.3"N	14°17'17.1"E		
	Open-outlined arrow indicating flow of traffic				
	[M10] oriented 350°	40°49'30.0"N	14°16'56.5"E		
	Anchor berth "D1" [N11.2], radius 350 meters				
	centered	40°49'23.5"N	14°17'34.0"E		
	Anchor berth "D2" [N11.2], radius 350 meters				
	centered	40°49'06.8"N	14°17'38.8"E		
	Anchorage area "D" [N12.2] bound by purple				
	dashed line joining	40°49'02.3"N	14°17'29.0"E		
		40°49'31.0"N	14°17'20.3"E		
		40°49'34.7"N	14°17'44.5"E		
		40°49'02.3"N	14°17'52.8"E		
	Note: Area extends beyond chart border				
	Purple dashed line (precautionary area limit)				
	[M15] joining	40°49'02.3"N	14°18'28.9"E		
		40°49'23.4"N	14°18'28.9"E		
		40°49'52.2"N	14°17'50.1"E		
	(BA CH 915)				
<b>53180</b>	10Ed. 1/21/95 LAST NM 43/02			51/02	
	Change Visibility (range) of light to 16M	40°21.2'N	14°59.2'E		
	Add Wreck [K29] (PA)	38°38.1'N	15°45.9'E		
	(10(8), (11)99 Genova)				
<b>53201</b>	6Ed. 10/31/92 LAST NM 45/01			51/02	
	Delete Double solid line, land tint and legend "BKW"				
	in vicinity	37°14'06.0"N	15°13'19.5"E		
	Add Double solid line (breakwater) [F4.1] between				
		37°14'06.0"N	15°13'21.2"E		
		37°14'03.0"N	15°13'19.1"E		
	Land tint to area bound by shore and solid line				
	joining	37°14'08.3"N	15°13'04.9"E		
		37°14'10.9"N	15°12'58.9"E		
		37°14'11.8"N	15°12'59.0"E		
		37°14'10.0"N	15°13'04.0"E		
		37°14'09.5"N	15°13'06.8"E		
	Floating dock [F26], 115°-295° axis 70 meters				
	by 25 meters wide, centered	37°14'12.0"N	15°12'57.0"E		
	Land tint to area bound by shore and				
	dashed line [F13] joining	37°14'22.8"N	15°11'41.2"E		
		37°14'24.7"N	15°12'50.5"E		
		37°14'24.4"N	15°11'51.8"E		
		37°14'22.1"N	15°11'59.0"E		
		37°14'18.0"N	15°12'03.7"E		
		37°14'17.8"N	15°12'03.2"E		
		37°14'17.1"N	15°12'04.9"E		
		37°14'07.1"N	15°11'50.9"E		
		37°14'09.4"N	15°11'49.0"E		
	(20(11)99 Genova)				
<b>53220</b>	6Ed. 9/27/86 LAST NM 43/02			51/02	
	Add Wreck [K29] (PA)	36°52.0'N	13°15.0'E		
	(10(13)99 Genova)				
<b>53226</b>	2Ed. 2/3/96 LAST NM 15/02			51/02	
	Add Wreck [K29] (PA)	36°52'02"N	13°14'59"E		
	(10(13)99 Genova)				
<b>53302</b>	4Ed. 2/15/97 LAST NM 12/01			51/02	
	Add Legend "(destroyed)" to beacon	41°50'16.0"N	8°44'31.9"E		
	(4(23)00 Brest)				
<b>53303</b>	6Ed. 12/28/96 LAST NM 49/02			51/02	
	(Plan A)				
	Delete Depth 5 meters	41°55'09.5"N	8°44'27.2"E		
	Add Depth 8.8 meters	41°55'23.4"N	8°44'31.6"E		
	Depth 4.3 meters	41°55'09.6"N	8°44'28.2"E		
	Depth 7.1 meters	41°55'10.7"N	8°44'37.4"E		
	(4(24)00 Brest)				
<b>54282</b>	1Ed. 10/8/94 LAST NM 19/01			51/02	
	Change Visibility (range) of light to 5M	38°30'46"N	23°37'42"E		
	(11(285)99 Athens; BA LL)				
<b>54284</b>	1Ed. 8/6/94 LAST NM 15/01			51/02	
	Change Light to Fl WR 1 ½s 10m 5/3M	38°11'17"N	24°10'13"E		
	(11(282)99 Athens; BA LL)				
<b>54340</b>	8Ed. 7/27/91 LAST NM 48/02			51/02	
	Change Visibility (range) of light to 10M	38°57.3'N	23°27.2'E		
	(11(284)99 Athens; BA LL)				
<b>54347</b>	4Ed. 9/17/94 LAST NM 26/01			51/02	
	Change Visibility (range) of light to 5M	38°30'46.0"N	23°37'42.0"E		
	(11(285)99 Athens; BA LL)				
<b>54350</b>	4Ed. 12/18/93 LAST NM 21/01			51/02	
	(Plan A)				
	Change Visibility (range) of light to 10M	38°57.3'N	23°27.2'E		
	(11(284)99 Athens; BA LL)				
<b>★71248</b>	2Ed. 7/20/02 NEW EDITION			N51/02	
	Delete Depth 14.9 meters	1°19'01.2"N	104°04'28.8"E		
	Depth 14.8 meters	1°18'54.6"N	104°04'39.0"E		
	(Previously published 35/02)				
	Substitute Depth 14.6 meters for 13.4 meters	1°19'07.2"N	104°04'02.4"E		
	(Previously published 35/02)				
	(NIMA)				
<b>71281</b>	7Ed. 11/9/96 LAST NM 1/97			51/02	
	Add Depth 10.5 meters Wk [K26]	12°05'19.8"S	96°52'17.4"E		
	(22(692)02 Wollongong)				
<b>71401</b>	1Ed. 6/15/91 LAST NM 46/02			51/02	
	Delete Buoy "14"	3°15'41.0"N	113°03'03.0"E		
	Buoy "23"	3°15'27.0"N	113°04'21.0"E		
	(7(121)99 Kuala Lumpur)				
<b>72007</b>	10Ed. 8/31/96 LAST NM 47/02			51/02	
	Add Submarine cable [L30.1] joining	5°12.7'S	118°52.2'E		
		4°48.0'S	117°50.0'E		
		4°47.9'S	117°23.3'E		
		4°37.9'S	117°08.2'E		
		4°36.5'S	117°02.7'E		
		4°38.3'S	116°51.6'E		
		4°35.5'S	116°47.2'E		
		4°34.0'S	115°00.0'E		
	(25(173)00 Jakarta)				
<b>72021</b>	8Ed. 11/30/96 LAST NM 50/02			51/02	
	Add Submarine cable [L30.1] joining	5°23.3'S	119°20.5'E		
		4°48.0'S	117°50.0'E		
		4°47.9'S	117°23.3'E		
		4°37.6'S	117°07.2'E		
		4°36.5'S	117°02.7'E		
		4°37.4'S	116°50.3'E		
		4°35.5'S	116°47.2'E		
		4°33.0'S	114°38.3'E		
		4°30.0'S	114°32.2'E		
		4°21.0'S	114°29.0'E		
		3°56.7'S	114°30.0'E		
		3°52.6'S	114°36.1'E		
	(25(173)00 Jakarta)				

**72080** 7Ed. 3/28/98 LAST NM 20/02 51/02  
 Add Submarine cable [L30.1] joining  
 4°40'30"S 117°13'00"E  
 4°38'38"S 117°10'37"E  
 4°37'26"S 117°06'38"E  
 4°36'24"S 117°03'12"E  
 4°37'15"S 116°58'03"E  
 4°37'34"S 116°56'08"E  
 4°38'18"S 116°51'36"E  
 4°35'30"S 116°24'00"E  
 4°34'30"S 115°45'00"E

(25(173)00 Jakarta)

**72085** 2Ed. 12/30/95 LAST NM 47/02 51/02  
 Add Submarine cable [L30.1] joining  
 5°12.7'S 118°52.2'E  
 4°48.0'S 117°50.0'E  
 4°47.0'S 117°41.4'E  
 4°46.5'S 117°36.8'E  
 4°47.8'S 117°24.0'E  
 4°47.9'S 117°23.3'E  
 4°41.8'S 117°15.0'E  
 4°40.3'S 117°12.9'E  
 4°38.6'S 117°10.6'E  
 4°37.9'S 117°08.2'E  
 4°37.4'S 117°06.6'E  
 4°36.5'S 117°02.7'E  
 4°38.3'S 116°51.6'E  
 4°35.5'S 116°47.2'E  
 4°34.5'S 115°35.0'E

(25(173)00 Jakarta)

**74005** 2Ed. 4/8/95 LAST NM 47/02 51/02  
 Add Dangerous wreck [K28] (PA)  
 (22(691)02 Wollongong) 10°16.0'S 141°37.9'E

**74008** 6Ed. 12/9/94 LAST NM 15/02 51/02  
 Add Dangerous wreck [K28] (PA)  
 (22(691)02 Wollongong) 10°16.0'S 141°37.9'E

**74030** 6Ed. 11/25/94 LAST NM 28/02 51/02  
 Delete Light 33°37.8'S 115°20.2'E  
 (22(693)02 Wollongong)

**74053** 2Ed. 6/29/96 LAST NM 28/02 51/02  
 Change Visibility (range) of light to 2M  
 (22(693)02 Wollongong) 33°37'48"S 115°20'12"E

**74182** 12Ed. 2/13/99 LAST NM 44/02 51/02  
 Add Land tint to area bound by shore and solid line  
 joining 27°22'09"S 153°10'22"E  
 27°22'03"S 153°10'26"E  
 27°22'05"S 153°10'28"E

Land tint to area bound by shore and solid line  
 joining 27°23'31"S 153°09'28"E  
 27°23'34"S 153°09'27"E  
 27°23'38"S 153°09'27"E  
 27°23'40"S 153°09'29"E  
 27°23'41"S 153°09'30"E

(22(687, 688)02 Wollongong)

**74220** 8Ed. 3/7/98 LAST NM 47/02 51/02  
 Delete Depth 13.5 meters 20°56.9'S 150°31.0'E  
 Depth 16.5 meters 20°44.9'S 150°27.6'E  
 Depth 9.5 meters 20°39.9'S 150°21.4'E  
 Depth 13.5 meters 20°38.9'S 150°22.0'E

Dotted line area and blue tint in vicinity  
 20°39.6'S 150°21.7'E  
 Legend "Unsurveyed CAUTION NO 2"  
 20°34.0'S 150°27.5'E

Legend "Inadequately Surveyed CAUTION  
 NO 1"  
 20°48.9'S 150°11.4'E

Purple dashed line (unsurveyed boundary)  
 between 20°55.3'S 150°31.3'E  
 20°54.3'S 150°31.3'E

Purple dashed line (unsurveyed boundary)  
 between 20°50.4'S 150°31.3'E  
 20°48.3'S 150°27.8'E

Purple dashed line (unsurveyed boundary)  
 between 20°45.7'S 150°29.9'E  
 20°43.2'S 150°27.6'E

Purple dashed line (unsurveyed boundary)  
 between 20°39.4'S 150°27.5'E  
 20°37.6'S 150°22.1'E

Purple dashed line (unsurveyed boundary)  
 between 20°33.5'S 150°25.0'E  
 20°29.9'S 150°26.5'E

Substitute Depth 4.9 meters for 9.5 meters 20°57.8'S 150°31.1'E  
 Depth 1.2 meters for 2.4 meters 20°48.0'S 150°24.4'E  
 Depth 4.1 meters for 6.5 meters 20°43.0'S 150°24.4'E

Add Depth 3.8 meters enclosed by depth contour  
 (10-meter) centered 20°56.8'S 150°31.1'E

Depth 9.8 meters, blue tint and enclosing  
 depth contour (10-meter) centered 20°44.6'S 150°28.0'E  
 Depth 2.7 meters, blue tint and enclosing  
 depth contour (10-meter) centered 20°41.0'S 150°26.4'E  
 Depth 5.5 meters, blue tint and enclosing  
 depth contour (10-meter) centered 20°39.7'S 150°21.5'E  
 Depth 7.2 meters, blue tint and enclosing  
 depth contour (10-meter) centered 20°38.5'S 150°22.4'E  
 Depth 3.1 meters, blue tint and enclosing  
 depth contour (10-meter) centered 20°36.8'S 150°25.8'E

Purple dashed line (unsurveyed boundary)  
 between 20°29.9'S 150°26.5'E  
 20°29.9'S 150°31.3'E

(21(658)02 Wollongong)

**74221** 2Ed. 5/3/97 LAST NM 35/02 51/02  
 Delete Depth 9.5 meters 20°57'54"S 150°31'00"E  
 Depth 13.5 meters 20°56'54"S 150°31'00"E  
 Depth 2.4 meters 20°47'54"S 150°24'18"E  
 Depth 16.5 meters 20°44'54"S 150°27'36"E  
 Depth 6.5 meters 20°43'00"S 150°24'12"E  
 Depth 9.5 meters 20°39'54"S 150°21'24"E  
 Depth 13.5 meters 20°38'54"S 150°22'00"E  
 Legend "Unsurveyed" 20°49'36"S 150°32'30"E  
 Legend "Unsurveyed" 20°35'42"S 150°30'48"E

Dotted-line area and blue tint in vicinity  
 20°39'36"S 150°21'42"E

Legend "Inadequately Surveyed SEE  
 CAUTION" 20°56'36"S 150°11'24"E  
 Legend "Inadequately Surveyed SEE  
 CAUTION" 20°45'36"S 150°19'24"E

Dashed line (unsurveyed boundary) between  
 21°01'56"S 150°30'18"E  
 21°01'12"S 150°30'18"E

Dashed line (unsurveyed boundary) between  
 21°00'48"S 150°30'24"E  
 20°59'42"S 150°30'42"E

Dashed line (unsurveyed boundary) between  
 20°58'48"S 150°32'36"E  
 20°56'18"S 150°33'18"E

Dashed line (unsurveyed boundary) between  
 20°55'42"S 150°32'06"E  
 20°48'18"S 150°29'00"E

Dashed line (unsurveyed boundary) between  
 20°45'42"S 150°29'54"E  
 20°43'12"S 150°27'36"E

Dashed line (unsurveyed boundary) between  
 20°39'24"S 150°27'30"E  
 20°37'36"S 150°22'06"E

Dashed line (unsurveyed boundary) between  
 20°33'30"S 150°25'00"E  
 20°28'54"S 150°26'24"E

Add Depth 6.1 meters, blue tint and enclosing  
 depth contour (10-meter) centered 21°00'35"S 150°30'19"E

Depth 4.9 meters enclosed by depth contour  
 (10-meter) 20°57'48"S 150°31'08"E

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## SECTION I

NM 51/02

<b>74221</b>	(Continued)				
	Depth 3.8 meters enclosed by depth contour (10-meter)	20°56'46"S	150°31'07"E		
	Depth 1.2 meters enclosed by depth contour (10-meter)	20°48'02"S	150°24'22"E		
	Depth 9.8 meters, blue tint and enclosing depth contour (10-meter) centered	20°44'38"S	150°27'58"E		
	Depth 4.1 meters, blue tint and enclosing depth contour (10-meter) centered	20°43'02"S	150°24'26"E		
	Depth 2.7 meters, blue tint and enclosing depth contour (10-meter) centered	20°41'02"S	150°26'25"E		
	Depth 5.5 meters, blue tint and enclosing depth contour (10-meter) centered	20°39'43"S	150°21'28"E		
	Depth 7.2 meters, blue tint and enclosing depth contour (10-meter) centered	20°38'29"S	150°22'22"E		
	Depth 3.1 meters, blue tint and enclosing depth contour (10-meter) centered	20°36'46"S	150°25'49"E		
	Drying tint to area bound by existing reef and dotted line joining	20°39'06"S	150°26'36"E		
		20°39'32"S	150°26'19"E		
		20°39'18"S	150°26'48"E		
	(21(658)02 Wollongong)				
<b>74251</b>	8Ed. 5/3/97 LAST NM 46/02			51/02	
Add	Depth 8.6 meters, blue tint and enclosing depth contour (10-meter) centered	17°40'11"S	146°11'01"E		
	Depth 2.3 meters, blue tint and enclosing depth contour (10-meter) centered	17°40'02"S	146°10'31"E		
	(22(689)02 Wollongong)				
<b>74290</b>	11Ed. 9/6/97 LAST NM 49/02			51/02	
Add	Dangerous wreck [K28] (PA)	10°16.0'S	141°37.9'E		
	(22(691)02 Wollongong)				
<b>74555</b>	3Ed. 8/30/97 LAST NM 48/02			51/02	
Change	Visibility (range) of light to 2M	33°37.8'S	115°20.2'E		
	(22(693)02 Wollongong)				
<b>74590</b>	2Ed. 5/24/97 LAST NM 28/02			51/02	
Change	Visibility (range) of light to 2M	33°37'48"S	115°20'12"E		
	(22(693)02 Wollongong)				
<b>75130</b>	16Ed. 8/26/95 LAST NM 41/02			51/02	
Substitute	Purple composite-line circle [N26]				
	"Historic Wk (see Note)" for dangerous wreck	34°27.7'S	137°23.2'E		
Add	Purple composite-line circle [N26]				
	"Historic Wk (see Note)"	34°49.4'S	138°25.0'E		
	(22(695, 697)02 Wollongong)				
<b>75134</b>	3Ed. 11/18/95 LAST NM 33/02			51/02	
Delete	Depth 10.9 meters Wk	34°49'31"S	138°25'17"E		
	Depth 10.3 meters Wk	34°31'49"S	138°03'47"E		
	Buoy	34°31'45"S	138°03'30"E		
Change	Buoy to Y, can, "X" topmark, Fl Y 4s	34°30'42"S	138°03'53"E		
Add	Purple composite-line circle [N26]				
	"Historic Wk (see Note)"	34°49'19"S	138°25'06"E		
	Purple composite-line circle [N26]				
	"Historic Wk (see Note)" marked by buoy Y, can, "X" topmark, Fl Y 4s	34°31'51"S	138°03'43"E		
	Buoy (mooring) Or, Fl 5s	34°49'17"S	138°25'04"E		
	<b>(Plan A)</b>				
Delete	Depth 10.9 meters Wk	34°49'30.6"S	138°25'16.8"E		
Add	Purple composite-line circle [N26]				
	"Historic Wk (see Note)"	34°49'18.6"S	138°25'06.0"E		
	Buoy (mooring) Or, Fl 5s	34°49'17.4"S	138°25'04.2"E		
	(22(697)02 Wollongong)				
<b>75144</b>	3Ed. 4/22/95 LAST NM 42/02			51/02	
Substitute	Purple composite-line circle [N26] for dangerous wreck	34°27'35"S	137°23'16"E		
	Purple composite-line circle [N26] for dangerous wreck	34°28'40"S	137°23'03"E		
	Add	Legend "Historic Wks (see Note)"	34°28'06"S	137°23'24"E	
		Note from Subsection I-2	34°10'00"S	137°34'00"E	
	(22(695)02 Wollongong)				
<b>81067</b>	5Ed. 1/20/90 LAST NM 1/00			51/02	
Relocate	Buoy "2" from 15°13'32"N	145°41'44"E to			
		15°13'07"N	145°41'16"E		
	(41/02 CG14)				
<b>*81076</b>	9Ed. 9/19/98 LAST NM 9/00			51/02	
Relocate	Buoy "2" from 15°13'32"N	145°41'44"E to			
		15°13'07.2"N	145°41'16.2"E		
	(41/02 CG14)				
<b>94040</b>	13Ed. 10/4/97 LAST NM 47/02			51/02	
Add	Dangerous wreck [K28] (PA)	23°22.5'N	117°07.0'E		
	Dangerous wreck [K28] (PA)	23°17.3'N	116°47.5'E		
	(40(738, 739)02 Tianjin)				
<b>94042</b>	9Ed. 5/25/96 LAST NM 47/02			51/02	
	<b>(Panel A)</b>				
Add	Dangerous wreck [K28] (PA)	23°17'17"N	116°47'29"E		
	<b>(Panel B)</b>				
Add	Dangerous wreck [K28] (PA)	23°22'30"N	117°07'00"E		
	Dangerous wreck [K28] (PA)	23°17'17"N	116°47'29"E		
	(40(738, 739)02 Tianjin)				
<b>94160</b>	7Ed. 3/23/96 LAST NM 50/02			51/02	
Add	Danger circle "Obstn" [K40]	26°25.1'N	120°11.7'E		
	Dangerous wreck [K28]	26°27.0'N	120°11.9'E		
	Light Fl 4s 76m 15M Racon	26°29.3'N	120°08.0'E		
	(24(376)01, 41(743, 744)02 Tianjin)				
<b>94164</b>	2Ed. 3/23/96 LAST NM 50/02			51/02	
Add	Danger circle "Obstn" [K40]	26°25'05"N	120°11'45"E		
	Dangerous wreck [K28]	26°26'59"N	120°11'56"E		
	Light Fl 4s 76m 15M Racon	26°29'17"N	120°08'04"E		
	(24(376)01, 41(743, 744)02 Tianjin)				
<b>94180</b>	9Ed. 10/28/95 LAST NM 50/02			51/02	
Add	Beacon BRB, double ball topmark, Fl(2) 5s 15m 10M Racon [Q130.4]	29°16.3'N	122°08.1'E		
	Dangerous wreck [K28] "Rep (2002)" (PA)	29°20.9'N	122°10.0'E		
	(28(522), 40(732)02 Tianjin)				
<b>94184</b>	2Ed. 4/11/81 LAST NM N20/01			N51/02	
Add	Beacon BRB, double ball topmark, Fl(2) 5s 15m 10M Racon [Q130.4]	29°16'23"N	122°08'00"E		
	Dangerous wreck [K28] "Rep (2002)" (PA)	29°20'58"N	122°09'57"E		
	(28(522), 40(732)02 Tianjin)				
<b>94188</b>	2Ed. 5/25/96 LAST NM 47/02			51/02	
Add	Dangerous wreck [K28] "Rep (2002)" (PA)	29°20'55"N	122°10'02"E		
	(28(522)02 Tianjin)				
<b>94201</b>	1Ed. 5/1/45 LAST NM 34/01			51/02	
Add	Dangerous wreck [K28] "Rep (2002)" (PA)	29°20'56"N	122°09'48"E		
	(28(522)02 Tianjin)				
<b>94280</b>	5Ed. 12/16/95 LAST NM 41/01			51/02	
Add	Buoy "1" RW, pillar, ball topmark, Iso 4s	34°32'15"N	119°46'30"E		
	"Anchoring and Fishing Prohibited" area [N2.1] bound by shore and purple composite line joining	34°55'49"N	119°12'00"E		
		34°53'06"N	119°17'05"E		
		34°51'30"N	119°15'47"E		
		34°53'53"N	119°11'37"E		
	(Cna CH 12500)				

<b>805647</b>	2Ed. 8/4/90	LAST NM N37/02	N51/02
Delete	Buoy		21°22'13"N 158°08'36"W
Add	Buoy "3" G, Fl G 4s		21°19'00"N 158°07'45"W
	Buoy W Or, Fl Y 6s (Navy maintd)		21°22'04"N 158°08'55"W
(41, 44/02 CG14)			

Chart 75144

NM 51/02

**HISTORIC WRECKS**

The site of a historic wreck is protected from unauthorized interference.









