



No. 48



30 NOVEMBER 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

Contents

Section I

Chart Corrections	I-1.1
Chartlets / Depth Tabulations / Notes	I-2.1
Charts Affected by Notice to Mariners	I-3.1

Section II

NIMA Hydrographic Products Catalog Corrections	II-1.1
Navigation Publications Corrections	II-2.1
USCG Light List Corrections / Radiobeacon Corrections	II-3.1
NIMA List of Lights / Radiobeacon / DGPS Corrections	II-4.1
Publications Affected by Notice to Mariners	II-5.1

Section III

Broadcast Warnings / MARAD Advisories / Special Warnings	III-1.1
Marine Information	III-2.1

**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) under the Safety of Navigation link or directly at (<http://pollux.nss.nima.mil>). For your convenience NIMA provides three e-mail addresses. For information affecting Notice to Mariners use NavNotices@nima.mil, for information affecting Sailing Directions and all other navigational publications use SDPUBS@nima.mil, for information concerning the Maritime Safety Information Website, use webmaster_nss@nima.mil.

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

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 48/02

HYDROGRAM

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

SPECIAL
ANNOUNCEMENTS

NEW PRODUCTS
OR SERVICES

IMPORTANT
CHANGES

30 November 2002

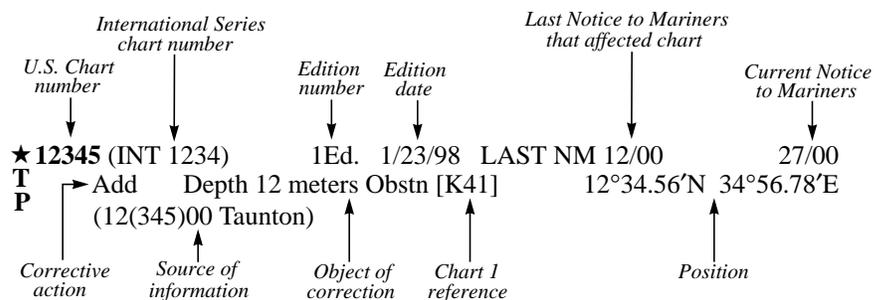
NEW EDITION OF SUMMARY OF CORRECTIONS

SUMMARY OF CORRECTIONS FOR THE EAST COAST OF NORTH AND SOUTH AMERICA (SUBREGIONS 11 THRU 15 AND 23 THRU 28), VOLUME 1, 2002 EDITION, IS READY FOR ISSUE. SEE SECTIONS II AND 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 48/02

101 (INT 101)	3Ed. 11/23/96	LAST NM 35/99	48/02
Add	Depth 115 meters Well [L21.2]	60°31'N 1°50'E	
	(32(3364)02 Taunton)		
★11366	7Ed. 9/02	NEW EDITION	48/02
Add	Wreck [K29]	29°59.8'N 88°30.1'W	
	Depth 9 fathoms 2 feet Obstr [K41]	30°02.8'N 88°40.7'W	
	(Previously published 40/02)		
Add	Submerged well [L20] (cov 32fms) marked by buoy W Or (Priv)	28°25.8'N 90°08.1'W	
	(Previously published 43/02)		
Add	Position circle "Pipe" [L23] (PA)	28°45.1'N 89°14.2'W	
	(Previously published 47/02)		
	(NOS)		
★11416	5Ed. 8/02	LAST NM 42/02	48/02
Change	Range light, front to Iso 2s 23ft (Day), Iso 2s 25ft (Night)	27°54'26"N 82°26'18"W	
	Range light, rear to Iso 6s 98ft (Day), Iso 6s 100ft (Night)	27°55'31"N 82°26'11"W	
	(Inset Tampa)		
Change	Range light, front to Iso 2s 23ft (Day), Iso 2s 25ft (Night)	27°54'26.3"N 82°26'17.9"W	
	Range light, rear to Iso 6s 98ft (Day), Iso 6s 100ft (Night)	27°55'30.6"N 82°26'11.2"W	
	(37/02 CG7)		
11507	30Ed. 9/29/01	LAST NM 34/02	48/02
	(Side A)		
Relocate	Light "42" from 32°05'32.2"N	80°59'24.9"W	
	to	32°05'35.0"N 80°59'22.1"W	
Add	Light "A" Fl Y 4s 16ft 5M	32°04'58.1"N 80°59'00.8"W	
	Light "B" Fl Y 2.5s 16ft 4M	32°05'09.7"N 80°59'06.7"W	
	Light "C" Fl Y 6s 16ft 5M	32°05'20.2"N 80°59'11.8"W	
	Light "D" Fl Y 2.5s 16ft 4M	32°05'30.7"N 80°59'17.2"W	
	(38/02 CG7)		
★11512	58Ed. 11/17/01	LAST NM 40/02	48/02
Relocate	Light "42" from 32°05'32.9"N	80°59'24.9"W	
	to	32°05'35.0"N 80°59'22.1"W	
Add	Light "A" Fl Y 4s 16ft 5M	32°04'58.1"N 80°59'00.8"W	
	Light "B" Fl Y 2.5s 16ft 4M	32°05'09.7"N 80°59'06.7"W	
	Light "C" Fl Y 6s 16ft 5M	32°05'20.2"N 80°59'11.8"W	
	Light "D" Fl Y 2.5s 16ft 4M	32°05'30.7"N 80°59'17.2"W	
	(38/02 CG7)		
11518	32Ed. 2/9/02	LAST NM 43/02	48/02
	(Side A)		
Delete	Light "4"	32°48'18"N 79°55'50"W	
	(38/02 CG7)		
★11524	45Ed. 1/19/02	LAST NM 43/02	48/02
Delete	Light "4"	32°48'18.0"N 79°55'49.2"W	
	(38/02 CG7)		
12372	31Ed. 8/02	LAST NM 47/02	48/02
	(Page A)		
Delete	Buoy "2"	41°15'33"N 72°02'12"W	
Relocate	Buoy "21" from 41°17'36"N	71°58'37"W to	
		41°17'43"N 71°58'39"W	
Change	Buoy "3" to "WH" GR, can	41°17'52"N 71°51'40"W	
Add	Buoy "SE" RW, Mo(A) WHIS	41°15'37"N 72°02'12"W	
	(42/02 CG1)		
13000	Ed. 12/14/84	LAST NM N25/02	N48/02
Add	Purple dashed-line circle with legend "Unexploded Ordnance" (PA)	42°35.6'N 68°54.3'W	
	Purple dashed-line circle with legend "Unexploded Ordnance" (PA)	42°26.1'N 68°54.4'W	
	(42/02 CG1)		
13003	45Ed. 10/28/00	LAST NM 42/02	48/02
Add	Purple dashed-line circle with legend "Unexploded Ordnance" (PA)	42°35.6'N 68°54.3'W	
	Purple dashed-line circle with legend "Unexploded Ordnance" (PA)	42°26.1'N 68°54.4'W	
	(42/02 CG1)		
13006	30Ed. 7/02	LAST NM 44/02	48/02
Add	Purple dashed-line circle with legend "Unexploded Ordnance" (PA)	42°35.6'N 68°54.3'W	
	Purple dashed-line circle with legend "Unexploded Ordnance" (PA)	42°26.1'N 68°54.4'W	
	(42/02 CG1)		
13009	30Ed. 8/02	LAST NM 42/02	48/02
Add	Purple dashed-line circle with legend "Unexploded Ordnance" (PA)	42°35.6'N 68°54.3'W	
	Purple dashed-line circle with legend "Unexploded Ordnance" (PA)	42°26.1'N 68°54.4'W	
	(42/02 CG1)		
13200	33Ed. 1/19/02	LAST NM 37/02	48/02
Add	Purple dashed-line circle with legend "Unexploded Ordnance" (PA)	42°35.6'N 68°54.3'W	
	Purple dashed-line circle with legend "Unexploded Ordnance" (PA)	42°26.1'N 68°54.4'W	
	(42/02 CG1)		
13201	10Ed. 8/10/96	LAST NM N37/02	N48/02
Add	Purple dashed-line circle with legend "Unexploded Ordnance" (PA)	42°35.6'N 68°54.3'W	
	Purple dashed-line circle with legend "Unexploded Ordnance" (PA)	42°26.1'N 68°54.4'W	
	(42/02 CG1)		
13205	36Ed. 4/14/01	LAST NM 45/02	48/02
Delete	Buoy "2"	41°15'32"N 72°02'13"W	
Add	Buoy "SE" RW, Mo(A) WHIS	41°15'37"N 72°02'12"W	
	(42/02 CG1)		
13212	34Ed. 8/8/98	LAST NM 47/02	48/02
Delete	Buoy "2"	41°15'33.2"N 72°02'13.9"W	
Add	Buoy "SE" RW, Mo(A) WHIS	41°15'37.0"N 72°02'12.1"W	
	(42/02 CG1)		
★13214	27Ed. 6/02	LAST NM 45/02	48/02
Delete	Buoy "2"	41°15'33.1"N 72°02'12.9"W	
Relocate	Buoy "2" from 41°18'00.0"N	71°51'32.4"W	
	to	41°17'58.7"N 71°51'33.2"W	
	Buoy "21" from 41°17'36.6"N	71°58'38.9"W	
	to	41°17'42.8"N 71°58'39.0"W	
Change	Buoy "3" to "WH" GR, can	41°17'53.6"N 71°51'39.9"W	
Add	Buoy "SE" RW, Mo(A) WHIS	41°15'37.0"N 72°02'12.1"W	
	(42/02 CG1)		
13215	17Ed. 10/23/99	LAST NM 45/02	48/02
Change	Buoy "3" to "WH" GR, can	41°17'55"N 71°51'39"W	
	(42/02 CG1)		
13216	1Ed. 2/1/92	LAST NM N12/02	N48/02
Delete	Buoy "2"	41°15'32.9"N 72°02'15.0"W	
	Buoy "19"	41°17'36.0"N 71°58'39.4"W	
Add	Buoy "SE" RW, Mo(A) WHIS	41°15'37.0"N 72°02'12.1"W	
	(42/02 CG1)		
13237	38Ed. 3/3/01	LAST NM 42/02	48/02
Relocate	Buoy "4" from 41°33'21"N	69°54'35"W to	
		41°33'14"N 69°54'34"W	
	Buoy "5" from 41°32'57"N	69°56'03"W to	
		41°32'55"N 69°56'03"W	
	(42/02 CG1)		

★13244	39Ed. 3/30/02	LAST NM 22/02	48/02
	Relocate	Buoy "4" from 41°33'23"N 69°54'33"W to 41°33'14"N 69°54'34"W	
		Buoy "5" from 41°32'57"N 69°56'03"W to 41°32'55"N 69°56'03"W	
	(42/02 CG1)		
★13260	38Ed. 4/27/02	LAST NM 43/02	48/02
	Add	Purple dashed-line circle with legend "Unexploded Ordnance" (PA) 42°35.6'N 68°54.3'W	
		Purple dashed-line circle with legend "Unexploded Ordnance" (PA) 42°26.1'N 68°54.4'W	
	(42/02 CG1)		
13263	7Ed. 4/24/99	LAST NM N43/02	N48/02
	Add	Purple dashed-line circle with legend "Unexploded Ordnance" (PA) 42°35.6'N 68°54.3'W	
		Purple dashed-line circle with legend "Unexploded Ordnance" (PA) 42°26.1'N 68°54.4'W	
	(42/02 CG1)		
★13303	12Ed. 9/02	NEW EDITION	48/02
	(NOS)		
14003	6Ed. 4/27/96	LAST NM 25/02	48/02
	Add	Purple dashed-line circle with legend "Unexploded Ordnance" (PA) 42°35.6'N 68°54.3'W	
		Purple dashed-line circle with legend "Unexploded Ordnance" (PA) 42°26.1'N 68°54.4'W	
	(42/02 CG1)		
17385	13Ed. 7/24/93	LAST NM 44/02	48/02
	(Inset)		
	Delete	Depth 10 fathoms 56°11'41"N 132°14'20"W	
	(NOS)		
17518	7Ed. 1/7/95	LAST NM 44/02	48/02
	Delete	Traffic separation scheme and directional arrows (6) between 48°50'00"N 123°00'00"W 49°04'30"N 123°24'00"W	
	Add	Purple tint area (traffic separation zone) [M13] bound by limit joining 48°53'53"N 123°05'02"W 48°56'49"N 123°10'05"W 48°56'18"N 123°10'48"W 48°53'23"N 123°05'42"W	
		"PRECAUTIONARY AREA" [M15] bound by heavy dashed line joining 48°52'18"N 123°07'26"W 48°54'49"N 123°03'40"W 48°49'29"N 122°54'14"W 48°50'00"N 123°03'41"W	
		Note: Traffic separation scheme extends beyond chart border	
		Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°54'49"N 123°03'40"W 48°57'41"N 123°08'46"W	
		Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°55'20"N 123°12'18"W 48°52'18"N 123°07'26"W	
		Purple open-outlined arrow indicating flow of traffic [M10] oriented 315° 49°02'02"N 123°17'16"W	
		Purple open-outlined arrow indicating flow of traffic [M10] oriented 135° 49°00'39"N 123°19'31"W	
		"Precautionary area" [M15] bound by heavy dashed line joining 48°55'20"N 123°12'18"W 48°57'41"N 123°08'46"W 49°00'22"N 123°13'19"W 48°58'11"N 123°16'44"W	
		Purple tint area (traffic separation zone) [M13] bound by limit joining 48°59'32"N 123°14'40"W 49°03'48"N 123°21'14"W 49°03'08"N 123°22'16"W 48°58'54"N 123°15'38"W	
		Purple heavy dashed line (outside limit of traffic lane) [M15] between 49°00'22"N 123°13'19"W 49°04'31"N 123°20'02"W	
		Purple heavy dashed line (outside limit of traffic lane) [M15] between 49°02'31"N 123°23'46"W 48°58'11"N 123°16'44"W	

Purple open-outlined arrow indicating flow of
traffic [M10] oriented 310° 48°55'50"N 123°06'58"W
Purple open-outlined arrow indicating flow of
traffic [M10] oriented 130° 48°54'16"N 123°08'57"W

Note: The above Traffic Separation Scheme
Amendments have been adopted by the IMO
and will become effective at 0001 GMT hours
on 1 December 2002
(Supersedes 44/02P-17518)
(NTM0038/2002)

17550	4Ed. 12/3/94	LAST NM 44/02	48/02
	Delete	Traffic separation scheme and directional arrows (3) between 48°26.0'N 124°58.0'W 48°28.0'N 124°37.5'W	
	Add	Purple tint area (traffic separation zone) [M13] bound by limit joining 48°30.1'N 125°09.0'W 48°30.1'N 125°04.7'W 48°29.1'N 125°04.7'W 48°29.1'N 125°09.0'W	
		Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°31.1'N 125°04.7'W 48°31.9'N 125°09.0'W	
		Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°27.3'N 125°09.0'W 48°28.1'N 125°04.7'W	
		Open-outlined arrow indicating flow of traffic [M10] oriented 270° 48°30.7'N 125°06.8'W	
		Open-outlined arrow indicating flow of traffic [M10] oriented 090° 48°28.5'N 125°06.8'W	
		Purple tint area (traffic separation zone) [M13] bound by limit joining 48°24.0'N 125°06.5'W 48°27.6'N 125°03.4'W 48°27.1'N 125°02.1'W 48°23.5'N 125°05.3'W	
		Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°22.6'N 125°02.8'W 48°26.6'N 125°00.8'W	
		Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°28.1'N 125°04.7'W 48°24.9'N 125°09.0'W	
		Open-outlined arrow indicating flow of traffic [M10] oriented 210° 48°27.0'N 125°05.0'W	
		Open-outlined arrow indicating flow of traffic [M10] oriented 030° 48°25.0'N 125°02.5'W	
		"PRECAUTIONARY AREA" bound by purple heavy dashed line joining 48°31.1'N 125°04.7'W 48°30.1'N 125°04.7'W 48°29.1'N 125°04.7'W 48°28.1'N 125°04.7'W 48°27.6'N 125°03.4'W 48°27.1'N 125°02.1'W 48°26.6'N 125°00.8'W 48°28.1'N 124°57.9'W 48°29.1'N 125°00.0'W 48°30.1'N 125°00.0'W 48°31.1'N 125°00.0'W	
		Purple tint area (traffic separation zone) [M13] bound by limit joining 48°28.4'N 124°37.5'W 48°30.1'N 124°43.5'W 48°30.1'N 125°00.0'W 48°29.1'N 125°00.0'W 48°29.1'N 124°43.8'W 48°27.2'N 124°37.5'W	
		Note: Traffic separation scheme extends beyond chart boarder	
		Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°29.6'N 124°37.5'W 48°32.0'N 124°46.6'W	
		Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°31.1'N 124°47.1'W 48°31.1'N 125°00.0'W	
		Purple heavy dashed line (outside limit of traffic lane) [M15] joining 48°28.1'N 124°57.9'W 48°28.1'N 124°44.1'W 48°26.2'N 124°37.5'W	

(continued on next page)

17550 (Continued)

Open-outlined arrow indicating flow of traffic
[M10] oriented 293° 48°29.8'N 124°40.5'W
Open-outlined arrow indicating flow of traffic
[M10] oriented 293° 48°31.5'N 124°46.2'W
Open-outlined arrow indicating flow of traffic
[M10] oriented 270° 48°30.6'N 124°46.2'W
Open-outlined arrow indicating flow of traffic
[M10] oriented 270° 48°30.6'N 124°53.0'W
Open-outlined arrow indicating flow of traffic
[M10] oriented 113° 48°27.8'N 124°41.3'W
Open-outlined arrow indicating flow of traffic
[M10] oriented 090° 48°28.6'N 124°49.3'W

“Recommended Two-Way Route” bound by
chart border and purple heavy dashed line
[M15] between 48°27.1'N 124°44.4'W
48°25.1'N 124°37.5'W

Note: Route extends beyond chart border

Open-outlined arrow indicating flow of traffic
[M10] oriented 115° 48°27.2'N 124°42.7'W
Open-outlined arrow indicating flow of traffic
[M10] oriented 295° 48°26.2'N 124°42.7'W

Note: The above Traffic Separation Scheme
Amendments have been adopted by the IMO
and will become effective at 0001 GMT hours
on 1 December 2002
(Supersedes 44/02P-17550)

(NTM0038/2002)

18003 18Ed. 1/6/01 LAST NM 47/02 48/02

Delete Traffic separation scheme, directional arrows
(4), associated legends and precautionary areas
joining 48°32.3'N 124°58.0'W
48°20.7'N 124°51.0'W
48°11.0'N 123°24.0'W
48°21.0'N 123°23.2'W

Add Purple tint area (traffic separation zone) [M13]
bound by limit joining 48°30.1'N 125°09.0'W
48°30.1'N 125°04.7'W
48°29.1'N 125°04.7'W
48°29.1'N 125°09.0'W

Purple heavy dashed line (outside limit of
traffic lane) [M15] between 48°31.1'N 125°04.7'W
48°31.9'N 125°09.0'W

Purple heavy dashed line (outside limit of
traffic lane) [M15] between 48°27.3'N 125°09.0'W
48°28.1'N 125°04.7'W

Open-outlined arrow indicating flow of traffic
[M10] oriented 270° 48°30.7'N 125°06.8'W
Open-outlined arrow indicating flow of traffic
[M10] oriented 090° 48°28.6'N 125°06.8'W

Purple tint area (traffic separation zone) [M13]
bound by limit joining 48°24.0'N 125°06.5'W
48°27.6'N 125°03.4'W
48°27.1'N 125°02.1'W
48°23.5'N 125°05.3'W

Purple heavy dashed line (outside limit of
traffic lane) [M15] between 48°22.6'N 125°02.8'W
48°26.6'N 125°00.8'W

Purple heavy dashed line (outside limit of
traffic lane) [M15] between 48°28.1'N 125°04.7'W
48°24.9'N 125°09.0'W

Open-outlined arrow indicating flow of traffic
[M10] oriented 210° 48°26.0'N 125°06.0'W
Open-outlined arrow indicating flow of traffic
[M10] oriented 030° 48°25.0'N 125°02.2'W

“PRECAUTIONARY AREA (see note C)”
bound by purple heavy dashed line joining
48°31.1'N 125°04.7'W
48°30.1'N 125°04.7'W
48°29.1'N 125°04.7'W
48°28.1'N 125°04.7'W
48°27.6'N 125°03.4'W
48°27.1'N 125°02.1'W
48°26.6'N 125°00.8'W
48°28.1'N 124°57.9'W
48°29.1'N 125°00.0'W
48°30.1'N 125°00.0'W
48°31.1'N 125°00.0'W

Purple tint area (traffic separation zone) [M13]

bound by chart boarder and limit joining
48°29.1'N 125°00.0'W
48°29.1'N 124°43.8'W
48°13.9'N 123°54.8'W
48°13.9'N 123°32.0'W
48°14.5'N 123°32.0'W
48°17.0'N 123°56.5'W
48°30.1'N 124°43.5'W
48°30.1'N 125°00.0'W

Legend “SEPARATION ZONE (see note C)”
48°22.4'N 124°20.0'W

Purple heavy dashed line (outside limit of
traffic lane) [M15] joining 48°16.4'N 123°30.4'W
48°16.0'N 123°33.5'W
48°18.0'N 124°56.1'W
48°32.0'N 124°46.6'W
48°31.1'N 124°47.1'W
48°31.1'N 125°00.0'W

Purple heavy dashed line (outside limit of
traffic lane) [M15] joining 48°28.1'N 124°57.9'W
48°28.1'N 124°44.1'W
48°12.9'N 123°55.2'W
48°12.9'N 124°32.9'W