## SECTION I

NM 51/02

**CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 2/02 THROUGH NM 51/02**

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

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
37047	6	14/02	37244	11	8,11,16,17,26/02	43280	5	44/02	44193	1	26/02
37050	9	18,26,42,46/02	37246	14	13,15/02	43281	6	20/02*	44200	9	20,24,29,34/02
37060	3	13,17,21,31,46,50/02	37248	18	12,39/02	43284	4	16,51/02	44203	1	20,24,33,48/02
37061	15	36,38/02	37258	4	15/02	43285	5	15,16,44/02	44204	1	5,48/02
37063	21	7,16,21,28,36,50/02	37261	10	15,28/02	43300	5	15,44,47,50/02	44205	2	48/02
37064	8	17/02*	37264	3	30/02	43301	4	15,45,50/02	44206	1	46/02
37065	7	19/02*	37265	3	18,24/02	43302	4	44,47,50/02	44220	5	46/02
37075	3	7,21,31/02	37281	15	30/02	43303	4	41,47,50,51/02	44224	1	49/02
37079	5	22/02	37320	16	12,18,26,27,28,38,44/02	43304	2	44,47,50/02	44240	8	49,50/02
37080	3	14,17,24,27,30,33,34,38,40,42,44,45,46,51/02	37325	8	14,18,34,39,47/02	43321	6	30,41,47/02	44243	2	25/02
37081	23	18,20,21,28,38,43,50/02	37326	2	11,12,34,47,51/02	43323	4	30/02	44260	7	29/02
37082	9	13,28,44,50/02	37328	2	12,18,42,44/02	43324	4	30/02	44280	9	29,34,49,50/02
37083	8	20,22/02	37330	2	22,24,26,30,32,34,38,40,46/02	43341	7	41/02	44281	2	49/02
37084	9	20,22,38,40,43/02	37342	3	17,32/02	43360	21	17,28/02	44282	1	49,50/02
37085	8	38,40/02	37343	10	11,45/02	43363	5	45/02	44283	2	50/02
37086	8	38,50/02	37344	11	17,32,34/02	43364	5	45,46/02	44284	2	41/02
37087	7	38,40/02	37360	15	15,17,27,28,30,32,34,43/02	43371	13	22/02	44310	5	20,29,41,42/02
37089	12	21,28/02	37362	6	12,17,31,43,48,51/02	43372	4	22/02	44313	1	27,41,47/02
37090	8	7,14,27,32,45,51/02	37363	8	11,48/02	43373	8	45/02	44319	2	21,41,42/02
37095	3	13,14,15,17,18,24,28,32/02	37367	1	38,49/02	43374	1	22/02	44320	4	13,23,29/02
37101	9	6,15,18,27/02	37380	2	12,15,17,34,40,42,43,44,48,51/02	43375	7	46/02	44321	6	13,19,22,23,29,32,40/02
37103	9	12,13,15,27,29/02	37400	10	9,15,28,34,38,40,41,44,46/02	43384	1	48/02	44340	11	13,16,20,21,37/02
37104	3	12,13,41/02	37401	9	9,28,32,44/02	43385	1	5,27,45,48/02	44341	7	13,25,37,41/02
37106	4	12,13/02	37402	7	28,32,41,42,44,50/02	44001	2	48,49/02	44342	8	6,13,37,41/02
37110	11	6,12,13,15,17,18,19,24,27,28,29,47/02	37403	23	12,24/02	44015	8	28,31,48,49/02	44360	9	8,16,20,21,34,37,41,42/02
37112	1	47/02	37420	1	9,12,34,43/02	44030	7	20,46/02	44361	6	21,27/02
37115	2	6,12,13,15,17,18,19,27,28,29,33,47/02	37441	4	9,12,15/02	44036	5	28/02	44366	1	34,41/02
37119	2	43/02	37443	2	9,12/02	44038	5	18/02	44367	2	15,16,18,20,22,25,26,29,35,37,40/02
37120	2	12,13,15,19,24,27,29,39,42,49,51/02	37445	1	12,48/02	44040	23	28,44/02	44400	4	48/02
37121	11	12,13,15,24,27,29,31/02	37461	9	51/02	44041	7	48/02	44401	7	13/02*
37122	12	48/02	37481	7	47,48/02	44042	7	21,44,45,49/02	44403	6	5,36,49/02
37123	9	19,49/02	37501	3	46,47/02	44043	8	44/02	44420	6	4,6,16,17,28/02
37125	15	15,19,24,42,49/02	37505	2	46/02	44044	11	8/02	44444	6	31/02
37126	8	15,41/02	37506	4	45,46,47,51/02	44049	9	18,44,46,50/02	44461	10	4,6,8,12,16,17,19,28/02
37127	11	49/02	38030	1	9,10,20,21/02	44050	21	8,18/02	44462	4	4,6,8,19/02
37129	6	39,42,49/02	38040	5	12/02	44051	1	44,48,50/02	44463	9	4/02
37133	4	44/02	38041	1	12/02	44057	5	8,13,21,25/02	44465	2	4,6,8,12,16,17,19,28/02
37134	5	38/02	38044	N12/02		44061	21	8,18,21/02	44481	2	6,26,28,31/02
37136	6	38,46,50,51/02	38100	4	12/02	44062	8	8/02	51002	7	13/02*
37137	6	46,48/02	38103		N12/02	44063	8	13,21/02	51007	22	38/02
37139	8	18,23/02	38105		N12/02	44064	19	8/02	51013	4	38/02
37140	33	15,17,19,21,22,24,27,29,31,35,49,51/02	38460	7	18/02	44065	7	5,11,15,16,20,25,30,42/02	51017	31	37/02
37141	29	20,21,23,36,40,48,51/02	38463	2	N18/02	44066	10	16,20,27,39/02	51022	11	37/02
37145	23	46,50/02	38480	6	18/02	44067	22	5,8,11,16,21,25,29/02	51103	10	29*,33,45/02
37147	15	13,21,35,36,40/02	38580	8	12/02	44068	11	11,13,17,18,20,24,26,44/02	51104	1	29*,33,45/02
37148	13	17,21,35,38/02	38603	2	4,17,21/02	44069	16	5,9,11,13,16,18,20,21,24,29,31/02	51143	4	14/02*
37149	10	44/02	38610	1	20/02	44070	7	9/02	51144	3	14/02**
37150	8	13,16,21,22,31/02	38670	2	9/02	44071	4	9/02	51145	2	42/02
37161	14	13,18,21,22,31,34,43/02	38683	3	9/02	44072	4	5,21/02	51146	3	42/02
37162	12	11,12,15,16,17,26/02	38690	2	10/02	44073	2	5,21/02	51150	1	50,51/02
37163	19	11,13/02	41060	3	34/02	44075	4	5,9,11,16,17,21,29,31,42/02	51153	3	50,51/02
37164	4	15/02	42620	5	12/02	44076	3	18,25/02	51159	3	47/02
37165	2	5,8,9,15,17,18,20,21,34,36/02	42740	5	2,12,34,41/02	44081	9	8,15,16,17,20,24,25,39/02	51160	20	48,50,51/02
37166	2	8,11,12,15,16,17,26/02	42742	3	2/02	44082	11	6,11,15,16,17,18,21,24,25/02	51164	18	38,45,46,50/02
37170	11	38/02	43030	24	11,25,28/02	44083	8	10,15,21/02	51165	8	25,45,50/02
37180	20	21,38/02	43040	6	2/02	44084	1	6/02	51166	3	N25,N45/02
37182	14	35,47,48/02	43059	3	44/02	44085	2	21,25/02	51167	6	45,50/02
37183	9	48,51/02	43060	4	44/02	44100	7	11,13,15,16,17,18,24,25,26,44/02	51168	2	45,46,50/02
37184	8	48/02	43079	2	41/02	44105	2	49/02	51220	8	33/02
37200	15	18/02	43082	5	41/02	44120	7	6,11,15,16,17,18,21,26,27,28,29,31/02	51222	6	51/02
37202	2	13,18/02	43101	3	46/02	44140	8	4,6,16,26,27,28,29,31,50/02	51223	3	27/02
37205	2	39/02	43102	4	46/02	44160	7	46/02	51240	2	33/02
37221	13	5,8,9,11,12,15,16,17,18,20,21,24,25,27,28,34,36/02	43104	4	46/02	44161	2	29,50/02	51260	4	37,50/02
37222	13	15,27,28/02	43106	6	44/02	44162	1	50/02	51263	23	49/02
37223	14	26,42/02	43145	4	17/02	44163	1	48/02	51300	4	27/02
37224	11	15/02	43146	2	48/02	44164	1	46,48/02	51320	3	12/02
37226	17	5,9,11,15,16,17,19,20,21,25,28,30,39/02	43150	2	N17/02	44165	1	46/02	51341	23	48/02
37228	14	5,8,13,21,24,27/02	43160	6	17/02	44178	2	21/02	51380	5	47/02
37229	15	15,16,17/02	43161	2	17,41,44/02	44180	6	18,20,24,29,34,45,46/02	51539	3	41/02
37230	14	16,18,24,25,39/02	43163	3	44/02	44181	4	21,48,49/02	52039	3	50/02
37231	18	9,12,15,20,21,25,28,30/02	43164	3	17,48/02	44182	6	48/02	52040	17	43,50/02
37232	12	12,15,16,21/02	43182	4	47/02	44183	9	21,45,49/02	52043	21	46/02
37234	13	9,12,15,20/02	43223	4	41/02	44184	6	48/02	52045	6	36/02
37235	11	15/02	43225	4	17/02	44185	7	45,49/02	52046	21	50/02
37241	17	13,16,17,26/02	43240	4	50,51/02	44186	2	21,45,46,48/02	52051	1	43/02
37242	10	13,15,20/02	43243	4	50,51/02	44187	2	21/02	52052	1	43/02
			43263	7	44/02	44192	1	21,29,46,48/02	52066	3	50/02
			43265	2	44/02				52080	14	50,51/02
			43270	2	44/02				52082	3	45,46,48/02
									52083	2	45,46,51/02
									52084	2	45/02
									52085	3	50,51/02

**CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 2/02 THROUGH NM 51/02**

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

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
52086	2	45,50,51/02	53287	6	20,27,35,42/02	54389	8	6,43/02	61020	2	17,28/02
52087	1	51/02	53290	1	35/02	54400	8	5,7,20,32,43/02	61021	3	18/02
52088	2	45/02	53301	4	27/02	54403	4	6,22,43/02	61036	8	8,27/02
52092	1	46,51/02	53302	4	51/02	54404	4	19/02	61110	3	12,28/02
52120	12	32,51/02	53303	6	49,51/02	54407	4	32,43/02	61111	12	12/02
52121	8	45,46/02	53306	2	21,39/02	54409	2	23,32/02	61112	10	14,17/02
52122	14	45/02	53311	3	39/02	54413	3	31/02	61120	4	12,28/02
52124	1	51/02	54040	3	37/02	54416	5	7/02	61130	3	12,28/02
52125	1	45,46/02	54041	7	18,35/02	54418	4	32,43/02	61140	5	12,27/02
52140	6	48,50/02	54043	2	15,17,18,29/02	54421	6	6,7,28,47/02	61141	6	38/02
52141	5	48/02	54060	5	18,37/02	54422	4	19/02*	61142	6	38/02
52144	5	50/02	54080	5	8/02**	54423	5	48/02*	61150	4	12/02
52170	3	3/02	54081	3	13/02	54430	1	26,28,37,43/02	61160	3	12/02
52172	2	3,11,40/02	54083	4	19/02	54440	4	7,30,41/02	61170	5	13,27/02
52180	14	2,21,24,42,43,51/02	54085	2	18,19,40/02	54441	6	30,42/02	61171	10	13/02
52186	3	3/02	54090	3	46/02*	54463	5	14/02	61172	6	13/02
52262	6	7/02	54095	3	46/02*	54464	5	7/02	61180	4	20,27/02
53011	2	51/02	54100	4	8/02**	54480	8	22,30,36,41/02	61182	2	13/02
53031	1	12,13,17,18,19,21,22,27,28,30,39,48/02	54105	3	46/02*	54481	8	22,30,36/02	61190	4	39,41/02
53060	14	12,14,15,17,18,19,21,22,27,28,30,32,51/02	54115	3	46/02*	55001	4	6,18,29,36,37,42/02	61191	8	12,13/02
53061	10	14,19,28,30,44,47/02	54120	5	15,16,17,18,19,20,37,39,41/02	55040	4	13,15,18,23,27,28,31,32,39,41/02	61200	7	17,21/02
53063	8	14,19,28,44,47/02	54125	3	46/02*	55041	7	15,22,32/02	61210	6	17/02
53064	6	33/02	54140	7	15,16,17,18,41/02	55042	1	18,21,27,28,42/02	61220	5	17/02
53065	2	33/02	54151	1	7,14,15/02	55043	2	21,23,27,28,37,39,42/02	61240	7	18/02
53066	2	12,33/02	54160	14	8/02**	55044	5	22,23,41,43/02	61250	4	18/02
53081	8	15,21,30/02	54161	12	16,17,19/02	55045	2	18,21,23,41/02	61310	2	33/02
53082	13	40/02	54165	2	33,37/02	55046	4	4,21,22,23,26,27,30,31,37,38,39,41,48/02	61311	5	17,33/02
53083	8	18,19/02	54167	2	17,19/02	55047	8	22,23,26,27/02	61312	3	17,33/02
53084	6	17,18,24,51/02	54168	1	37/02	55048	12	6,23,27,32,36,37,39,41,48/02	61400	2	27/02
53085	6	17,24,51/02	54169	3	8,16,37/02	55049	6	22,27,30,41,43/02	61410	2	14/02
53086	8	20,46,48/02	54180	6	7,8,10,19,41,43,50/02	55060	7	19,20,36,37/02	61420	2	14/02
53087	9	48/02	54195	2	11/02	55064	3	4,23,37,48/02	61430	1	14/02
53088	7	33/02	54200	4	7,8,10,11,13,21/02	55084	7	39/02	61440	2	15/02
53090	1	41/02	54201	6	13,21/02	55085	9	13/02	61450	2	14,17,27/02
53093	2	20/02	54220	5	7,10,13/02	55089	9	13/02	61470	2	15/02
53100	16	13,18,19,21,24,28,33,39,42,51/02	54222	4	21,43/02	55100	8	29,36,37/02	61472	1	15,20/02
53101	7	33/02	54223	2	13,21/02	55102	3	24/02	61500	2	17/02
53104	2	20,35,42/02	54224	2	13,21/02	55103	2	9,12,24,29,48/02	61510	2	15/02
53105	20	37/02	54225	2	21/02	55104	2	9,48/02	61520	2	15/02
53106	6	19*,20,24/02	54226	2	7,50/02	55105	7	6,9,12,18,29,36,41,42/02	61522	1	15/02
53107	16	35/02	54227	2	7,50/02	55110	2	4,7,23,24,29,37/02	61538	1	15/02
53110	1	29,40/02	54240	11	8/02**	55120	2	36/02	61540	2	15,20/02
53111	3	31,44/02*	54260	3	8/02**	55128	2	4,5,6,9,26,33,36,38/02	61541	8	4/02
53120	14	13,18,20,21,27,28,39,42/02	54279	4	50/02*	55129	7	6,9,33,36,37/02	61542	6	4/02
53122	3	20,29,40/02	54280	10	11,14,15,20/02	55130	2	13,27,45/02	61550	2	17/02
53125	2	46,51/02	54281	6	20/02	55131	1	27,36,45/02	61560	2	15/02
53130	1	27,42,47/02	54282	5	8,19,20/02	55139	5	41/02	61581	5	14,18/02
53133	3	6*,41,46/02	54284	1	51/02	55150	2	4,6,7,24,28,29,37/02	61582	4	14,18/02
53135	2	20,51/02	54286	4	14,19/02	55160	2	6,18,24,28,29,42/02	61591	4	8/02
53141	5	20,24,34,51/02	54287	7	7,9/02	55161	1	7,29/02	61592	4	8/02
53147	3	36,39,42,51/02	54288	5	9/02	55170	2	9,12,18,29,31,36,41/02	61610	7	28,29/02
53149	2	31/02	54289	8	7,9,19/02	55175	1	24,28/02	61611	11	28/02
53160	14	20,51/02	54300	12	8,11,13,14,31/02	55180	2	9,33/02	61612	4	28/02
53161	8	51/02	54302	1	8,11,13,14,31/02	55200	2	12,27/02	61650	3	17/02
53162	7	50/02*	54303	4	8/02	56042	6	22/02	62000	20	18,46/02
53164	9	20,37,51/02	54314	2	13/02	56043	6	22/02	62001	4	2,36/02
53165	13	39/02	54318	3	5,19/02	56044	3	22,38/02	62024	13	13,14,38,40/02
53180	10	2,33,34,43,51/02	54320	4	7,13,20,48/02	56060	8	33/02	62028	15	5,8,12,18/02
53181	4	2,34/02	54322	7	5,13,19,20/02	56063	1	2,14,21/02	62032	15	13,16,18,23,29,32,33,43,50/02
53182	4	36/02	54324	8	19/02	56064	6	14,38/02	62033	2	N13,N16,N18,N23,N29,N32,N33,N43,N50/02
53183	13	19*,35/02	54327	4	20,31/02	56065	3	33,38/02	62040	5	13/02
53184	5	32,35/02	54329	4	5/02	56067	3	48/02*	62046	2	13,39/02
53200	6	2,3,33,36,43/02	54330	2	5/02	56081	19	41/02	62050	6	18,44/02
53201	6	51/02	54333	3	5/02	56083	2	7,31/02	62090	7	2/02
53203	11	3/02	54334	3	7/02	56100	13	41,49,50/02	62092	7	2,41/02
53204	10	3,44/02	54337	3	19,31/02	56101	6	33/02	62093	7	2,16,41,49/02
53206	6	17/02	54339	8	7,17,31/02	56103	6	18,30/02	62095	2	2,3,16,41,49/02
53220	6	2,36,43,51/02	54340	8	19,48,51/02	56104	2	41,49,50/02	62100	6	2,4,12/02
53223	5	29/02	54343	10	14,19,48/02	56191	2	18/02	62110	9	2,4/02
53226	2	15,51/02	54344	6	14,19,48/02	56195	3	22/02*	62120	6	11/02
53242	12	2/02	54346	8	14,19/02	57063	5	40,41/02	62121	9	11/02
53244	2	2/02	54347	4	51/02	57064	3	41/02	62140	1	34,40/02
53262	7	22,42/02	54350	4	51/02	57101	18	41/02	62142	10	24,28/02
53263	1	37/02	54360	12	15,19,20/02	57120	13	43/02	62143	3	24,28/02
53265	6	19,35,41,46/02	54363	3	15,19,20/02	57140	10	43/02	62144	3	24/02
53268	4	22,42/02	54365	6	15,19,36/02	57141	14	43/02	62170	2	38/02
53269	5	19/02	54366	3	15/02	57142	6	43/02	62171	4	38,47/02
53279	3	9/02	54367	3	15/02	57160	10	43/02	62191	14	22,29,41/02
53281	4	31,40/02	54368	4	20/02	57161	4	31/02	62193	17	17*,19,31/02
53282	8	40/02	54369	4	13,15/02	57162	7	43/02	62194	8	17*,18,19,31,36/02
53283	4	33/02	54372	2	20/02	57164	2	43/02	62195	6	22,36,41/02
53284	4	33,40/02	54380	6	5,19,26,42/02	57165	1	43/02	62220	8	8/02
53285	4	35/02	54382	9	26/02	57170	1	43/02	62225	3	17*,37/02
			54386	10	7,42/02	61015	8	17/02			
			54387	7	6,23,42/02	61018	4	18,24/02			





## SECTION I

NM 51/02

**CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 2/02 THROUGH NM 51/02**

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

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
95100	12	7,8,9,10,13,14,15,16,18,38,39,43,44,45,46,47,50/02	96640	5	6/02	97218	3	10,21,41/02	97481	6	10,47,49/02
			96645	1	26/02	97219	4	10,12,21,25,31/02	97483	7	48/02
			96760	4	5,7,29,35,45/02	97220	3	2,7,8,21,24,31,37,39,42,43,44/02	97521	6	19,42/02
95101	8	8,13,14,15,39,44,50/02	96762	3	29/02				800669	8	N20/02
95102	8	8,10,13,38,42,45,46,47,48,50/02	96763	7	29,43,48/02	97221	20	2,7,8,10,11,21,24,31,37,39,42,44,45,49/02	800744	1	N22,N49/02
			96764	2	5,19/02				801217	1	N5,N6,N7,N21/02
95103	8	8,13,42,43,45,47/02	96780	4	4,11/02	97222	12	11,25,28,47/02	801885	3	N28/02
95120	7	6,13,17,20,21,42,43/02	96800	4	19*,41/02	97223	3	8,42,44,48/02	801959	2	N10/02
95138	8	45,46,48,49,50/02	96820	4	6/02	97224	6	11,18,25,27,46,47,49/02	802202	8	N14,N23,N31,N35/02
95140	15	7,8,10,14,15,18,22,38,40,41,44,48,49/02	96840	3	6,19/02	97225	31	2,7,8,11,21,24,37,39,42,44,45/02	802260	5	N20/02
			96860	3	6/02				803404	2	N26/02
95141	8	7,14,45,47,50/02	96880	6	6,7,8/02	97226	7	17/02	804037	1	N28/02
95142	9	15*,18,19,50/02	96881	2	7/02	97227	11	21,24,42,43/02	804059	2	N20/02
95143	11	4,15,18,40,45,47,48,49,50/02	96882	4	7,8/02	97228	15	2,21,28,30,39,40,42,43/02	804567	4	N17/02
			96883	9	7/02				805647	2	N37,N51/02
95144	9	8,10,19,38,41,46,48,50/02	96900	4	5,7/02	97229	12	2,7,8,18,24,27,31,36,39,47/02	807861	2	N27/02
			96901	3	5,7,19,27/02				808528	1	N25/02
95146	14	7,10,19,36,38,39,40,41,44,46,47,48,50/02	96902	2	5,7,45/02	97230	18	2,29,36/02	809310	9	N13,N18,N39/02
			96904	2	5,27,41/02	97231	11	10,21,41/02	809679	2	N25,N50/02
95147	13	7,39,41,44,45,46,47,48,49/02	96906	2	27/02	97232	8	4,15,20,25/02			
			96910	1	6,7,8/02	97233	11	31,33,43,44,49/02			
95149	9	15,18,22,34,36,37,38,41,43,48,49/02	96937	2	40/02	97234	17	29,43,47,49/02			
			96938	4	9/02	97236	20	31,47/02			
95151	17	13,15,18,34,36,37,38,40,47,50/02	96941	8	47/02	97239	10	31,33/02			
			96943	15	44/02	97243	8	21,28,29,31,33,48/02			
95152	5	37,38/02	96944	6	45/02	97245	11	7,17,28,36/02			
95153	2	15,22,34,36,37,38,43/02	96945	3	43/02	97246	7	43/02			
95160	13	4,7,8,9,15,27,41,42,47/02	96949	21	45/02	97261	15	10,17,18,41/02			
95161	16	4,27,31,40,45,48,50/02	96960	3	9/02	97262	10	21,29,34/02			
95162	2	20,40,44,47/02	96962	4	19,30,35/02	97266	5	10,17,37,41/02			
95163	2	27/02	97021	7	2,16/02	97267	16	17,18,25,29,40,41/02			
95164	4	43,48/02	97026	10	23/02	97269	11	20,45/02			
95167	10	44/02	97029	3	19/02	97270	6	36,44/02			
95169	2	4,44,50/02	97040	5	43,47/02	97271	12	17,18,25,29,37,39/02			
95173	1	15,16,17,50/02	97041	9	45,47/02	97272	11	19/02			
95174	1	17,50/02	97043	2	17,23/02	97273	10	19,27,34,42,45,49/02			
95176	2	16,20,31/02	97060	8	9,46/02	97274	19	19,27,31,34,39,45/02			
95177	1	18,41,50/02	97062	12	8,9,27,44/02	97276	1	27,29,40/02			
95180	11	9,15,17,18,27,40,42,44,49/02	97064	2	8,9/02	97277	11	10,17,27/02			
			97080	5	9/02	97278	11	39/02			
95185	2	20,31,40,44,49/02	97082	5	24,46/02	97279	9	27/02			
95250	4	12,44/02	97083	3	9,24/02	97281	2	41/02			
95255	2	44/02	97100	4	20,28,42,47/02	97283	3	45/02			
95261	7	48/02	97101	1	28/02	97285	6	10,19,23,27,31,34,42/02			
95262	13	41,46/02	97104	4	8,10,20/02	97286	6	10,11,21,23,25,27,31,34,35,36,41,42/02			
95264	8	6,48/02	97105	3	8,10,20/02						
95267	5	11,17/02	97120	6	2,15,22,28,31,37,40,42,43/02	97287	5	11,34/02			
95268	16	39,48/02				97300	6	12/02			
95270	4	8,48/02	97140	17	2,10,15,22,33,37,39,43,45/02	97303	3	18,25,47,48/02			
95271	4	44,48/02				97320	6	33/02			
95273	2	48/02	97141	5	13*,19,21,40,46/02	97340	8	27,33,38/02			
95274	3	48/02	97143	11	2,21,31,43,45/02	97341	9	2,27,34/02			
95276	3	21/02*	97144	14	44*,46/02	97342	14	27,38/02			
95280	9	2,17,48/02	97145	1	2,15,22,43/02	97343	12	27,38/02			
95282	7	46/02	97146	10	44/02*	97360	6	20,23,27,38/02			
95300	5	2,16,45,48/02	97148	9	21*,23,45/02	97380	7	21,39,47/02			
95320	15	8,35,38/02	97149	20	25,34,35,44,45/02	97381	7	27/02			
95341	8	8,10,11,18,19,42,47/02	97150	13	34,39,43,44/02	97382	2	41,45/02			
95342	16	30/02	97151	16	31,35,44,45/02	97383	16	31/02			
96000	5	6,8/02	97152	8	37/02	97384	4	47/02			
96004	14	16,17,44,45/02	97153	7	31/02	97385	10	31/02			
96012	16	7,8,11/02	97154	2	36/02	97389	1	39/02			
96016	7	11,12/02	97155	14	2,20,31,35,36,37,39,40,48/02	97390	5	7,31,39,40/02			
96020	4	6,7,41/02				97391	26	31/02			
96024	3	6,7,8/02	97156	6	2,21,37/02	97392	5	21/02			
96028	5	6,7,8/02	97157	1	35,37/02	97396	14	7,18,21,36,39,40/02			
96032	3	38/02	97159	6	33,39/02	97397	7	3,8,18,25,39,49/02			
96039	7	16,17,30/02	97163	14	23/02	97398	3	21,25,49/02			
96041	11	16,17,30/02	97166	1	33/02	97400	3	25,26/02			
96042	11	16/02	97167	2	23,33/02	97410	8	11,21/02			
96043	8	16/02	97180	6	8,9,11,22,31,34,39,43,45,46,48/02	97412	7	40/02			
96044	10	8,29,30/02				97420	17	8,9,21,34,39,42,47/02			
96120	6	30/02	97181	20	8,9,11,18,22,25,31,34,46,48/02	97421	13	20,35,36/02			
96130	2	9/02				97423	2	20,35,36/02			
96140	5	30/02	97182	13	11,18,21,23,31,34,39,46,48/02	97425	6	10,34,39,47/02			
96141	4	9/02				97440	8	20,23,27/02			
96181	5	9/02	97183	9	25,44/02	97441	5	20,46/02			
96200	5	8,9/02	97184	15	25,28,47/02	97460	7	40/02			
96240	4	8,11/02	97185	2	43/02	97461	9	4,5,21/02			
96300	4	11,12/02	97187	3	44,48/02	97465	9	5,21/02			
96320	4	12/02	97189	2	25,28,44/02	97466	2	5,25,46/02			
96340	4	12/02	97190	2	8,9,22,34,39/02	97469	10	7,26/02			
96360	4	12/02	97200	9	11/02	97471	5	N7,N31/02			
96441	1	41/02	97202	15	43,44/02	97472	8	6,7,34/02			
96480	3	6,7,8,41/02	97204	9	2,10,28,29,45/02	97473	7	5/02			
96500	6	6,8,41/02	97206	2	10,12/02	97474	7	21/02			
96521	3	N19/02*	97207	3	11/02	97480	7	12,21,35/02			

## NIMA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

Note: Underlining indicates that column in which a correction has been made or new information added.			Edition		Price Category	Page(s)	NTM
NIMA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date			
71AHA71248 (7642014935880)	REGION 7 Approaches to Changi Naval Base	20,000	<u>2</u>	<u>7/02</u>	DS	7-30	51/02

## Price Categories effective 1 October 2002

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

CHS Canadian Hydrographic Service  
 DS Distribution Limited  
 GPO Government Printing Office  
 NOS National Ocean Service  
 \* Not for sale or reproduction outside U.S.A.

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## NAVIGATION PUBLICATIONS

## SAILING DIRECTIONS CORRECTIONS

**PUB 127**      **6 Ed 2000**      **LAST NM 49/02**

Page 94—Line 22/L; read:  
depth in the harbor entrance is 24.3m. A wreck, with a least depth of 12.1m, lies just SW of South Head in Eastern Channel.

(44(4715)02 Taunton) 51/02

Page 293—Lines 29 to 34/L; read:

Pilot Boarding Areas Alpha and Bravo are situated about 3.4 and 2.4 miles NE of Heyward Point. Vessels approaching the boarding ground from the S should not hold Taiaroa Head Lighthouse on a bearing of less than 200° until Heyward Point bears less than 255°.

(44(4727)02 Taunton) 51/02

**PUB 163**      **8 Ed 2002**      **LAST NM 46/02**

Page 98—Line 12/R; insert after:

A stranded wreck, best seen on the chart, lies 7 miles WSW of Pulau Rakata. All vessels should navigate with caution in this area.

(Jakarta 36(285)02) 51/02

**PUB 173**      **7 Ed 2002**      **LAST NM 50/02**

Page 97—Lines 56 to 57/R; read:

**Dhanushkodi** (9°11'N., 79°25'E.), about 2 miles NW of Lands End, is connected to the

(NIMA) 51/02

**PUB 195**      **7 Ed 2002**      **LAST NM 49/02**

Page 111—Lines 18 to 19/R; read:

alongside. It can handle tankers up to 200m in length and 9.3m draft.

(BA NP 20) 51/02

## COAST PILOT CORRECTIONS

**COAST PILOT 1**      **32 Ed 2001**      **Change No. 20**  
**LAST NM 49/02**

Page 275—Paragraphs 2 to 5; read:

Federal Aviation Administration  
National Aeronautical Charting Office  
Distribution Division (AVN-530)  
6303 Ivy Lane, Suite 400  
Greenbelt, MD 20770-6325.

(CL 1685/02) 51/02

Page 275—Paragraph 6, lines 7 to 11; read:

301-436-8301 or toll-free 1-800-638-8972 (Visa, Mastercard or Discover accepted); or by FAX, 301-436-6829 or by Email: 9-AMC-Chartsales@faa.gov. Sales ...

(CL 1685/02) 51/02

**COAST PILOT 2****31 Ed 2001****Change No. 22**  
**LAST NM 48/02**

Page 175—Paragraph 9, line 2; read:

Block Island Southeast Light, has a least known depth of 21 feet ...

(H-10795; BPs 171809-10) 51/02

Page 299—Paragraphs 2 to 5; read:

Federal Aviation Administration  
National Aeronautical Charting Office  
Distribution Division (AVN-530)  
6303 Ivy Lane, Suite 400  
Greenbelt, MD 20770-6325.

(CL 1685/02) 51/02

Page 299—Paragraph 6, lines 7 to 11; read:

301-436-8301 or toll-free 1-800-638-8972 (Visa, Mastercard or Discover accepted); or by FAX, 301-436-6829 or by Email: 9-AMC-Chartsales@faa.gov. Sales ...

(CL 1685/02) 51/02

**COAST PILOT 3****35 Ed 2002****Change No. 21**  
**LAST NM 49/02**

Page 268—Paragraphs 2 to 5; read:

Federal Aviation Administration  
National Aeronautical Charting Office  
Distribution Division (AVN-530)  
6303 Ivy Lane, Suite 400  
Greenbelt, MD 20770-6325.

(CL 1685/02) 51/02

Page 268—Paragraph 6, lines 7 to 11; read:

301-436-8301 or toll-free 1-800-638-8972 (Visa, Mastercard or Discover accepted); or by FAX, 301-436-6829 or by Email: 9-AMC-Chartsales@faa.gov. Sales ...

(CL 1685/02) 51/02

**COAST PILOT 4****34 Ed 2002****Change No. 1**  
**LAST NM 49/02**

Page 131—Paragraph 3039; read:

(c) *Approaching North Atlantic right whales.*

(FR 5/31/01; 50 CFR 224) 51/02

Page 220—Paragraph 76, lines 3 to 5; read:

Route 17 highway bridge at Jacksonville. In July-August 2002, the controlling depth was 11.9 feet in the channel to Light 17, thence 8.4 feet to Light 23; thence 5 feet at mid-channel in 1993-January ...

(BP 178203; BP 178694; LL/02) 51/02

Page 228—Paragraph 136, line 15; read:

Entrance Lighted Whistle Buoy CF (33°48'10"N., 78°05'15"W.); the ...

(24/02 CG5; LL/01) 51/02

**COAST PILOT 4 (Continued)**

Page 231—Paragraph 13, lines 7 to 10; read:  
4.2 feet at the inlet and about 2 feet at Supply. In August 2001, the reported midchannel controlling depths were 4.3 feet from the Intracoastal Waterway to Lockwoods Folly River Daybeacon 10, thence 3.7 feet to Daybeacon 16, thence 2.3 feet to Supply. The river ...  
(CL 132/02) 51/02

Page 356—Paragraphs 2 to 5; read:  
Federal Aviation Administration  
National Aeronautical Charting Office  
Distribution Division (AVN-530)  
6303 Ivy Lane, Suite 400  
Greenbelt, MD 20770-6325.  
(CL 1685/02) 51/02

Page 356—Paragraph 6, lines 7 to 11; read:  
301-436-8301 or toll-free 1-800-638-8972 (Visa, Mastercard or Discover accepted); or by FAX, 301-436-6829 or by Email: 9-AMC-Chartsales@faa.gov. Sales ...  
(CL 1685/02) 51/02

**COAST PILOT 5            29 Ed 2002            Change No. 34  
LAST NM 49/02**

Page 445—Paragraphs 2 to 5; read:  
Federal Aviation Administration  
National Aeronautical Charting Office  
Distribution Division (AVN-530)  
6303 Ivy Lane, Suite 400  
Greenbelt, MD 20770-6325.  
(CL 1685/02) 51/02

Page 445—Paragraph 6, lines 7 to 11; read:  
301-436-8301 or toll-free 1-800-638-8972 (Visa, Mastercard or Discover accepted); or by FAX, 301-436-6829 or by Email: 9-AMC-Chartsales@faa.gov. Sales ...  
(CL 1685/02) 51/02

**COAST PILOT 6            32 Ed 2002            Change No. 16  
LAST NM 49/02**

Page 173—Paragraph 318, lines 1 to 5; read:  
In July-August 2002, the controlling depths were 22.1 feet at midchannel in the entrance channel and outer basin channel to the piers, thence 17.3 feet (19.3 feet at midchannel) to the turning basin with 15 to 18 feet in the basin, thence 3.7 feet (6.2 feet at midchannel) to the ...  
(BPs 179188-89; CL 1916/02) 51/02

Page 386—Paragraphs 2 to 5; read:  
Federal Aviation Administration  
National Aeronautical Charting Office  
Distribution Division (AVN-530)  
6303 Ivy Lane, Suite 400  
Greenbelt, MD 20770-6325.  
(CL 1685/02) 51/02

Page 386—Paragraph 6, lines 7 to 11; read:  
301-436-8301 or toll-free 1-800-638-8972 (Visa, Mastercard

or Discover accepted); or by FAX, 301-436-6829 or by Email: 9-AMC-Chartsales@faa.gov. Sales ...  
(CL 1685/02) 51/02

**COAST PILOT 6            32 Ed 2002            Change No. 17**

Page 213—Paragraph 38, lines 5 to 7; read:  
detached breakwater marked by two lights on each end, and the NW basin is marked by two lights.  
(FR 6/7/02; FR 10/30/02; CL 1120/02;  
LL/02; NOS 14853) 51/02

Page 273—Paragraph 352, line 5; read:  
Power Plant, 6 miles SSW of South Haven, is prominent. A **security zone** has been established in the waters of Lake Michigan off the Palisades Nuclear Power Plant. (See **33 CFR 165.1 through 165.8, 165.30 through 165.33, and 165.910**, chapter 2 for limits and regulations.)  
(FR 8/16/02; FR 10/23/02; NOS 14905) 51/02

Page 275—Paragraph 373, line 7; read:  
Nuclear Plant, 10 miles SSW of St. Joseph, is prominent. A **security zone** has been established in the waters of Lake Michigan off the Donald C. Cook Nuclear Plant. (See **33 CFR 165.1 through 165.8, 165.30 through 165.33, and 165.910**, chapter 2 for limits and regulations.)  
(FR 8/16/02; FR 10/23/02; NOS 14905) 51/02

Page 294—Paragraph 583, lines 1 to 3; read:  
The **Jardine Water Filtration Plant** is on a bulkheaded fill area just N of Navy Pier. The outer ends of the bulkheads are marked by private lights. A **security zone** has been established in the waters between the Navy Pier and the water filtration plant. (See **33 CFR 165.1 through 165.8, 165.30 through 165.33, and 165.910**, chapter 2 for limits and regulations.) An area of fish nets, marked by private ...  
(FR 8/16/02; FR 10/23/02; NOS 14928) 51/02

Page 298—Paragraph 611, line 6; read:  
Crib is marked by a private light with a fog signal. A **security zone** has been established in the waters of Lake Michigan around the William E. Dever Crib. (See **33 CFR 165.1 through 165.8, 165.30 through 165.33 and 165.910**, chapter 2 for limits and regulations.)  
(FR 8/16/02; FR 10/23/02; NOS 14927) 51/02

Page 305—Paragraph 648, lines 2 to 3; read:  
powerplant (Zion Nuclear Power Plant) at **Zion**, 6 miles N of Waukegan, are reported to be prominent from offshore. A **security zone** has been established in the waters of Lake Michigan off the Commonwealth Edison Co. nuclear power plant. (See **CFR 165.1 through 165.8, 165.30 through 165.33, and 165.910**, chapter 2 for limits and regulations.)  
(FR 8/16/02; FR 10/23/02; NOS 14904) 51/02

## COAST PILOT 6      32 Ed 2002      Change No. 18

Page 84—Paragraph 1882, line 6; read:  
prohibited at all times.

**§165.910 Security Zones; Captain of the Port Chicago Zone, Lake Michigan.**

(a) *Security Zones.* The following areas, defined by coordinates based upon North American Datum 1983, are security zones:

(1) *Navy Pier Northside.*

(i) *Location.* All waters between the Navy Pier and the Jardine Water Filtration Plant shoreward of a line drawn from the southeast corner of the Jardine Water Filtration Plant at 41°53'36"N., 87°36'10"W., to the northeast corner of the Navy Pier at 41°53'32"N., 87°35'55"W., then following the Navy Pier, seawall, and Jardine Water Filtration Plant back to the beginning.

(ii) *Regulations.* The Captain of the Port Chicago will normally permit those U.S. Coast Guard certificated passenger vessels that normally load and unload passengers at Navy Pier to operate in the zone. However, should the Captain of the Port Chicago determine it is appropriate, he will require even those U.S. Coast Guard certificated passenger vessels which normally load and unload passengers at Navy Pier to request permission before leaving or entering the security zones. The Captain of the Port Chicago will notify these vessels via Broadcast Notice to Mariners if they must notify the Coast Guard before entering or transiting the security zone. As such, vessels that regularly operate within this zone are responsible for monitoring Broadcasts Notice to Mariners for the Chicago area. These broadcasts will be made by U.S. Coast Guard Group Milwaukee.

(2) *Dresden Nuclear Power Plant.* All waters of the Illinois River in the vicinity of Dresden Nuclear Power Plant encompassed by a line starting on the shoreline at 41°23'45"N., 88°16'18"W.; then east to the shoreline at 41°23'39"N., 88°16'09"W.; then following along the shoreline back to the beginning.

(3) *Donald C. Cook Nuclear Power Plant.* All waters of Lake Michigan around the Donald C. Cook Nuclear Power Plant encompassed by a line starting on the shoreline at

41°58.656'N., 86°33.972'W.; then northwest to 41°58.769'N., 86°34.525'W.; then southwest to 41°58.589'N., 86°34.591'W.; then southeast to the shoreline at

41°58.476'N., 86°34.038'W.; and following along the shoreline back to the beginning.

(4) *Palisades Nuclear Power Plant.* All waters of Lake Michigan around the Palisades Nuclear Power Plant within a line starting on the shoreline at

42°19'07"N., 86°19'05"W.; then northwest to 42°19'22"N., 86°19'54"W.; then north to 42°19'44"N., 86°19'43"W.; then southeast back to the shoreline at

42°19'31"N., 86°18'50"W.; then following along the shoreline back to the beginning.

(5) *Byron Nuclear Power Plant.* All waters of the Rock

River encompassed by the arc of a circle with a 100-yard radius with its center in approximate position 42°05'01"N., 89°19'27"W.

(6) *Zion Nuclear Power Plant.* All waters of Lake Michigan encompassed by a line starting on the shoreline at

42°26'36"N., 87°48'03"W.; then southeast to 42°26'20"N., 87°47'35"W.; then northeast to 42°26'53"N., 87°47'22"W.; then northwest to the shoreline at

42°27'06"N., 87°48'00"W.; then following along the shoreline back to the beginning.