Open-outlined arrow indicating flow of traffic
[M10] oriented 279° 48°17.2'N 123°52.3'W
Open-outlined arrow indicating flow of traffic
[M10] oriented 293° 48°21.0'N 124°10.1'W
Open-outlined arrow indicating flow of traffic
[M10] oriented 270° 48°30.6'N 124°57.0'W
Open-outlined arrow indicating flow of traffic
[M10] oriented 090° 48°28.5'N 124°50.0'W
Open-outlined arrow indicating flow of traffic
[M10] oriented 115° 48°25.8'N 124°35.5'W
Open-outlined arrow indicating flow of traffic
[M10] oriented 090° 48°13.0'N 123°51.5'W

Legend “PRECAUTIONARY AREA (see note
C)” 48°13.5'N 123°27.8'W

Note: The above Traffic Separation Scheme
Amendments have been adopted by the IMO
and will become effective at 0001 GMT hours
on 1 December 2002
(Supersedes 44/02P-18003)

(NTM0038/2002)

18400 42Ed. 6/30/01 LAST NM 44/02 48/02

Delete Traffic separation schemes, directional arrows
and precautionary areas joining 48°32.4'N 124°57.2'W
48°27.4'N 124°58.5'W
48°24.4'N 124°56.8'W
48°20.5'N 124°51.2'W
48°08.8'N 123°27.7'W
48°10.8'N 123°25.3'W
48°20.9'N 123°23.2'W
48°21.8'N 123°25.6'W

Note: Legends “PUGET...L)”,
“COOPERATIVE...H)”, “TRAFFIC...
OUTBOUND”, “NAVAL...2”,
“DANGER...C)” and radio reporting point
symbol remain

Purple heavy dashed line between 48°15.1'N 123°25.6'W
48°17.2'N 123°06.6'W

Purple heavy dashed line between 48°17.2'N 123°06.6'W
48°10.8'N 123°25.2'W

Purple tint (traffic separation zone) and
directional arrows (2) in vicinity 48°11.5'N 123°27.0'W

Purple tint (traffic separation zone) between
48°24.2'N 122°48.1'W
48°25.3'N 122°46.8'W

Purple tint (traffic separation zone) between
48°24.1'N 122°44.2'W
48°25.2'N 122°44.7'W

Note: Precautionary area close north and traffic
separation schemes close south remain

(continued on next page)

18400 (Continued)

Traffic separation schemes and directional arrows between 48°45.9'N 122°48.3'W 49°03.8'N 123°21.2'W

Note: Legends "NORTHBOUND...LANE" and "SOUTHBOUND...LANE" remain

Add

Purple tint area (traffic separation zone) [M13] bound by limit joining 48°26.4'N 125°04.6'W 48°27.6'N 125°03.4'W 48°27.1'N 125°02.1'W 48°24.4'N 125°04.6'W

Note: Area extends beyond chart border

Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°22.6'N 125°02.8'W 48°26.6'N 125°00.8'W

Open-outlined arrow indicating flow of traffic [M10] oriented 030° 48°25.0'N 125°02.7'W

"PRECAUTIONARY AREA (see note A)" bound by purple heavy dashed line joining

48°28.1'N 125°04.7'W 48°26.6'N 125°00.8'W 48°28.1'N 124°57.9'W 48°29.1'N 125°00.0'W 48°31.1'N 125°00.0'W 48°31.1'N 125°04.7'W

Note: Area extends beyond chart border

Purple tint area (traffic separation zone) [M13] bound by chart border and limit joining

48°29.1'N 125°00.0'W 48°29.1'N 124°43.8'W 48°13.9'N 123°54.8'W 48°13.9'N 123°32.0'W 48°14.5'N 123°32.0'W 48°17.0'N 123°56.5'W 48°30.1'N 124°43.5'W 48°30.1'N 125°00.0'W

Legend "SEPARATION ZONE" 48°22.4'N 124°20.0'W

Purple heavy dashed line (outside limit of traffic lane) [M15] joining 48°16.4'N 123°30.4'W 48°16.0'N 123°33.5'W 48°18.0'N 123°56.1'W 48°32.0'N 124°46.6'W

Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°31.1'N 124°47.1'W 48°31.1'N 125°00.0'W

Purple heavy dashed line (outside limit of traffic lane) [M15] joining 48°28.1'N 124°57.9'W 48°28.1'N 124°44.1'W 48°12.9'N 123°55.2'W 48°12.9'N 124°32.9'W

Legend "TRAFFIC LANE INBOUND" 48°19.0'N 124°13.5'W

Open-outlined arrow indicating flow of traffic [M10] oriented 279° 48°16.5'N 123°44.2'W
 Open-outlined arrow indicating flow of traffic [M10] oriented 293° 48°29.5'N 124°40.0'W
 Open-outlined arrow indicating flow of traffic [M10] oriented 270° 48°30.6'N 124°54.5'W
 Open-outlined arrow indicating flow of traffic [M10] oriented 293° 48°31.4'N 124°46.2'W
 Open-outlined arrow indicating flow of traffic [M10] oriented 090° 48°28.5'N 124°55.5'W
 Open-outlined arrow indicating flow of traffic [M10] oriented 115° 48°28.2'N 124°43.2'W
 Open-outlined arrow indicating flow of traffic [M10] oriented 090° 48°13.3'N 123°45.3'W

Purple heavy dashed line "Recommended Two-Way Route" [M15] joining 48°27.1'N 124°44.4'W 48°11.9'N 123°55.6'W 48°11.9'N 123°34.0'W

Open-outlined arrow indicating flow of traffic [M10] oriented 115° 48°27.2'N 124°42.7'W
 Open-outlined arrow indicating flow of traffic [M10] oriented 115° 48°13.3'N 123°58.1'W
 Open-outlined arrow indicating flow of traffic [M10] oriented 090° 48°12.4'N 123°40.0'W
 Open-outlined arrow indicating flow of traffic [M10] oriented 295° 48°26.2'N 124°42.7'W

Open-outlined arrow indicating flow of traffic [M10] oriented 295° 48°12.3'N 123°58.1'W
 Open-outlined arrow indicating flow of traffic [M10] oriented 270° 48°11.4'N 123°40.0'W

"PRECAUTIONARY AREA (see note A)" bound by purple heavy dashed line joining

48°12.9'N 123°32.9'W 48°13.9'N 123°32.0'W 48°14.5'N 123°32.0'W 48°16.5'N 123°30.4'W 48°16.2'N 123°28.5'W 48°15.8'N 123°27.2'W 48°15.1'N 123°25.6'W 48°14.0'N 123°26.0'W 48°13.5'N 123°25.9'W 48°12.7'N 123°25.3'W 48°12.8'N 123°27.5'W 48°12.9'N 123°28.7'W

Purple tint area (traffic separation zone) [M13] bound by limit joining 48°10.8'N 123°25.4'W 48°12.4'N 123°28.7'W 48°12.9'N 123°28.7'W 48°12.8'N 123°27.5'W 48°11.0'N 123°24.8'W

Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°11.2'N 123°23.8'W 48°12.7'N 123°25.3'W

Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°12.9'N 123°32.9'W 48°09.4'N 123°24.2'W

Open-outlined arrow indicating flow of traffic [M10] oriented 130° 48°11.4'N 123°27.7'W
 Open-outlined arrow indicating flow of traffic [M10] oriented 315° 48°12.4'N 123°25.8'W

Purple tint area (traffic separation zone) [M13] bound by limit joining 48°21.2'N 123°24.8'W 48°16.2'N 123°28.5'W 48°15.8'N 123°27.2'W 48°20.9'N 123°24.3'W

Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°21.8'N 123°25.6'W 48°16.5'N 123°30.4'W

Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°20.9'N 123°23.2'W 48°15.1'N 123°25.6'W

Open-outlined arrow indicating flow of traffic [M10] oriented 208° 48°19.3'N 123°27.0'W
 Open-outlined arrow indicating flow of traffic [M10] oriented 015° 48°18.9'N 123°24.6'W

Purple tint area (traffic separation zone) [M13] bound by limit joining 48°13.2'N 123°15.9'W 48°14.0'N 123°26.0'W 48°13.5'N 123°25.9'W 48°12.9'N 123°16.7'W

Purple heavy dashed line (outside limit of traffic lane) [M15] joining 48°14.3'N 123°13.4'W 48°14.1'N 123°16.1'W 48°15.1'N 123°25.6'W

Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°12.7'N 123°25.3'W 48°12.3'N 123°18.0'W

Open-outlined arrow indicating flow of traffic [M10] oriented 096° 48°12.8'N 123°20.0'W
 Open-outlined arrow indicating flow of traffic [M10] oriented 278° 48°14.0'N 123°20.0'W

Purple heavy dashed line (precautionary area) joining 48°17.2'N 123°06.6'W 48°14.3'N 123°13.4'W 48°12.3'N 123°18.0'W 48°12.7'N 123°25.3'W 48°11.2'N 123°23.8'W 48°10.8'N 123°25.4'W 48°09.4'N 123°24.2'W 48°08.4'N 123°24.2'W

(continued on next page)

SECTION I

NM 48/02

18400 (Continued)

Purple tint area (traffic separation zone) [M13]
bound by limit joining
48°25.3'N 123°04.3'W
48°27.6'N 123°08.1'W
48°27.8'N 123°07.8'W
48°25.4'N 123°03.9'W

Purple heavy dashed line (outside limit of
traffic lane) [M15] between
48°27.4'N 123°08.9'W
48°25.2'N 123°05.0'W

Purple heavy dashed line (outside limit of
traffic lane) [M15] between
48°28.2'N 123°07.3'W
48°25.6'N 123°03.1'W

Open-outlined arrow indicating flow of traffic
[M10] oriented 312° 48°27.9'N 123°07.3'W

Open-outlined arrow indicating flow of traffic
[M10] oriented 132° 48°27.3'N 123°08.1'W

Note: Connects to existing traffic separation
scheme close south

Purple tint area (traffic separation zone) [M13]
bound by limit joining
48°49.0'N 122°55.2'W
48°46.8'N 122°50.4'W
48°46.0'N 122°48.1'W
48°45.6'N 122°48.4'W
48°46.4'N 122°50.8'W
48°48.7'N 122°55.7'W

Purple heavy dashed line (outside limit of
traffic lane) [M15] joining
48°49.5'N 122°54.2'W
48°47.1'N 122°50.1'W
48°46.4'N 122°47.5'W

Purple heavy dashed line (outside limit of
traffic lane) [M15] joining
48°45.0'N 122°48.3'W
48°46.8'N 122°53.1'W
48°47.9'N 122°57.1'W

Open-outlined arrow indicating flow of traffic
[M10] oriented 297° 48°46.5'N 122°49.0'W

Open-outlined arrow indicating flow of traffic
[M10] oriented 117° 48°45.6'N 122°49.3'W

Open-outlined arrow indicating flow of traffic
[M10] oriented 306° 48°48.7'N 122°53.7'W

Open-outlined arrow indicating flow of traffic
[M10] oriented 125° 48°47.9'N 122°55.1'W

Purple tint area (traffic separation zone) [M13]
bound by limit joining
48°53.9'N 123°05.0'W
48°56.8'N 123°10.1'W
48°56.3'N 123°10.8'W
48°53.4'N 123°05.7'W

“Precautionary area (see note A)” [M15] bound
by heavy dashed line joining
48°52.3'N 123°07.4'W
48°54.8'N 123°03.7'W
48°49.5'N 122°54.2'W
48°47.9'N 122°57.1'W
48°47.8'N 122°59.1'W
48°48.2'N 123°00.8'W

Purple heavy dashed line (outside limit of
traffic lane) [M15] between
48°54.8'N 123°03.7'W
48°57.7'N 123°08.8'W

Purple heavy dashed line (outside limit of
traffic lane) [M15] between
48°55.3'N 123°12.3'W
48°52.3'N 123°07.4'W

Open-outlined arrow indicating flow of traffic
[M10] oriented 319° 48°55.7'N 123°07.0'W
Open-outlined arrow indicating flow of traffic
[M10] oriented 132° 48°54.3'N 123°08.8'W

“Precautionary area (see note A)” [M15] bound
by heavy dashed line joining
48°55.3'N 123°12.3'W
48°57.7'N 123°08.8'W
49°00.4'N 123°13.3'W
48°58.2'N 123°16.7'W

Purple tint area (traffic separation zone) [M13]
bound by limit joining
48°59.5'N 123°14.7'W
49°02.4'N 123°19.1'W
49°02.4'N 123°21.1'W
48°58.9'N 123°15.6'W

Note: Traffic separation scheme extends
beyond chart boarder

Purple heavy dashed line (outside limit of
traffic lane) [M15] between
49°00.4'N 123°23.3'W
49°02.4'N 123°16.6'W

Purple heavy dashed line (outside limit of
traffic lane) [M15] between
49°02.4'N 123°23.0'W
48°58.2'N 123°16.7'W

Open-outlined arrow indicating flow of traffic
[M10] oriented 315° 49°00.6'N 123°15.2'W

Open-outlined arrow indicating flow of traffic
[M10] oriented 134° 49°02.3'N 123°22.0'W

Open-outlined arrow indicating flow of traffic
[M10] oriented 315° 49°03.6'N 123°19.8'W

Open-outlined arrow indicating flow of traffic
[M10] oriented 134° 48°59.1'N 123°17.2'W

Legend “SEPARATION ZONE (see note F)”
48°55.1'N 123°07.8'W

Legend “SEPARATION ZONE (see note F)”
49°01.4'N 123°18.5'W

Note: The above Traffic Separation Scheme
Amendments have been adopted by the IMO
and will become effective at 0001 GMT hours
on 1 December 2002

(Supersedes 44/02P-18400)

(NTM0038/2002)

18416 6Ed. 6/10/95 LAST NM 44/02 48/02

Add Purple tint area (traffic separation zone) [M13]
bound by limit joining
48°21'12"N 123°24'48"W
48°20'40"N 123°25'12"W
48°20'29"N 123°24'30"W
48°20'54"N 123°24'18"W

Purple heavy dashed line (outside limit of
traffic lane) [M15] between
48°21'48"N 123°25'36"W
48°20'55"N 123°26'12"W

Purple heavy dashed line (outside limit of
traffic lane) [M15] between
48°20'54"N 123°23'12"W
48°20'14"N 123°23'30"W

Note: Connects to existing traffic separation
scheme close south

Purple tint area (traffic separation zone) [M13]
bound by limit joining
48°25'18"N 123°04'18"W
48°27'36"N 123°08'06"W
48°27'48"N 123°07'48"W
48°25'24"N 123°03'54"W

Purple heavy dashed line (outside limit of
traffic lane) [M15] between
48°27'24"N 123°08'54"W
48°25'12"N 123°05'00"W

Purple heavy dashed line (outside limit of
traffic lane) [M15] between
48°28'12"N 123°07'18"W
48°25'36"N 123°03'06"W

Open-outlined arrow indicating flow of traffic
[M10] oriented 312° 48°27'52"N 123°07'18"W

Open-outlined arrow indicating flow of traffic
[M10] oriented 132° 48°27'16"N 123°08'09"W

Note: Connects to existing traffic separation
scheme close south

Note: The above Traffic Separation Scheme
Amendments have been adopted by the IMO
and will become effective at 0001 GMT hours
on 1 December 2002

(Supersedes 44/02P-18416)

(NTM0038/2002)

18421 44Ed. 2/23/02 LAST NM 44/02 48/02

Delete Traffic separation scheme bound by limit
joining
48°45'00"N 122°48'18"W
48°47'46"N 122°56'36"W
48°50'20"N 122°53'35"W
48°47'06"N 122°50'06"W
48°46'24"N 122°47'30"W

Note: Legends “NORTHBOUND...LANE”,
“SOUTHBOUND...LANE” and “(see note B)”
remain

Traffic separation scheme, directional arrows
and legends between
48°51'18"N 123°03'08"W
49°02'24"N 123°20'00"W

Purple tint (traffic separation zone) between
48°24'14"N 122°48'05"W
48°25'26"N 122°46'29"W

(continued on next page)

18421 (Continued)

Purple tint (traffic separation zone) between
 48°24'09"N 122°44'08"W
 48°25'12"N 122°44'46"W

Note: Precautionary area close north and traffic separation schemes close south remain

Add

Purple tint area (traffic separation zone) [M13]
 bound by limit joining
 48°59'32"N 123°14'40"W
 49°02'24"N 123°19'06"W
 49°02'24"N 123°21'06"W
 48°58'54"N 123°15'38"W

Note: Traffic separation scheme extends beyond chart border

Purple heavy dashed line (outside limit of traffic lane) [M15] between
 49°00'22"N 123°13'19"W
 49°02'24"N 123°16'36"W

Purple heavy dashed line (outside limit of traffic lane) [M15] between
 49°02'24"N 123°23'00"W
 48°58'11"N 123°16'44"W

Open-outlined arrow indicating flow of traffic [M10] oriented 320°
 49°00'47"N 123°15'17"W

Open-outlined arrow indicating flow of traffic [M10] oriented 135°
 48°59'18"N 123°17'22"W

Open-outlined arrow indicating flow of traffic [M10] oriented 135°
 49°01'42"N 123°20'50"W

“PRECAUTIONARY AREA (see note A)”
 [M15] bound by heavy dashed line joining
 48°55'20"N 123°12'18"W
 48°57'41"N 123°08'46"W
 49°00'22"N 123°13'19"W
 48°58'11"N 123°16'44"W

Purple tint area (traffic separation zone) [M13]
 bound by chart border and limit joining
 48°53'53"N 123°05'02"W
 48°56'49"N 123°10'05"W
 48°56'18"N 123°10'48"W
 48°53'23"N 123°05'42"W

Purple heavy dashed line (outside limit of traffic lane) [M15] between
 48°54'49"N 123°03'40"W
 48°57'41"N 123°08'46"W

Purple heavy dashed line (outside limit of traffic lane) [M15] between
 48°55'20"N 123°12'18"W
 48°52'18"N 123°07'26"W

“PRECAUTIONARY AREA (see note A)”
 [M15] bound by heavy dashed line joining
 48°52'18"N 123°07'26"W
 48°49'29"N 122°54'14"W
 48°54'49"N 123°03'40"W
 48°47'56"N 122°57'07"W
 48°47'47"N 122°59'07"W
 48°48'11"N 123°00'50"W

Open-outlined arrow indicating flow of traffic [M10] oriented 305°
 48°49'05"N 122°54'30"W
 Open-outlined arrow indicating flow of traffic [M10] oriented 119°
 48°48'00"N 122°55'45"W

Purple tint area (traffic separation zone) [M13]
 bound by limit joining
 48°49'00"N 122°55'12"W
 48°46'48"N 122°50'24"W
 48°46'00"N 122°48'06"W
 48°45'36"N 122°48'24"W
 48°46'24"N 122°50'48"W
 48°48'42"N 122°55'42"W

Purple heavy dashed line (outside limit of traffic lane) [M15] joining
 48°49'30"N 122°54'12"W
 48°47'06"N 122°50'06"W
 48°46'24"N 122°47'30"W

Purple heavy dashed line (outside limit of traffic lane) [M15] joining
 48°45'00"N 122°48'18"W
 48°46'48"N 122°53'06"W
 48°47'54"N 122°57'06"W

Open-outlined arrow indicating flow of traffic [M10] oriented 130°
 48°53'36"N 123°07'42"W
 Open-outlined arrow indicating flow of traffic [M10] oriented 310°
 48°56'25"N 123°08'04"W

Legend “NORTHBOUND TRAFFIC LANE”
 48°55'28"N 123°06'18"W

Legend “SOUTHBOUND TRAFFIC LANE”
 48°54'54"N 123°09'52"W

Legend “SEPARATION ZONE (see note B)”
 48°55'06"N 123°07'48"W
 Legend “SEPARATION ZONE (see note B)”
 49°00'42"N 123°17'30"W

Purple tint area (traffic separation zone) [M13]
 bound by limit joining
 48°25'18"N 123°04'18"W
 48°27'36"N 123°08'06"W
 48°27'48"N 123°07'48"W
 48°25'24"N 123°03'54"W

Purple heavy dashed line (outside limit of traffic lane) [M15] between
 48°27'26"N 123°08'56"W
 48°25'10"N 123°04'59"W

Purple heavy dashed line (outside limit of traffic lane) [M15] between
 48°28'09"N 123°07'19"W
 48°25'36"N 123°03'08"W

Open-outlined arrow indicating flow of traffic [M10] oriented 312°
 48°27'30"N 123°06'48"W

Open-outlined arrow indicating flow of traffic [M10] oriented 132°
 48°27'00"N 123°07'40"W

Note: Connects to existing traffic separation scheme close south

Note: The above Traffic Separation Scheme Amendments have been adopted by the IMO and will become effective at 0001 GMT hours on 1 December 2002
 (Supersedes 44/02P-18421)

(NTM0038/2002)

18423 32Ed. 1/20/01 LAST NM 44/02 48/02
 (Page A)

Delete Purple tint (traffic separation zone) between
 48°24'14"N 122°44'20"W
 48°25'15"N 122°44'50"W

Purple tint (traffic separation zone) between
 48°24'10"N 122°48'14"W
 48°25'33"N 122°46'30"W

Note: Precautionary area close north and traffic separation schemes close south remain

Delete (Page C)
 Traffic separation scheme bound by limit joining
 48°45'00"N 122°48'18"W
 48°47'46"N 122°56'36"W
 48°48'12"N 122°51'12"W
 48°47'06"N 122°50'06"W
 48°46'24"N 122°47'30"W

Note: Legends “SEPARATION...D”, “NORTHBOUND...LANE”, “SOUTHBOUND...LANE” and directional arrows remain

Add Purple tint area (traffic separation zone) [M13]
 bound by chart border and limit joining
 48°48'12"N 122°54'48"W
 48°46'48"N 122°50'24"W
 48°46'00"N 122°48'06"W
 48°45'36"N 122°48'24"W
 48°46'24"N 122°50'48"W
 48°48'12"N 122°54'36"W