(7) *68<sup>th</sup> Street Water Intake Crib.* All waters of Lake Michigan within the arc of a circle with a 100-yard radius of the 68<sup>th</sup> Street Crib with its center in approximate position 41°47'10"N., 87°31'51"W.

(8) *Dever Water Intake Crib.* All waters of Lake Michigan within the arc of a circle with a 100-yard radius of the Dever Crib with its center in approximate position 41°54'55"N., 87°34'20"W.

(9) *9<sup>th</sup> Street Water Intake Crib.* All waters of Lake Michigan within the arc of a circle with a 100-yard radius of the 9<sup>th</sup> Street Water Filtration Plant with its center in the approximate position 41°45'30"N., 87°32'32"W.

(b) *Regulations.* (1) Under §165.33, entry into these zones is prohibited unless authorized by the Coast Guard Captain of the Port Chicago. Section 165.33 also contains other general requirements.

(2) All persons and vessels shall comply with the instruction of the Captain of the Port Chicago or the designated on-scene U.S. Coast Guard patrol personnel. On-scene patrol personnel include commissioned, warrant, and petty officers of the U.S. Coast Guard on board Coast Guard, Coast Guard Auxiliary, local, state, and federal law enforcement vessels. Emergency response vessels are authorized to move within the zone but must abide by the restrictions imposed by the Captain of the Port.

(3) Persons who would like to transit through a security zone in this section must contact the Captain of the Port at telephone number 630-986-2175 or on VHF channel 16 (121.5 MHz) to seek permission to transit the area. If permission is granted, all persons and vessels shall comply with the instructions of the Captain of Port or his or her designated representative.

(c) *Authority.* In addition to 33 U.S.C. 1231 and 50 U.S.C. 191, the authority for this section includes 33 U.S.C. 1226.

**§165.915 Security zones; Captain of the Port Toledo Zone, Lake Erie.**

(a) *Security zones.* The following areas are security zones:

(1) *Enrico Fermi 2 Nuclear Power Station.* All waters and adjacent shoreline encompassed by a line commencing at

41°58.4'N., 083°15.4'W.; then northeast to 41°58.5'N., 083°15.0'W.; then southeast to 41°58.2'N., 083°13.7'W.; then south to 41°56.9'N., 083°13.8'W.; then west to 41°56.9'N., 083°15.2'W.; then back to the starting

**COAST PILOT 6 (Continued)**

point at

41°58.4'N., 083°15.4'W. (NAD 83).

(2) *Davis Besse Nuclear Power Station*. All waters and adjacent shoreline encompassed by a line commencing at

41°36.1'N., 083°04.7'W.; north to

41°37.0'N., 083°03.9'W.; east to

41°35.9'N., 083°02.5'W.; southwest to

41°35.4'N., 083°03.7'W.; then back to the starting

point

41°36.1'N., 083°04.7'W (NAD 83).

(b) *Regulations*. (1) In accordance with §165.33, entry into this zone is prohibited unless authorized by the Coast Guard Captain of the Port Toledo Section 165.33 also contains other general requirements.

(2) Persons desiring to transit through either of these security zones, prior to transiting, must contact the Captain of the Port Toledo at telephone number (419) 418-6050, or on VHF/FM channel 16 and request permission. If permission is granted, all persons and vessels shall comply with the instructions of the Captain of the Port or his or her designated representative.

(c) *Authority*. In addition to 33 U.S.C. 1231 and 50 U.S.C. 191, the authority for this section includes 33 U.S.C. 1226.

**§165.916 Security Zones; Captain of the Port Milwaukee Zone, Lake Michigan.**

(a) *Location*. The following are security zones:

(1) *Kewaunee*. All navigable waters of Western Lake Michigan encompassed by a line commencing from a point on the shoreline at

44°20.6'N., 087°32.0'W., then easterly to

44°20.6'N., 087°31.9'W., then southerly to

44°20.4'N., 087°31.9'W., then westerly to

44°20.4'N., 087°32.1'W., then northerly following the shoreline back to the point of origin. All coordinates are based upon North American Datum 1983.

(2) *Point Beach*. All navigable waters of Western Lake Michigan encompassed by a line commencing from a point on the shoreline at

44°17.06'N., 087°32.15'W., then northeasterly to

44°17.12'N., 087°31.59'W., then southeasterly to

44°16.48'N., 087°31.42'W., then southwesterly to

44°16.42'N., 087°32.02'W., then northwesterly along the shoreline back to the point of origin. All coordinates are based upon North American Datum 1983.

(b) *Regulations*. (1) In accordance with §165.33, entry into this zone is prohibited unless authorized by the Coast Guard Captain of the Port Milwaukee. Section 165.33 also contains other general requirements.

(2) Persons desiring to transit the area of the security zone may contact the Captain of the Port at telephone number 414-747-7155 or on VHF-FM Channel 16 to seek permission to transit the area. If permission is granted, all persons and vessels shall comply with the instructions of the Captain of the Port or his or her designated representative.

(c) *Authority*. In addition to 33 U.S.C. 1231 and 50 U.S.C. 191, the authority for this section includes 33 U.S.C. 1226.

**Subpart G-Protection of Naval Vessels****§165.2010 Purpose.**

This subpart establishes the geographic parameters of naval vessel protection zones surrounding U.S. naval vessels in the navigable waters of the United States. This subpart also establishes when the U.S. Navy will take enforcement action in accordance with the statutory guideline of 14 U.S.C. 91. Nothing in the rules and regulations contained in this subpart shall relieve any vessel, including U.S. naval vessels, from the observance of the Navigation Rules. The rules and regulations contained in this subpart supplement, but do not replace or supercede, any other regulation pertaining to the safety or security of U.S. naval vessels.

**§165.2015 Definitions.**

The following definitions apply to this subpart:

*Atlantic Area* means that area described in 33 CFR 3.04–1 Atlantic Area.

*Large U.S. naval vessel* means any U.S. naval vessel greater than 100 feet in length overall.

*Naval defensive sea area* means those areas described in 32 CFR part 761.

*Naval vessel protection zone* is a 500-yard regulated area of water surrounding large U.S. naval vessels that is necessary to provide for the safety or security of these U.S. naval vessels.

*Navigable waters of the United States* means those waters defined as such in 33 CFR part 2.

*Navigation rules* means the Navigation Rules, International-Inland.

*Official patrol* means those personnel designated and supervised by a senior naval officer present in command and tasked to a monitor a naval vessel protection zone, permit entry into zone, give legally enforceable orders to persons or vessels within the zone, and take other actions authorized by the U.S. Navy.

*Pacific Area* means that area described in 33 CFR 3.04–3 Pacific Area.

*Restricted area* means those areas established by the Army Corps of Engineers and set out in 33 CFR part 334.

*Senior naval officer present in command* is, unless otherwise designated by competent authority, the senior line officer of the U.S. Navy on active duty, eligible for command at sea, who is present and in command of any part of the Department of Navy in the area.

*U.S. naval vessel* means any vessel owned, operated, chartered, or leased by the U.S. Navy; any pre-commissioned vessel under construction for the U.S. Navy, once launched into the water; and any vessel under the operational control of the U.S. Navy or a Combatant Command.

*Vessel* means every description of watercraft or other artificial contrivance used, or capable of being used, as a means of transportation on water, except U.S. Coast Guard or U.S. naval vessels.

**§165.2020 Enforcement authority.**

(a) *Coast Guard*. Any Coast Guard commissioned, warrant or petty officer may enforce the rules and regulations

**COAST PILOT 6 (Continued)**

contained in this subpart.

(b) *Senior naval officer present in command.* In the navigable waters of the United States, when immediate action is required and representatives of the Coast Guard are not present or not present in sufficient force to exercise effective control in the vicinity of large U.S. naval vessels, the senior naval officer present in command is responsible for the enforcement of the rules and regulations contained in this subpart to ensure the safety and security of all large naval vessels present. In meeting this responsibility, the senior naval officer present in command may directly assist any Coast Guard enforcement personnel who are present.

**§165.2025 Atlantic Area.**

(a) This section applies to any vessel or person in the navigable waters of the United States within the boundaries of the U.S. Coast Guard Atlantic Area, which includes the First, Fifth, Seventh, Eighth and Ninth U.S. Coast Guard Districts.

**Note to §165.2025 paragraph (a):** The boundaries of the U.S. Coast Guard Atlantic Area and the First, Fifth, Seventh, Eighth and Ninth U.S. Coast Guard Districts are set out in 33 CFR part 3.

(b) A naval vessel protection zone exists around U.S. naval vessels greater than 100 feet in length overall at all times in the navigable waters of the United States, whether the large U.S. naval vessel is underway, anchored, moored, or within a floating dry dock, except when the largest naval vessel is moored or anchored within a restricted area or within a naval defensive area.

(c) The Navigation Rules shall apply at all times within a naval vessel protection zone.

(d) When within a naval protection zone, all vessels shall operate at the minimum speed necessary to maintain a safe course, unless required to maintain speed by the Navigation Rules, and shall proceed as directed by the Coast Guard, the senior naval officer present in command, or the official patrol. When within a naval vessel protection zone, no vessel or person is allowed within 100 yards of a large U.S. naval vessel unless authorized by the Coast Guard, the senior naval officer present in command, or official patrol.

(e) To request authorization to operate within 100 yards of a large U.S. naval vessel, contact the Coast Guard, the senior, naval officer present in command, or the official patrol on VHF-FM channel 16.

(f) When conditions permit, the Coast Guard, senior naval officer present in command, or the official patrol should:

- (1) Give advance notice on VHF-FM channel 16 of all large U.S. naval movements;
- (2) Permit Vessels constrained by their navigational draft or restricted in their ability to maneuver to pass within 100 yards of a large U.S. naval vessel in order to ensure a safe passage in accordance with Navigation Rules; and
- (3) Permit commercial vessels anchored in a designated anchorage area to remain at anchor when within 100 yards of passing large U.S. naval vessels; and
- (4) Permit vessels that must transit via a navigable channel or waterway to pass within 100 yards of a moored or anchored large U.S. naval vessel with minimal delay

consistent with security.

**Note to §165.2025 paragraph (f):** The listed actions are discretionary and do not create any additional right to appeal or otherwise dispute a decision of the Coast Guard, the senior naval officer present in command, or the official patrol.

(FR 5/13/02; FR 6/4/02; FR 6/7/02; FR 7/31/02; FR 8/16/02; FR 10/23/02; FR 10/30/02; CL 1097/02; CL 1120/02; CL 1483/02; CL 1523/02; CL 1593/02 51/02

**COAST PILOT 7 33 Ed 2001 Change No. 32  
LAST NM 39/02**

Page 467—Paragraphs 2 to 5; read:

Federal Aviation Administration  
National Aeronautical Charting Office  
Distribution Division (AVN-530)  
6303 Ivy Lane, Suite 400  
Greenbelt, MD 20770-6325.

(CL 1685/02) 51/02

Page 467—Paragraph 6, lines 7 to 11; read:

301-436-8301 or toll-free 1-800-638-8972 (Visa, Mastercard or Discover accepted); or by FAX, 301-436-6829 or by Email: 9-AMC-Chartsales@faa.gov. Sales ...

(CL 1685/02) 51/02

**COAST PILOT 8 24 Ed 2002 Change No. 13  
LAST NM 50/02**

Page 268—Paragraphs 2 to 5; read:

Federal Aviation Administration  
National Aeronautical Charting Office  
Distribution Division (AVN-530)  
6303 Ivy Lane, Suite 400  
Greenbelt, MD 20770-6325.

(CL 1685/02) 51/02

Page 268—Paragraph 6, lines 7 to 11; read:

301-436-8301 or toll-free 1-800-638-8972 (Visa, Mastercard or Discover accepted); or by FAX, 301-436-6829 or by Email: 9-AMC-Chartsales@faa.gov. Sales ...

(CL 1685/02) 51/02

**COAST PILOT 9 20 Ed 2002 Change No. 8  
LAST NM 50/02**

Page 356—Paragraphs 2 to 5; read:

Federal Aviation Administration  
National Aeronautical Charting Office  
Distribution Division (AVN-530)  
6303 Ivy Lane, Suite 400  
Greenbelt, MD 20770-6325.

(CL 1685/02) 51/02

Page 356—Paragraph 6, lines 7 to 11; read:

301-436-8301 or toll-free 1-800-638-8972 (Visa, Mastercard or Discover accepted); or by FAX, 301-436-6829 or by Email: 9-AMC-Chartsales@faa.gov. Sales ...

(CL 1685/02) 51/02

**SECTION II**

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
40 6675	<b>Halfway Rock Light</b>	43 39 21 N 70 02 12 W	<b>FI R 5s</b>	77	19	White tower attached to dwelling. 76	Emergency light of reduced intensity when main light is extinguished. HORN: 2 blasts ev 30s (2s bl-2s si-2s bl-24s si). Operates continuously.
		*					51/02
<b>GEORGES BANK AND NANTUCKET SHOALS (Chart 13200)</b>							
330	<b>Eastern Point Light</b>	42 34 49 N 70 39 52 W	<b>FI W 5s</b>	57	24	White conical tower, covered way to dwelling. 36	Lighted throughout 24 hours. Emergency light of reduced intensity when main light is extinguished.
		*					51/02
350 9975	<b>Bakers Island Light</b>	42 32 11 N 70 47 09 W	<b>AI W R 20s</b>	111	W 16 R 14	White conical tower.	Emergency light FI W 10s and horn of reduced intensity when main light or horn is extinguished. HORN: 1 blast ev 30s (3s bl).
		*					51/02
390	<b>The Graves Light</b>	42 21 54 N 70 52 09 W	<b>FI (2) W 12s</b> 0.1s fl 1.8s ec. 0.1s fl 10s ec.	98	15	On light gray conical granite tower. 113	Emergency light of reduced intensity when main light is extinguished. HORN: 2 blasts ev 20s (2s bl-2s si-2s bl-14s si).
		*					* 51/02
545 13650	<b>Nantucket (Great Point) Light</b>	41 23 25 N 70 02 54 W	<b>FI W 5s</b> <b>(R sector)</b>	71	W 14 R 12	On white tower. 70	Red from 084° to 106°. Covers Cross Rip and Tuckernuck Shoals.
		*					51/02
<b>APPROACHES TO NEW YORK - NANTUCKET SHOALS TO FIVE FATHOM BANK (Chart 12300)</b>							
640	<b>Block Island Southeast Light</b>	41 09 10 N 71 33 04 W	<b>FI G 5s</b>	261	20	Red-brick octagonal, pyramidal tower attached to dwelling. 67	Lighted throughout 24 hours. Emergency light of reduced intensity when main light is extinguished. Emergency light is offset from main light. HORN: 1 blast ev 30s (3s bl).
		*					51/02
950	- LIGHT	45 07 42 N 67 08 02 W	<b>FI W 2.5s</b>	101	7	White skeleton tower surmounted by platform.	Higher intensity beam towards Todds Point.
		*					51/02
1305	EMMS ROCK LIGHT 9	44 31 45 N 67 33 56 W	<b>FI G 4s</b>	28	5	SG on gray tower.	Higher intensity beam toward entrance. Breakwater submerged at highwater.
		*					51/02
<b>Bass Harbor</b>							
2335	- Head Light	44 13 19 N 68 20 14 W	<b>Oc R 4s</b>	56	13	White tower connected to dwelling.	Lighted throughout 24 hours.
		*					51/02

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

## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
2700	- LIGHT	44 08 03 N 68 26 50 W	Oc W 4s	75	9	White square tower connected to dwelling.	51/02
		*					
3760	Heron Neck Light	44 01 30 N 68 51 44 W	F R (W sector)	92	R 10 W 13	White tower connected to dwelling. 20	Lighted throughout 24 hours. White from 030° to 063°. Emergency light of reduced intensity when main light is extinguished. HORN: 1 blast ev 30s (3s bl).  51/02
		*					
3885	Goose Rocks Light On ledge.	44 08 08 N 68 49 50 W	FI R 6s (W sector)	51	R 11 W 12	White conical tower, black cylindrical foundation.	White from 301° to 304°. HORN: 1 blast ev 10s (1s bl).  51/02
		*					
5145	Pemaquid Point Light	43 50 12 N 69 30 21 W	FI W 6s	79	14	White conical tower.	51/02
		*					
5420	Ram Island Light	43 48 14 N 69 35 57 W	Iso R 6s	36	W 11 R 9	Gray tower with white top.	White from 258° to 261° and from 030° to 046°, covers fairways. HORN: 1 blast ev 30s (3s bl).  51/02
		*					
6125	- LIGHT 25	43 50 11 N 69 47 51 W	FI G 4s	22	4	SG on skeleton tower, small white house.	Ra ref.  51/02
		*					
<b>CASCO BAY (Chart 13290)</b>							
<b>New Meadows River Approach</b>							
6440	FULLER ROCK LIGHT	43 41 45 N 69 50 01 W	FI W 4s	25	6	NR on white skeleton tower.	51/02
		*					
6580	BIRCH POINT LIGHT 8	43 49 33 N 69 52 11 W	FI R 4s	25	5	TR on white structure with small white house.	Higher intensity beam downstream.  51/02
		*					
6700	LITTLE MARK ISLAND MONUMENT LIGHT	43 42 32 N 70 01 52 W	FI W 4s	74	5	Black and white square stone pyramid.	51/02
		*					
6845	WHALEBOAT ISLAND LIGHT	43 44 31 N 70 03 40 W	FI W 6s	47	6	NR on white square skeleton tower.	51/02
		*					
9315	IPSWICH LIGHT	42 41 07 N 70 45 58 W	Oc W 4s	30	9	NR on skeleton tower.	51/02
		*					

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

**SECTION II**

CORRECTIONS TO C. G. LIGHT LIST, VOLUME I LIGHT LIST, 2002							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
10140	DERBY WHARF LIGHT	42 30 59 N 70 53 01 W	<b>F I R</b> 6s	25	4	White square tower.	Maintained by the U.S. National Park Service.
		*					51/02
10900	- LIGHT 7	42 20 17 N 71 00 29 W	<b>F I G</b> 4s	15	5	SG on pile.	
		*					51/02
11235	PLEASURE BAY JETTY LIGHT	42 19 51 N 71 00 55 W	<b>F I W</b> 2.5s	25	6	NR on skeleton tower.	
		*					51/02
11440	GALLOPS ISLAND LIGHT 7	42 19 32 N 70 55 57 W	<b>F I G</b> 4s	29	5	SG on skeleton tower.	HORN: 2 blasts ev 20s (2s bl-2s si-2s bl-14s si).
		*					51/02
11519	- LIGHT 4P East of Sunken Ledge.	42 17 39 N 70 57 24 W	<b>F I R</b> 46s	26	4	TR on grey skeleton tower on pile structure.	
		*					51/02
	<b>Western Way</b>						
11529	- LIGHT 1	42 16 49 N 70 56 35 W	<b>F I G</b> 4s	31	5	SG on pile.	
		*		*			51/02
12520	- BREAKWATER LIGHT 8	42 04 38 N 70 38 35 W	<b>F I R</b> 2.5s		5	TR on spindle.	
		*			*		51/02
13290	PROVINCETOWN HARBOR BREAKWATER EAST END LIGHT 5	42 03 05 N 70 10 33 W	<b>F I G</b> 6s	32	6	SG on skeleton tower.	
		*					51/02
15150	NANTUCKET EAST BREAKWATER LIGHT 3	41 18 37 N 70 06 00 W	<b>F I G</b> 4s	30	9	SG on skeleton tower.	Higher intensity beam northwesterly. HORN: 1 blast ev 10s (1s bl).
		*					51/02
15615	CUTTYHUNK LIGHT	41 24 51 N 70 56 59 W	<b>Q W</b>	63	8	NR on small house at base of white skeleton tower. 45	
		*					51/02
15955	- ENTRANCE JETTY LIGHT 3	41 21 16 N 70 46 07 W	<b>F I G</b> 4s	25	9	SG on skeleton tower.	
		*					51/02
16040 16731	DUMPLING ROCKS LIGHT 7 On rock.	41 32 18 N 70 55 17 W	<b>F I G</b> 6s	52	8	SG on skeleton tower.	
		*					51/02

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

## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
16070	<i>Buzzards Bay Lighted Bell Buoy 11</i>	41 36 28 N 70 43 32 W	FI G 4s		4	Green.	Replaced by LIB when endangered by ice.
	*						51/02
16897	NEW BEDFORD WEST BARRIER LIGHT	41 37 37 N 70 54 22 W	Q G	48	8		Higher intensity beam up and down channel. Emergency light of reduced intensity when main light is extinguished. HORN: 1 blast ev 10s (1s bl).
	*						51/02
21440	Execution Rocks Light	40 52 41 N 73 44 16 W	FI W 10s	62	15	White stone tower, brown band midway of height; granite dwelling attached.	Horn operates from Apr. 1 to Nov. 1. RACON: X (- • • -) Emergency light of reduced intensity when main light is extinguished. HORN: 1 blast ev 15s (2s bl).
	*						51/02
21505	STEPPING STONES LIGHT Marks outer end of reef.	40 49 28 N 73 46 29 W	Oc G 4s	46	8	Red brick on granite pier; white band on southwest face of pier.	
	*						51/02
21520	Throgs Neck Light	40 48 16 N 73 47 26 W	F R	60	11	NB on skeleton tower.	
	*						51/02
22020	- UPPER DIRECTIONAL LIGHT	41 23 34 N 72 05 47 W	Iso W 6s (G & R sector)	21		On pile.	Shows green from 174.5° to 177.5°; white from 177.5° to 180.5°; red from 180.5° to 183.5°; with a F W passing light.
	*						51/02
22035	- MIDDLE RANGE FRONT LIGHT	41 23 56 N 72 05 52 W	Q G	19		On pile.	Visible on range line only; F W Passing Light.
	*						51/02
25720	- LIGHT 2	40 55 05 N 73 43 52 W	FI R 4s	26	5	TR on skeleton tower.	
	*						51/02
<b>HEMPSTEAD HARBOR TO TALLMAN ISLAND (Chart 12366)</b>							
<b>East River Main Channel</b>							
27215	Whitestone Point Light 1	40 48 06 N 73 49 10 W	F G	56	10	SG on black skeleton tower.	BELL: 1 stroke ev 15s. Remotely controlled.
	*						51/02
27340	EAST RIVER DEEPWATER RANGE FRONT LIGHT	40 41 58 N 73 59 59 W	F G	43		KRW on white skeleton tower on roof.	Visible on range line only. Lighted throughout 24 hours.
	*						51/02

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**SECTION II**

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2002							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
865 31005	<i>Lockwoods Folly Inlet Lighted Whistle Buoy LW</i>		<b>Mo (A) W</b>		6	Red and white stripes with red spherical topmarks.	Position frequently shifted with changing conditions.
						*	51/02
7570 23600	<i>Hooper Strait Approach Lighted Bell Buoy 1</i>	38 12 17 N 76 09 20 W	<b>FI G 4s</b>		4	Green.	Replaced by can when endangered by ice.
		*					51/02
8570	TOWER LIGHT C	39 15 13 N 76 13 25 W	<b>FI W 4s</b>	50	5	On skeleton tower.	
		*					51/02
<b>Upper Chesapeake Channel</b>							
<i>Channel buoys located 75 feet outside channel limit.</i>							
8760	WORTON POINT LIGHT	39 19 06 N 76 11 11 W	<b>FI W 6s</b>	93	6	Watch tower.	
		*					51/02
<b>Stillpond Creek</b>							
8805	- ENTRANCE LIGHT 2S	39 20 07 N 76 08 14 W	<b>FI R 2.5s</b>	15	3	TR on multi-pile.	Replaced by nun from Dec. 1 to Mar. 15.
		*					51/02
8820	- LIGHT 6	39 19 59 N 76 07 56 W	<b>FI R 4s</b>	15	3	TR on pile.	
		*					51/02
8825	- Daybeacon 7	39 20 02 N 76 07 51 W				SG on pile.	
		*					51/02
9000	ARNOLD POINT LIGHT	39 27 46 N 75 58 01 W	<b>FI W 4s</b>	15	5	NR on multi-pile structure.	
		*				*	51/02
9015	- <i>Lighted Buoy 13</i>		<b>FI G 6s</b>		6	Green.	Replaced by LIB of lower intensity from the first Tuesday after Thanksgiving to Mar. 15.
						*	51/02
9560	- Buoy 4	36 54 47 N 76 19 57 W				Red nun.	
		*					51/02
9810	- Buoy 2PM	36 51 43 N 76 19 21 W				Red nun.	
		*					51/02
9825	- Buoy 5	36 51 35 N 76 19 17 W				Green can.	
		*					51/02

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## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>Scott Creek Channel</b>							
9860	- Daybeacon 1	36 51 03 N 76 18 34 W				SG on pile.	
		*					51/02
10950	- Channel Daybeacon 17						<i>Remove from list.</i>
							* 51/02
10970	Sunset Creek Daybeacon 1						<i>Remove from list.</i>
							* 51/02
11040	- CHANNEL LIGHT 9		FI G 4s	16	4	SG on pile.	Light equipment removed from Dec. 1 to Mar. 15.
						*	51/02
11225	- ENTRANCE LIGHT 7	36 55 07 N 76 29 57 W	FI G 4s	15	4	SG on pile.	
		*					51/02
12025	- Buoy 12	37 13 02 N 76 46 53 W				Red nun.	
		*					51/02
12140	<i>Swann Point Junction Lighted Buoy SP</i>	37 13 19 N 76 48 06 W	FI (2+1) R 6s		4	Red and green bands.	Replaced by nun when endangered by ice.
		*					51/02
12295	- LIGHT 74A		FI R 4s	15	5	TR on multi-pile structure.	
						*	51/02
12325	- CHANNEL LIGHT 76A	37 16 18 N 77 04 23 W	FI R 4s	15	4	TR on multi-pile structure.	Ra ref.
		*				*	51/02
12335	- LIGHT 77A		FI G 4s	15	4	SG on multi-pile structure.	
						*	51/02
12340	- LIGHT 77B		FI G 4s	15	4	SG on multi-pile structure.	
						*	51/02
12345	- CHANNEL LIGHT 79	37 17 37 N 77 05 02 W	FI G 2.5s	15	3	SG on multi-pile structure.	
		*		*		*	51/02
12370	- <i>Channel Lighted Buoy 85</i> 60 feet outside channel limit.	37 18 42 N 77 03 39 W	FI G 2.5s		5	Green.	
		*			*		51/02

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**SECTION II**

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2002							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
12385	- Channel Lighted Buoy 89 90 feet outside channel limit.	37 18 28 N 77 06 34 W	FIG 2.5s		5	Green.	
		*			*		51/02
12400	- Channel Lighted Buoy 90	37 18 10 N 77 07 15 W	FIR 2.5s		4	Red.	
		*					51/02
12440	- CHANNEL LIGHT 98 140 feet outside channel limit.	37 18 27 N 77 10 46 W	FIR 4s	15	4	TR on multi-pile structure.	
		*		*		*	51/02
12485	- CHANNEL LIGHT 108 60 feet outside channel limit.	37 18 36 N 77 14 25 W	FIR 4s	18	4	TR on multi-pile structure.	
		*				*	51/02
12490	- LIGHT 109		FIG 4s	15	4	SG on multi-pile structure.	
				*		*	51/02
12495	- CHANNEL LIGHT 110	37 18 23 N 77 15 02 W	FIR 4s	15	3	TR on multi-pile structure.	
		*		*		*	51/02
12515	- CHANNEL LIGHT 112 75 feet outside channel limit.	37 18 26 N 77 15 31 W	FIR 4s	15	4	TR on multi-pile structure.	
		*		*		*	51/02
12530	- CHANNEL LIGHT 120	37 19 22 N 77 16 36 W	FIR 4s	15	4	TR on multi-pile structure.	
		*		*		*	51/02
12555	- CHANNEL LIGHT 5		FIG 4s	15	4	SG on multi-pile structure.	Higher intensity beam down river. Light equipment removed when endangered by ice.
	*					*	51/02
12565	- CHANNEL LIGHT 8		FIR 4s	15	3	TR on multi-pile structure.	Light equipment removed when endangered by ice.
						*	51/02
<b>James River</b>							
12600	- CHANNEL LIGHT 121 40 feet outside channel limit.	37 19 32 N 77 16 41 W	FIG 4s	15	4	SG on pile.	
		*		*	*	*	51/02
12605	- CHANNEL LIGHT 122 160 feet outside channel limit.	37 19 33 N 77 16 54 W	QR	15	3	TR on pile.	
		*		*		*	51/02

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## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
12610	- CHANNEL LIGHT 124 190 feet outside channel limit.	37 20 01 N 77 16 21 W	FIR 4s	15	4	TR on multi-pile structure.	
		*		*		*	51/02
12615	- CHANNEL LIGHT 125 75 feet outside channel limit.	37 20 10 N 77 16 21 W	FIG 4s	15	4	SG on multi-pile structure.	
		*		*		*	51/02
12635	- LIGHT 132	37 21 13 N 77 16 29 W	FIR 4s	15	3	TR on pile.	
		*		*			51/02
12640	- LIGHT 133		FIG 4s	15	4	SG on pile.	
				*			51/02
12650	- LIGHT 135		FIG 2.5s	15	3	SG on pile.	
				*			51/02
12830	Horseshoe West Channel Daybeacon 2	37 01 59 N 76 15 45 W				TR on pile.	
		*					51/02
12835	HORSESHOE WEST CHANNEL LIGHT 3	37 03 14 N 76 15 39 W	FIG 2.5s	15	4	SG on pile.	
		*					51/02
12840	Horseshoe West Channel Buoy 4	37 04 31 N 76 15 00 W				Red nun.	
		*					51/02
<b>Back Creek</b>							
13370	- LIGHT 1	37 12 37 N 76 24 47 W	FIG 4s	15	3	SG on pile.	
		*					51/02
<b>Whiting Creek</b>							
15205	- Channel Buoy 2	37 37 16 N 76 30 37 W				Red nun.	
		*					51/02
15290	LA GRANGE CREEK ENTRANCE LIGHT 2	37 39 56 N 76 34 49 W	FIR 2.5s	15	3	TR on multi-pile structure.	Light equipment removed when endangered by ice.
		*			*	*	51/02
15435	WILDWOOD BEACH LIGHT 2	37 48 44 N 76 44 35 W	FIR 2.5s	15	3	TR on pile.	Light equipment removed when endangered by ice.
		*					51/02

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## SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2002							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
15460	- Daybeacon 2A	37 52 02 N 76 45 05 W				TR on pile.	
		*					51/02
15465	- LIGHT 3 50 feet outside channel limit.	37 52 22 N 76 45 03 W	Q G	15	3	SG on pile.	
		*					51/02
<b>Hoskins Creek</b>							
15600	- LIGHT 1	37 55 29 N 76 50 43 W	FI G 4s	15	4	SG on multi-pile structure.	
		*				*	51/02
15615	- Channel Daybeacon 2	37 55 24 N 76 51 17 W				TR on pile.	
		*					51/02
<b>Dymer Creek</b>							
16030	NORTH POINT LIGHT N	37 39 15 N 76 17 59 W	FI W 4s	15	5	NG on pile.	
		*		*			51/02
16035	- ENTRANCE LIGHT 2	37 39 21 N 76 19 04 W	FI R 4s	15	4	TR on pile.	
		*		*			51/02
16075	- ENTRANCE LIGHT 2		FI R 2.5s	15	3	TR on slatted pile structure.	
				*			51/02
16080	- LIGHT 4		FI R 4s	15	3	TR on pile.	Light equipment removed from Dec. 1 to Mar. 15.
				*			51/02
16085	- LIGHT 6		FI R 2.5s	15	3	TR on pile.	
				*			51/02
16105	- LIGHT 10		FI R 4s	15	3	TR on pile.	Light equipment removed from Dec. 1 to Mar. 15.
				*			51/02
16125	- ENTRANCE LIGHT 4		FI R 4s	15	3	TR on slatted pile structure.	
				*			51/02
16135	- ENTRANCE LIGHT 7		FI G 4s	15	4	SG on pile.	
					*		51/02
<b>Hooper Strait</b>							
23600 7570	- Approach Lighted Bell Buoy 1	38 12 17 N 76 09 20 W	FI G 4s		4	Green.	Replaced by can when endangered by ice.
		*					51/02

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## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*29751	- Buoy 16A					Red nun.	51/02
<b>MYRTLE GROVE SOUND TO CASINO CREEK (Chart 11534)</b>							
<b>Lockwoods Folly Inlet</b>							
<i>Due to frequently changing conditions, positions of aids are not listed.</i>							
31005 865	- Lighted Whistle Buoy LW		<b>Mo (A) W</b>		6	Red and white stripes with red spherical topmark.	51/02
						*	
38890	- LIGHT 13	34 43 25 N 76 50 14 W	<b>FI G 4s</b>	15	4	SG-SY on multi-pile structure.	51/02
				*			
39040	- LIGHT 45	34 40 20 N 77 05 27 W	<b>FI G 2.5s</b>	15	4	SG-SY on pile.	51/02
						*	

### 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
26120	- Daybeacon 1 On west point of shoal.	28 13 26 N 82 48 14 W				SG on pile.	51/02
						*	
*34873	- Daybeacon 82A					SG-SY on pile.	51/02
35220	Bull Spit Daybeacon B	32 30 13 N 80 33 40 W				JR-TY on pile.	51/02
						*	

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*416	<i>Ocean Energy-102-2 Buoy</i>	28 59 19 N 89 04 54 W				White with orange bands.	51/02
							SIGN: OE-SP-32-1 Private aid.
417	<i>Ocean Energy 102-1 Lighted Horn Buoy Marks subsea installation.</i>	28 59 17 N 89 04 57 W	<b>Q R</b>			Red.	51/02
							SIGN: OE-SP-32-1. Private aid.
						*	
7060	<i>Bayou Casotte Junction Lighted Buoy BC</i>	30 17 20 N 88 30 53 W	<b>FI (2+1) R 6s</b>		4	Red and green bands.	51/02
						*	

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## SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2002							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
7545	- Daybeacon 7					SG on pile.	Ra ref.  * 51/02
7547	- WRECK LIGHT WR7A	30 19 54 N 88 46 54 W	Q G	17	3	SG on pile.	Ra ref.  * 51/02
7552	- Daybeacon 9					SG on pile.  *	Ra ref.  * 51/02
7567	- Daybeacon 13					SG on pile.  *	Ra ref.  * 51/02
7630	- LIGHT 29	30 23 42 N 88 50 12 W	FIG 2.5s	17	3	SG on pile.	Ra ref.  * 51/02
<b>Ott Bayou Channel</b>							
7925	- Daybeacon 1	30 24 24 N 88 51 00 W				SG on pile.	Ra ref.  * 51/02
7930	- Daybeacon 3					SG on pile.	Ra ref.  * 51/02
7935	- Daybeacon 5					SG on pile.	Ra ref.  * 51/02
7940	- Daybeacon 7					SG on pile.	Ra ref.  * 51/02
8050	- Daybeacon 3					SG on pile.	Ra ref.  * 51/02
8075	- Daybeacon 6					TR on pile.	Ra ref.  * 51/02
8175	Biloxi River Daybeacon 1					SG on pile.	Ra ref.  * 51/02
<b>Bernard Bayou</b>							
8230	- LIGHT 1	30 25 00 N 89 00 12 W	FIG 6s	17	4	SG on pile.	Ra ref.  * 51/02
8235	- LIGHT 2		Q R	17	3	TR on pile.	Ra ref.  * 51/02

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## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
8240	- LIGHT 3		FI G 2.5s	17	3	SG on pile.	Ra ref.  * 51/02
8245	- LIGHT 5		FI G 4s	17	3	SG on dolphin.	Ra ref.  * 51/02
8250	- LIGHT 9		Q G	17	3	SG on dolphin.	Ra ref.  * 51/02
8260	- LIGHT 13		FI G 2.5s	17	3	SG on pile.	Ra ref.  * 51/02
8755	- Daybeacon 4 60 feet outside channel limit.					TR on pile.	Ra ref.  * 51/02
8760	- LIGHT 5		Q G	17	3	SG on pile.	Ra ref.  * 51/02
8770	- Daybeacon 8 60 feet outside channel limit.					TR on pile.	Ra ref.  * 51/02
8775	- LIGHT 9	30 21 18 N 89 05 54 W	FI G 2.5s	17	3	SG on dolphin.	Ra ref.  * 51/02
8795	- Daybeacon 4					TR on pile.	Ra ref.  * 51/02
8800	- Daybeacon 5 20 feet outside channel limit.					SG on pile.	Ra ref.  * 51/02
8810	- Daybeacon 7					SG on pile.	Ra ref.  * 51/02
8815	- LIGHT 8		FI R 4s	20	3	TR on dolphin.	Ra ref.  * 51/02
8820	- Daybeacon 9					SG on pile.	Ra ref.  * 51/02
8839	LONG BEACH WRECK LIGHT WR1	30 20 18 N 89 08 30 W	Q G	17	2	SG on pile.	Ra ref.  * 51/02

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## SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2002							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>Jourdan River Channel</b>							
9045	- Daybeacon 3	30 20 40 N 89 19 32 W				SG on pile.	Ra ref.  * 51/02
9055	- Daybeacon 7					SG on pile.	Ra ref.  * 51/02
<b>LAKE BORGNE AND APPROACHES (Chart 11371)</b>							
<b>Mississippi Sound</b>							
9125	GRAND PASS OYSTER BAY LIGHT 1	30 07 24 N 89 14 12 W	FI G 4s	17	5	SG on dolphin.	Ra ref.  * 51/02
9135	NINEMILE BAYOU ENTRANCE LIGHT 2	30 03 00 N 89 25 12 W	FI R 4s	17	5	TR on dolphin.	Ra ref.  * 51/02
<b>WAVELAND TO CATAHOULA BAY (Chart 11367)</b>							
<b>Pearl River Entrance Channel</b>							
9140 33015	- LIGHT 1 30 feet outside channel limit.		FI G 4s	17	4	SG-TY on dolphin.	Ra ref.  * 51/02
9145	- Daybeacon 3					SG on pile.	Ra ref.  * 51/02
9150	- Daybeacon 5					SG on pile.	Ra ref.  * 51/02
9155	- Daybeacon 7					SG on pile.	Ra ref.  * 51/02
9157	- LIGHT 7A	30 10 58 N 89 31 39 W	FI G 6s	17	4	SG on platform on piles.  *	Ra ref.  * 51/02
9160	- LIGHT 8	30 11 00 N 89 31 28 W	FI R 4s	17	4	TR on pile.	Ra ref.  * 51/02
<b>Little Lake</b>							
9175	- LIGHT 1		FI G 2.5s	17	4	SG on dolphin.	Ra ref.  * 51/02
9190	- Daybeacon 4					TR on pile.	Ra ref.  * 51/02

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## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
9195	- Daybeacon 5					SG on pile.	Ra ref. * 51/02
9200	- LIGHT 7		FIG 4s	17	5	SG on dolphin.	Ra ref. * 51/02
9205	- Daybeacon 9					SG on pile.	Ra ref. * 51/02
9210	- LIGHT 10	30 10 12 N 89 36 36 W	FIR 6s	17	4	TR on pile.	Ra ref. * 51/02
9215	- LIGHT 11		FIG 2.5s	17	5	SG on dolphin.	Ra ref. * 51/02
<b>Little Lake North Pass</b>							
9220	- Daybeacon 2					TR on pile.	Ra ref. * 51/02
9225	- Daybeacon 3					SG on pile.	Ra ref. * 51/02
9230	- Daybeacon 5					SG on pile.	Ra ref. * 51/02
<b>Little Lake</b>							
9235	- Daybeacon 13					SG on pile.	Ra ref. * 51/02
9240	- LIGHT 14	30 01 42 N 89 35 42 W	FIR 4s	17	3	TR on pile.	Ra ref. * 51/02
9245	- LIGHT 15		FIG 2.5s	17	5	SG on pile.	Ra ref. * 51/02
9250	- Daybeacon 16					TR on pile	Ra ref. * 51/02
9255	- Daybeacon 18					TR on pile.	Ra ref. * 51/02
<b>WAVELAND TO CATAHOULA BAY (Chart 11367)</b>							
<b>Pearl River</b>							
9265	- LIGHT 21		Q G	17	3	SG on dolphin.	Ra ref. * 51/02

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## SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2002							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
9270	- Daybeacon 23					SG on pile.	Ra ref.  * 51/02
9272	- LIGHT 23A	30 11 40 N 89 35 18 W	FI G 6s	17	4	SG on platform on piles.	Ra ref.  * 51/02
9280	- LIGHT 25	30 12 01 N 89 35 23 W	FI G 4s	17	4	SG on pile.	Ra ref.  * 51/02
<b>Port Bienville</b>							
9285	- JUNCTION LIGHT PB	30 12 24 N 89 35 36 W	FI (2+1) R 6s	17	3	JR on pile.	Ra ref.  * 51/02
9290	- Daybeacon 2					TR on pile.	Ra ref.  * 51/02
9295	- Daybeacon 3					SG on pile.	Ra ref.  * 51/02
9300	Port Bienville Wreck Daybeacon WR	30 13 06 N 89 34 54 W				SG on pile.	Ra ref.  * 51/02
<b>Pearl River</b>							
9305	- LIGHT 30		FI R 2.5s	17	3	TR on dolphin.	Ra ref.  * 51/02
9310	- Daybeacon 31					SG on pile.	Ra ref.  * 51/02
9315	- Daybeacon 33					SG on pile.	Ra ref.  * 51/02
9320	- LIGHT 35		FI G 4s	17	3	SG on dolphin.	Ra ref.  * 51/02
9325	- Daybeacon 36					TR on pile.	Ra ref.  * 51/02
9330	- Daybeacon 38					TR on pile.	Ra ref.  * 51/02
9335	- Daybeacon 40					TR on pile.	Ra ref.  * 51/02

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## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
9340	- Daybeacon 41					SG on pile.	Ra ref.  * 51/02
9345	- LIGHT 43		FI G 2.5s	17	3	SG on dolphin.	Ra ref.  * 51/02
9350	- Daybeacon 45					SG on pile.	Ra ref.  * 51/02
9355	- Daybeacon 48					TR on pile.	Ra ref.  * 51/02
9360	- Daybeacon 49					SG on pile.	Ra ref.  * 51/02
9365	- Daybeacon 50					TR on pile.	Ra ref.  * 51/02
9370	- Daybeacon 51					SG on pile.	Ra ref.  * 51/02
9375	- Daybeacon 52					TR on pile.	Ra ref.  * 51/02
9385	- Daybeacon 55					SG on pile.	Ra ref.  * 51/02
9390	- Daybeacon 57					SG on pile.	Ra ref.  * 51/02
9395	- LIGHT 59		FI G 2.5s	25	3	SG on skeleton tower on piles.	Ra ref.  * 51/02
9400	- Daybeacon 60					TR on pile.	Ra ref.  * 51/02
9405	- Daybeacon 61					SG on pile.	Ra ref.  * 51/02
9410	- LIGHT 62	30 18 54 N 89 37 36 W	FI R 2.5s	17	3	TR on dolphin.	Ra ref.  * 51/02
9415	- Daybeacon 63					SG on pile.	Ra ref.  * 51/02
9420	- Daybeacon 63A					SG on pile.	Ra ref.  * 51/02