Purple heavy dashed line (outside limit of traffic lane) [M15] joining
 48°48'12"N 122°52'00"W
 48°47'06"N 122°50'06"W
 48°46'24"N 122°47'30"W

Purple heavy dashed line (outside limit of traffic lane) [M15] joining
 48°45'00"N 122°48'18"W
 48°46'48"N 122°53'06"W
 48°47'54"N 122°57'06"W

Add (Page D)
 Purple tint area (traffic separation zone) [M13]
 bound by limit joining
 48°25'18"N 123°04'18"W
 48°27'36"N 123°08'06"W
 48°27'48"N 123°07'48"W
 48°25'24"N 123°03'54"W

Purple heavy dashed line (outside limit of traffic lane) [M15] between
 48°27'24"N 123°08'54"W
 48°25'12"N 123°05'00"W

(continued on next page)

18423 (Continued)

Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°28'12"N 123°07'18"W
48°25'36"N 123°03'06"W

Note: Connects to existing traffic separation scheme close south

Open-outlined arrow indicating flow of traffic [M10] oriented 312° 48°27'38"N 123°07'00"W
Open-outlined arrow indicating flow of traffic [M10] oriented 132° 48°27'07"N 123°07'50"W

Note: The above Traffic Separation Scheme Amendments have been adopted by the IMO and will become effective at 0001 GMT hours on 1 December 2002
(Supersedes 44/02P-18423)

(NTM0038/2002)

18429 8Ed. 7/3/99 LAST NM 44/02 48/02

Delete Purple tint (traffic separation zone) between 48°24'14"N 122°48'05"W
48°25'26"N 122°46'29"W

Purple tint (traffic separation zone) between 48°24'09"N 122°44'18"W
48°25'12"N 122°44'46"W

Note: Precautionary area close north and traffic separation schemes close south remain

Open-outlined arrow symbols (4) in vicinity 48°24'42"N 122°44'34"W

Open-outlined arrow symbols (4) in vicinity 48°25'00"N 122°47'04"W

Note: The above Traffic Separation Scheme Amendments have been adopted by the IMO and will become effective at 0001 GMT hours on 1 December 2002
(Supersedes 44/02P-18429)

(NTM0038/2002)

18431 5Ed. 5/02 LAST NM 44/02 48/02

Delete Traffic separation scheme bound by limit joining 48°45'00"N 122°48'18"W
48°47'46"N 122°56'36"W
48°50'20"N 122°53'35"W
48°47'06"N 122°50'06"W
48°46'24"N 122°47'30"W

Note: Legends "SEPARATION...B)", "NORTHBOUND...LANE", "SOUTHBOUND...LANE", radio reporting point symbol and directional arrows remain

Add Purple tint area (traffic separation zone) [M13] bound by limit joining 48°49'00"N 122°55'12"W
48°46'48"N 122°50'24"W
48°46'00"N 122°48'06"W
48°45'36"N 122°48'24"W
48°46'24"N 122°50'48"W
48°48'42"N 122°55'42"W

Purple heavy dashed line (outside limit of traffic lane) [M15] joining 48°49'30"N 122°54'12"W
48°47'06"N 122°50'06"W
48°46'24"N 122°47'30"W

Purple heavy dashed line (outside limit of traffic lane) [M15] joining 48°45'00"N 122°48'18"W
48°46'48"N 122°53'06"W
48°47'54"N 122°57'06"W

Open-outlined arrow indicating flow of traffic [M10] oriented 305° 48°49'05"N 122°54'30"W
Open-outlined arrow indicating flow of traffic [M10] oriented 119° 48°48'00"N 122°55'45"W

Purple heavy dashed line (precautionary area) [M15] joining 48°50'17"N 122°55'39"W
48°49'29"N 122°54'14"W
48°47'56"N 122°57'07"W
48°47'47"N 122°59'07"W
48°48'11"N 123°00'50"W
48°49'16"N 123°02'21"W

Legend "PRECAUTIONARY AREA" 48°49'00"N 122°58'00"W

Note: Precautionary area extends into title block and beyond chart border

Note: The above Traffic Separation Scheme Amendments have been adopted by the IMO and will become effective at 0001 GMT hours on 1 December 2002
(Supersedes 44/02-18431)

(NTM0038/2002)

18433 4Ed. 10/14/00 LAST NM 44/02 48/02

Add Purple tint area (traffic separation zone) [M13] bound by limit joining 48°25'18"N 123°04'18"W
48°27'36"N 123°08'06"W
48°27'48"N 123°07'48"W
48°25'24"N 123°03'54"W

Legend "SEPARATION ZONE (see note B)" 48°26'35"N 123°06'00"W

Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°28'12"N 123°07'18"W
48°25'42"N 123°03'17"W

Note: Traffic lane extends beyond chart border

Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°27'24"N 123°08'54"W
48°25'12"N 123°05'00"W

Open-outlined arrow indicating flow of traffic [M10] oriented 312° 48°27'02"N 123°06'00"W
Open-outlined arrow indicating flow of traffic [M10] oriented 132° 48°26'27"N 123°06'46"W
Note: Connects to existing traffic separation scheme close south

Note: The above Traffic Separation Scheme Amendments have been adopted by the IMO and will become effective at 0001 GMT hours on 1 December 2002
(Supersedes 44/02P-18433)

(NTM0038/2002)

18434 4Ed. 4/27/96 LAST NM 44/02 48/02

Add Purple tint area (traffic separation zone) [M13] bound by limit joining 48°25'18"N 123°04'18"W
48°26'54"N 123°06'58"W
48°27'18"N 123°06'58"W
48°25'24"N 123°03'54"W

Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°27'57"N 123°06'58"W
48°25'36"N 123°03'06"W

Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°26'18"N 123°06'58"W
48°25'12"N 123°05'00"W

Open-outlined arrow indicating flow of traffic [M10] oriented 312° 48°27'00"N 123°06'00"W
Open-outlined arrow indicating flow of traffic [M10] oriented 132° 48°26'25"N 123°06'38"W
Note: Connects to existing traffic separation scheme close south
Note: Traffic separation scheme extends beyond chart border

Note: The above Traffic Separation Scheme Amendments have been adopted by the IMO and will become effective at 0001 GMT hours on 1 December 2002
(Supersedes 44/02-18434)

(NTM0038/2002)

18440 25Ed. 9/2/00 LAST NM 44/02 48/02

Delete Purple tint (traffic separation zone), legend "SEPARATION...E)" and directional arrows (2) in vicinity 48°11.3'N 123°26.7'W

Purple tint area bound by chart boarder and limit joining 48°15.4'N 123°28.2'W
48°16.0'N 123°28.2'W
48°15.8'N 123°27.2'W
48°15.6'N 123°27.3'W

Note: Remainder of separation zone unchanged

Purple heavy dashed line joining 48°15.1'N 123°25.6'W
48°13.6'N 123°26.2'W
48°10.9'N 123°25.1'W
48°17.2'N 123°06.6'W

(continued on next page)

18440 (Continued)

Purple heavy dashed line joining 48°10.7'N 123°28.2'W
 48°10.2'N 123°27.4'W
 48°09.8'N 123°27.7'W
 48°08.7'N 123°27.7'W

Add Purple dashed line (precautionary area) bound by purple heavy dashed line joining 48°16.0'N 123°28.2'W
 48°15.8'N 123°27.2'W
 48°15.1'N 123°25.6'W
 48°14.0'N 123°26.0'W
 48°13.5'N 123°25.9'W
 48°12.7'N 123°25.3'W
 48°12.8'N 123°27.5'W
 48°12.9'N 123°28.2'W

Note: Area extends beyond chart border

Purple tint area (traffic separation zone) [M13] bound by limit joining 48°12.9'N 123°28.2'W
 48°12.8'N 123°27.5'W
 48°11.0'N 123°24.8'W
 48°10.8'N 123°25.4'W
 48°12.2'N 123°28.2'W

Note: Traffic separation scheme extends beyond chart border

Legend "SEPARATION ZONE (see notes A & E)" 48°12.0'N 123°26.7'W

Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°11.2'N 123°23.8'W
 48°12.7'N 123°25.3'W

Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°10.9'N 123°28.2'W
 48°09.4'N 123°24.2'W

Open-outlined arrow indicating flow of traffic [M10] oriented 121° 48°11.0'N 123°27.0'W
 Open-outlined arrow indicating flow of traffic [M10] oriented 321° 48°12.4'N 123°25.8'W

Purple tint area (traffic separation zone) [M13] bound by limit joining 48°13.2'N 123°15.9'W
 48°14.0'N 123°26.0'W
 48°13.5'N 123°25.9'W
 48°12.9'N 123°16.7'W

Legend "SEPARATION ZONE (see notes A & E)" 48°13.3'N 123°21.3'W

Purple heavy dashed line (outside limit of traffic lane) [M15] joining 48°14.3'N 123°13.4'W
 48°14.0'N 123°16.1'W
 48°15.1'N 123°25.6'W

Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°12.7'N 123°25.3'W
 48°12.3'N 123°18.0'W

Open-outlined arrow indicating flow of traffic [M10] oriented 100° 48°12.7'N 123°20.0'W
 Open-outlined arrow indicating flow of traffic [M10] oriented 278° 48°14.0'N 123°20.0'W

Purple heavy dashed line (precautionary area) joining 48°17.2'N 123°06.6'W
 48°14.3'N 123°13.4'W
 48°12.3'N 123°18.0'W
 48°12.7'N 123°25.3'W
 48°11.2'N 123°23.8'W
 48°10.8'N 123°25.4'W
 48°09.4'N 123°24.2'W
 48°08.4'N 123°24.2'W

Note: The above Traffic Separation Scheme Amendments have been adopted by the IMO and will become effective at 0001 GMT hours on 1 December 2002 (Supersedes 44/02P-18440)

(NM0038/2002)

18460 10Ed. 3/10/01 LAST NM 47/02 48/02
 Delete Traffic separation scheme, directional arrows (10) and precautionary area between 48°26.0'N 124°58.0'W
 48°15.0'N 123°49.1'W

Note: Legends "Puget...F)", "COOPERATIVE...G)", "TRAFFIC...OUTBOUND", "DANGER...D)", "TRAFFIC...INBOUND", "NAVAL...2" and radio reporting point symbols remain

Add Purple tint area (traffic separation zone) [M13] bound by limit joining 48°30.1'N 125°09.0'W
 48°30.1'N 125°04.7'W
 48°29.1'N 125°04.7'W
 48°29.1'N 125°09.0'W

Legend "SEPARATION ZONE (see note C)" 48°29.5'N 125°07.0'W

Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°31.1'N 125°04.7'W
 48°31.9'N 125°09.0'W

Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°27.3'N 125°09.0'W
 48°28.1'N 125°04.7'W

Open-outlined arrow indicating flow of traffic [M10] oriented 270° 48°30.7'N 125°06.8'W
 Open-outlined arrow indicating flow of traffic [M10] oriented 090° 48°28.6'N 125°06.8'W

Purple tint area (traffic separation zone) [M13] bound by limit joining 48°24.0'N 125°06.5'W
 48°27.6'N 125°03.4'W
 48°27.1'N 125°02.1'W
 48°23.5'N 125°05.3'W

Legend "SEPARATION ZONE (see note C)" 48°25.5'N 125°04.2'W

Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°22.6'N 125°02.8'W
 48°26.6'N 125°00.8'W

Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°28.1'N 125°04.7'W
 48°24.9'N 125°09.0'W

Open-outlined arrow indicating flow of traffic [M10] oriented 210° 48°26.0'N 125°06.0'W
 Open-outlined arrow indicating flow of traffic [M10] oriented 030° 48°25.0'N 125°02.2'W

"PRECAUTIONARY AREA (see note C)" bound by purple heavy dashed line joining 48°31.1'N 125°04.7'W
 48°30.1'N 125°04.7'W
 48°29.1'N 125°04.7'W
 48°28.1'N 125°04.7'W
 48°27.6'N 125°03.4'W
 48°27.1'N 125°02.1'W
 48°26.6'N 125°00.8'W
 48°28.1'N 124°57.9'W
 48°29.1'N 125°00.0'W
 48°30.1'N 125°00.0'W
 48°31.1'N 125°00.0'W

Purple tint area (traffic separation zone) [M13] bound by limit joining 48°16.2'N 123°49.1'W
 48°17.0'N 123°56.5'W
 48°30.1'N 124°43.5'W
 48°30.1'N 125°00.0'W
 48°29.1'N 125°00.0'W
 48°29.1'N 124°43.8'W
 48°13.9'N 123°54.8'W
 48°13.9'N 123°49.1'W

Note: Traffic separation scheme extends beyond chart boarder

Legend "SEPARATION ZONE (see note C)" 48°22.4'N 124°20.0'W

Purple heavy dashed line (outside limit of traffic lane) [M15] joining 48°17.4'N 123°49.1'W
 48°18.0'N 123°56.1'W
 48°32.0'N 124°46.6'W

Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°31.1'N 124°47.1'W
 48°31.1'N 125°00.0'W

Purple heavy dashed line (outside limit of traffic lane) [M15] joining 48°28.1'N 124°57.9'W
 48°28.1'N 124°44.1'W
 48°12.9'N 123°55.2'W
 48°12.9'N 124°49.1'W

Open-outlined arrow indicating flow of traffic [M10] oriented 279° 48°17.2'N 123°52.3'W

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18460 (Continued)

Open-outlined arrow indicating flow of traffic
[M10] oriented 293° 48°20.9'N 124°08.9'W
Open-outlined arrow indicating flow of traffic
[M10] oriented 293° 48°29.8'N 124°41.0'W
Open-outlined arrow indicating flow of traffic
[M10] oriented 293° 48°31.5'N 124°46.2'W
Open-outlined arrow indicating flow of traffic
[M10] oriented 270° 48°30.6'N 124°46.2'W
Open-outlined arrow indicating flow of traffic
[M10] oriented 270° 48°30.6'N 124°57.0'W
Open-outlined arrow indicating flow of traffic
[M10] oriented 090° 48°28.5'N 124°56.6'W
Open-outlined arrow indicating flow of traffic
[M10] oriented 113° 48°28.1'N 124°42.0'W
Open-outlined arrow indicating flow of traffic
[M10] oriented 113° 48°18.2'N 124°10.8'W
Open-outlined arrow indicating flow of traffic
[M10] oriented 090° 48°13.3'N 123°52.3'W

“Recommended Two-Way Route” bound by
purple heavy dashed line [M15] joining
48°27.1'N 124°44.4'W
48°11.9'N 123°55.6'W
48°11.9'N 123°49.1'W

Note: Route extends beyond chart border

Open-outlined arrow indicating flow of traffic
[M10] oriented 115° 48°27.2'N 124°42.7'W
Open-outlined arrow indicating flow of traffic
[M10] oriented 115° 48°13.3'N 123°58.1'W
Open-outlined arrow indicating flow of traffic
[M10] oriented 090° 48°12.4'N 123°50.0'W
Open-outlined arrow indicating flow of traffic
[M10] oriented 295° 48°26.2'N 124°42.7'W
Open-outlined arrow indicating flow of traffic
[M10] oriented 295° 48°12.3'N 123°58.1'W
Open-outlined arrow indicating flow of traffic
[M10] oriented 270° 48°11.4'N 123°50.0'W

Note: The above Traffic Separation Scheme
Amendments have been adopted by the IMO
and will become effective at 0001 GMT hours
on 1 December 2002
(Supersedes 44/02P-18460)

(NTM0038/2002)

18465 34Ed. 7/28/01 LAST NM 44/02 48/02

Delete Traffic separation schemes, directional arrows,
legends “TRAFFIC...INBOUND”,
“SEPARATION...A)” and precautionary area
bound by chart boarder and limit joining

48°18'12"N 123°55'18"W
48°20'54"N 123°26'12"W
48°20'14"N 123°23'30"W
48°10'54"N 123°25'07"W
48°08'12"N 123°27'45"W
48°12'24"N 123°55'18"W

Note: Legends “PUGET...G)”,
“COOPERATIVE...H)”, “NAVAL...2)”,
“DANGER...C)”, “TRAFFIC...OUTBOUND”,
“PRECAUTIONARY...F)” remain

Purple heavy dashed line between
48°17'06"N 123°06'38"W
48°10'54"N 123°25'07"W

Purple tint (traffic separation zone) between
48°24'14"N 122°48'06"W
48°25'26"N 122°46'33"W

Note: Precautionary area close north and traffic
separation scheme close south remain

Add Purple tint area (traffic separation zone) [M13]
bound by limit joining
48°14'05"N 123°55'18"W
48°13'54"N 123°54'48"W
48°13'54"N 123°32'00"W
48°14'30"N 123°32'00"W
48°17'00"N 123°55'18"W

Note: Traffic separation scheme extends
beyond chart border

Legend “SEPARATION ZONE (see note A)”
48°15'00"N 123°48'36"W

Purple heavy dashed line (outside limit of
traffic lane) [M15] joining
48°16'24"N 123°30'24"W
48°16'00"N 123°33'30"W
48°18'00"N 123°55'18"W

Purple heavy dashed line (outside limit of
traffic lane) [M15] between
48°12'54"N 123°55'18"W
48°12'54"N 123°32'54"W

Legend “TRAFFIC LANE INBOUND”
48°13'18"N 123°50'00"W

Open-outlined arrow indicating flow of traffic
[M10] oriented 279° 48°17'32"N 123°53'51"W
Open-outlined arrow indicating flow of traffic
[M10] oriented 279° 48°16'34"N 123°44'48"W
Open-outlined arrow indicating flow of traffic
[M10] oriented 090° 48°13'18"N 123°53'45"W
Open-outlined arrow indicating flow of traffic
[M10] oriented 090° 48°13'18"N 123°44'36"W

“Recommended Two-Way Route” bound by
purple heavy dashed line [M15] between
48°11'54"N 123°55'18"W
48°11'54"N 123°34'00"W

Note: Route extends beyond chart border

Open-outlined arrow indicating flow of traffic
[M10] oriented 090° 48°12'24"N 123°54'30"W
Open-outlined arrow indicating flow of traffic
[M10] oriented 090° 48°12'24"N 123°40'00"W
Open-outlined arrow indicating flow of traffic
[M10] oriented 270° 48°11'24"N 123°54'30"W
Open-outlined arrow indicating flow of traffic
[M10] oriented 270° 48°11'24"N 123°40'00"W

“PRECAUTIONARY AREA (see notes A &
F)” bound by purple heavy dashed line joining
48°12'54"N 123°32'54"W
48°13'54"N 123°32'00"W
48°14'30"N 123°32'00"W
48°16'24"N 123°30'24"W
48°16'12"N 123°28'30"W
48°15'48"N 123°27'12"W
48°15'06"N 123°25'36"W
48°14'00"N 123°26'00"W
48°13'30"N 123°25'54"W
48°12'42"N 123°25'18"W
48°12'48"N 123°27'30"W
48°12'54"N 123°28'42"W

Purple tint area (traffic separation zone) [M13]
bound by limit joining
48°10'48"N 123°25'24"W
48°12'24"N 123°28'42"W
48°12'54"N 123°28'42"W
48°12'48"N 123°27'30"W
48°11'00"N 123°24'48"W

Legend “SEPARATION ZONE (see note A)”
48°11'42"N 123°26'24"W

Purple heavy dashed line (outside limit of
traffic lane) [M15] between
48°11'12"N 123°23'48"W
48°12'42"N 123°25'18"W

Purple heavy dashed line (outside limit of
traffic lane) [M15] between
48°12'54"N 123°32'54"W
48°09'24"N 123°24'12"W

Open-outlined arrow indicating flow of traffic
[M10] oriented 125° 48°11'36"N 123°27'24"W
Open-outlined arrow indicating flow of traffic
[M10] oriented 315° 48°12'24"N 123°25'48"W

Purple tint area (traffic separation zone) [M13]
bound by limit joining
48°21'12"N 123°24'48"W
48°16'12"N 123°28'30"W
48°15'48"N 123°27'12"W
48°20'54"N 123°24'18"W

Legend “SEPARATION ZONE (see note A)”
48°17'36"N 123°26'42"W

Purple heavy dashed line (outside limit of
traffic lane) [M15] between
48°21'48"N 123°25'36"W
48°16'24"N 123°30'24"W

Purple heavy dashed line (outside limit of
traffic lane) [M15] between
48°20'54"N 123°23'12"W
48°15'06"N 123°25'36"W

Open-outlined arrow indicating flow of traffic
[M10] oriented 208° 48°20'30"N 123°26'00"W
Open-outlined arrow indicating flow of traffic
[M10] oriented 016° 48°20'00"N 123°24'08"W

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18465 (Continued)

Purple tint area (traffic separation zone) [M13]
 bound by limit joining 48°13'12"N 123°15'54"W
 48°14'00"N 123°26'00"W
 48°13'30"N 123°25'54"W
 48°12'54"N 123°16'42"W

Legend "SEPARATION ZONE (see note A)"
 48°13'30"N 123°22'24"W

Purple heavy dashed line (outside limit of traffic lane) [M15] joining 48°14'18"N 123°13'24"W
 48°14'00"N 123°16'06"W
 48°15'06"N 123°25'36"W

Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°12'42"N 123°25'18"W
 48°12'18"N 123°18'00"W

Open-outlined arrow indicating flow of traffic [M10] oriented 095° 48°12'56"N 123°21'06"W
 Open-outlined arrow indicating flow of traffic [M10] oriented 279° 48°14'06"N 123°20'30"W

Purple heavy dashed line (precautionary area) joining 48°17'12"N 123°06'36"W
 48°14'18"N 123°13'24"W
 48°12'18"N 123°18'00"W
 48°12'42"N 123°25'18"W
 48°11'12"N 123°23'48"W
 48°10'48"N 123°25'24"W
 48°09'24"N 123°24'12"W
 48°08'24"N 123°24'12"W

Purple tint area (traffic separation zone) [M13] bound by limit joining 48°25'18"N 123°04'18"W
 48°27'36"N 123°08'06"W
 48°27'48"N 123°07'48"W
 48°25'24"N 123°03'54"W

Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°27'24"N 123°09'00"W
 48°25'12"N 123°05'00"W

Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°28'12"N 123°07'18"W
 48°25'36"N 123°03'06"W

Open-outlined arrow indicating flow of traffic [M10] oriented 313° 48°27'06"N 123°06'06"W
 Open-outlined arrow indicating flow of traffic [M10] oriented 133° 48°26'36"N 123°07'00"W
 Note: Connects to existing traffic separation scheme close south

Note: The above Traffic Separation Scheme Amendments have been adopted by the IMO and will become effective at 0001 GMT hours on 1 December 2002 (Supersedes 44/02-18465) (NTM0038/2002)

18480 28Ed. 4/6/02 LAST NM 47/02 48/02

Delete Traffic separation scheme, directional arrows and precautionary area between 48°26.0'N 124°58.0'W
 48°15.0'N 123°40.1'W

Note: Legends "PUGET...G)", "COOPERATIVE...F)", "TRAFFIC...INBOUND", "TRAFFIC...OUTBOUND", and radio reporting point symbol remain

Add Purple tint area (traffic separation zone) [M13] bound by limit joining 48°30.1'N 125°09.0'W
 48°30.1'N 125°04.7'W
 48°29.1'N 125°04.7'W
 48°29.1'N 125°09.0'W

Legend "SEPARATION ZONE (see note C)" 48°29.5'N 125°07.0'W

Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°31.1'N 125°04.7'W
 48°31.9'N 125°09.0'W

Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°27.3'N 125°09.0'W
 48°28.1'N 125°04.7'W

Open-outlined arrow indicating flow of traffic [M10] oriented 270° 48°30.7'N 125°06.8'W

Open-outlined arrow indicating flow of traffic [M10] oriented 090° 48°28.6'N 125°06.8'W

Purple tint area (traffic separation zone) [M13] bound by limit joining 48°24.0'N 125°06.5'W
 48°27.6'N 125°03.4'W
 48°27.1'N 125°02.1'W
 48°23.5'N 125°05.3'W

Legend "SEPARATION ZONE (see note C)" 48°25.5'N 125°04.2'W

Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°22.6'N 125°02.8'W
 48°26.6'N 125°00.8'W

Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°28.1'N 125°04.7'W
 48°24.9'N 125°09.0'W

Open-outlined arrow indicating flow of traffic [M10] oriented 210° 48°26.0'N 125°06.0'W
 Open-outlined arrow indicating flow of traffic [M10] oriented 030° 48°25.0'N 125°02.2'W

"PRECAUTIONARY AREA (see note C)" bound by purple heavy dashed line joining 48°31.1'N 125°04.7'W
 48°30.1'N 125°04.7'W
 48°29.1'N 125°04.7'W
 48°28.1'N 125°04.7'W
 48°27.6'N 125°03.4'W
 48°27.1'N 125°02.1'W
 48°26.6'N 125°00.8'W
 48°28.1'N 124°57.9'W
 48°29.1'N 125°00.0'W
 48°30.1'N 125°00.0'W
 48°31.1'N 125°00.0'W

Purple tint area (traffic separation zone) [M13] bound by limit joining 48°15.3'N 123°40.1'W
 48°17.0'N 123°56.5'W
 48°30.1'N 124°43.5'W
 48°30.1'N 125°00.0'W
 48°29.1'N 125°00.0'W
 48°29.1'N 124°43.8'W
 48°13.9'N 123°54.8'W
 48°13.9'N 123°40.1'W

Note: Traffic separation scheme extends beyond chart boarder

Legend "SEPARATION ZONE (see note C)" 48°22.4'N 124°20.0'W

Purple heavy dashed line (outside limit of traffic lane) [M15] joining 48°16.6'N 123°40.1'W
 48°18.0'N 123°56.1'W
 48°32.0'N 124°46.6'W

Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°31.1'N 124°47.1'W
 48°31.1'N 125°00.0'W

Purple heavy dashed line (outside limit of traffic lane) [M15] joining 48°28.1'N 124°57.9'W
 48°28.1'N 124°44.1'W
 48°12.9'N 123°55.2'W
 48°12.9'N 124°40.1'W

Open-outlined arrow indicating flow of traffic [M10] oriented 279° 48°17.2'N 123°52.3'W
 Open-outlined arrow indicating flow of traffic [M10] oriented 293° 48°21.0'N 124°10.1'W
 Open-outlined arrow indicating flow of traffic [M10] oriented 293° 48°29.5'N 124°40.0'W
 Open-outlined arrow indicating flow of traffic [M10] oriented 293° 48°31.4'N 124°46.2'W
 Open-outlined arrow indicating flow of traffic [M10] oriented 270° 48°30.5'N 124°46.2'W
 Open-outlined arrow indicating flow of traffic [M10] oriented 270° 48°30.6'N 124°57.0'W
 Open-outlined arrow indicating flow of traffic [M10] oriented 090° 48°28.5'N 124°56.6'W
 Open-outlined arrow indicating flow of traffic [M10] oriented 115° 48°27.5'N 124°40.0'W
 Open-outlined arrow indicating flow of traffic [M10] oriented 115° 48°18.2'N 124°10.8'W
 Open-outlined arrow indicating flow of traffic [M10] oriented 090° 48°13.3'N 123°52.3'W

(continued on next page)

SECTION I

NM 48/02

18480	(Continued)					
	"Recommended Two-Way Route" bound by purple heavy dashed line [M15] joining	48°27.1'N 124°44.4'W 48°11.9'N 123°55.6'W 48°11.9'N 123°34.0'W				
	Note: Route extends beyond chart border					
	Open-outlined arrow indicating flow of traffic [M10] oriented 115°	48°27.2'N 124°42.7'W				
	Open-outlined arrow indicating flow of traffic [M10] oriented 115°	48°13.3'N 123°58.1'W				
	Open-outlined arrow indicating flow of traffic [M10] oriented 090°	48°12.4'N 123°52.0'W				
	Open-outlined arrow indicating flow of traffic [M10] oriented 295°	48°26.2'N 124°42.7'W				
	Open-outlined arrow indicating flow of traffic [M10] oriented 295°	48°12.3'N 123°58.1'W				
	Open-outlined arrow indicating flow of traffic [M10] oriented 270°	48°11.4'N 123°52.0'W				
	Note: The above Traffic Separation Scheme Amendments have been adopted by the IMO and will become effective at 0001 GMT hours on 1 December 2002 (Supersedes 44/02P-18480)					
	(NTM0038/2002)					
18485	14Ed. 1/31/98 LAST NM 44/02				48/02	
	Delete Traffic separation scheme and precautionary area between	48°30'00"N 124°34'30"W 48°21'00"N 124°56'50"W				
	Note: Legends "SEPARATION...C)", "PUGET...E)", "COOPERATIVE...F)", "SEPARATION ZONE", "VESSEL...A)", "TRAFFIC...OUTBOUND", "TRAFFIC INBOUND" and directional arrows (4) remain					
	Open-outlined arrow symbol	48°28'05"N 124°56'00"W				
	Open-outlined arrow symbol	48°24'31"N 124°54'55"W				
	Open-outlined arrow symbol	48°22'12"N 124°50'47"W				
	Add Purple tint area (traffic separation zone) [M13] bound by limit joining	48°29'06"N 124°56'50"W 48°29'06"N 124°43'48"W 48°26'15"N 124°34'30"W 48°27'28"N 124°34'30"W 48°30'00"N 124°43'20"W				
	Note: Traffic separation scheme extends beyond chart border					
	Purple heavy dashed line (outside limit of traffic lane) [M15] between	48°28'40"N 124°34'30"W 48°30'00"N 125°39'17"W				
	Purple heavy dashed line (outside limit of traffic lane) [M15] joining	48°28'06"N 124°56'50"W 48°28'06"N 124°44'06"W 48°25'09"N 124°34'30"W				
	Open-outlined arrow indicating flow of traffic [M10] oriented 090°	48°28'29"N 124°56'05"W				
	"Recommended Two-Way Route" bound by purple heavy dashed line [M15] between	48°27'06"N 124°44'24"W 48°24'12"N 124°34'30"W				
	Note: Route extends beyond chart border					
	Open-outlined arrow indicating flow of traffic [M10] oriented 115°	48°27'12"N 124°42'42"W				
	Open-outlined arrow indicating flow of traffic [M10] oriented 295°	48°26'12"N 124°42'42"W				
	Note: The above Traffic Separation Scheme Amendments have been adopted by the IMO and will become effective at 0001 GMT hours on 1 December 2002 (Supersedes 44/02P-18485)					
	(NTM0038/2002)					
21141	23Ed. 11/3/84 LAST NM 38/01				48/02	
	Change Visibility (range) of light to 10M	26°04'03"N 111°05'35"W				
	Visibility (range) of light to 8M	25°48'36"N 111°18'17"W				
	Visibility (range) of light to 9M	25°45'40"N 111°14'58"W				
	Visibility (range) of light to 9M	25°44'10"N 111°03'02"W				
	Light to Fl 6s 26ft 9M (PA)	25°43'30"N 111°13'42"W				
	(Mex LL)					
21161	19Ed. 3/13/76 LAST NM 43/02				48/02	
	Change Visibility (range) of light to 9M	26°41.0'N 111°34.0'W				
	Visibility (range) of light to 9M	26°37.9'N 111°26.4'W				
	(Mex LL)					
22008	35Ed. 9/6/97 LAST NM 44/02				48/02	
	Add Wreck [K29]	10°52.2'S 77°47.1'W				
	(10/104)02 Callao)					
22138	2Ed. 5/11/96 LAST NM 44/02				48/02	
	Delete Tank symbols (5) and legend "TANKS" in vicinity	6°49'28"S 79°56'18"W				
	(10/100)02 Callao)					
22160	2Ed. 5/25/96 LAST NM 41/02				48/02	
	Add Wreck [K29]	10°52.2'S 77°47.1'W				
	(10/104)02 Callao)					
★22172	8Ed. 10/12/02 NEW EDITION				48/02	
	(NIMA)					
★22173	36Ed. 10/12/02 NEW EDITION				48/02	
	(NIMA)					
24028	6Ed. 8/11/01 LAST NM 23/02				48/02	
	Add Submarine pipeline [L40.1] between	10°54.4'N 61°41.4'W 10°42.8'N 61°40.3'W				
	(39/4204)02 Taunton)					
24404	8Ed. 9/4/93 LAST NM 44/02				48/02	
	Add Submarine pipeline [L40.1] joining	10°54.4'N 61°41.4'W 10°54.1'N 61°41.4'W 10°52.9'N 61°41.2'W 10°52.3'N 61°41.2'W 10°43.2'N 61°40.4'W 10°42.4'N 61°40.4'W 10°41.6'N 61°40.3'W 10°39.0'N 61°40.4'W 10°38.8'N 61°40.3'W 10°14.2'N 61°41.6'W 10°14.0'N 61°41.6'W 10°13.7'N 61°41.5'W 10°11.3'N 61°40.7'W				
	(39/4204)02 Taunton)					
24405	10Ed. 7/8/95 LAST NM 44/02				48/02	
	Add Submarine pipeline [L40.1] with legend "GAS" joining	10°47'00"N 61°40'47"W 10°43'12"N 61°40'25"W 10°42'25"N 61°40'25"W 10°41'33"N 61°40'16"W 10°39'02"N 61°40'21"W 10°38'47"N 61°40'19"W 10°14'10"N 61°41'34"W 10°13'57"N 61°41'34"W 10°13'44"N 61°41'31"W 10°11'19"N 61°40'39"W				
	(See 36/02-24405)					
	(39/4204)02 Taunton)					
24408	21Ed. 11/26/94 LAST NM 44/02				48/02	
	Add Submarine pipeline [L40.1] with legend "Gas" joining	10°14'22.0"N 61°41'33.5"W 10°14'09.6"N 61°41'34.2"W 10°13'57.0"N 61°41'33.6"W 10°13'43.8"N 61°41'31.2"W 10°11'19.0"N 61°40'39.0"W				
	(See 36/02-24408)					
	(39/4204)02 Taunton)					
25400	1Ed. 4/18/81 LAST NM 35/02				48/02	
	Add Submarine pipeline [L40.1] joining	10°54.4'N 61°41.4'W 10°52.9'N 61°41.2'W 10°43.2'N 61°40.4'W 10°41.6'N 61°40.3'W 10°39.0'N 61°40.4'W 10°38.0'N 61°40.4'W				
	(39/4204)02 Taunton)					

25668	18Ed. 1/12/02	LAST NM 16/02	48/02		
Delete	Range lights (2) and range line between				
			18°26'38"N 66°07'52"W		
			18°27'40"N 66°07'43"W		
Add	Range light, front QG 23ft, Fl 2.5s 27ft 5M		18°27'25"N 66°07'42"W		
	Range light, rear Iso G 6s 56ft, Fl 2.5s 15ft 5M		18°27'18"N 66°07'42"W		
	Range line extending in 000°30' direction from above rear light dashed for 1430 yards (37/02 CG7; USCG LL)				
★25670	41Ed. 4/13/02	LAST NM 38/02	48/02		
Delete	Range lights (2), range line and legend "BAR...tabulation)" between		18°26'38"N 66°07'53"W		
			18°28'48"N 66°07'35"W		
Relocate	Range light, front from 18°26'31.0"N 66°05'10.1"W to 18°26'26.8"N 66°04'59.6"W and delete legend "PA" Note: Range bearing unchanged				
Add	Range light, front QG 23ft, Fl 2.5s 27ft 5M		18°27'25.5"N 66°07'42.4"W		
	Range light, rear Iso G 6s 56ft, Fl 2.5s 15ft 5M		18°27'18.3"N 66°07'42.5"W		
	Range line extending in 000°30' direction from above rear light dashed for 1640 yards, thence solid for 1390 yards				
	Legend "BAR CHANNEL (see tabulation)"		18°28'04.2"N 66°07'42.0"W		
	(37, 38/02 CG7; USCG LL)				
35000	26Ed. 5/3/97	LAST NM 47/02	48/02		
Add	Depth 115 meters Well [L21.2]		60°30.7'N 1°50.0'E		
	Depth 143 meters Well [L21.2]		58°14.8'N 0°23.4'E		
	(32(3364, 3365)02 Taunton)				
35008	21Ed. 10/19/96	LAST NM 45/02	48/02		
Delete	HORN from light		59°33.2'N 1°36.5'W		
	HORN from light		58°53.8'N 2°40.2'W		
Add	Depth 115 meters Well [L21.2]		60°30.7'N 1°50.0'E		
	Depth 143 meters Well [L21.2]		58°14.8'N 0°23.4'E		
	(41(4034, 4035)01, 32(3364, 3365)02 Taunton)				
35011	2Ed. 10/4/97	LAST NM 11/02	48/02		
Delete	HORN from light		59°33.2'N 1°36.5'W		
	HORN from light		58°53.8'N 2°40.2'W		
	(41(4034, 4035)01 Taunton)				
35130	3Ed. 11/15/97	LAST NM 35/99	48/02		
Delete	HORN from light		59°33'12"N 1°36'30"W		
	HORN from light		58°53'48"N 2°40'12"W		
	(41(4034, 4035)01 Taunton)				
35136	2Ed. 9/1/84	LAST NM 4/01	48/02		
Delete	HORN from light		58°53'48"N 2°40'12"W		
	(41(4035)01 Taunton)				
35150	3Ed. 2/22/97	LAST NM 35/99	48/02		
Delete	HORN from light		59°33'12"N 1°36'30"W		
	(41(4034)01 Taunton)				
35200	7Ed. 6/14/97	LAST NM 5/99	48/02		
Delete	HORN from light		58°53'48"N 2°40'12"W		
	(41(4035)01 Taunton)				
37000	(INT 140)	22Ed. 8/19/95	LAST NM 47/02	48/02	
Add	Depth 115 meters Well [L21.2]		60°30.7'N 1°50.0'E		
	Depth 143 meters Well [L21.2]		58°14.8'N 0°23.4'E		
	(32(3364, 3365)02 Taunton)				
37122	12Ed. 5/17/97	LAST NM 40/01	48/02		
Delete	Depth 8.6 meters		51°26'34"N 1°28'00"E		
Add	Depth 8.1 meters, blue tint and enclosing depth contour (10-meter)		51°26'28"N 1°27'54"E		
	(41(4026)01 Taunton)				
37137	6Ed. 4/18/98	LAST NM 46/02	48/02		
	(Continuation)				
Add	Double solid line with land tint (jetty) [F14] joining		51°29'45.0"N 0°10'22.9"E		
			51°29'42.9"N 0°10'22.4"E		
			51°29'42.0"N 0°10'19.8"E		
	(26(2540)00 Taunton)				
37141	29Ed. 10/21/95	LAST NM 40/02	48/02		
Delete	Depth 8.6 meters		51°26'34"N 1°28'00"E		
Add	Depth 8.1 meters enclosed by depth contour (10-meter)		51°26'28"N 1°27'54"E		
	Depth 6.9 meters		51°32'52"N 1°06'38"E		
	(41(4026, 4027)01 Taunton)				
37182	14Ed. 5/22/99	LAST NM 47/02	48/02		
Add	Depth 7.7 meters		53°38'23"N 0°11'52"W		
	(41(4030)01 Taunton)				
37183	9Ed. 7/12/97	LAST NM 48/01	48/02		
Add	Depth 7.7 meters		53°38'23"N 0°11'52"W		
	(41(4030)01 Taunton)				
37184	8Ed. 7/12/97	LAST NM 9/01	48/02		
Add	Depth 7.7 meters		53°38'23.3"N 0°11'51.7"W		
	(Plan C)				
Add	Depth 7.7 meters		53°38'23.3"N 0°11'51.7"W		
	(41(4030)01 Taunton)				
37362	6Ed. 7/12/97	LAST NM 43/02	48/02		
Delete	"Mussel Beds" area in vicinity		47°13'12"N 2°13'30"W		
	Buoy		47°13'21"N 2°12'48"W		
	Buoy		47°13'14"N 2°12'33"W		
	Buoy		47°12'41"N 2°13'18"W		
	Buoy		47°12'51"N 2°14'09"W		
	Buoy		47°13'18"N 2°14'33"W		
	Buoy		47°13'30"N 2°13'22"W		
Change	Light to Dir QW 10m 19M		47°18'00"N 2°30'54"W		
	Light to Dir QW 14m 19M		47°17'54"N 2°30'54"W		
Add	Light Q(9) 15s to buoy		47°18'07"N 2°34'20"W		
	"Mussel Beds" area bound by dashed line joining		47°13'26"N 2°11'05"W		
			47°13'11"N 2°11'35"W		
			47°12'56"N 2°10'50"W		
			47°13'11"N 2°10'35"W		
	Buoy BY, pillar, double cone topmark points upward [Q130.3]		47°13'26"N 2°11'05"W		
	Buoy YBY, pillar, double cone topmark points together [Q130.3]		47°13'11"N 2°11'35"W		
	Buoy YB, pillar, double cone topmark points downward [Q130.3]		47°12'56"N 2°10'50"W		
	Buoy BYB, pillar, double cone topmark bases together [Q130.3]		47°13'11"N 2°10'35"W		
	(46(17, 18)99 Brest; Fr LL)				
37363	8Ed. 8/23/97	LAST NM 11/02	48/02		
Delete	"Oyster Beds" area in vicinity		47°13'09.0"N 2°12'33.0"W		
	Buoy		47°13'15.0"N 2°12'31.8"W		
	Buoy		47°13'32.2"N 2°13'17.6"W		
	Buoy		47°13'21.2"N 2°12'48.9"W		
	Buoy		47°13'18.1"N 2°14'32.1"W		
	Buoy		47°12'50.8"N 2°14'09.2"W		
	Buoy		47°12'42.0"N 2°13'17.5"W		

(continued on next page)