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## SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2002							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
9425	- Daybeacon 64					TR on pile.	Ra ref.  * 51/02
9430	- Daybeacon 66					TR on pile.	Ra ref.  * 51/02
9435	- Daybeacon 67					SG on pile.	Ra ref.  * 51/02
9440	- Daybeacon 68					TR on pile.	Ra ref.  * 51/02
9445	- Daybeacon 70					TR on pile.	Ra ref.  * 51/02
<b>The Rigolets</b>							
9565	- LIGHT 2	30 09 36 N 89 39 06 W	<b>F I R 6s</b>	17	4	TR on dolphin.	Ra ref.  * 51/02
9570	- LIGHT 3	30 10 24 N 89 41 18 W	<b>F I G 4s</b>	17	3	SG on dolphin.	Ra ref.  * 51/02
9575	- LIGHT 4	30 10 00 N 89 42 54 W	<b>F I R 4s</b>	17	3	TR on dolphin.	Ra ref.  * 51/02
<b>*Add Heading: *Port Louis Entrance Channel</b>							
*10175	- LIGHT 1	30 22 29 N 90 12 20 W	<b>F I G 2.5s</b>	7		SG on pile.	Private aid.  51/02
<b>*Delete Heading: *Port Louis Entrance Channel</b>							
10180	- LIGHT 2		<b>F I R 2.5s</b>			TR on pile.	Private aid.  51/02
17400	Caillou Boca Buoy 4					Red nun.	 * 51/02
<b>ISLES DERNIERES TO POINT AU FER (Chart 11356)</b>							
17415	Caillou Boca Daybeacon 5	29 03 12 N 90 50 27 W				SG on pile.	Ra ref.  * 51/02
17420	Caillou Boca Buoy 6					Red nun.	 * 51/02

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## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
17637.2	GRAND BAYOU DULARGE OBSTRUCTION LIGHT WR2	29 11 39 N 90 58 18 W	Q R	17	3		
	*						51/02
17637.4	Grand Bayou Dularge Buoy 3	29 11 58 N 90 57 33 W				Green can.	
	*						51/02
17637.6	GRAND BAYOU DULARGE OBSTRUCTION LIGHT WR4	29 12 55 N 90 56 58 W	Q R	17	3		
	*						51/02
19678	- LIGHT 27	29 49 05 N 91 51 27 W	FI G 4s	17	3	SG on pile.	Ra ref.
		*					51/02
19679	- Daybeacon 29	29 49 40 N 91 51 05 W				SG on pile.	Ra ref.
		*					51/02
24705	- CUT A OUTER RANGE REAR LIGHT 1,085 yards, 116.6° from front light.		Iso G 6s	65		KRW on skeleton tower on piles.	Visible on range line only.
							* 51/02
*31042	Hulbert Field Marina Buoy 1	30 24 29 N 86 42 35 W				Green can.	Private aid.
							51/02
*31043	Hulbert Field Marina Buoy 2	30 24 29 N 86 42 34 W				Red nun.	Private aid.
							51/02
32780	- LIGHT 5		FI G 4s	17	4	SG-SY on pile.	Ra ref.
							* 51/02
32792	- LIGHT 7		FI G 6s	17	4	SG-SY on pile.	Ra ref.
							* 51/02
32795	CAT ISLAND WEST END CHANNEL LIGHT	30 13 42 N 89 11 48 W	FI W 4s	30	5	NG on skeleton tower on piles.	Ra ref.
							* 51/02
32875	- LIGHT 4P		FI R 2.5s	17	3	TR-TY on pile.	Ra ref.
							* 51/02
32930	- LIGHT 15P		FI G 4s	17	5	SG-SY on pile.	Ra ref.
							* 51/02

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**SECTION II**

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
32935	- LIGHT 17P		FI G 2.5s	17	4	SG-SY on pile.	Ra ref.  * 51/02
<b>Grand Island Channel</b>							
32940	- LIGHT 1		Q G	17	5	SG-SY on pile.	Ra ref.  * 51/02
<b>WAVELAND TO CATAHOULA BAY (Chart 11367)</b>							
<b>Lake Borgne</b>							
33015 9140	PEARL RIVER ENTRANCE CHANNEL LIGHT 1 30 feet outside channel limit.	30 09 24 N 89 31 30 W	FI G 4s	17	4	SG-TY on dolphin.	Ra ref.  * 51/02
33085	- LIGHT 25		FI G 6s	17	4	SG-SY on dolphin.	Ra ref.  * 51/02

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
4683	- TURNING BASIN LIGHT A	34 47 42 N 122 17 22 W	Iso W 6s	18	4	NG on pile.	  * 51/02

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>*Delete Heading and Note: *Sebewaing Harbor</b>							
<i>*Buoys maintained from May 1 to Nov. 1.</i>							
10390	- Channel Buoy 1						<i>Remove from list.</i>  * 51/02
10395	- Channel Buoy 2						<i>Remove from list.</i>  * 51/02
10400	- Channel Buoy 3						<i>Remove from list.</i>  * 51/02
10405	- Channel Buoy 4						<i>Remove from list.</i>  * 51/02
10410	- Channel Buoy 5						<i>Remove from list.</i>  * 51/02

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## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
10415	- Channel Buoy 6						<i>Remove from list.</i> * 51/02
10420	- Channel Buoy 7						<i>Remove from list.</i> * 51/02
10425	- Channel Buoy 8						<i>Remove from list.</i> * 51/02
10430	- Channel Buoy 9						<i>Remove from list.</i> * 51/02
10435	- Channel Buoy 10						<i>Remove from list.</i> * 51/02
10440	- Channel Buoy 11						<i>Remove from list.</i> * 51/02
10445	- Channel Buoy 12						<i>Remove from list.</i> * 51/02
10450	- Channel Buoy 13						<i>Remove from list.</i> * 51/02
10455	- Channel Buoy 14						<i>Remove from list.</i> * 51/02
10460	- Channel Buoy 15						<i>Remove from list.</i> * 51/02
10465	- Channel Buoy 16						<i>Remove from list.</i> * 51/02
<b>Torch Lake Canal</b>							
<i>Buoys maintained from May 15 to Oct. 15.</i>							
14905	- Buoy 1	47 05 43 N 88 25 34 W				Green can.	* 51/02
	*	*	*			*	*
14906	- Buoy 2					Red nun.	* 51/02
	*		*			*	*
14907	- Buoy 3					Green can.	* 51/02
	*		*			*	*
14908	- Buoy 4					Red nun.	* 51/02
	*		*			*	*

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## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
14909	- Buoy 5					Green can.	
	*		*			*	* 51/02
14910	- Buoy 6					Red nun.	
	*		*			*	* 51/02

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## SECTION II

CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2002 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
8884 <i>K 1788</i>	Busselton jetty, head.	33° 37.8' S 115° 20.2' E	<b>Fl.W.</b> period 3s	26 8	2		51/02
					*		
14595 <i>G 3568.6</i>	Punta Coyote.	24° 21.0' N 110° 23.0' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	39 12	9	Truncated pyramidal metal tower; 23.	51/02
					*	*	
14596 <i>G 3568</i>	San Lorenzo Sur, "El Explorado".	24° 21.8' N 110° 18.0' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 10	9	White round concrete tower, red bands; 23.	51/02
					*		
14597 <i>G 3568.5</i>	-Norte.	24° 22.7' N 110° 18.6' W	<b>Fl.(4)R.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	26 8	8	Red round metal tower; 26.	51/02
					*	*	
14600 <i>G 3566</i>	Isla Partida.	24° 35.5' N 110° 23.8' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	131 40	10	Truncated pyramidal metal tower; 39.	51/02
					*		
14601 <i>G 3569.3</i>	Bahia Pichilingue, S. mole.	24° 16.0' N 110° 19.8' W	<b>Iso.R.</b> period 2s	33 10	7	Round concrete tower; 23.	51/02
					*		
14602 <i>G 3569.5</i>	-N. mole.	24° 16.6' N 110° 19.8' W	<b>Iso.R.</b> period 2s	33 10	7	Round concrete tower; 23.	51/02
					*		
14603 <i>G 3566.3</i>	San Juan de la Costa.	24° 23.7' N 110° 41.4' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 10	8	Truncated pyramidal metal tower; 21.	51/02
				*	*		
14603.1 <i>G 3566.5</i>	Isla Ballena.	24° 28.7' N 110° 24.1' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	39 12	8	Truncated pyramidal metal tower; 23.	51/02
					*		
14603.2 <i>G 3566.7</i>	La Bonanza.	24° 27.5' N 110° 18.0' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	39 12	8	Truncated pyramidal metal tower; 23.	51/02
					*		

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## SECTION II

### CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
LA PAZ HARBOR:							
14604 <i>G 3572</i>	-First Range, front.	24° 12.5' N 110° 18.0' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	49 15	10	White square stone tower; 14.	
			*				51/02
14612 <i>G 3573</i>	-Second Range, front.	24° 10.6' N 110° 18.2' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	59 18	10	White rectangular stone tower; 16.	
			*				51/02
14620 <i>G 3574</i>	-Third Range, front.	24° 11.4' N 110° 18.1' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	105 32	10	White rectangular stone tower; 6.	
			*		*		51/02
14624 <i>G 3574.1</i>	-Rear, 50 meters 033° from front.	24° 11.4' N 110° 18.1' W	<b>Iso.W.</b> period 2s	125 38	10	White rectangular stone tower; 7.	
	*				*		51/02
14628 <i>G 3575</i>	-T-wharf, E. head.	24° 09.7' N 110° 19.2' W	<b>Iso.G.</b> period 2s	26 8	5	White truncated conical masonry tower, red bands; 15.	
					*	*	51/02
14632 <i>G 3575.2</i>	-W. head.	24° 09.7' N 110° 19.2' W	<b>Iso.R.</b> period 2s	26 8	5	White truncated round masonry tower, red bands; 14.	
				*	*		51/02
14634 <i>G 3575.3</i>	Don Lorenzo.	24° 09.3' N 110° 20.4' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	13 4	5	White mast on hulk; 10.	Marks wreck "Don Lorenzo".
					*		51/02
14636 <i>G 3565.5</i>	San Evaristo.	24° 53.8' N 110° 43.3' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	72 22	10	Truncated pyramidal metal tower; 30.	
					*		51/02
14637 <i>G 3565.55</i>	Las Loberas.	24° 50.2' N 110° 34.6' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	36 11	10	Truncated pyramidal metal tower; 30.	
					*		51/02
14640 <i>G 3565</i>	Isla de San Jose, on Punta Colorado.	25° 01.4' N 110° 35.7' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	141 43	11	Truncated pyramidal metal tower; 36.	
					*		51/02

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### CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2002 EDITION

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14644 <i>G 3565.2</i>	Punta de los Ostion.	25° 02.0' N 110° 43.0' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	39 12	10	Truncated pyramidal metal tower; 30.	
					*	*	51/02
14648 <i>G 3564.4</i>	Isla Las Animas.	25° 06.4' N 110° 31.5' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	161 49	10	Truncated pyramidal metal tower; 30.	
					*		51/02
14652 <i>G 3564.3</i>	Isla San Diego.	25° 12.0' N 110° 42.2' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	66 20	10	Truncated pyramidal metal tower; 30.	
					*		51/02
14656 <i>G 3564.5</i>	San Marcial Rock.	25° 29.8' N 111° 01.5' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	56 17	10	Truncated pyramidal metal tower; 30.	
					*		51/02

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*18981 <i>F 3684</i>	Jiushan Liedao.	29° 16.3' N 122° 08.1' E	<b>Fl.(2)W.</b> period 5s	49 15	10	ISOLATED DANGER BRB, beacon, topmark.	
	RACON		N(- ·)				51/02
*19091 <i>F 3641.95</i>	Kuishan Dao.	26° 29.3' N 120° 08.0' E	<b>Fl.W.</b> period 4s	249 76	15		
	RACON		Z(- · ·)				51/02

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
5416 <i>E 0207</i>	-Transversal de Poniente.	39° 27.4' N 0° 19.5' W	<b>Fl.(2)R.</b> period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	16 5	1	Red masonry tower; 10.	Lit when bridge is open. Synchronized with 5417.
	*	*					51/02
*5417 <i>E 0207.5</i>	- -NW corner.	39° 27.5' N 0° 19.6' W	<b>Fl.(2)R.</b> period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s		1	Red support.	Lit when bridge is open. Synchronized with 5416.
							51/02

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### 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
5420 <i>E 0206</i>	-Transversal de Levante.	39° 27.5' N 0° 19.5' W	<b>Fl.(3)G.</b> period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	16 5	1	Green masonry tower; 10.	Lit when bridge is open. Synchronized with 5421.
	*	*					* 51/02
*5421 <i>E 0206.5</i>	-NW corner.	39° 27.5' N 0° 19.5' W	<b>Fl.(3)G.</b> period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s		1	Green support.	Lit when bridge is open. Synchronized with 5420.
							51/02
7100 <i>E 0803</i>	-Porto-Canto, Jeteo Sud.	43° 32.5' N 7° 01.8' E	<b>Fl.G.</b> period 4s fl. 1s, ec. 3s	35 11	11	Yellow tower, dark green top; 30.	
		*	*		*	*	* 51/02
7104 <i>E 0804</i>	-Jeteo Ouest.	43° 32.5' N 7° 01.9' E	<b>Fl.R.</b> period 4s fl. 1s, ec. 3s	8 2	3	Red column; 13.	Obscured by Jeteo Sud on bearing less than 123°.
		*	*		*		51/02
16276 <i>E 4350.3</i>	-Kouneli Islet.	38° 11.0' N 24° 10.0' E	<b>Fl.W.R.</b> period 1.5s fl. 0.3s, ec. 1.2s	33 10	W. 5 R. 3	Metal framework on square hut.	W. 100°-290°, R.-317°, obsc.- 100°.
			*	*			51/02
16332 <i>E 4380</i>	-Nea Artaki.	38° 30.8' N 23° 37.7' E	<b>Fl.W.</b> period 1.5s fl. 0.3s, ec. 1.2s	30 9	5	White hexagonal hut with column.	Visible 287°-180°.
			*		*		51/02
16437 <i>E 4452.2</i>	-E. mole, head.	38° 37.6' N 24° 07.6' E	<b>Fl.G.</b> period 1.5s fl. 0.2s, ec. 1.3s	16 5	2	White round hut on pedestal, green band; 10.	Visible 353°-183°.
					*		51/02
16512 <i>E 4456</i>	-Levkonisia.	38° 57.0' N 23° 27.0' E	<b>Fl.(3)W.</b> period 15s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 10.2s	69 21	10	Iron framework tower, on hut.	Visible 138°-018°.
			*		*		51/02

### CORRECTIONS TO PUB 114, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
3288 <i>A 3728</i>	Calf Sound.	59° 14.2' N 2° 45.7' W	<b>Fl.(3)W.R.G.</b> period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	20 6	W. 8 R. 6 G. 6	White tower; 30.	R. shore-216°, W.-223°, G.- 302°, W.-307°, obscured elsewhere.
			*	*	*	*	51/02

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## SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
* L 0357	Guleskjer.	61° 45.7' N 5° 03.2' E	<b>F.G.</b> period 3s	28 9			51/02
* L 0359	-Myrahjellsdfu Range, front.	61° 45.2' N 5° 05.5' E	<b>F.G.</b>	23 7		Floodlit.	51/02
* L 0359.1	-Myrhjellen, rear, about 210 meters 264°36' from front.	61° 45.2' N 5° 05.2' E	<b>F.R.</b>	44 14			Visible 260°-270°. 51/02
* L 0359.5	-Tennoyskukken.	61° 45.1' N 5° 07.9' E	<b>F.G.</b>	23 7		Floodlit.	51/02
* L 0360.5	-Tennoyane Range, front.	61° 45.1' N 5° 08.4' E	<b>F.R.</b>	39 12			Visible 202°-212°. 51/02
* L 0360.51	-Rear, about 90 meters 206° from front.	61° 45.1' N 5° 08.4' E	<b>F.R.</b>	71 22			Visible 202°-212°. 51/02
* L 0359.2	-Leirvikneset.	61° 45.4' N 5° 07.9' E	<b>F.R.</b>	28 9		Floodlit.	51/02

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

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 51/02**

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

NIMA Reference No.	Ed.	Notice to Mariners No.	NIMA Reference No.	Ed.	Notice to Mariners No.	NIMA Reference No.	Ed.	Notice to Mariners No.
<b>NIMA HYDRO CATALOG</b>			<b>CATP2V01U</b>					
Region 1	2000	34*,35,37,38,40,41,42,43,45,46,47,50,51/00:1,2,3,4,5,6,7,8,9,10,11,12,13,14,16,17,18,19,20,21,22,23,24,25,26,28,29,30,33,34,35,36,37,39,40,41,42,43,44,45,46,47,48,49,50,52/01:1,2,3,5,6,7,8,9,10,12,13,15,18,19,20,21,22,23,26,28,30,31,34,35,36,37,38,39,41,42,43,45,46,47,48,49/02	LLPUB116	2002	18*,20,21,22,24,25,26,27,29,31,34,37,41,42,44,45,46,47,48,49,50/02	SDPUB175	2001	41*,43,45,51/01;8,11,12,13,14,16,17,21,27,37,41,49/02
						SDPUB180	2002	32*,33,42,47,48,50/02
						SDPUB181	2002	38*,39/02
						SDPUB182	2001	8*,10,12,41/02
						SDPUB183	2001	27/01*;13,15,16/02
						SDPUB191	2000	5*,7,8,9,10,11,12,13,14,15,16,17,18,19,20,22,23,27,28,29,30,31,33,34,36,44,45,47,48/01;10,14,15,16,17,42,50/02
						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;11,12,13,14,15,16,22,23,27,36,37,42,48/02
Region 2	2000	34*,40,43/00;4,23,30,35,39,42,45,46/01:5,11,13,15,19,22,24,26,28,41,48/02	SDPUB123	2001	45*,47,48/01:1,14,17,18,19/02	SDPUB193	2000	27*,38,49/00;9,26,27,31,32/01;14,15,26/02
			SDPUB124	2001	18*,44,45,47,48,49,52/01:17,19,20,21,29,30,31,34,46,50/02	SDPUB194	2000	51/00*;9,11,24,26,29,32,34,35/01;11,14,18,19,20,22,23,24,25,26,27,29,30,33/02
			SDPUB125	2000	6*,9,10,20,21,40/00;36,37,45,46/01;14,17,33,35,38,40/02	SDPUB195	2002	33*,40,49,51/02
			SDPUB126	2002	39*,41,42,43,44,45,48/02	SDPUB200	2002	38*,39,42/02
Region 3	2000	34*,44,48/00:21,40/01:17,19,40/02	SDPUB127	2000	37*,38/00:18,33,40,44,45,48,49,52/01:1,11,13,17,18,27,33,34,37,41,47,49,51/02	<b>USCG LIGHT LIST VOLUMES I - VII</b>		
Region 4	2000	34/00*;3/01:13,20/02	SDPUB131	2000	13*,18,21,25,29,30,33,37,51/00;4,15,19,28,49,52/01:22,23,24,25,26,27,32,33,37,38,39,40,43,44/02	COMDTM165021	2002	30*,31,32,33,34,35,36,37,39,40,41,42,43,44,45,46,47,48,49,50,51/02
Region 5	2000	34*,37,40,42,47/00;2,3,4,17,20,21,29,40,41,45/01:6,8,13,14,19,22,29,44,46,48,50/02	SDPUB132	2000	39*,45/00:16,17,31,35/01:1,12,21,25,26/02	COMDTM165022	2002	16*,17,18,19,20,21,22,23,25,26,27,28,29,30,31,32,33,34,35,36,37,40,41,42,43,44,45,46,47,48,49,50,51/02
Region 6	2000	34*,35,45,52/00;2,14,29,36,41,46,51/01:12,14,15,17,19,26/02	SDPUB140	2001	21*,48,49,51/01:8,17,23,32,42,43,44,46,47,48,50/02	COMDTM165023	2002	35*,36,37,40,41,42,43,44,45,46,47,48,49,50,51/02
Region 7	2000	34/00*:2,10,35,41/01:18,25,46,51/02	SDPUB141	2001	21*,38/01	COMDTM165024	2002	30*,31,32,33,34,35,36,37,40,41,42,43,45,46,47,48,49,50,51/02
Region 8	2000	34/00*:1,38/02	SDPUB142	2000	49/00*:3,31,35/01;1,15,43/02	COMDTM165025	2002	16/02*
Region 9	2000	34/00*:23,41,48/01;13,15,18,19,21,23,44/02	SDPUB143	2000	8*,10,19,29/00:16,26/01:1,25/02	COMDTM165026	2002	35*,36,40,41,42,43,44,45,46,47,48,49,50,51/02
Miscellaneous Charts and Publications	2000	34*,35,36,37,39,40,44,45,46,47,49,50,51,52,53/00:1,2,3,4,5,6,7,8,9,11,12,14,15,16,17,18,19,20,21,22,23,26,27,28,29,30,31,32,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52/01:1,2,3,4,5,8,9,12,13,14,16,17,18,19,20,22,23,24,26,27,28,29,30,31,32,33,34,35,36,38,39,40,41,42,44,45,46,47,48,49,50/02	SDPUB144	2000	26*,28,32,33,38,45,46,48,51/00:2,5,10,27,28,29,31,38/01;15,29/02	COMDTM165027	2002	16*,17,18,19,20,21,22,23,25,27,29,30,32,33,34,36,37,40,43,45,46,47,48,50,51/02
			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	<b>FLEET GUIDES</b>		
			SDPUB146	2000	26*,28,32,33,38,45,46,48,51/00:2,5,10,27,28,29,31,38/01;15,29/02	FGPUB940ATL	2001	N47/01*
			SDPUB147	2001	35/01*:21,22,23,24/02	FGPUB941PAC	2001	N22/01*
			SDPUB148	2001	48/01*:23,24/02	<b>NOS MISCELLANEOUS PUBLICATIONS</b>		
			SDPUB153	2000	6/01*:28,30,41,44,46,47,48/02	NOSPBCATALOG1	2000	20/00*
			SDPUB154	2002	17*,19,31,42,44,45,46,48,50/02	NOSPBCATALOG2	2000	34/00*
			SDPUB155	2001	31*,48/01:10,45,46/02	NOSPBCATALOG3	2000	28/00*
			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	NOSPBCATALOG4	2000	34/00*
			SDPUB158	2000	50/00*:5,10,12,13,15,17,20,24/01;46/02	<b>ALMANACS</b>		
			SDPUB159	2002	42*:48/02	AIRALMANAC301	2003	44/02*
			SDPUB160	2002	47*:48,49/02	NAUTALMANAC03	2003	44/02*
			SDPUB161	2002	23*,24,44,47,48/02	<b>COAST PILOT</b>		
			SDPUB162	2001	51/01*	NOSPBBCP1	32	37*,39,41,47,51/01;1,5,7,13,18,33,37,39,42,45,49,51/02
			SDPUB163	2002	18*,20,21,26,46,51/02	NOSPBBCP2	31	44*,47,51,52/01:5,7,12,13,18,23,33,37,39,42,45,48,51/02
			SDPUB164	2000	30/00*:31,35,36/01	NOSPBBCP3	35	3*,5,7,12,15,17,18,21,22,27,28,33,37,42,45,49,51/02
			SDPUB171	2001	40*,47,48,52/01:5,9,14,16,41/02	NOSPBBCP4	34	49*,51/02
			SDPUB172	2001	1*,2,3,5,6,7,8,9,14,15,16,17,18,19,20,22,24/02			
			SDPUB173	2002	50*,51/02			
			SDPUB174	2000	7*,19,37,45,51,52/01:1,5,14,19,22,28,33,37,38,48/02			
LLPUB110	2002	8*,12,13,14,15,16,17,18,19,20,21,23,24,26,27,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,47,49,50/02						
LLPUB111	2002	35*,36,37,38,39,40,41,42,43,44,45,46,47,48,50,51/02						
LLPUB112	2001	5*,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51/02						
LLPUB113	2002	45*,47,48,50,51/02						
LLPUB114	2002	13*,15,16,17,19,20,21,22,23,24,31,32,34,35,36,38,39,40,41,43,45,46,47,48,49,51/02						
LLPUB115	2002	39*,40,41,44,45,50,51/02						

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 51/02**

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

NIMA Reference No.	Ed.	Notice to Mariners No.
NOSPBCP5	29	49*,51/01;1,6,12,13,15,16,17,20,21,33,34,37,39,42,47,49,51/02
NOSPBCP6	32	19*,20,21,33,39,45,47,49,51/02
NOSPBCP7	33	46*,47/01;1,5,12,15,19,20,21,22,23,25,33,34,37,39,51/02
NOSPBCP8	24	3*,5,16,17,19,23,33,37,40,47,50,51/02
NOSPBCP9	20	12*,20,23,33,37,45,50,51/02
<b>RADIO NAVIGATIONAL AIDS</b>		
RAPUB117	2002	50/02*
<b>AMERICAN PRACTICAL NAVIGATOR</b>		
NVPUB9	2002	36/02*
<b>INTERNATIONAL CODE OF SIGNALS</b>		
NVPUB102	1999	46/99*;52/01
<b>WORLD PORT INDEX</b>		
NVPUB150	2000	50/00*;14,15,16,20,21,41,42,43,44,45,46,47,48,49,51,52/01;1,2,5,6,10,11,12,16,19,21,22,27,31,32,33,36,39,40,42,46,49/02
<b>DISTANCES BETWEEN PORTS</b>		
NVPUB151	2001	4/02*
<b>RADAR NAVIGATION AND MANEUVERING BOARD MANUAL</b>		
CDPUBNV1310	2001	51/01*
<b>SIGHT REDUCTION TABLES (MARINE)</b>		
SRPUB229V1	1970	11/71*
SRPUB229V2	1970	11/71*
SRPUB229V3	1970	7/71*
SRPUB229V4	1970	3/71*
SRPUB229V5	1970	3/71*
SRPUB229V6	1970	23/70*
<b>SIGHT REDUCTION TABLES (AIR)</b>		
SRPUB249V1	2000	4/01*
SRPUB249V2	1952	46/52*
SRPUB249V3	1952	46/52*
<b>CHART NO. 1</b>		
WOBZC1	1997	18/98*
<b>CHART NO. 4</b>		
WOBZC4	1988	N20/89*
<b>ATLAS OF PILOT CHARTS</b>		
NVPUB107	1998	30/99*
NVPUB109	2001	49/02*
<b>USCG NAVIGATION RULES</b>		
COMDTM166722D	1999	44/99*;52/00
<b>NOS TIDE TABLES</b>		
NOSPBTTCWPACIN2	2002	N52/01*
NOSPBTTECSTNSA2	2002	N52/01*
NOSPBTTEURAFR2	2002	N52/01*
NOSPBTTCSTNSA2	2002	N52/01*
<b>TIDAL CURRENT TABLES</b>		
NOSPBTCTATCSTN2	2002	N52/01*;N9/02
NOSPBTCTPACAS2	2002	N52/01*

## BROADCAST WARNINGS

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

## NAVAREA IV

Messages in force 041200Z December 2002:

2001 series	219(GEN)	365(14)	441(11,26)	459(GEN)	464(11,26)
393(GEN)	346(GEN)	367(GEN)	454(11)	460(11,25,26)	466(GEN)
2002 series	351(11)	383(11,26)	457(11)	463(11)	468(GEN)

The summary of all NAVAREA IV messages in force as of 13 December 2001 is given in Section III of NM 52/01. Warnings issued during the subsequent quarters are issued in NM 13/02, 26/02 and 39/02.

## NAVAREA IV WARNINGS issued from 271200Z November to 041200Z December 2002.

456/02. CANCELED.

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

CORRECTION TO BRITISH ADMIRALTY CHARTS.

BA CHARTS 3005, 525, 1217 AND 3853

1. IMO AUTHORIZED NO ANCHORING AREAS ESTABLISHED IN AREAS:

A. BOUNDED BY 24-46.0N 083-06.0W, 24-46.0N 082-48.0W,

24-43.5N 082-48.0W, 24-39.0N 083-00.0W,

24-32.0N 083-00.0W, 24-37.0N 083-06.0W.

B. BETWEEN 24-33.0N 24-18.0N AND 083-05.0W 083-09.0W.

2. CANCEL THIS MSG 10 JAN 03.

(291845Z NOV 2002)

458/02. CANCELED.

459/02(GEN).

1. NAVAREA IV MESSAGES IN FORCE 301000Z NOV 2002. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.

2002 SERIES: 441(11,26), 442(11,26), 449(24), 454(11),

455(11), 456(11), 457(11), 458(38).

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

3. CANCEL NAVAREA IV 446/02.

(301010Z NOV 2002)

460/02(11,25,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 050242Z TO 050409Z DEC, ALTERNATE 060238Z TO 060405Z DEC IN AREAS BOUND BY:

A. 28-31N 080-36W, 28-32N 080-29W, 28-26N 080-05W,

28-24N 080-06W, 28-25N 080-32W, 28-27N 080-35W.

B. 28-39N 075-04W, 28-25N 073-14W, 27-32N 068-57W,

26-46N 069-04W, 27-14N 073-23W, 27-28N 075-12W.

C. 27-42N 067-39W, 27-01N 064-03W, 25-40N 064-18W,

26-21N 067-54W.

2. CANCEL THIS MSG 060505Z DEC.

(301140Z NOV 2002)

461/02 and 462/02. CANCELED.

463/02(11). GULF OF MEXICO. LOUISIANA.

1. LORAN-C STATION GRANGEVILLE, RATES 7980-W AND 9610-Z, UNUSABLE 062100Z TO 062300Z DEC.

2. CANCEL THIS MSG 070001Z DEC.

(021010Z DEC 2002)

464/02(11.26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:

A. 0500Z TO 0459Z COMMENCING DAILY 02 THRU 08 DEC  
IN AREA BOUND BY

30-45.0N 080-32.0W, 30-45.0N 079-40.0W,  
30-37.5N 079-40.0W, 30-34.0N 080-33.0W.

B. 0500Z TO 0459Z COMMENCING DAILY 02 THRU 08 DEC  
IN AREA BETWEEN

29-20.0N 29-10.0N AND 079-50.0W 079-40.0W.

C. 032130Z TO 040030Z DEC IN AREA BOUND BY

30-35.0N 081-21.0W, 30-35.0N 081-00.0W,  
30-00.0N 081-02.0W, 30-00.0N 081-15.0W.

D. 1300Z TO 0459Z COMMENCING DAILY 03 AND 05 DEC  
IN AREA BETWEEN

30-00.0N 29-50.0N AND 080-50.0W 081-00.0W.

2. CANCEL THIS MSG 090559Z DEC.

(021657Z DEC 2002)

465/02. CANCELED.

466/02(GEN). GPS SATELLITE SYSTEM.

1. PRN 01 UNUSABLE 060715Z TO 061915Z DEC.

2. CANCEL THIS MSG 062015Z DEC.

(031329Z DEC 2002)

467/02. CANCELED.

468/02(GEN). GPS SATELLITE SYSTEM.

PRN 22 UNUSABLE.

(031633Z DEC 2002)

469/02. CANCELED.

## SECTION III

NM 51/02

## HYDROLANTS

Messages in force 041200Z December 2002:

2000 series	2948(36)	2105(53)	2470(37)	2568(56)	2659(24)
1569(36)	3161(44)	2156(GEN)	2480(53)	2575(56)	2660(24)
2353(36)	2002 series	2171(57)	2484(22)	2581(24)	2661(23,29)
2937(38)	11(54)	2203(51)	2486(36)	2588(24)	2662(24)
3762(43)	134(37)	2294(53)	2489(53,54)	2610(24)	2663(GEN)
4265(44)	245(GEN)	2307(24)	2493(54,56)	2620(37)	2664(57)
2001 series	246(GEN)	2354(53)	2508(24)	2624(36,37)	2667(24)
470(53)	321(52)	2365(54)	2511(52,53)	2627(37)	2668(24)
611(44)	349(54)	2366(54,56)	2524(57)	2629(36,37,51)	2669(24)
1116(36)	383(53)	2368(51)	2526(51,57)	2630(37)	2670(24)
1798(37)	946(53)	2372(38)	2545(35)	2631(24)	2671(GEN)
1885(44)	1065(53)	2382(55)	2550(GEN)	2633(54)	2672(37)
2066(37)	1066(37)	2394(54,56)	2554(35)	2642(24)	2673(GEN)
2659(GEN)	1159(51)	2421(54)	2563(51)	2645(53)	
2700(37)	1290(53)	2434(56)	2564(51)	2646(52,53)	
2706(37)	1485(24)	2450(37)	2565(37)	2651(23)	
2864(53)	1895(23)	2465(54,56)	2566(57)	2652(51)	
2916(37)	2027(GEN)	2467(24)	2567(36,37,51)	2654(24)	

The summary of all HYDROLANTS in force as of 13 December 2001 is given in Section III of NM 52/01. Warnings issued during the subsequent quarters are issued in NM 13/02, 26/02 and 39/02.

**HYDROLANT WARNINGS issued from 271200Z November to 041200Z December 2002.**

2628/02. CANCELED.

2629/02(36,37,51). NORTH ATLANTIC.

1. UNDERWATER OPERATIONS 01 THRU 08 DEC BY M/V L'ATALANTE WITH SUBMERSIBLE VICINITY 42-15N 012-08W. WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 2618/02(24).
3. CANCEL THIS MSG 09 DEC.

(281610Z NOV 2002)

2630/02(37). BAY OF BISCAY.

1. PIPELINE ADRIFT VICINITY 48-18.0N 005-24.5W AT 281510Z NOV.
2. CANCEL HYDROLANT 2626/02.
3. CANCEL THIS MSG 05 DEC.

(281750Z NOV 2002)

2631/02(24). TUNISIA-NORTH COAST.

CHART 52184 (3RD ED).  
ILES CANI LIGHT 37-21.2N 10-07.4E RANGE REDUCED TO 18 MILES.

(290300Z NOV 2002)

2632/02. CANCELED.

2633/02(54). ADRIATIC SEA.

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

(290640Z NOV 2002)

2634/02 thru 2641/02. CANCELED.

2642/02(24). BRAZIL-NORTH COAST.

- CHART 24320 (4TH ED).
1. DGPS STATION AT CANIVETE RADIOBEACON 00-30.6N 050-24.9W INOPERATIVE UNTIL 08 DEC.
  2. CANCEL HYDROLANT 2623/02(37), OPERATIONS COMPLETED.
  3. CANCEL THIS MSG 09 DEC.

(291140Z NOV 2002)

2643/02 and 2644/02. CANCELED.

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

1. HAZARDOUS OPERATIONS 0800Z TO 1630Z DAILY:
  - A. 02 THRU 06, 09 THRU 13 AND 16 THRU 20 DEC IN AREA BOUND BY  
40-00N 010-00E, 40-00N 010-30E, 39-10N 010-30E,  
39-10N 010-00E, 39-26N 009-38E, 39-38N 009-38E.
  - B. 02 THRU 06, 10 THRU 12 AND 17 THRU 19 DEC IN AREA BOUND BY  
40-15N 010-00E, 40-15N 011-31E, 40-11N 011-33E,  
39-32N 011-38E, 38-52N 011-28E, 39-10N 010-00E,  
39-28N 009-38E, 39-43N 009-40E, 40-15N 010-00E.
2. CANCEL THIS MSG 201730Z DEC.

(291210Z NOV 2002)

2646/02(52,53). SARDEGNA-SOUTH COAST. GUNNERY.

1. GUNNERY EXERCISES 0800Z TO 1700Z DAILY 02 THRU 07,  
09 AND 10 DEC IN AREA BOUND BY 38-55-10N 008-42-30E,  
38-50-00N 008-48-00E, 38-46-15N 008-48-00E,  
38-43-30N 008-41-15E, 38-49-00N 008-26-00E,  
38-57-00N 008-36-00E.
2. CANCEL THIS MSG 101800Z DEC.

(291355Z NOV 2002)

2647/02 thru 2650/02. CANCELED.

2651/02(23). SOUTH ATLANTIC.

1. F/V SIMBAD ADRIFT IN 41-38S 059-35W.
2. CANCEL HYDROLANT 2632/02(23,24).
3. CANCEL THIS MSG 07 DEC.

(300242Z NOV 2002)

2652/02(51). NORTH ATLANTIC. MOROCCO. GUNNERY.

1. GUNNERY EXERCISES 050800Z TO 051000Z AND  
051400Z TO 051600Z DEC WITHIN 15 MILES  
OF 35-30N 007-00W.
2. CANCEL HYDROLANT 2638/02(24).
3. CANCEL THIS MSG 051700Z DEC.

(301120Z NOV 2002)

2653/02. CANCELED.

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

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

(301354Z NOV 2002)

2655/02 thru 2658/02. CANCELED.

2659/02(24). BRAZIL-NORTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 06 DEC BY  
M/V RAMFORM EXPLORER TOWING EIGHT 6853 METER  
LONG CABLES IN AREA BOUND BY  
00-43.1S 044-19.1W, 00-45.4S 044-17.1W,  
00-49.1S 044-07.9W, 00-22.7S 043-38.3W,  
00-15.9S 043-44.1W, 00-14.2S 043-46.7W.  
FIVE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 07 DEC.

(010230Z DEC 2002)

2660/02(24). BRAZIL-EAST COAST.

CHART 24220 (14TH ED).  
RECIFE LIGHT 08-03.2S 034-51.9W UNLIT.

(010310Z DEC 2002)

2661/02(23,29). SOUTH ATLANTIC. ICE.

1. ICEBERGS REPORTED:
  - A. IN AREA BETWEEN 49-15.0S 050-15.0S  
AND 046-00.0W 050-00.0W.
  - B. IN 50-30.0S 050-00.0W.
  - C. IN 47-21.0S 058-37.3W.
  - D. IN 47-23.2S 058-39.2W.
  - E. 400 METERS BY 500 METERS, IN 45-11.8S 059-04.7W.
  - F. 200 METERS BY 300 METERS, IN 44-59.8S 059-06.1W.
  - G. IN 43-08.0S 057-36.0W.
  - H. 200 METERS BY 60 METERS, IN 41-45.0S 056-56.0W.
  - I. 190 METERS BY 25 METERS, IN 47-15.8S 059-15.8W.
  - J. 700 METERS BY 50 METERS, IN 39-04.3S 055-33.5W.
  - K. 200 METERS BY 100 METERS, IN 38-42.4S 055-05.3W.
  - L. 500 METERS BY 700 METERS, IN 42-29.0S 056-44.0W.
  - M. IN AREA BETWEEN 63-12.8S 63-18.3S  
AND 060-34.1W 060-42.0W.
2. CANCEL HYDROLANT 2655/02.
3. CANCEL THIS MSG 08 DEC.

(011435Z DEC 2002)

2662/02(24). BRAZIL-EAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 04 DEC  
BY M/V BULLDOG TOWING 15 METER LONG CABLE  
IN AREA BOUND BY 11-05.5S 037-04.7W,  
11-04.5S 037-04.0W, 11-10.5S 036-55.2W,  
11-10.8S 036-56.9W. WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 05 DEC.

(020720Z DEC 2002)

2663/02(GEN).

1. HYDROLANT MESSAGES IN FORCE 021100Z DEC 2002. ONLY THOSE  
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2002 SERIES: 2354(53), 2365(54), 2366(54,56), 2368(51),  
2372(38), 2382(55), 2394(54,56), 2421(54), 2434(56), 2450(37),  
2465(54,56), 2467(24), 2470(37), 2480(53), 2484(22), 2486(36),  
2489(53,54), 2493(54,56), 2508(24), 2511(52,53), 2524(57),  
2526(51,57), 2545(35), 2550(GEN), 2554(35), 2563(51), 2564(51),  
2565(37), 2566(57), 2567(36,37,51), 2568(56), 2575(56),  
2581(24), 2588(24), 2610(24), 2620(37), 2624(36,37), 2627(37),  
2628(35), 2629(36,37,51), 2630(37), 2631(24), 2633(54),  
2635(24), 2639(24), 2640(24), 2641(24), 2642(24), 2643(24),  
2644(51), 2645(53), 2646(52,53), 2647(38), 2648(38), 2651(23),  
2652(51), 2653(GEN), 2654(24), 2657(37), 2658(24), 2659(24),  
2660(24), 2661(23,29), 2662(24).
2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF 13 DEC 2001  
IS GIVEN IN SEC III OF NM 52/01. WARNINGS ISSUED DURING THE  
SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/02, 26/02 AND 39/02.
3. CANCEL HYDROLANT 2310/02, 2413/02, 2592/02, 2599/02.

(021110Z DEC 2002)

2664/02(57). SOUTH ATLANTIC.

1. ODAS BUOY ADRIFT VICINITY 35-14.9S 006-05.7W.
2. CANCEL THIS MSG 09 DEC.

(021210Z DEC 2002)

2665/02 and 2666/02. CANCELED.

2667/02(24). BRAZIL-SOUTHEAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 070200Z DEC BY  
M/V CGG HARMATTAN TOWING EIGHT 4500 METER LONG  
CABLES IN AREA BETWEEN 22-35S 22-55S AND  
040-30W 041-00W. FOUR MILE BERTH REQUESTED.
2. CANCEL THIS MSG 070300Z DEC.

(031005Z DEC 2002)

2668/02(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 070200Z DEC  
BY M/V VERITAS VIKING I TOWING 5400 METER  
LONG CABLES IN AREA BETWEEN 23-50S 24-30S  
AND 044-35W 043-50W. SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 070300Z DEC.

(031010Z DEC 2002)

2669/02(24). BRAZIL-EAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 070200Z DEC BY  
M/V VERITAS VIKING II TOWING SIX 7408 METER  
LONG CABLES IN AREA BETWEEN 19-06.5S 20-06.1S AND  
038-31.5W 039-03.4W. SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 070300Z DEC.

(031015Z DEC 2002)

2670/02(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 070200Z DEC  
BY M/V CGG ALIZE TOWING EIGHT 7408 METER  
LONG CABLES IN AREA BETWEEN 25-40S 26-50S  
AND 044-25W 045-15W. FIVE MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 2635/02 AND 2658/02.
3. CANCEL HYDROLANT 2657/02(37), OPERATIONS COMPLETED.
4. CANCEL THIS MSG 070300Z DEC.

(031020Z DEC 2002)

2671/02(GEN). GPS SATELLITE SYSTEM.

1. PRN 01 UNUSABLE 060715Z TO 061915Z DEC.
2. CANCEL THIS MSG 062015Z DEC.

(031333Z DEC 2002)

2672/02(37). BAY OF BISCAY.

1. DERELICT LIFEBOAT CONSENSUS REEFER ADRIFT IN  
46-35.6N 004-23.9W AT 031115Z DEC.
2. CANCEL THIS MSG 10 DEC.

(031423Z DEC 2002)

2673/02(GEN). GPS SATELLITE SYSTEM.

PRN 22 UNUSABLE.

(031634Z DEC 2002)

2674/02 and 2675/02. CANCELED.