SECTION I

NM 48/02

37363	(Continued)				
Add	"Oyster Beds" area bound by dashed line joining	47°13'26.4"N 2°11'04.8"W 47°13'11.4"N 2°11'34.8"W 47°12'56.4"N 2°10'49.8"W 47°13'11.4"N 2°10'34.8"W			
	Buoy BY, pillar, double cone topmark points upward [Q130.3]	47°13'26.4"N 2°11'04.8"W			
	Buoy YBY, pillar, double cone topmark points together [Q130.3]	47°13'11.4"N 2°11'34.8"W			
	Buoy YB, pillar, double cone topmark points downward [Q130.3]	47°12'56.4"N 2°10'49.8"W			
	Buoy BYB, pillar, double cone topmark bases together [Q130.3]	47°13'11.4"N 2°10'34.8"W			
	(46(18)99 Brest)				
37380	2Ed. 9/11/93 LAST NM 44/02				48/02
Add	Light Q(9) 15s to buoy	47°18.1'N 2°34.3'W			
	(46(17)99 Brest)				
37445	1Ed. 10/19/91 LAST NM 12/02				48/02
Delete	Depth 3.3 meters	43°22'46"N 1°47'14"W			
Add	Solid line (breakwater) [F4.1] joining	43°23'08"N 1°47'37"W 43°23'04"N 1°47'32"W 43°23'06"N 1°47'27"W			
	Depth 2.4 meters	43°22'56"N 1°47'38"W			
	Depth 1.4 meters	43°22'47"N 1°47'10"W			
	Depth 1 meter	43°22'35"N 1°46'45"W			
	(51(948)01 Cadiz)				
37481	7Ed. 5/27/00 LAST NM 47/02				48/02
Add	Dangerous wreck [K28]	43°33'17"N 5°39'27"W			
	(Plan B)				
Add	Dangerous wreck [K28]	43°33'17"N 5°39'27"W			
	(49(909)01 Cadiz)				
43140	4Ed. 10/5/96 LAST NM 41/02				48/02
Add	Submarine cable [L30.1] joining	68°10.2'N 14°40.6'E 68°10.9'N 14°39.6'E 68°12.3'N 14°34.7'E 68°12.9'N 14°32.7'E 68°13.4'N 14°31.1'E			
	(2(99)99 Stavanger)				
43146	2Ed. 4/23/83 LAST NM 8/99				48/02
Add	Submarine cable [L30.1] joining	68°10'10"N 14°40'41"E 68°10'15"N 14°40'37"E 68°10'18"N 14°40'21"E 68°10'54"N 14°39'40"E 68°12'21"N 14°34'50"E 68°13'02"N 14°32'02"E 68°13'25"N 14°31'11"E			
	(2(99)99 Stavanger)				
43164	3Ed. 11/23/96 LAST NM 17/02				48/02
Add	Submarine cable [L30.1] joining	68°10'10"N 14°40'35"E 68°10'15"N 14°40'31"E 68°10'18"N 14°40'15"E 68°10'54"N 14°39'34"E 68°11'42"N 14°36'54"E			
	(2(99)99 Stavanger)				
43384	1Ed. 9/14/91 LAST NM 37/01				48/02
Add	Submarine pipeline [L40.1] joining	58°19'44"N 11°49'07"E 58°19'34"N 11°49'11"E 58°18'58"N 11°49'30"E			
	(17(212)02 Norrköping)				
43385	1Ed. 8/22/92 LAST NM 45/02				48/02
Delete	Beacon	57°57'19"N 11°31'53"E			
Add	Submarine pipeline [L41.1] between	57°53'14"N 11°35'44"E 57°53'01"N 11°35'38"E			
	(17(222, 224)02 Norrköping)				
44001	2Ed. 10/19/96 LAST NM 43/01				48/02
Substitute	Depth 20.5 meters for 17.2 meters and delete blue tint and enclosing depth contour		57°52.8'N 22°46.9'E		
	(16(2225)98 St. Petersburg)				
44015	8Ed. 7/22/95 LAST NM 31/02				48/02
Substitute	Depth 20.5 meters for 17.2 meters and delete blue tint and enclosing depth contour		57°52.8'N 22°46.9'E		
	(16(2225)98 St. Petersburg)				
44041	7Ed. 4/3/93 LAST NM 43/01				48/02
Add	Submerged pipeline [L41.1] between		57°53'14"N 11°35'44"E 57°53'01"N 11°35'38"E		
	(17(222)02 Norrköping)				
44051	1Ed. 7/25/92 LAST NM 44/02				48/02
Add	Light Fl Y (occas)	55°38'05.6"N 13°01'05.8"E			
	Light Fl Y (occas)	55°38'05.9"N 13°01'01.8"E			
	Light Fl Y (occas)	55°38'06.7"N 13°01'11.2"E			
	Light Fl Y (occas)	55°38'07.0"N 13°01'14.8"E			
	(43(991)00 Norrköping)				
44163	1Ed. 3/11/89 LAST NM 43/01				48/02
Add	Submarine cable [L30.1] between		58°37'19.5"N 16°37'24.0"E 58°38'13.8"N 16°37'16.2"E		
	(17(214)02 Norrköping)				
44164	1Ed. 12/2/89 LAST NM 46/02				48/02
Change	Light to Fl(3) G 9s		58°34'36.0"N 16°51'17.0"E		
	(36(663)01 Norrköping)				
44182	4Ed. 5/28/94 LAST NM 21/02				48/02
Delete	Depth 6.3 meters	59°19'05.6"N 18°05'02.0"E			
	Depth 6.3 meters	59°19'06.7"N 18°04'53.6"E			
	Depth 6.3 meters	59°19'08.2"N 18°04'46.6"E			
	Pier and land tint in vicinity	59°19'09.0"N 18°04'41.6"E			
	Depth 7.9 meters	59°19'05.4"N 18°05'09.2"E			
	Depth 9.7 meters	59°18'58.0"N 18°05'57.6"E			
Substitute	Depth 7.4 meters for 7.9 meters	59°19'04.2"N 18°05'18.0"E			
	Depth 7.7 meters for 7.9 meters	59°19'03.0"N 18°05'27.0"E			
	Depth 4.7 meters for 4.9 meters	59°19'13.0"N 18°04'27.6"E			
	Depth 7.9 meters for 8.1 meters	59°19'01.3"N 18°05'35.6"E			
	Depth 9.5 meters for 9.7 meters	59°18'58.2"N 18°06'10.4"E			
	Depth 9.4 meters for 9.7 meters	59°18'57.5"N 18°06'17.0"E			
Add	Submarine cable (power) [L31.1] joining		59°19'33.0"N 17°59'57.6"E 59°19'36.0"N 17°59'28.8"E 59°19'51.6"N 17°59'07.8"E		
	Submarine cable [L30.1] joining		59°22'32.4"N 18°02'37.8"E 59°22'21.0"N 18°02'28.8"E 59°22'16.8"N 18°02'07.2"E 59°22'09.0"N 18°02'04.8"E 59°22'08.4"N 18°02'02.4"E		
	Submarine pipeline [L40.1] joining		59°19'20.4"N 18°04'32.4"E 59°19'18.5"N 18°04'35.5"E 59°19'16.0"N 18°04'36.5"E 59°19'14.5"N 18°04'36.0"E 59°19'12.0"N 18°04'33.0"E		
	Submarine pipeline [L40.1] joining		59°18'45.7"N 18°01'55.4"E 59°18'42.4"N 18°02'00.2"E 59°18'32.6"N 18°01'59.5"E 59°18'28.2"N 18°02'03.6"E 59°18'21.7"N 18°02'18.5"E 59°18'13.1"N 18°03'24.0"E 59°18'08.2"N 18°04'14.3"E 59°18'09.1"N 18°04'39.8"E 59°18'08.8"N 18°04'41.8"E		
	Depth 7.5 meters	59°19'09.4"N 18°04'41.8"E			
	Depth 7.7 meters	59°19'08.4"N 18°04'49.8"E			
	Depth 7.7 meters	59°19'06.6"N 18°04'57.6"E			

(continued on next page)

44182	(Continued)				28°28'14.4"N 16°14'39.5"W
	Depth 6 meters	59°19'05.6"N 18°05'06.0"E			28°28'10.8"N 16°14'40.6"W
	Depth 13 meters	59°19'01.0"N 18°05'41.0"E			28°28'10.5"N 16°14'39.4"W
	Depth 6.1 meters	59°19'13.6"N 18°04'32.3"E			28°28'09.8"N 16°14'39.7"W
	(35(646), 48(881)01, 1-2(1), 23(304)02 Norrköping; Swd CH 6141)				28°28'09.3"N 16°14'36.8"W
44183	6Ed. 4/19/97 LAST NM 44/01		48/02		
Add	Submarine pipeline [L41.1] joining	59°22'46"N 18°09'41"E			Solid line (pier) [F14] between 28°28'14.5"N 16°14'40.0"W
		59°22'59"N 18°09'22"E			28°28'16.3"N 16°14'39.3"W
		59°23'12"N 18°08'52"E			Light Fl Y 5s 9m 1M 28°28'16.4"N 16°14'39.8"W
		59°23'13"N 18°08'43"E			Light Fl Y 5s 9m 1M 28°28'16.2"N 16°14'38.8"W
	(17(225)02 Norrköping)				(See 30/00-51341)
					(49(912)01 Cadiz; Spn LL)
44186	2Ed. 6/15/96 LAST NM 46/02		48/02		
Change	Sectors of light to white 067°-219°, red-231°, green-273°, white-353°, green-020°42', white-038°06', red-067°	59°30'52"N 19°05'21"E			
	Sectors of light to green 180°-196°, white-199°, red-262°, green-001°, white-003°, red-040°, green-107°, red-180°	59°39'53"N 19°07'35"E			
	Red sector of light to 007°06'-shore	59°39'41"N 19°09'41"E			
Add	Submarine cable (power) [L31.1] joining	59°30'32"N 18°30'23"E			
		59°30'26"N 18°30'10"E			
		59°30'10"N 18°30'36"E			
	(36(659)01, 13-14(173), 24(329)02 Norrköping)				
44192	1Ed. 12/18/93 LAST NM 46/02		48/02		
Add	Submarine pipeline [L40.1] joining	59°18'46"N 18°01'55"E			
		59°18'42"N 18°02'00"E			
		59°18'33"N 18°01'59"E			
		59°18'28"N 18°02'04"E			
		59°18'22"N 18°02'19"E			
		59°18'13"N 18°03'24"E			
		59°18'08"N 18°04'14"E			
		59°18'09"N 18°04'40"E			
		59°18'09"N 18°04'42"E			
	(23(304)02 Norrköping)				
44203	1Ed. 2/6/93 LAST NM 33/02		48/02		
Change	Sectors of light to green shore-232°, red-shore	60°07'45"N 18°34'03"E			
	(See 33/02-44203)				
Add	Sectors green 161°30'-201°, white-212°, red-shore to light	60°08'58"N 18°32'14"E			
	(43(979)00 Norrköping; Swd LL)				
44204	1Ed. 12/27/86 LAST NM 5/02		48/02		
Delete	Topmark from buoy	60°45'19"N 17°21'59"E			
	Topmark from buoy	60°44'01"N 17°25'47"E			
	(17(221)02 Norrköping)				
44205	2Ed. 4/9/94 LAST NM 10/01		48/02		
Delete	Topmark from buoy	60°45'19.2"N 17°21'59.4"E			
	Topmark from buoy	60°44'01.2"N 17°25'47.4"E			
	Topmark from buoy	60°43'01.2"N 17°17'49.2"E			
	Topmark from buoy	60°42'29.4"N 17°16'53.4"E			
	Topmark from buoy	60°41'45.6"N 17°16'40.2"E			
	(17(221)02 Norrköping)				
44400	4Ed. 9/7/96 LAST NM 43/01		48/02		
Substitute	Depth 20.5 meters for 17.2 meters and delete blue tint and enclosing depth contour	57°52.8'N 22°46.9'E			
	(16(2225)98 St. Petersburg)				
51160	20Ed. 9/22/90 LAST NM 44/01		48/02		
Add	Dangerous wreck [K28]	37°08.9'N 7°17.0'W			
	(49(911)01 Cadiz)				
51341	23Ed. 5/18/96 LAST NM 46/01		48/02		
Add	(Plan) Land tint to area bound by shore and solid line joining	28°28'10.8"N 16°14'46.2"W			
		28°28'10.2"N 16°14'43.2"W			
		28°28'11.4"N 16°14'42.8"W			
		28°28'11.0"N 16°14'41.5"W			
		28°28'14.6"N 16°14'40.3"W			
52061	2Ed. 3/2/96 LAST NM 45/02		48/02		
Add	Buoy Y, spar, "X" topmark, Fl(5)Y 15s				37°48'25"N 0°40'47"W
	Buoy Y, spar, "X" topmark, Fl(5)Y 15s				37°48'25"N 0°40'09"W
	Buoy Y, spar, "X" topmark, Fl(5)Y 15s				37°48'10"N 0°40'09"W
	Buoy Y, spar, "X" topmark, Fl(5)Y 15s				37°48'10"N 0°40'47"W
	"Marine farm" area bound by dashed line joining				37°48'25"N 0°40'47"W
					37°48'25"N 0°40'09"W
					37°48'10"N 0°40'09"W
					37°48'10"N 0°40'47"W
	(51(958)01 Cadiz)				
52082	3Ed. 9/16/00 LAST NM 46/02		48/02		
Add	Buoy Y, spar, "X" topmark, Fl(5)Y 15s				37°48'25"N 0°40'47"W
	Buoy Y, spar, "X" topmark, Fl(5)Y 15s				37°48'25"N 0°40'09"W
	Buoy Y, spar, "X" topmark, Fl(5)Y 15s				37°48'10"N 0°40'09"W
	Buoy Y, spar, "X" topmark, Fl(5)Y 15s				37°48'10"N 0°40'47"W
	"Marine farm" area bound by dashed line joining				37°48'25"N 0°40'47"W
					37°48'25"N 0°40'09"W
					37°48'10"N 0°40'09"W
					37°48'10"N 0°40'47"W
	(51(958)01 Cadiz)				
52140	6Ed. 3/30/96 LAST NM 46/01		48/02		
Substitute	Depth 11.6 meters for 13 meters				39°51.9'N 3°14.0'E
	(51(960)01 Cadiz)				
52141	5Ed. 5/25/96 LAST NM 46/01		48/02		
Substitute	Depth 11.6 meters for 13 meters				39°51'56"N 3°14'00"E
	(51(960)01 Cadiz)				
53031	1Ed. 5/2/92 LAST NM 39/02		48/02		
Substitute	Depth 11.6 meters for 13 meters Rk				39°51.9'N 3°14.0'E
	(51(960)01 Cadiz)				
53086	8Ed. 6/4/94 LAST NM 46/02		48/02		
Delete	Prohibited area and legend "ANCHORING AND DIVING PROHIBITED"	43°40'29.8"N 7°20'18.5"E			
	(43(18)99 Brest)				
53087	9Ed. 3/30/91 LAST NM 11/00		48/02		
Delete	Prohibited area and legend "ANCHORING AND DIVING PROHIBITED"	43°40'29.8"N 7°20'18.5"E			
Add	"ANCHORING AND DIVING PROHIBITED" area [N20] bound by purple composite-line circle, radius 200 meters, centered	43°40'26.4"N 7°20'16.2"E			
	(43(18)99 Brest)				
54320	4Ed. 10/5/91 LAST NM 20/02		48/02		
Change	Visibility (range) of light to 4M				37°40.3'N 23°56.3'E
	Light to L Fl 10s 6M				37°39.4'N 23°57.3'E
	(11(279)99 Athens; BA LL)				

SECTION I

NM 48/02

54340	8Ed. 7/27/91	LAST NM 19/02	48/02		
Change	Visibility (range) of light to 4M	37°40.3'N 23°56.3'E			
	Light to L Fl 10s 6M	37°39.4'N 23°57.5'E			
	(11(279)99 Athens; BA LL)				
54343	10Ed. 12/9/95	LAST NM 19/02	48/02		
Change	Light to Fl 3s 17m 4M	37°40'19"N 23°56'16"E			
	(11(279)99 Athens; BA LL)				
54344	6Ed. 3/23/96	LAST NM 19/02	48/02		
Change	Light to Fl 3s 17m 4M	37°40'14"N 23°56'26"E			
	Light to L Fl 10s 7m 6M	37°39'20"N 23°57'33"E			
	(11(279)99 Athens; BA LL)				
★54423	5Ed. 8/10/02	NEW EDITION	48/02		
Change	Visibility (range) of light to 14M	36°35'48"N 30°35'15"E			
	(NIMA; 39(201)01 Istanbul)				
55046	4Ed. 11/30/96	LAST NM 41/02	48/02		
Add	"ANCHORAGE AREA" bound by dashed line				
	joining	40°53'07"N 29°11'04"E			
		40°52'29"N 29°09'31"E			
		40°50'56"N 29°10'16"E			
		40°51'20"N 29°11'58"E			
		40°52'29"N 29°13'22"E			
	"ANCHORAGE AREA" bound by dashed line				
	joining	40°58'14"N 28°43'28"E			
		40°56'50"N 28°43'28"E			
		40°56'50"N 28°47'22"E			
		40°58'10"N 28°47'22"E			
	(6(27)02 Istanbul)				
55048	12Ed. 9/9/00	LAST NM 41/02	48/02		
	(Panel A)				
Delete	Dashed line and legend "North Limits of the Port of Istanbul" between	41°14'02.0"N 29°06'47.0"E			
		41°13'05.0"N 29°09'03.0"E			
	(6(26)02 Istanbul)				
55064	3Ed. 5/18/96	LAST NM 37/02	48/02		
Delete	Dashed line and legend "North Limits of the Port of Istanbul" between	41°14'00.0"N 29°06'57.0"E			
		41°13'06.0"N 29°09'02.0"E			
	(6(26)02 Istanbul)				
55103	2Ed. 4/6/96	LAST NM 29/02	48/02		
Add	Danger circle "Obstn" [K40]	44°36'35.2"N 33°24'01.0"E			
	(15(2113)98 St. Petersburg)				
55104	2Ed. 4/20/96	LAST NM 9/02	48/02		
Add	Danger circle "Obstn" [K40]	44°36'35"N 33°24'01"E			
	(15(2113)98 St. Petersburg)				
★56067	3Ed. 8/17/02	NEW EDITION	48/02		
	(Panel A)				
Add	Buoy "1" G, QG	31°50'05.8"N 34°38'07.6"E			
	Buoy "2" G, QG	31°50'12.8"N 34°38'05.5"E			
	Buoy "3" G, QG	31°50'19.9"N 34°38'05.2"E			
	Buoy "4" G, QG	31°50'26.9"N 34°38'06.6"E			
	Buoy "5" G, Fl 2s	31°50'30.2"N 34°38'12.5"E			
	Buoy "6" G, QG	31°50'26.1"N 34°38'17.5"E			
	Buoy "7" G, QG	31°50'19.1"N 34°38'15.5"E			
	Buoy "8" G, QG	31°50'12.2"N 34°38'16.1"E			
	Buoy "A" G, QG	31°50'00.5"N 34°38'10.9"E			
	Buoy "B" G, QG	31°50'05.9"N 34°38'17.0"E			
	Legend "Works in Progress (2002)"	31°50'17.0"N 34°38'11.0"E			
	(NIMA; NTM0033/2002)				
62540	6Ed. 1/26/02	LAST NM 45/02	48/02		
Delete	Stranded wreck "Rep (1991)" (PA)	29°49.0'N 48°22.0'E			
	Stranded wreck (PA)	29°42.0'N 48°22.0'E			
	Legend "Rep (2000)" from dangerous wreck (PA)	29°40.0'N 48°45.0'E			
	Legend "(PA)" from dangerous wreck	29°54.0'N 48°45.0'E			
	Depth 0.3 meter Wks	29°33.5'N 48°15.3'E			
	(BA CH 1235)				
62541	3Ed. 1/26/02	LAST NM N45/02	N48/02		
Delete	Stranded wreck "Rep (1991)" (PA)	29°49.0'N 48°22.0'E			
	Stranded wreck (PA)	29°42.0'N 48°22.0'E			
	Legend "Rep (2000)" from dangerous wreck (PA)	29°40.0'N 48°45.0'E			
	Legend "(PA)" from dangerous wreck	29°54.0'N 48°45.0'E			
	Depth 0.3 meter Wks	29°33.5'N 48°15.3'E			
Substitute	Dangerous wreck (PA) for stranded wreck "Rep (1991)" (PA)	29°51.0'N 48°23.0'E			
Add	Depth 4.6 meters Wk [K26]	29°39.3'N 48°30.3'E			
	Dangerous wreck [K28] (PA)	29°34.0'N 48°15.0'E			
	Foul ground symbol [K31]	29°33.7'N 48°15.4'E			
	"Temporary Anchorage" area bound by purple dashed line	29°39.3'N 48°54.3'E			
		29°37.2'N 48°55.8'E			
		29°36.7'N 48°54.8'E			
		29°38.7'N 48°53.3'E			
	(BA CH 1235)				
62570	4Ed. 1/26/02	LAST NM 45/02	48/02		
Delete	Depth 0.3 meter Wks	29°33'42"N 48°15'10"E			
	Stranded wreck "Rep (1991)" (PA)	29°49'00"N 48°22'00"E			
	Stranded wreck (PA)	29°42'00"N 48°22'00"E			
	Legend "Rep (2000)" from dangerous wreck (PA)	29°40'00"N 48°45'00"E			
	Legend "(PA)" from dangerous wreck	29°54'00"N 48°45'00"E			
Substitute	Dangerous wreck [K28] (PA) for stranded wreck "Rep (1991)" (PA)	29°50'59"N 48°23'00"E			
	Stranded wreck [K24] for dangerous wreck	29°34'56"N 48°31'10"E			
Add	Foul ground symbol [K31]	29°33'46"N 48°15'24"E			
	Dangerous wreck [K28] (PA)	29°34'00"N 48°15'00"E			
	Legend "Mast" to dangerous wreck	29°49'00"N 48°28'36"E			
	Depth 4.6 meters Wk [K26]	29°39'18"N 48°30'18"E			
	Buoy Y, conical, Fl Y 3s	29°39'30"N 48°50'15"E			
	"Temporary Anchorage" area bound by purple dashed line	29°39'18"N 48°54'18"E			
		29°37'12"N 48°55'48"E			
		29°36'40"N 48°54'47"E			
		29°38'44"N 48°53'15"E			
	(BA CH 1235)				
62590	2Ed. 5/29/99	LAST NM 46/02	48/02		
Delete	Stranded wreck "Rep (1991)" (PA)	29°49'00"N 48°22'02"E			
	Stranded wreck (PA)	29°42'00"N 48°22'00"E			
	Legend "Rep (2000)" from dangerous wreck (PA)	29°40'00"N 48°45'00"E			
	Legend "(PA)" from dangerous wreck	29°54'00"N 48°45'00"E			
	Buoy "No 1"	29°41'15"N 48°43'40"E			
	Designation "No 19" from buoy	29°55'22"N 48°17'50"E			
	Depth 0.3 meter Wks	29°33'45"N 48°15'18"E			
Substitute	Dangerous wreck (PA) for stranded wreck "Rep (1991)" (PA)	29°51'00"N 48°23'00"E			

(continued on next page)

62590 (Continued)
 Change Buoy "No 21" to (undesignated) G, conical, Fl
 29°57'49"N 48°15'10"E
 Add Beacon B, Fl 4s 2M 29°53'58"N 48°44'06"E
 Buoy "No 2" R, can, "X" topmark, Fl(4) R 20s
 29°41'22"N 48°43'59"E
 Buoy BW, can 29°56'36"N 48°16'36"E
 Designation "N23" to beacon 29°45'50"N 48°26'57"E
 Designation "N21" to beacon 29°47'32"N 48°25'38"E
 Depth 4.6 meters Wk [K26] 29°39'18"N 48°30'18"E
 Dangerous wreck [K28] (PA) 29°34'00"N 48°15'01"E
 Foul ground symbol [K31] 29°33'42"N 48°15'24"E
 Foul ground symbol [K31] 29°33'50"N 48°15'18"E
 (BA CH 1235)
62591 3Ed. 5/29/99 LAST NM N46/02 N48/02
 Delete Stranded wreck "Rep (1991)" (PA) 29°49'00"N 48°22'02"E
 Stranded wreck (PA) 29°42'00"N 48°22'00"E
 Legend "Rep (2000)" from dangerous wreck (PA) 29°40'00"N 48°45'00"E
 Legend "(PA)" from dangerous wreck 29°54'00"N 48°45'00"E
 Buoy "No 1" 29°41'15"N 48°43'40"E
 Designation "No 19" from buoy 29°55'22"N 48°17'50"E
 Depth 0.3 meter Wks 29°33'45"N 48°15'18"E
 Substitute Dangerous wreck (PA) for stranded wreck "Rep (1991)" (PA) 29°51'00"N 48°23'00"E
 Change Buoy "No 21" to (undesignated) G, conical, Fl 29°57'49"N 48°15'10"E
 Add Beacon B, Fl 4s 2M 29°53'58"N 48°44'06"E
 Buoy "No 2" R, can, "X" topmark, Fl(4) R 20s 29°41'22"N 48°44'03"E
 Buoy BW, can 29°56'36"N 48°16'36"E
 Designation "N23" to beacon 29°45'50"N 48°26'57"E
 Designation "N21" to beacon 29°47'32"N 48°25'38"E
 Depth 4.6 meters Wk [K26] 29°39'18"N 48°30'18"E
 Dangerous wreck [K28] (PA) 29°34'00"N 48°15'01"E
 Foul ground symbol [K31] 29°33'42"N 48°15'24"E
 Foul ground symbol [K31] 29°33'50"N 48°15'18"E
 (BA CH 1235)
63000 13Ed. 3/22/86 LAST NM 28/02 48/02
 Delete Legend "Mast" from dangerous wreck 20°59.8'N 72°03.8'E
 (20(399)02 Dehra Dun)
63080 5Ed. 6/19/93 LAST NM 31/02 48/02
 Delete Legend "Mast" from dangerous wreck 20°59.8'N 72°03.8'E
 (20(399)02 Dehra Dun)
63091 4Ed. 3/12/83 LAST NM 39/02 48/02
 Delete Legend "Mast" from dangerous wreck 20°59'48"N 72°03'48"E
 Add Buoy BYB, pillar, double cone topmark bases together, VQ(3) 5s 21°08'33"N 72°33'20"E
 (19(380), 20(399)02 Dehra Dun)
63111 9Ed. 4/13/96 LAST NM 25/02 48/02
 Delete Superbuoy ODAS 15°24.47'N 73°45.09'E
 Add Superbuoy ODAS [Q58] "SW3" Y, Fl 3s 15°24.60'N 73°45.25'E
 (Plan A)
 Delete Superbuoy ODAS 15°24'28.0"N 73°45'05.3"E
 Add Superbuoy ODAS [Q58] "SW3" Y, Fl 3s 15°24'36.0"N 73°45'15.0"E
 (20(400)02 Dehra Dun)

63120 2Ed. 9/19/81 LAST NM 44/02 48/02
 Relocate Superbuoy ODAS "SW4" from 12°56.2'N 74°43.0'E to and delete radar reflector 12°56.6'N 74°43.9'E
 (20(402)02 Dehra Dun)
63121 5Ed. 6/29/96 LAST NM 47/01 48/02
 Delete Superbuoy ODAS "SW4" 12°56'09"N 74°43'00"E
 Add Superbuoy ODAS [Q58] "SW4" Y, Q(5) 20s 12°56'38"N 74°43'52"E
 (Plan A)
 Delete Superbuoy ODAS "SW4" 12°56'09.0"N 74°43'00.0"E
 Add Superbuoy ODAS [Q58] "SW4" Y, Q(5) 20s 12°56'38.4"N 74°43'52.2"E
 (20(402)02 Dehra Dun)
71009 3Ed. 8/10/85 LAST NM 46/02 48/02
 Delete Light 1°43.1'N 98°43.2'E
 Add Light Fl(3) 17s 134ft 17M 1°44.0'N 98°42.0'E
 (52(433)99 Jakarta)
73012 5Ed. 5/10/97 LAST NM 42/02 48/02
 Add Light Fl 11M 1°40.6'N 125°03.5'E
 (47(398)99 Jakarta)
73014 10Ed. 4/5/80 LAST NM 31/00 48/02
 Delete Light 1°40.7'N 125°03.0'E
 Add Light Fl 11M 1°40.6'N 125°03.5'E
 (47(398)99 Jakarta)
74184 10Ed. 11/28/98 LAST NM 46/02 48/02
 Add (Plan A) Land tint to area bound by shore and solid line joining 26°41'07.5"S 153°07'52.1"E
 26°41'08.2"S 153°07'53.3"E
 26°41'07.8"S 153°07'53.0"E
 26°41'07.5"S 153°07'53.4"E
 26°41'07.1"S 153°07'53.9"E
 26°41'07.7"S 153°07'53.5"E
 26°41'06.9"S 153°07'55.5"E
 26°41'06.2"S 153°07'55.4"E
 26°41'04.5"S 153°07'58.2"E
 Double solid line with land tint (pier) between 26°41'05.0"S 153°07'59.4"E
 26°41'08.1"S 153°08'02.2"E
 Double solid line with land tint (pier) between 26°41'08.4"S 153°08'01.5"E
 26°41'07.8"S 153°08'02.2"E
 Double solid line with land tint (pier) between 26°41'06.9"S 153°07'55.5"E
 26°41'07.9"S 153°07'56.7"E
 Double solid line with land tint (pier) between 26°41'07.0"S 153°07'55.1"E
 26°41'07.8"S 153°07'55.8"E
 Double solid line with land tint (pier) between 26°41'07.5"S 153°07'53.4"E
 26°41'08.0"S 153°07'53.7"E
 (19(595)02 Wollongong)
74191 2Ed. 2/9/85 LAST NM 46/02 48/02
 Delete (Plan A) Beacon 24°45.83'S 152°23.03'E
 Beacon 24°45.88'S 152°22.98'E
 (See 13/98-74191)
 (18(564)02 Wollongong)
74290 11Ed. 9/6/97 LAST NM 46/02 48/02
 Add Dashed line (recommended track) [M4] between 10°24.2'S 142°37.8'E
 10°18.0'S 142°51.8'E
 (continued on next page)

SECTION I

NM 48/02

74290	(Continued)				
	Dashed line (recommended track) [M4] with legend "040°-220°" between	10°18.0'S 10°13.5'S	142°51.8'E 142°55.5'E		
	Dashed line (recommended track) [M4] between	10°13.5'S 10°12.3'S	142°55.5'E 142°56.3'E		
	(Aus CH 839)				
74293	7Ed. 7/26/97 LAST NM 45/02			48/02	
Add	Dashed line (recommended track) [M4] between	10°24'12"S 10°18'00"S	142°37'48"E 142°51'48"E		
	Dashed line (recommended track) [M4] with legend "040°-220°" between	10°18'00"S 10°13'30"S	142°51'48"E 142°55'30"E		
	Dashed line (recommended track) [M4] between	10°13'30"S 10°12'18"S	142°55'30"E 142°56'18"E		
	(Aus CH 839)				
74455	3Ed. 6/7/97 LAST NM 23/02			48/02	
Add	Dangerous submerged rock [K13] "Rep (2002)"	14°38.9'S	125°02.5'E		
	(18(568)02 Wollongong)				
74535	2Ed. 9/13/97 LAST NM 44/02			48/02	
Add	"Pearl Culture (see Note)" area bound by shore and purple dashed line joining	25°43.4'S 25°41.0'S 25°41.3'S 25°44.1'S	113°37.3'E 113°37.6'E 113°39.8'E 113°38.1'E		
	"Pearl Culture (see Note)" area bound by shore and purple dashed line joining	25°44.5'S 25°43.8'S 25°46.7'S 25°47.1'S	113°38.4'E 113°39.4'E 113°41.5'E 113°41.1'E		
	Note from Subsection I-2	25°25.0'S	114°09.0'E		
	(23(651)00 Wollongong)				
74555	3Ed. 8/30/97 LAST NM 44/02			48/02	
Add	Purple solid-line lesser arc of a circle, radius 14.7 miles, centered arc between	31°57.0'S 32°01.8'S 31°42.7'S	115°38.3'E 115°22.0'E 115°42.3'E		
	Legend "Inward Reporting (see Note No 3)" along above purple line between	31°50.3'S 31°43.0'S	115°23.8'E 115°38.0'E		
	Purple solid line between	32°01.8'S 32°01.8'S	115°22.0'E 115°26.8'E		
	Note No. 3 to NOTES "3. All vessels bound inward to Fremantle are to report to Port of Fremantle when crossing the reporting line. See Sailing Directions for details."	31°31.0'S	115°49.5'E		
	(19(603)02 Wollongong)				
74560	10Ed. 7/18/98 LAST NM 46/02			48/02	
	(Plan A)				
Add	"Under Reclamation (2002)" area bound by shore and dashed line joining	28°46'16.8"S 28°46'11.0"S 28°46'12.6"S 28°46'15.5"S 28°46'19.1"S	114°35'55.0"E 114°35'55.0"E 114°35'45.0"E 114°35'39.0"E 114°35'38.2"E		
	(19(602)02 Wollongong)				
74583	15Ed. 10/14/95 LAST NM 44/02			48/02	
Add	Purple solid-line lesser arc of a circle, radius 14.7 miles, centered arc between	31°57'00"S 32°01'24"S 31°47'56"S	115°38'15"E 115°22'00"E 115°24'37"E		
	Legend "Inward Reporting (see Note)" along above purple line between	31°54'48"S 31°51'06"S	115°21'24"E 115°22'36"E		
	Purple solid line between	32°01'24"S 32°01'24"S	115°22'00"E 115°26'54"E		
	Note from Subsection I-2	32°12'00"S	115°51'30"E		
	(19(603)02 Wollongong)				
75171	22Ed. 4/3/99 LAST NM 42/02			48/02	
Delete	Fishing stakes symbol	37°59'45"S	145°02'35"E		
Add	Danger circle [K40] "Marine farm"	37°59'42"S	145°02'55"E		
	(19(607)02 Wollongong)				
75177	7Ed. 6/20/98 LAST NM 38/02			48/02	
Delete	"Mussel Culture" area and buoys (2) centered	37°59'45.6"S	145°02'40.2"E		
Add	"Marine Farm (see Note)" bound by purple dashed line joining	37°59'42.0"S 37°59'42.6"S 37°59'51.6"S 37°59'52.2"S	145°02'45.6"E 145°02'55.2"E 145°02'44.4"E 145°02'51.0"E		
	Note from Subsection I-2	37°56'00.0"S	145°03'12.0"E		
	(19(607)02 Wollongong)				
75251	5Ed. 8/30/97 LAST NM 33/02			48/02	
Change	Legend "East Limit of Naval Waters" to "Naval Waters"	35°06'12"S	150°46'24"E		
	(18(563)02 Wollongong)				
75261	6Ed. 5/10/97 LAST NM 36/02			48/02	
Change	Legend "East Limit of Naval Waters" to "Naval Waters"	35°06'12"S	150°46'24"E		
	(18(563)02 Wollongong)				
82210	2Ed. 3/9/96 LAST NM 42/02			48/02	
Delete	Depth 84 meters	6°04.8'S	155°29.3'E		
Add	Depth 9.8 meters	6°04.9'S	155°29.6'E		
	(23(648)00 Wollongong)				
82242	1Ed. 5/25/91 LAST NM 35/02			48/02	
Delete	Depth 2.4 meters	6°13'37.0"S	155°39'52.0"E		
	Depth 2.1 meters	6°13'44.0"S	155°40'11.0"E		
	Depth 3.6 meters	6°13'04.0"S	155°40'10.0"E		
	Depth 6.2 meters	6°13'46.0"S	155°43'00.0"E		
	Depth 3 meters, blue tint and enclosing depth contour in vicinity	6°13'13.0"S	155°42'21.0"E		
Add	Depth 2 meters, blue tint and enclosing depth contour (5-meter) centered	6°10'05.0"S	155°37'19.5"E		
	Depth 1.8 meters, blue tint and enclosing depth contour (2-meter) centered	6°13'38.5"S	155°39'55.0"E		
	Depth 1.4 meters, blue tint and enclosing depth contour (2-meter) centered	6°13'43.5"S	155°40'14.0"E		
	Depth 3.4 meters, blue tint and enclosing depth contour (5-meter) centered	6°13'03.0"S	155°40'10.5"E		
	Depth 1.3 meters, blue tint and enclosing depth contour (2-meter) centered	6°13'05.0"S	155°42'26.0"E		
	Depth 3.5 meters, blue tint and enclosing depth contour (5-meter) centered	6°13'45.5"S	155°43'05.0"E		
	(23(648)00 Wollongong)				
82244	5Ed. 7/26/97 LAST NM 42/02			48/02	
Delete	Depth 7.6 meters, blue tint and enclosing depth contour in vicinity	6°09'00"S	155°31'00"E		
	Depth 84 meters	6°04'48"S	155°29'18"E		
	Depth 53 meters	6°08'18"S	155°30'00"E		

(continued on next page)

82244 (Continued)
 Substitute Depth 4.2 meters for 5.8 meters 6°17'38"S 155°02'47"E
 Depth 2 meters for 3.3 meters 6°10'06"S 155°37'24"E
 Depth 1.4 meters for 2.1 meters 6°13'42"S 155°40'18"E
 Depth 1.3 meters for 3 meters 6°13'12"S 155°42'30"E
 Depth 3.5 meters for 6.1 meters 6°13'48"S 155°43'12"E

 Add Depth 9.8 meters, blue tint and enclosing
 depth contour (10-meter) centered 6°04'54"S 155°29'37"E
 Depth 14.6 meters, blue tint and enclosing
 depth contour (20-meter) centered 6°06'53"S 155°30'17"E
 Depth 4.7 meters, blue tint and enclosing
 depth contour (5-meter) centered 6°08'44"S 155°30'38"E

 Depth 28.4 meters 6°08'11"S 155°30'10"E
 (23(648, 649)00 Wollongong)

82253 7Ed. 10/4/97 LAST NM 35/02 48/02
 Delete Depth 84 meters 6°04.3'S 155°29.3'E
 Depth 53 meters 6°07.8'S 155°30.0'E

 Substitute Depth 4.7 meters for 7.6 meters 6°08.4'S 155°30.6'E
 Depth 2 meters for 3.4 meters 6°09.3'S 155°37.3'E
 Depth 1.4 meters for 2.1 meters 6°13.1'S 155°40.1'E
 Depth 1.3 meters for 3 meters 6°12.8'S 155°42.4'E
 Depth 3.5 meters for 6.1 meters 6°13.2'S 155°43.1'E

 Add Depth 9.8 meters, blue tint and enclosing
 depth contour (10-meter) centered 6°04.5'S 155°29.7'E
 Depth 14.6 meters, blue tint and enclosing
 depth contour (20-meter) centered 6°06.8'S 155°30.3'E

 Depth 28.4 meters 6°08.0'S 155°30.2'E
 (23(648)00 Wollongong)

91008 1Ed. 7/18/92 LAST NM 44/02 48/02
 Add Wreck [K29] 23°26.3'N 122°12.0'E
 (62/02 Tso-ying)

91010 6Ed. 9/2/95 LAST NM 29/02 48/02
 Add Wreck [K29] 23°26.3'N 122°12.0'E
 (62/02 Tso-ying)

93726 4Ed. 4/20/96 LAST NM 26/02 48/02
 Substitute Beacon for light 22°47'44.0"N 113°36'43.0"E
 (BA LL; BA CH 344)

94080 7Ed. 9/23/95 LAST NM 44/02 48/02
 Add Wreck [K29] 23°26.3'N 122°12.0'E
 (62/02 Tso-ying)

94120 6Ed. 9/9/95 LAST NM 38/02 48/02
 Add Wreck [K29] 23°26.3'N 122°12.0'E
 (62/02 Tso-ying)

95060 13Ed. 8/5/95 LAST NM 47/02 48/02
 Add Buoy R, pillar, cone topmark, Fl(2) R 6s 37°25.7'N 126°12.0'E
 Buoy G, pillar, can topmark, Fl(2) G 6s 37°33.6'N 126°11.1'E
 (40(413, 414)99 Inchon)

95065 5Ed. 4/16/94 LAST NM 14/02 48/02
 Add Beacon R, cone topmark, Fl(2) R 6s 15m 5M 37°13'49"N 126°10'15"E
 Buoy R, pillar, cone topmark, Fl(2) R 6s 37°25'40"N 126°11'59"E
 Buoy G, pillar, can topmark, Fl(2) G 6s 37°33'37"N 126°11'05"E
 (40(413, 414)99, 29(395)02 Inchon)

95066 11Ed. 11/21/98 LAST NM 47/02 48/02
 Add Beacon R, cone topmark, Fl(2) R 6s 15m 5M 37°13'49"N 126°10'15"E
 Buoy R, pillar, cone topmark, Fl(2) R 6s 37°25'40"N 126°11'59"E
 (40(413)99, 29(395)02 Inchon)

95087 3Ed. 4/30/94 LAST NM 40/02 48/02
 Delete Dangerous wreck "Rep (2002)" (PA) 35°59'41.0"N 126°42'38.0"E
 (Supersedes 40/02-95087)
 (42(585)02 Inchon)

95102 8Ed. 8/12/95 LAST NM 47/02 48/02
 Change Light to Fl(2) G 6s 12m 5M 34°31'42"N 127°07'24"E
 Light to Fl(2) R 6s 11m 5M 34°31'36"N 127°07'18"E
 (41(423)99 Inchon)

95138 8Ed. 2/5/94 LAST NM 46/02 48/02
 Delete Buoy "22" 34°52'53.0"N 127°45'33.7"E

 Add Beacon R, cone topmark, Fl(2) R 6s 18m 6M 34°52'56.5"N 127°45'33.5"E
 (ROK CH 242; 41(421, 422)99 Inchon)

95140 15Ed. 10/7/95 LAST NM 44/02 48/02
 Change Height of light to 105m 34°59'23"N 128°49'44"E
 (28(377)02 Inchon)

95143 11Ed. 5/15/99 LAST NM 47/02 48/02
 Add Beacon R, cone topmark, Fl(2) R 6s 18m 6M 34°52'56"N 127°45'34"E

 "Marine farm" area bound by dashed line
 joining 34°30'52"N 127°47'16"E
 34°31'01"N 127°47'39"E
 34°30'52"N 127°47'44"E
 34°30'44"N 127°47'21"E
 (ROK CH 242; 41(422)99, 29(164)02 Inchon)

95144 9Ed. 5/15/99 LAST NM 46/02 48/02
 Change Height of light to 105m 34°59'23"N 128°49'44"E

 Add Solid line (breakwater) [F4.1] between 34°51'20"N 128°22'57"E
 34°51'25"N 128°23'00"E

 Light Fl R 6s 11m 5M 34°51'25"N 128°23'00"E
 Light Fl G 4s 11m 5M 34°56'26"N 128°25'34"E
 (28(377), 40(554-556)02 Inchon)

95146 14Ed. 5/14/94 LAST NM 47/02 48/02
 Change Visibility (range) of light to 10M 35°08'15"N 128°35'59"E
 Height of light to 105m 34°59'23"N 128°49'44"E

 Add Solid line (breakwater) [F4.1] between 34°56'22"N 128°25'32"E
 34°56'26"N 128°25'34"E

 Light Fl G 4s 11m 5M 34°56'26"N 128°25'34"E
 Depth 19.2 meters Wk [K26] 35°02'34"N 128°39'13"E
 (28(377, 379, 380), 40(556)02 Inchon)

95147 13Ed. 5/14/94 LAST NM 47/02 48/02
 Change Visibility (range) of light to 10M 35°08'15.0"N 128°35'59.9"E
 Visibility (range) of light to 8M 35°12'04.0"N 128°34'43.0"E

 Add Depth 19.2 meters Wk [K26] 35°02'34.1"N 128°39'13.1"E
 (28(379, 380)02 Inchon)

95149 9Ed. 6/12/99 LAST NM 43/02 48/02
 Change Height of light to 105m 34°59'23"N 128°49'44"E
 (28(377)02 Inchon)

95161 16Ed. 9/8/01 LAST NM 45/02 48/02
 Add "Dredged to 12.5m (2002)" area [I20] bound
 by dashed line joining 35°26'54.1"N 129°22'05.0"E
 35°26'53.5"N 129°22'06.0"E
 35°26'49.4"N 129°22'03.7"E
 35°26'50.1"N 129°22'01.6"E

 Depth 12.3 meters rky 35°26'59.6"N 129°21'55.2"E
 (28(376)02 Inchon)