SECTION III

NM 51/02

NAVAREA XII

Messages in force 041200Z December 2002:

2001 series	2002 series	260(GEN)	333(19)	336(GEN)	339(GEN)
298(GEN)	178(GEN)	270(GEN)	335(18)	338(GEN)	

The summary of all NAVAREA XII messages in force as of 13 December 2001 is given in Section III of NM 52/01. Warnings issued during the subsequent quarters are issued in NM 13/02, 26/02 and 39/02.

NAVAREA XII WARNINGS issued from 271200Z November to 041200Z December 2002.

335/02(18). EASTERN NORTH PACIFIC. MISSILES.

1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2359Z DAILY MONDAY THRU SUNDAY IN THE NAVAL AIR WARFARE CENTER SEA RANGE. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE 1400Z TO 2359Z AND 0001Z TO 0200Z DAILY MONDAY THRU FRIDAY. THE SEA RANGE IS BOUND AS FOLLOWS:
 

A. 34-02N 119-04W.	M. THENCE THREE NAUTICAL MILES FROM AND PARALLEL TO THE SHORELINE.
B. 33-52N 119-06W.	N. 34-24N 120-30W.
C. 33-29N 119-07W.	O. 34-08N 120-26W.
D. 33-29N 118-37W.	P. 34-08N 119-40W.
E. 33-20N 118-37W.	Q. 34-00N 119-40W.
F. 32-11N 120-16W.	R. 34-06N 119-13W.
G. 31-54N 121-35W.	S. 34-06N 119-11W.
H. 35-09N 123-39W.	T. 34-07N 119-10W.
I. 35-29N 123-00W.	U. 34-07N 119-07W.
J. 35-04N 122-43W.	V. 34-04N 119-04W.
K. 35-57N 121-32W.	
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 328/02.

(280955Z NOV 2002)

336/02(GEN).

1. NAVAREA XII MESSAGES IN FORCE 301000Z NOV 2002. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2002 SERIES: 333(19), 335(18).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 13 DEC 2001 IS GIVEN IN SEC III OF NM 52/01. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/02, 26/02 AND 39/02.
3. CANCEL NAVAREA XII 331/02.

(301020Z NOV 2002)

337/02. CANCELED.

338/02(GEN). GPS SATELLITE SYSTEM.

1. PRN 01 UNUSABLE 060715Z TO 061915Z DEC.
2. CANCEL THIS MSG 062015Z DEC.

(031334Z DEC 2002)

339/02(GEN). GPS SATELLITE SYSTEM.

PRN 22 UNUSABLE.

(031635Z DEC 2002)

340/02. CANCELED.

## SECTION III

NM 51/02

## HYDROPACS

Messages in force 041200Z December 2002:

2000 series	1147(92)	2057(71,93)	2153(94)	2219(94,95)	2255(61)
597(73)	1315(62)	2067(91,92)	2154(81)	2220(71)	2256(29)
1557(94)	1588(75)	2077(81)	2155(81)	2223(81)	2258(74)
2001 series	1635(62)	2078(83)	2156(72)	2224(22)	2259(GEN)
1556(71)	1661(GEN)	2084(97)	2158(97)	2226(81)	2260(97)
1636(96)	1757(GEN)	2093(71,72)	2159(92)	2227(94,95)	2261(63)
1647(GEN)	1765(71)	2099(91,92)	2161(97)	2228(95)	2262(63)
1976(62)	1842(22)	2101(81)	2162(76)	2229(74)	2263(63)
2062(61)	1843(22)	2105(22)	2164(91)	2230(63)	2266(94)
2002 series	1881(81,91,97)	2111(62)	2178(29)	2231(63)	2269(81)
146(62)	1893(74)	2117(81)	2180(63)	2232(63)	2271(22)
196(61)	1969(94)	2120(97)	2187(75)	2234(63)	2273(62)
205(GEN)	1971(63)	2121(61)	2191(22)	2238(74)	2274(61)
206(GEN)	1972(91)	2125(91,92)	2192(72)	2239(22)	2275(81)
207(93)	1990(83)	2126(62)	2193(61)	2240(22)	2276(GEN)
352(73)	1994(82)	2128(81)	2195(73,74,82)	2241(22)	2277(GEN)
403(72,73)	2038(81,97)	2134(81)	2196(81)	2242(95)	2278(81)
637(75)	2040(63)	2138(96)	2199(63)	2243(94,95)	2281(22)
753(62)	2047(GEN)	2144(81)	2201(97)	2245(63)	2283(75)
787(71)	2051(63)	2145(94,97)	2213(63)	2250(63)	2284(22)
828(62)	2052(62)	2146(81)	2216(94,95)	2251(63)	
1078(72)	2056(76,83)	2148(74)	2218(94,95)	2252(63)	

The summary of all HYDROPACS in force as of 13 December 2001 is given in Section III of NM 52/01. Warnings issued during the subsequent quarters are issued in NM 13/02, 26/02 and 39/02.

**HYDROPAC WARNINGS issued from 271200Z November to 041200Z December 2002.**

2221/02 and 2222/02. CANCELED.

2223/02(81). NORTH PACIFIC.

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

(272243Z NOV 2002)

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

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

(280036Z NOV 2002)

2225/02. CANCELED.

2226/02(81). NORTH PACIFIC.

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

(280650Z NOV 2002)

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

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

(280850Z NOV 2002)

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

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

(280855Z NOV 2002)

2229/02(74). INDIAN OCEAN.

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

(280920Z NOV 2002)

2230/02(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

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

(281150Z NOV 2002)

2231/02(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0330Z TO 1530Z DAILY 01 THRU 10 DEC  
IN AREA BOUND BY 09-57.6N 075-59.5E, 09-57.7N 076-14.2E,  
09-40.0N 076-14.5E, 09-42.5N 076-09.5E.  
2. CANCEL THIS MSG 101630Z DEC.

(281210Z NOV 2002)

2232/02(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0930Z TO 1330Z DAILY 30 NOV THRU 04 DEC  
IN AREA BOUND BY 17-39.0N 083-19.0E, 17-43.0N 083-19.0E,  
17-44.5N 083-23.0E, 17-39.0N 083-23.0E.  
2. CANCEL THIS MSG 041430Z DEC.

(281220Z NOV 2002)

2233/02. CANCELED.

2234/02(63). NICOBAR ISLANDS.

CHART 63390 (1ST ED).  
PULO MILOW LIGHT 07-24.6N 093-40.9E UNLIT.

(281550Z NOV 2002)

2235/02 thru 2237/02. CANCELED.

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

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

(290340Z NOV 2002)

2239/02(22). SOUTH PACIFIC. CHILE. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 1500Z TO 1900Z DAILY 03 AND 04 DEC IN  
AREA BETWEEN 19-35S 19-50S AND 070-37W 070-53W.  
2. CANCEL THIS MSG 042000Z DEC.

(290705Z NOV 2002)

2240/02(22). SOUTH PACIFIC. CHILE. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 1500Z TO 1900Z DAILY 03 AND 04 DEC IN  
AREA BETWEEN 19-20S 19-35S AND 070-37W 070-53W.  
2. CANCEL THIS MSG 042000Z DEC.

(290710Z NOV 2002)

2241/02(22). SOUTH PACIFIC. CHILE. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 1100Z TO 2100Z DAILY 03 THRU 05 DEC IN  
AREA BOUND BY 19-44.7S 070-43.3W, 19-39.0S 071-08.0W,  
20-06.8S 071-17.3W, 20-14.5S 070-46.3W.  
2. CANCEL HYDROPAC 2233/02(82), VESSEL LOCATED SAFE.  
3. CANCEL THIS MSG 052200Z DEC.

(290715Z NOV 2002)

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

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

(291105Z NOV 2002)

SECTION III

NM 51/02

- 2243/02(94,95). YELLOW SEA. ORDNANCE.  
1. BOMBING EXERCISES 0001Z TO 1300Z DAILY 02 THRU 07,  
09 THRU 14, 16 THRU 21, 23, 24, 26 THRU 28,  
30 AND 31 DEC IN AREA BETWEEN  
35-35N 36-00N AND 125-00E 125-30E.  
2. CANCEL THIS MSG 311400Z DEC. (291110Z NOV 2002)
- 2244/02. CANCELED.
- 2245/02(63). ANDAMAN SEA. HAZARDOUS OPERATIONS.  
1. HAZARDOUS OPERATIONS 0530Z TO 1230Z DAILY 02 AND 04 DEC  
IN AREA BETWEEN 11-40N 11-30N AND 093-00E 093-15E.  
2. CANCEL THIS MSG 041330Z DEC. (291125Z NOV 2002)
- 2246/02 thru 2249/02. CANCELED.
- 2250/02(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.  
1. HAZARDOUS OPERATIONS 0130Z TO 1630Z DAILY 05 AND 06 DEC  
WITHIN 70 MILES OF 15-50.5N 080-29.5E.  
2. CANCEL THIS MSG 061730Z DEC. (300710Z NOV 2002)
- 2251/02(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.  
1. HAZARDOUS OPERATIONS 050230Z TO 050530Z AND 051230Z TO 051430Z DEC  
IN AREA BOUND BY 17-42.2N 083-18.6E, 17-42.1N 083-29.9E,  
17-36.7N 083-28.5E, 17-32.7N 083-24.3E.  
2. CANCEL THIS MSG 051530Z DEC. (300720Z NOV 2002)
- 2252/02(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.  
1. HAZARDOUS OPERATIONS 050530Z TO 050730Z DEC WITHIN  
12 MILES OF 13-07.2N 080-18.1E.  
2. CANCEL THIS MSG 050830Z DEC. (300725Z NOV 2002)
- 2253/02 and 2254/02. CANCELED.
- 2255/02(61). INDIAN OCEAN.  
DISTRESS SIGNAL RECEIVED IN 37-25S 074-55E AT 010134Z DEC.  
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,  
ASSIST IF POSSIBLE. REPORTS TO MRCC REUNION,  
INMARSAT-C: 4227 99193, TELEX: 916140,  
PHONE: 2622 6243 4343, FAX: 2622 6271 1595. (010339Z DEC 2002)
- 2256/02(29). SOUTH ATLANTIC. ICE.  
1. ICEBERGS REPORTED ON 01 DEC IN AREA BETWEEN  
63-12.8S 63-18.3S AND 060-34.1W 060-42.0W.  
2. CANCEL THIS MSG 08 DEC. (011510Z DEC 2002)
- 2257/02. CANCELED.
- 2258/02(74). AUSTRALIA-NORTHWEST COAST.  
1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY  
M/V PACIFIC SWORD TOWING TWO THREE MILE LONG CABLES  
IN AREA BETWEEN 20-00S 20-45S AND 114-30E 115-20E.  
WIDE BERTH REQUESTED.  
2. CANCEL HYDROPAC 2222/02. (020220Z DEC 2002)

2259/02(GEN).

1. HYDROPAC MESSAGES IN FORCE 021100Z DEC 2002. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2002 SERIES: 1969(94), 1971(63), 1972(91), 1990(83), 1994(82), 2038(81,97), 2040(63), 2047(GEN), 2051(63), 2052(62), 2056(76,83), 2057(71,93), 2067(91,92), 2077(81), 2078(83), 2084(97), 2093(71,72), 2099(91,92), 2101(81), 2105(22), 2111(62), 2117(81), 2120(97), 2121(61), 2125(91,92), 2126(62), 2128(81), 2134(81), 2138(96), 2139(75), 2144(81), 2145(94,97), 2146(81), 2148(74), 2153(94), 2154(81), 2155(81), 2156(72), 2158(97), 2159(92), 2161(97), 2162(76), 2164(91), 2178(29), 2180(63), 2187(75), 2191(22), 2192(72), 2193(61), 2195(73,74,82), 2196(81), 2199(63), 2201(97), 2206(97), 2207(63), 2213(63), 2216(94,95), 2218(94,95), 2219(94,95), 2220(71), 2223(81), 2224(22), 2226(81), 2227(94,95), 2228(95), 2229(74), 2230(63), 2231(63), 2232(63), 2234(63), 2235(75), 2238(74), 2239(22), 2240(22), 2241(22), 2242(95), 2243(94,95), 2244(91), 2245(63), 2249(81), 2250(63), 2251(63), 2252(63), 2254(GEN), 2255(61), 2256(29), 2258(74).
2. THE SUMMARY OF ALL HYDROPAC MESSAGES IN FORCE AS OF 13 DEC 2001 IS GIVEN IN SEC III OF NM 52/01. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/02, 26/02 AND 39/02.
3. CANCEL HYDROPAC 1922/02, 1926/02, 1937/02, 1955/02, 1961/02, 1963/02, 2189/02, 2212/02, 2217/02, 2257/02.

(021120Z DEC 2002)

2260/02(97). NORTH PACIFIC. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS 060400Z TO 060800Z DEC WITHIN 30 MILES OF 25-30N 130-00E.
2. CANCEL THIS MSG 060900Z DEC.

(021150Z DEC 2002)

2261/02(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0500Z TO 1200Z DAILY UNTIL 05 DEC WITHIN SIX MILES OF 14-01.0N 074-19.6E.
2. CANCEL HYDROPAC 2207/02.
3. CANCEL THIS MSG 051300Z DEC.

(021155Z DEC 2002)

2262/02(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 051030Z TO 051230Z DEC WITHIN 13 MILES OF 22-28.7N 069-04.0E.
2. CANCEL THIS MSG 051330Z DEC.

(021220Z DEC 2002)

2263/02(63). ANDAMAN SEA. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0530Z TO 1230Z DAILY 05 AND 07 DEC IN AREA BETWEEN 11-30N 11-40N AND 093-00E 093-15E.
2. CANCEL THIS MSG 071330Z DEC.

(021225Z DEC 2002)

2264/02 and 2265/02. CANCELED.

2266/02(94). PHILIPPINE SEA. GUNNERY.

1. GUNNERY EXERCISES 0001Z TO 1000Z DAILY 04, 05, 09, 11, 12, 17 AND 24 DEC IN AREA BOUND BY 23-43N 122-05E, 23-00N 122-05E, 23-20N 122-38E, 23-43N 122-38E.
2. CANCEL HYDROPAC 2265/02(74).
3. CANCEL THIS MSG 241100Z DEC.

(021730Z DEC 2002)

2267/02 and 2268/02. CANCELED.

2269/02(81). PHILIPPINE SEA.

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

(022122Z DEC 2002)

2270/02. CANCELED.

2271/02(22). SOUTH PACIFIC. CHILE. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 061200Z TO 061500Z DEC IN AREA BETWEEN 23-50.0S 24-00.0S AND 070-45.0W 070-35.0W.
2. CANCEL THIS MSG 061600Z DEC.

(030012Z DEC 2002)

SECTION III

NM 51/02

2272/02. CANCELED.

2273/02(62). PERSIAN GULF. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS 040900Z TO 050900Z DEC IN AREA BETWEEN 26-26N 26-39N AND 051-18E 051-40E.
2. CANCEL THIS MSG 051000Z DEC.

(030740Z DEC 2002)

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

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

(030750Z DEC 2002)

2275/02(81). NORTH PACIFIC.

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

(030820Z DEC 2002)

2276/02(GEN). GPS SATELLITE SYSTEM.

1. PRN 01 UNUSABLE 060715Z TO 061915Z DEC.
2. CANCEL HYDROPAC 2270/02(74), AID RESTORED.
3. CANCEL THIS MSG 062015Z DEC.

(031335Z DEC 2002)

2277/02(GEN). GPS SATELLITE SYSTEM.

PRN 22 UNUSABLE.

(031636Z DEC 2002)

2278/02(81). NORTH PACIFIC.

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

(031715Z DEC 2002)

2279/02 and 2280/02. CANCELED.

2281/02(22). SOUTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 121.5 MHZ VICINITY 01-47.4S 096-25.4W. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC ALAMEDA, TELEX: 2301 72343, PHONE: 510 437 3701.

(040540Z DEC 2002)

2282/02. CANCELED.

2283/02(75). AUSTRALIA-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY M/V WESTERN MONARCH TOWING EIGHT 3 MILE LONG CABLES IN AREA BETWEEN 36-00S 39-20S AND 135-00E 141-20E. WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 2254/02(GEN).
3. CANCEL HYDROPAC 2139/02.

(040920Z DEC 2002)

2284/02(22). SOUTH PACIFIC. CHILE. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 1600Z TO 2000Z DAILY 04 AND 05 DEC IN AREA BOUND BY 36-32.4S 073-30.5W, 36-36.6S 073-19.2W, 36-45.7S 073-24.5W, 36-41.5S 073-35.7W.
2. CANCEL HYDROPAC 2282/02(74), FALSE ALERT.
3. CANCEL HYDROPAC 2280/02.
4. CANCEL THIS MSG 052100Z DEC.

(041140Z DEC 2002)

MARAD ADVISORIES

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

The text of all in-force MARAD ADVISORIES may be obtained by accessing the NIMA Maritime Safety Information website ([http://164.214.12.145/warn/warn\\_j\\_query.html](http://164.214.12.145/warn/warn_j_query.html)), by referring to Section I (paragraph 50) of US Notice to Mariners 1/02 for those

in-force as of 19 December 2001, or by contacting the Maritime Administration Office of Ship Operations, Code MAR-613, Room 2123, 400 Seventh Street S.W., Washington DC 20590, Telephone (202) 366-5735, FAX (202) 366-3954, TLX II 710-822-9426 (MARAD DOT WSH).

MARAD ADVISORIES in force 4 December 2002: 00-7, 01-1, 01-5, 01-7, 02-2, 02-5 and 02-7.

**SPECIAL WARNINGS**

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

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

SPECIAL WARNINGS in force 4 December 2002: 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](mailto: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).

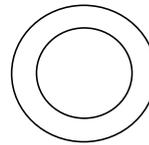
Due to the large volume of information received, NIMA cannot acknowledge receipt of every report. Some reports containing useful data are filed for use in the compilation of the next edition of the affected product. Others confirm or clarify previously reported information. Echogram traces are digitized 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).



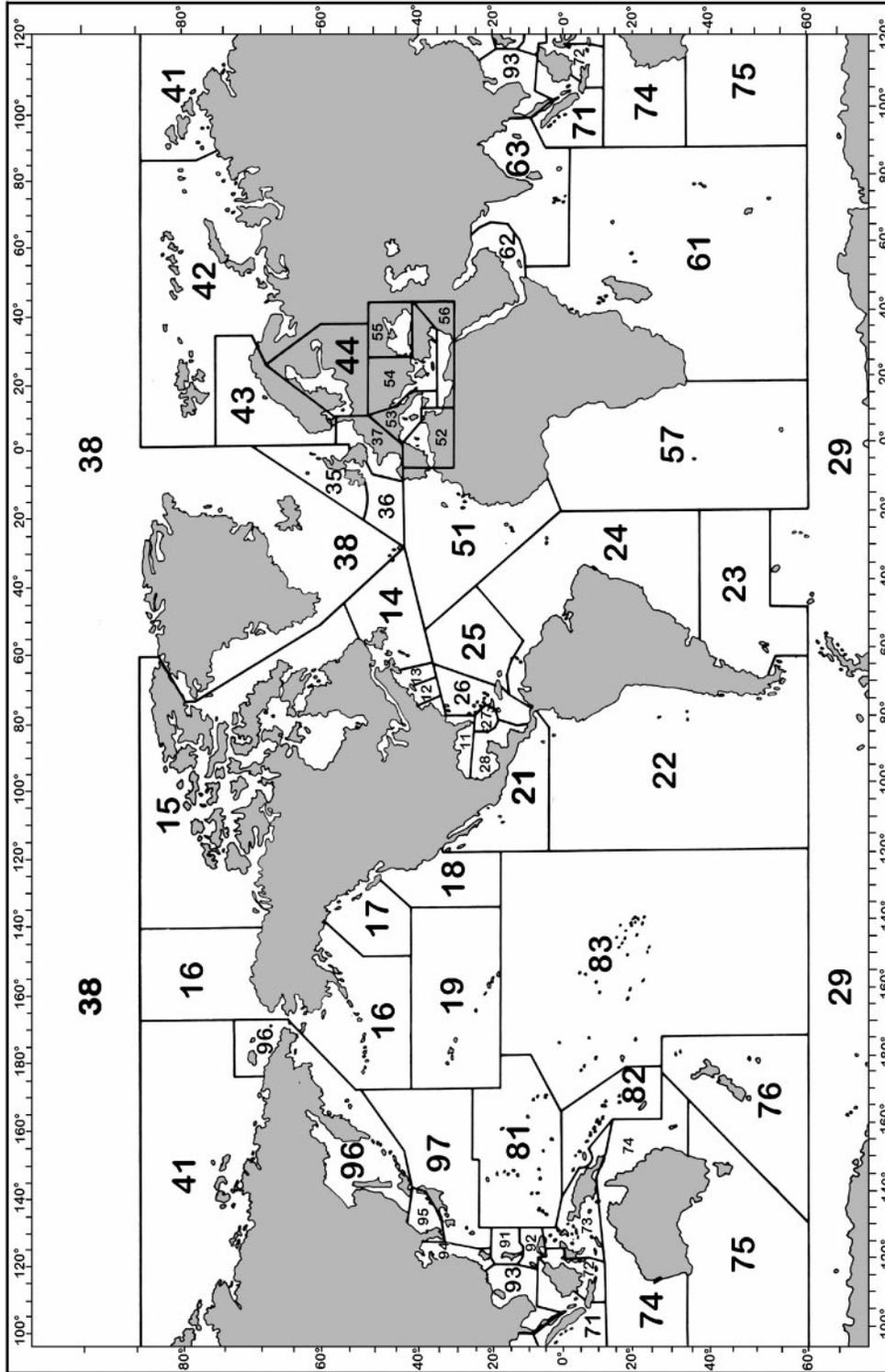


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# GEOGRAPHIC LOCATOR



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

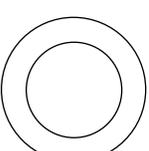
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