SECTION I

NM 48/02

95164	4Ed. 4/9/94	LAST NM 43/02	48/02		
Add	"Marine farm" area bound by dashed line joining		35°47'48.1"N 129°30'33.4"E 35°47'45.4"N 129°30'38.4"E 35°47'40.0"N 129°30'34.1"E 35°47'42.7"N 129°30'29.1"E		
	(29(163)02 Inchon)				
95261	7Ed. 8/17/96	LAST NM 8/01	48/02		
Delete	Superbuoy (Jpn CH W1155A)		37°58'54"N 139°05'56"E		
95264	8Ed. 7/16/94	LAST NM 6/02	48/02		
Delete	Superbuoy		37°58'54.7"N 139°05'51.2"E		
	Purple dashed line and legend "Swinging Area of Floating Hose" in vicinity		37°58'50.0"N 139°05'52.0"E		
	Submarine pipeline and legend "Oil" in vicinity		37°58'06.0"N 139°05'34.8"E		
	Legend "CAUTION NO 2"		37°57'55.0"N 139°05'32.0"E		
Change	Caution No. 2 of CAUTIONS note to "2. Reserved."		37°55'56.0"N 139°05'52.0"E		
	(42(1424)02 Tokyo; Jpn CH W1155A)				
95268	16Ed. 3/28/98	LAST NM 39/02	48/02		
	(Plan A)				
Delete	Tower symbol and legend "(Y Lt)"		36°49'15.0"N 137°04'29.0"E		
	(43(1782)98 Tokyo)				
95270	4Ed. 11/9/91	LAST NM 8/02	48/02		
Change	Visibility (range) of light to 3M		37°59.4'N 138°14.2'E		
	(42(1423)02 Tokyo)				
95271	4Ed. 2/7/98	LAST NM 44/02	48/02		
Delete	Position circle "Tr (Y Lt)"		36°49'15.0"N 137°04'29.0"E		
	(43(1782)98 Tokyo)				
95273	2Ed. 4/23/94	LAST NM 34/01	48/02		
Delete	Superbuoy, enclosing purple dashed line circle and legend "Swinging Area of Floating Hose Syowa Shell Sekiyu Sea-Berth"		37°58'54.7"N 139°05'50.0"E		
	Submarine pipeline and legend "Oil SEE CAUTION" in vicinity		37°57'58.0"N 139°05'32.0"E		
	(42(1424)02 Tokyo; Jpn CH W1155A)				
95274	3Ed. 5/18/91	LAST NM 34/01	48/02		
Delete	Superbuoy, submarine pipeline and legend "Oil" in vicinity		37°58'24"N 139°05'50"E		
Change	Visibility (range) of light to 3M		37°59'24"N 138°14'12"E		
	(42(1423, 1424)02 Tokyo; Jpn CH W1155A)				
95280	9Ed. 7/28/84	LAST NM 17/02	48/02		
Change	Light to Fl(2) G 6s 10m 4M		35°53'59"N 136°00'00"E		
	(42(1422)02 Tokyo)				
95300	5Ed. 8/3/91	LAST NM 45/02	48/02		
Change	Light to Fl 5s 46m 7M		36°12'36"N 133°11'15"E		
	(42(1421)02 Tokyo)				
96763	7Ed. 8/22/98	LAST NM 43/02	48/02		
Delete	Double dashed line and legend "Under constr" in vicinity		42°59'21.0"N 144°18'47.9"E		
	Light		42°59'22.2"N 144°18'51.5"E		
	Position circle "R Lt"		42°59'21.0"N 144°18'48.5"E		
Add	Double solid line with land tint (breakwater extension) [F4.1] between		42°59'21.0"N 144°18'48.5"E 42°59'19.1"N 144°18'42.0"E		
	Light Fl R 3s 15m 9M (Jpn CH W31)		42°59'19.1"N 144°18'42.0"E		
97155	14Ed. 12/27/97	LAST NM 40/02	48/02		
Add	Land tint to area bound by shore and solid line [F13] joining		35°38'35.9"N 139°47'12.1"E 35°38'35.1"N 139°47'12.8"E 35°38'33.5"N 139°47'09.8"E 35°38'34.3"N 139°47'09.1"E		
	(42(1425)02 Tokyo)				
97180	6Ed. 7/19/97	LAST NM 46/02	48/02		
Delete	Submarine cables (3) in vicinity		34°31'36"N 136°55'49"E		
	(43(1783)98 Tokyo)				
97181	20Ed. 3/26/94	LAST NM 46/02	48/02		
Delete	Submarine cable in vicinity		34°31'48"N 136°55'49"E		
	Submarine cable in vicinity		34°31'36"N 136°55'49"E		
	Submarine cable in vicinity		34°31'21"N 136°55'49"E		
	(43(1783)98 Tokyo)				
97182	13Ed. 1/1/94	LAST NM 46/02	48/02		
Delete	Submarine cable in vicinity		34°31'48.0"N 136°55'49.0"E		
	Submarine cable in vicinity		34°31'36.0"N 136°55'49.0"E		
	Submarine cable in vicinity		34°31'21.0"N 136°55'49.0"E		
	(43(1783)98 Tokyo)				
97187	3Ed. 2/14/98	LAST NM 44/02	48/02		
Delete	Buoy "3"		34°57'20.0"N 136°39'02.0"E		
	Buoy "2"		34°57'12.0"N 136°39'05.0"E		
	Buoy "1"		34°57'03.2"N 136°39'08.0"E		
Add	Depth 11.4 meters		34°57'02.7"N 136°39'09.7"E		
	(42(1733)98 Tokyo)				
97223	3Ed. 11/7/98	LAST NM 44/02	48/02		
Substitute	Beacon RW, ball topmark, Mo(A) 8s 4m 3M for buoy		34°25'44.0"N 135°19'27.0"E		
	(41(1700)98 Tokyo)				
97243	8Ed. 3/7/98	LAST NM 33/02	48/02		
Add	Chartlet, depicting changes in hydrography and topography, from Subsection I-2		34°16'40.0"N 133°11'09.0"E		
	"PROHIB AREA" [N2.2] bound by shore and purple composite line joining		34°23'00.6"N 133°05'23.4"E 34°23'05.9"N 133°05'27.9"E 34°22'47.4"N 133°05'55.0"E 34°22'34.4"N 133°05'49.8"E 34°22'32.9"N 133°05'31.6"E 34°22'49.2"N 133°05'30.9"E 34°22'53.9"N 133°05'23.2"E		
	"PROHIB AREA" [N2.2] bound by shore and purple composite line joining		34°22'58.1"N 133°07'10.4"E 34°22'55.2"N 133°07'13.2"E 34°22'47.6"N 133°07'08.6"E 34°22'46.1"N 133°07'04.4"E 34°22'49.7"N 133°06'44.1"E 34°22'54.4"N 133°06'35.2"E 34°23'00.6"N 133°06'38.5"E 34°23'04.9"N 133°06'42.3"E 34°23'03.1"N 133°06'44.5"E 34°23'07.3"N 133°06'50.5"E		
	(42(1741)98 Tokyo; Jpn CH W103)				
97303	3Ed. 2/14/98	LAST NM 47/02	48/02		
Delete	Depth 1 meter		33°30'44.5"N 133°34'52.0"E		
	Depth 4 meters		33°30'43.7"N 133°34'51.9"E		
	Depth 5.2 meters		33°30'42.9"N 133°34'52.9"E		
	Depth 6.8 meters		33°30'41.3"N 133°34'53.3"E		
	Depth 7.9 meters		33°30'39.7"N 133°34'54.0"E		
	Depth 7.8 meters		33°30'38.0"N 133°34'54.8"E		
	Depth 4.6 meters		33°30'34.9"N 133°34'49.8"E		
	Buoy		33°30'31.2"N 133°34'43.9"E		
	Buoy		33°30'36.0"N 133°34'57.0"E		
	Double solid line and land tint between		33°30'44.5"N 133°34'55.3"E 33°30'46.5"N 133°35'03.0"E		
	(See 47/02-97303)				

(continued on next page)

97303 (Continued)

Add Land tint to area bound by shore, existing dashed line and solid line joining
 33°30'46.4"N 133°34'52.5"E
 33°30'44.2"N 133°34'53.5"E
 33°30'46.8"N 133°35'02.7"E

Solid line between 33°30'46.8"N 133°35'02.7"E
 33°30'46.3"N 133°35'02.8"E

"Being reclaimed" area [F31] joining
 33°30'44.2"N 133°34'53.5"E
 33°30'42.2"N 133°34'50.4"E
 33°30'38.4"N 133°34'50.4"E
 33°30'29.5"N 133°34'45.9"E
 33°30'35.5"N 133°34'33.6"E

and delete blue tint, depths and bottom characteristics within the above area

Buoy Y, conical, (Y Lt) 33°30'42.2"N 133°34'50.4"E
 Buoy Y, conical, (Y Lt) 33°30'38.4"N 133°34'50.4"E
 Buoy Y, pillar, (Y Lt) 33°30'29.5"N 133°34'45.9"E
 Depth 8.8 meters 33°30'42.2"N 133°34'52.2"E
 Depth 8.6 meters 33°30'42.0"N 133°34'54.8"E
 Depth 8.7 meters 33°30'40.2"N 133°34'52.4"E
 Depth 8.5 meters 33°30'40.2"N 133°34'55.0"E
 Depth 8.8 meters 33°30'38.0"N 133°34'52.2"E
 Depth 8.6 meters 33°30'37.8"N 133°34'54.0"E
 Depth 8.6 meters 33°30'35.7"N 133°34'50.0"E
 Depth 8.4 meters 33°30'35.9"N 133°34'53.0"E

(41(1393)02 Tokyo)

97483 7Ed. 6/14/97 LAST NM 39/01 48/02

Delete Beacon "2" 24°15'57"N 124°01'21"E
 Beacon "4" 24°15'26"N 124°00'06"E

Add Beacon "1" G, can topmark, Fl(2) G 6s 2M 24°16'07"N 124°00'12"E
 Beacon "4" R, cone topmark, Fl R 3s 2M 24°15'39"N 123°59'55"E

(42(1746), 43(1787)98 Tokyo)

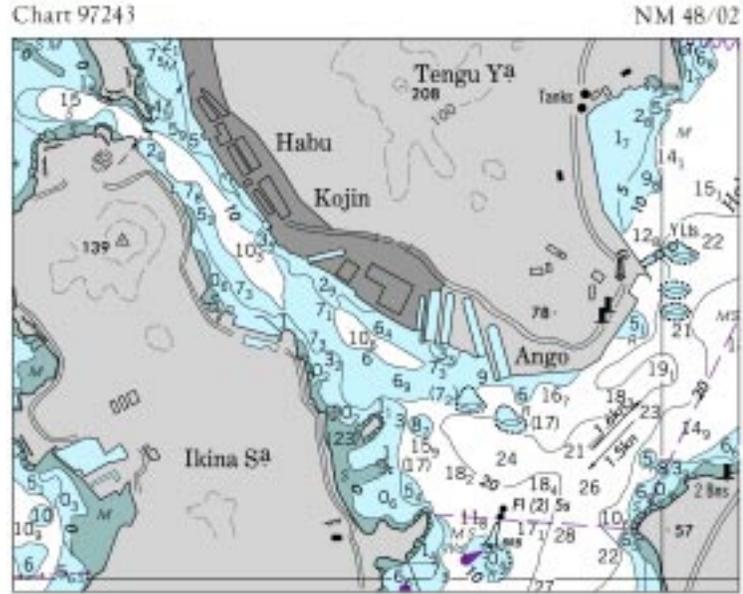


Chart 74535

NM 48/02

PEARL CULTURE

Pearl farms, which may be floating or fixed structures, and their associated moorings should be avoided. The farms are generally marked by buoys and beacons, which may be lit.

Chart 74583

NM 48/02

INWARDS REPORTING

All vessels bound inwards to Fremantle are to report to Port of Fremantle when crossing the reporting line. See Sailing Directions for details.

Chart 75177

NM 48/02

MARINE FARMS

Marine farms, which may be floating or fixed structures, and their associated moorings should be avoided. The farms are generally marked by buoys or beacons, which may be lit.

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 48/02

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.
12301	21	N20*,N28,N29,N37,N39,N42,N45/02	13263	7	N2,N8,N11,N20,N21,N25,N27,N36,N43,N48/02	14786	13	5*,24/02	16061	8	19*,27,37/02
12304	42	28*,42/02				14800	9	19,23/02	16206	7	2/02
12311	41	2,4,15,18,28,31,42/02	13264	103	5,21,36/02	14804	24	20/02*	16220	5	6/02
12312	51	4,5,8,9,18,21,27,31,33,42,43/02	13267	30	6*,12,17,19,27/02	14810	4	19/02	16363	12	38/02*
12313	48	5,9,14,18,21,27,31,33,43/02	13270	59	2,3,5,9,17,19,33,34,40,43/02	14812	3	19/02	16380	13	13,17/02
12314	30	46/02*				14813	20	24/02	16382	10	13,17/02
12316	28	11,26,27,37,39,42,45,46/02	13272	47	3,11,19,28,40/02	14820	18	31*,35,38,39/02	16435	5	27/02
12317	31	15*,26,37/02	13274	24	3,5,17,19,27,45/02	14823	29	45/02	16440	13	37/02
12318	40	19,39,45/02	13275	27	2,5,17,19,27,45/02	14824	25	24/02	16441	7	37/02
12323	23	19,40/02	13276	21	19,27/02	14826	26	21/02	16442	6	3,37/02
12324	29	18/02	13283	18	11/02	14829	5	21/02	16480	10	38/02
12326	48	12,17,18,27,28/02	13285	10	11/02	14830	29	18,23,39/02	16521	5	27/02
12327	95	19*,20,21,22,28,30,33,35,37,38,43,45,47/02	13286	29	39*,40/02	14832	33	7,20,24,26/02	16531	7	18/02*
12331	29	4,15,22,43/02	13288	40	2,9,11,15*,20,23,29,36,43/02	14833	25	7,20,26/02	16566	10	17/02
12332	21	15,22,43,46/02	13290	34	2,10,20,36,40,43/02	14835	31	39/02	16568	12	39/02*
12333	32	46*,47/02	13292	36	20*,36,40/02	14836	27	42/02*	16575	1	39/02
12334	64	3,22,27,30,33,45/02	13293	33	26*,29,43/02	14837	27	26/02*	16576	3	42/02
12335	39	6/02*	13296	10	43/02	14838	2	35,37,38,45/02	16580	11	39/02
12337	22	8,15,20,28,31,45/02	13301	20	9,25,33/02	14839	35	7,21,24,37/02	16590	10	38/02*
12339	43	5/02	13302	21	3*,8,9,20,25,41/02	14842	12	4,18,23,39/02	16596	12	39/02*
12341	25	22/02*	13303	12	48/02*	14843	22	23,39/02	16597	8	16,43/02
12343	18	37/02*	13305	28	8,25,40,41/02	14844	31	4,18/02	16598	9	43/02
12345	10	42/02*	13308	11	14,40/02	14845	26	4,18/02	16599	6	16,43/02
12347	29	25/02	13309	28	42/02*	14846	11	18,23,24,39,40/02	16603	7	42/02
12348	33	25/02	13312	20	5,21,36/02	14847	30	24,40/02	16604	11	22/02*
12350	57	39/02*	13313	19	21,25,41/02	14848	56	9*,23,24,31/02	16606	11	37/02*
12352	29	9*,12,34/02	13315	11	19/02*	14850	51	21*,23/02	16645	18	13/02*
12354	39	9*,12,14,22,28,33,37,45/02	13318	18	38*,41/02	14852	44	9*,20,23,25,26,37/02	16646	12	5/02*
12358	19	46/02*	13322	9	19/02*	14853	13	21*,23,24,25,26,31,37/02	16660	28	7,13,22,25,29,42/02
12363	39	2,3,14,18,28,44/02	13324	13	5,41/02	14854	13	24/02	16662	6	3,22,29/02
12364	33	20*,22,28,44,47/02	13325	14	5/02	14860	35	8*,21,24/02	16663	6	3,7,13,22,25,29,42/02
12365	26	2,18/02	13326	12	41,43/02	14862	28	26/02*	16665	7	7,13,22,25,29,42/02
12366	27	3,14/02	13394	3	39/02*	14863	30	5*,10,24/02	16680	10	6/02
12367	23	18/02	13396	4	13/02*	14864	26	24,37/02	16681	10	37/02*
12368	26	42/02*	13398	3	19*,36/02	14867	25	6,32/02	16682	14	6/02
12369	25	31*,44/02	14002	57	21/02	14869	26	9/02*	16700	27	21/02*
12370	18	39/02*	14003	6	11,12,13,16,25,48/02	14871	2	21/02	16701	18	21/02*
12371	22	28,47/02	14008	76	21/02	14872	3	21/02	16702	10	8,38/02
12372	31	45*,47,48/02	14010	5	21,35/02	14873	2	35/02	16705	19	5/02*
12375	21	22/02	14018	6	16/02	14880	30	33/02	16707	10	34,37/02
12377	14	22,25,37/02	14024	5	33,36,39/02	14881	31	28*,33/02	16708	25	37/02
12401	7	31*,47/02	14040	65	40/02	14883	42	6,17,23/02	16709	22	15/02*
12402	8	31*,33,47/02	14083	30	33/02	14886	10	8/02	16711	2	15/02*
13000		N8,N11,N12,N13,N21,N25,N48/02	14087	58	33/02	14901	13	17,24,31/02	16713	2	13/02*
13003	45	2,8,11,12,13,19,21,23,25,36,37,42,48/02	14088	10	41/02*	14902	28	24,25,31/02	16741	9	46/02
13006	30	39*,44,48/02	14089	29	41/02*	14903	22	8,23,32/02	16762	9	26/02*
13009	30	42*,48/02	14090	2	33/02	14904	25	5,17,31,32,46/02	17003	4	8,9,47/02
13200	33	13*,25,37,48/02	14091	6	41/02*	14905	29	31,35,37/02	17005	10	8,9,11,41,45,47/02
13201	10	N13,N25,N37,N48/02	14092	2	33/02	14907	25	2*,13,17/02	17008	12	8,13,43/02
13203	12	37/02	14096	21	19/02	14908	17	13/02	17300	29	46/02
13204	12	13/02	14144	29	21/02	14910	22	25,31/02	17302	18	21/02*
13205	36	9,12,37,42,45,48/02	14151	2	37/02	14916	10	45/02*	17303	9	15,37/02
13209	23	14,37/02	14180	38	21/02	14917	23	17/02	17316	20	28/02*
13211	13	9,21,23,47/02	14185	2	3/02	14918	26	25/02	17320	15	15/02
13212	34	9,12,21,23,45,47,48/02	14203	12	19/02	14919	27	10,24/02	17330	7	15/02
13213	39	8,45/02	14204	21	19/02	14922	19	26/02*	17360	32	44/02
13214	27	34*,45,48/02	14206	20	19/02	14924	27	28*,32/02	17372	10	2/02
13215	17	9,14,45,48/02	14208	28	40/02	14926	9	18,31,32,35,37/02	17379	1	15*,20/02
13216	1	N12,N48/02	14221	26	40,46/02	14927	24	21*,31,32,35,37/02	17381	10	13/02*
13217	14	14/02	14222	16	46/02	14928	20	31,37/02	17382	14	44/02
13218	38	11,29,42,45/02	14225	17	38/02	14929	23	18,31,32/02	17383	1	31/02*
13219	12	14/02	14226	32	40/02	14930	24	45/02	17384	7	44/02
13221	53	2,4,15,29,44/02	14227	28	40/02	14931	24	35/02*	17385	13	44,48/02
13223	36	2*,15/02	14228	11	40/02	14932	22	32/02	17400	16	14,15,36/02
13224	36	7*,44/02	14240	6	16,34/02	14933	24	35*,37/02	17402	10	46/02*
13226	5	2,4,5,44/02	14242	13	34/02	14934	26	4,6/02	17409	10	39/02*
13227	13	2,4,5/02	14243	8	19,34/02	14935	21	17/02	17412	2	12/02
13229	27	11,17,39,42,45/02	14244	5	19/02	14937	23	13,17/02	17413	2	13,14,43/02
13230	45	11,39,42,45/02	14260	47	35/02	14942	25	35/02	17414	3	41/02
13232	4	11,39,42/02	14280	37	35/02	14967	22	10/02	17416	3	13/02
13233	16	17/02	14340	25	16,17,26,33,37,40/02	14970	25	6,40,46/02	17420	26	14,36,37,42,43/02
13235	5	17/02	14344	2	37,40/02	14972	25	21/02	17421	1	14/02
13236	29	45/02	14345	5	37,40/02	14974	24	32/02	17425	6	18/02*
13237	38	2,4,17,42,48/02	14349	7	16/02	14975	32	21,24/02	17426	13	37/02
13241	15	21*,34,42/02	14358		N17,N36/02	14984	9	18/02*	17427	7	11,12,14,16/02
13244	39	22*,48/02	14360	36	16,26,33,36/02	15562		N41/02	17429	2	N38/02*
13246	36	11,26,27/02	14386	3	36/02	15744		N30/02	17434	11	11/02
13253	17	20,26/02	14415	4	33/02	15880		N41/02	17437	8	14,16/02
13260	38	28*,36,43,48/02	14769		N31/02*	15926		N9/02	17438	12	10,12,14,16/02
			14772	17	15/02	15954		N47/02*	17443	12	8,10/02
			14773	16	15,19/02	16003	16	18/02*	17444	4	10,12/02
			14775		N31/02*	16004	11	9/02	17445	2	12,16/02
			14776		N31/02*	16011	35	5,38/02	17460		N12/02
			14777		N31/02*	16012	21	38/02	17471		N15/02
			14782	24	21,22/02	16013	28	17,22,29/02	17480	4	8,15,43/02
			14785	16	22/02	16041	8	13/02*	17485	4	16/02
						16042	7	39/02*	17489	19	8,43/02

**CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 48/02**

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.
17491	3	8/02	18484	10	28,40/02	19004	36	23,25,35,37/02	22160	2	4,30,34,39,41,48/02
17495	2	8,43/02	18485	14	15,28,40,P44,48/02	19010	17	45/02*	22170	3	13*,30,39/02
17503	4	11,43/02	18500	28	19*,22,32,39/02	19013	16	25/02	22172	8	48/02*
17506		N8/02	18502	84	30*,32,39,42/02	19320	16	23,27,35,37/02	22173	36	48/02*
17513		N8,N11,N42,N43/02	18504	64	18/02	19324	22	27,35/02	22180	2	30,34/02
17515	7	8,11,12/02	18520	24	10,33,39/02	19327	10	23/02	22181	16	17,27,39,41/02
17517	8	4/02	18521	69	34*,39/02	19330	9	6/02*	22182	6	7,8,30,34/02
17518	7	6,P44,48/02	18523	53	3,7,10,12,15,25,26,33/02	19339	1	N25,N35/02	22183	3	20/02
17519	13	4/02	18524	33	18*,26,28,31,33/02	19340	26	25,35/02	22190	2	30/02
17520	2	N4/02	18525	33	4,7,11,14,15,28,31,33/02	19341	9	7/02*	22205	2	14,16/02
17521		N8/02	18526	55	4,7,11,14,15,16,28,31,33/02	19347	17	25/02	22221	20	20/02
17525		N8/02	18527	21	16,31/02	19350	11	27/02	22250	2	42/02
17528		N8,N43/02	18528	9	31/02	19351	9	25/02	22259	4	20/02
17541	3	8,43/02	18531	20	7*,11,26,31,34/02	19357	22	42/02*	22264	2	20,42/02
17542	6	47/02	18532	20	7/02*	19358	20	28/02*	22275	3	20,42/02
17543	17	9,11,13,41/02	18541	8	21/02*	19360	1	N37/02	22282	17	19/02
17545	13	9,43,47/02	18558	37	19*,39/02	19366	36	13*,31/02	22283	3	N19/02
17546	22	9,13,42,43,47/02	18561	11	10,33,39/02	19367	37	22,31/02	22290	4	20/02
17549	6	13,47/02	18580	21	10,26,33,38,39/02	19369	5	22,31/02	22293	15	20/02
17550	4	15,42,43,P44,45,47,48/02	18581	16	4,33,39,42/02	19379	1	N25/02	22313	2	44/02
18000	8	8,45/02	18583	38	4,7,31,33,42/02	19380	14	25/02	22314	1	44/02
18002	6	N8,N45/02	18584	47	7,30,39/02	19381	8	25/02	22341	9	19,43/02
18003	18	10,26,33,38,39,40,P44,45,47,48/02	18587	68	7,11,14,25,30,33,39,42/02	19385	7	20/02*	22342	9	19/02
18005	4	N6,N8,N20,N34/02	18588	36	32,33/02	19387	9	N25/02	22343	1	N19,N43/02
18007	31	6,10,14,20,26,33,34,37,38,39,40,47/02	18600	14	15*,33,37,38,40/02	21005	5	45/02	22344	5	N42/02
18008	7	N6,N10,N14,N20,N26,N33,N34,N37,N38,N39,N40,N47/02	18601	13	6/02	21008	62	39,42,43/02	22345	11	42/02
18009	2	N34/02	18602	11	26,32,33/02	21014	72	42/02	22347	5	N19/02
18010	20	6,33,34,37,38,39,40/02	18603	15	37,40/02	21017	50	23,41/02	22351	1	N43/02
18020	36	6,8,20,34,37,45/02	18620	23	35/02*	21020	42	23,41/02	22361	2	N7/02
18022	33	13*,23,34,37,45/02	18622	52	26,28/02	21021	3	45/02	22371	5	7/02
18023	33	13*,23,34,37,45/02	18623	11	34/02	21023	41	5,34/02	22375		N19/02
18400	42	4,6,10,11,15,P44,48/02	18626	15	37/02	21026	47	5,13/02	22381		N19,N43/02
18401	12	5/02	18626	15	37/02	21033	46	14,20,32/02	22395	2	4,19,42/02
18402	22	4/02	18640	24	13,15,24/02	21120	27	47/02	22403	1	N45/02
18403	21	4/02	18643	16	24/02	21121	18	47/02	22404	15	46/02
18405	12	43/02	18645	24	15,19/02	21122	5	47/02	22409	4	N45/02
18406	5	5/02	18649	62	3,8,11,12,15,19,20,23,33,36,38,41/02	21140	1	45/02	22410	32	4,7,11,43,44,46/02
18407	5	4,8/02	18650	51	28*,33,38,41/02	21141	23	48/02	22412	2	7/02
18409	8	11/02	18651	41	12/02	21160	1	45/02	22413		N45/02
18414	9	8/02	18652	31	2*,8,11,18,19,20,23,26,27,30,33,38,41/02	21161	19	43,48/02	22418	2	24,36,44,46/02
18415	8	5,13,42/02	18653	9	3,8,11,15,19,36,38,41/02	21182	34	39/02	22421	4	N4,N7,N11,N43,N44,N46/02
18416	6	10,P44,48/02	18654	42	28*,38/02	21342	28	41,44/02	22425	2	7,11,44,46/02
18419	11	47/02	18655	58	10*,19/02	21441	27	34,44/02	22427	1	N4,N43,N44,N46/02
18420	1	13/02	18656	52	19,23,26,27,30/02	21489	1	13/02	22429		N24,N46/02
18421	44	20*,26,P44,48/02	18657	18	19,26,27,30/02	21500	1	5/02	22433	3	39,47/02
18423	32	4,5,6,7,8,9,15,17,26,32,39,P44,48/02	18658	29	23,26,27/02	21510	1	13/02	22436	2	39/02
18427	21	35/02*	18659	14	26,30/02	21520	1	5/02	22471	31	18,44/02
18428	9	19/02*	18660	1	30/02	21521	14	5/02	22481	35	43,44/02
18429	8	4,P44,48/02	18661	26	23,27,30/02	21529	1	14/02	22482	16	44/02
18430	7	28/02*	18662	20	30/02	21540	36	5/02	23000	5	18/02
18431	5	30*,P44,48/02	18663	4	23,27/02	21563	3	45/02	23010	4	27,38/02
18432	4	5/02	18666	1	9*,26/02	21601	4	14/02	23023	4	27/02
18433	4	5,15,P44,48/02	18680	30	15/02	21602	1	28/02	23030	6	27,38/02
18434	4	15,26,P44,48/02	18685	31	25/02	21605	7	19/02	23115	3	27/02
18440	25	4,6,7,9,12,15,17,22,33,39,P44,48/02	18700	21	8,34,36,37/02	22004	38	18,20,23,30,32,34,36,39,41,43/02	23121	7	30/02
18441	42	30*,32,39/02	18703	24	13*,36,37/02	22008	35	4,13,18,30,34,36,39,41,43,44,48/02	23122	8	23,30,33/02
18443	15	7,8,17,39/02	18704	12	37/02	22012	31	4,14,16,30,34/02	23123	3	30/02
18444	15	7,8,17,39/02	18721	11	8,35/02	22036	28	18,47/02	23124	3	N30/02
18445	29	4,6,7,8,12,15,17,22,28,32,33,39/02	18722	3	8/02	22050	4	19/02	23125	4	30/02
18446	15	4,6,8/02	18723	3	8/02	22051	18	28/02	23126	6	N24/02*
18447	26	4,11,27/02	18725	26	4,8,23,35/02	22052	6	28,46/02	23127	4	N24/02*
18448	32	12,15,17,33/02	18740	39	8,16,20,23,34,37,45/02	22080	3	20,32/02	23128	4	N24/02*
18449	17	15,17/02	18741	18	N25,N45/02	22082	4	4,17,19/02	23131	7	26,31/02
18452	16	17/02	18744	30	37/02	22083	5	19/02	23141	7	34/02
18453	23	28,38/02	18746	34	7*,20,23,34/02	22084	4	42/02	23150	10	20,37/02
18455	2	N17,N22,N39/02	18749	38	7*,10,16,18,20,23,25,27,40/02	22084	4	42/02	23152	3	37/02
18456	19	12/02	18751	42	7*,10,16,20,25,27,40/02	22090	2	30,32,43/02	23153	8	20,31/02
18457	9	12,15/02	18754	16	36/02	22100	3	20,32/02	24000	39	27,29/02
18458	14	6,7,17,22,32,39/02	18758	6	35/02*	22101	19	16,20,32,43/02	24004	36	5,7,29,30/02
18459	5	N7,N17,N22,N32,N39/02	18760	6	N8,N16,N23,N34,N35,N45/02	22111	4	32/02	24008	42	7/02
18460	10	15,28,40,P44,47,48/02	18761	2	N20/02	22112	3	23,25,30,32,43/02	24012	40	6/02
18464	22	9,32/02	18762	15	20/02	22113	8	23,25,30/02	24016	53	30,39/02
18465	34	26,P44,48/02	18763	9	20/02	22114	5	16,32,42,43/02	24020	47	27/02
18471	8	13*,32/02	18765	15	18*,25,45/02	22120	3	8,18,23,30,34,36,39,41,43/02	24028	6	23,48/02
18473	6	4,6,8,12,22/02	18766	7	25,45/02	22121	9	6,8,17,23,30,34,36,44/02	24050	11	27,31,34,38/02
18474	7	45/02*	18768	4	N25,N45/02	22122	2	17,34/02	24052	15	31,37,38/02
18476	4	6,7,12,17,22,32,39/02	18769	2	N20/02	22125	1	18,36/02	24053	16	24/02
18477	5	4,12/02	18772	46	20,25/02	22126	1	36/02	24055	6	37/02
18480	28	28*,40,P44,45,47,48/02	18773	38	4,8,18,20,23,25/02	22130	2	44/02	24057	4	31,38/02
			18774	10	35/02*	22138	2	8,18,41,44,48/02	24058	2	31,32,37,38/02
			18775	2	N20/02	22140	2	4,30,34,36,44/02	24060	2	34/02
			19002	9	N23,N25,N37/02	22142	2	39,41,43/02	24080	5	29/02
						22143	3	6,8,17,41/02	24091	6	26/02
						22145	2	N41/02	24092	14	26/02
									24100	5	27,29/02

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 NM 2/02 THROUGH NM 48/02

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24101	3	37,41/02	25484	23	11/02*	28110	2	15/02*	35424	3	30/02
24102	3	37,41/02	25485	45	23,26/02	28162	29	28/02	36005	2	6.7,12,13,14,15,17,24,27, 28,34,36,38,45,46/02
24110	3	27,29/02	25487	2	23,26/02	28164	17	28/02	36010	27	8,12,16,19,20,22,24, 38/02
24130	14	24,29/02	25524	43	11,33/02	28170	1	4/02	36015	2	13,17,24,27,36,46/02
24132	13	10/02	25526	2	11,19,33/02	28190	2	41,43,45,46/02	36040	16	12,19,30/02
24140	18	4,32/02	25527	31	11,33/02	28196	4	41,43,45/02	36046	5	38/02
24149	1	32/02	25528	5	21,42/02	28197	4	45/02	36060	17	8,12,16,19,31,38/02
24150	27	6,27,29,30,32/02	25550	2	17,19,24/02	28202	22	41,44/02	36061	5	46/02
24151	4	29,32/02	25563	50	17,33/02	28210	2	33,35,39,41/02	36062	11	40*,46/02
24152	2	30/02	25565	7	33/02	28220	2	35,39/02	36081	16	12/02
24153	6	10,30/02	25566	27	17/02	28221	18	33,37,39/02	36106	7	18,47/02
24154	12	10/02	25567	16	19/02	28223	4	35,39/02	36117	6	18/02
24156	2	22/02	25570	3	19,31/02	28260	30	35,37/02	36120	9	16,19,20,22,31,46/02
24159	1	27/02	25575	4	4,31/02	28263	3	35,37/02	36122	12	16,19,21/02
24160	21	6,27,28/02	25600	47	24/02	28264	3	35,37/02	36123	25	16,19,21,46/02
24161	11	11,27,42/02	25601	34	10,17,19,20/02	28265	3	37/02	36137	4	38/02
24162	9	4,11,22,27,42/02	25607	4	24,39/02	28281	32	36/02	36138	3	39/02
24164	6	10,27/02	25608	21	10,17/02	28282	2	35/02	36140	12	13,21,22,24,36,41/02
24200	14	6/02	25609	5	30/02	28300	1	23,39/02	36142	6	24/02
24211	7	24/02	25613	2	5,14,30/02	28302	16	31,33,39,40/02	36143	4	18,34/02
24220	14	27,28/02	25640	40	28/02*	28310	2	23,31,33,35,39/02	36161	10	13,20,24,34,44,45,47/02
24222	3	27/02	25641	26	5*,30/02	28320	6	33/02	36162	10	13,20,35,45,47/02
24223	33	18/02	25644	12	42/02	28321	36	29/02	36163	13	20,31,34,35,38,44,45, 47/02
24230	20	10,18,30/02	25645	17	15/02*	28323	2	27,29/02	36164	7	34,38,44,46/02
24233	15	36,43/02	25646	7	N42/02	28325	2	27,29/02	36165	6	17,18,20,22,24,28,36, 44/02
24234	3	30/02	25649	18	18,30,35/02	28330	2	27/02	36167	2	24,40/02
24240	5	30,39/02	25650	33	22*,30/02	29015	5	2,22/02	36173	1	40/02
24250	5	30,39/02	25663	27	19/02*	29121	5	32/02	36180	23	13,17,20,21,22,36,40/02
24251	23	24,34,43/02	25668	18	15*,16,48/02	29122	5	32/02	36181	18	17,20,21,22,36,40/02
24252	5	30,39,43/02	25670	41	26,38,48/02	35000	26	11,13,23,24,47,48/02	36182	6	13,20,36,40/02
24260	5	34/02	25673	15	28,42/02	35008	21	45,48/02	37000	22	11,23,28,47,48/02
24270	3	24,27/02	25677	19	4,21/02	35009	19	15,40,41,45/02	37005	16	17,18,23,41,45,47/02
24290	3	36,43/02	25681	15	4/02	35011	2	11,48/02	37010	23	15,16,17,18,23,26,41,45, 47/02
24291	4	36/02	25683	17	30/02	35016	17	12,29/02	37025	26	38/02
24292	4	36/02	25687	11	12,15,35/02	35031	3	12,22/02	37032	2	9,12/02
24293	6	6,32,36/02	25700	3	8,12/02	35032	16	12/02	37033	2	47/02
24294	22	6,36/02	25710	2	8,12/02	35036	21	13,17,19,24,30,36/02	37041	15	17,20,27/02
24311	4	27/02	25720	3	8,12,33/02	35040	18	21,45/02	37042	5	17,41,45/02
24312	4	27/02	25723	40	8/02	35041	8	21,35/02	37043	17	13,17,20,43/02
24320	4	27,28,34,43/02	25724	3	8/02	35042	9	21,27,44/02	37044	16	14,45/02
24322	6	28,34/02	25800	3	24,36/02	35044	9	38/02	37045	11	45/02
24350	2	31/02	25803	16	12/02	35047	5	13,35/02	37046	18	21,31,43/02
24370	1	34/02	25841	9	8,10,24,36/02	35060	14	18,22,40,41/02	37047	6	14/02
24375	2	34/02	25842	10	8/02	35080	16	18,22,40/02	37050	9	18,26,42,46/02
24380	2	35/02	25845	9	8/02	35086	5	31/02	37060	3	13,17,21,31,46/02
24388	2	35/02	25848	25	8/02	35099	3	41/02	37061	15	36,38/02
24404	8	14,21,26,35,44,48/02	25849	13	8,42/02	35100	14	40,45/02	37063	21	7,16,21,28,36/02
24405	10	14,26,35,36,44,48/02	26050	1	13,34/02	35101	6	41/02	37064	8	17/02*
24406	30	20,26/02	26081	8	46/02	35103	5	41/02	37065	7	19/02*
24408	21	4,14,36,44,48/02	26083	14	29/02	35120	13	40,45,47/02	37075	3	7,21,31/02
24410	2	21,44/02	26127	21	5/02	35130	3	48/02	37079	5	22/02
24423	2	6,8/02	26128	50	5/02	35136	2	48/02	37080	3	14,17,24,27,30,33,34,38, 40,42,44,45,46/02
24430	5	39/02	26129	11	4,26/02	35141	11	34/02	37081	23	18,20,21,28,38,43/02
24431	14	39/02	26140	2	8/02	35143	7	34/02	37082	9	13,28,44/02
24434	4	39/02	26142	10	8,24,33/02	35150	3	48/02	37083	8	20,22/02
24444	2	6/02	26143	10	8/02	35155	3	11/02	37084	9	20,22,38,40,43/02
24450	3	6/02	26145	10	8/02	35159	3	25/02	37085	8	38,40/02
24452	7	16,26/02	26147	31	8,10,13/02	35163	7	25,44/02	37086	8	38/02
24460	4	15,17,39,47/02	26148	4	8,13/02	35166	4	35/02	37087	7	38,40/02
24462	5	15,47/02	26210	2	24,36/02	35167	3	35/02	37089	12	21,28/02
24463	6	24,39/02	26229	11	17/02	35169	2	35/02	37090	8	7,14,27,32,45/02
24465	6	15,23,33,47/02	26230	12	17/02	35200	7	48/02	37095	3	13,14,15,17,18,24,28, 32/02
24469	1	20,46,47/02	26240	7	23/02	35210	3	29/02	37101	9	6,15,18,27/02
24470	4	28,39,47/02	26260	5	12,24/02	35230	3	29/02	37103	9	12,13,15,27,29/02
24471	8	28,47/02	26280	7	8,23/02	35236	2	7,38/02	37104	3	12,13,41/02
24480	1	14,17,25,27,41,44,45/02	26282	6	8/02	35246	2	38,43/02	37106	4	12,13/02
24482	2	24/02	26284	3	8/02	35270	2	38,46/02	37110	11	6,12,13,15,17,18,19,24, 27,28,29,47/02
24483	2	20,24/02	26290	1	8/02	35276	3	46/02	37112	1	47/02
24484	3	24/02	26303	4	13/02**	35277	3	38,46/02	37115	2	6,12,13,15,17,18,19,27, 28,29,33,47/02
24490	3	24,31/02	26305	4	13/02**	35279	3	38/02	37119	2	43/02
24491	3	31/02	26306	14	8/02	35295	3	27/02	37120	2	12,13,15,19,24,27,29,39, 42/02
24492	20	31,46/02	26308	4	8,15/02	35298	7	27/02	37121	11	12,13,15,24,27,29,31/02
24501	3	14,17,27/02	26309	26	8,17/02	35299	9	8,12/02	37122	12	48/02
24502	6	46/02	26320	5	5,8,12,15,24,27,28,29, 35/02	35300	17	12/02	37123	9	19/02
24504	7	17,41,45,46/02	26327	2	N41/02*	35301	6	12/02	37125	15	15,19,24,42/02
24508	2	18,19,41,45,46/02	26328	2	15/02	35303	7	40/02	37126	8	15,41/02
24509	2	17,45/02	27005	4	5,8,9,12/02	35308	5	8,12/02	37129	6	39,42/02
24510	2	17,18,19,41,45,46/02	27080	4	5,20/02	35310	2	12,22/02			
24512	3	25,29,44,46/02	27082	6	9,18/02	35330	2	4,12,22,38,41/02			
24513	18	46/02	27100	2	31/02	35350	2	7,38,41/02			
24517	2	18,19,46/02	27120	4	41,43,44/02	35390	2	12/02			
25001	7	9,12,17,19/02	27163	21	9/02	35400	11	8,12,30/02			
25017	5	9,12/02	27183	8	5/02	35402	3	38/02			
25018	9	9,12/02	27186	8	5/02	35405	2	8/02			
25400	1	23,26,35,48/02	28004	1	5,20,23,45/02	35420	13	12,24,30/02			
25480	1	20,42,46/02	28050	3	13,28,34/02	35421	14	31/02			
25481	25	4,26/02				35423	6	31/02			

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37133	4	44/02	38044		N12/02	44065	7	5,11,15,16,20,25,30,42/02	51159	3	47/02
37134	5	38/02	38100	4	12/02	44066	10	16,20,27,39/02	51160	20	48/02
37136	6	38,46/02	38103		N12/02	44067	22	5,8,11,16,21,25,29/02	51164	18	38,45,46/02
37137	6	46,48/02	38105		N12/02	44068	11	11,13,17,18,20,24,26,44/02	51165	8	25,45/02
37139	8	18,23/02	38460	7	18/02	44069	16	5,9,11,13,16,18,20,21,24,29,31/02	51166	3	N25,N45/02
37140	33	15,17,19,21,22,24,27,29,31,35/02	38463	2	N18/02	44070	7	9/02	51167	6	45/02
37141	29	20,21,23,36,40,48/02	38480	6	18/02	44071	4	9/02	51168	2	45,46/02
37145	23	46/02	38580	8	12/02	44072	4	5,21/02	51220	8	33/02
37147	15	13,21,35,36,40/02	38603	2	4,17,21/02	44073	2	5,21/02	51225	3	27/02
37148	13	17,21,35,38/02	38610	1	20/02	44075	4	5,9,11,16,17,21,29,31,42/02	51240	2	33/02
37149	10	44/02	38670	2	9/02	44076	3	18,25/02	51260	4	37/02
37150	8	13,16,21,22,31/02	38690	2	10/02	44081	9	8,15,16,17,20,24,25,39/02	51300	4	27/02
37161	14	13,18,21,22,31,34,43/02	41060	3	34/02	44082	11	6,11,15,16,17,18,21,24,25/02	51320	3	12/02
37162	12	11,12,15,16,17,18,26/02	42620	5	12/02	44083	8	10,15,21/02	51341	23	48/02
37163	19	11,13/02	42740	5	2,12,34,41/02	44084	1	6/02	51380	5	47/02
37164	4	15/02	42742	3	2/02	44085	2	21,25/02	51559	3	41/02
37165	2	5,8,9,15,17,18,20,21,34,36/02	42760	5	2,12/02	44100	7	11,13,15,16,17,18,24,25,26,44/02	52040	17	43/02
37166	2	8,11,12,15,16,17,18,26/02	42762	3	N12/02	44120	7	6,11,15,16,17,18,21,26,27,28,29,31/02	52043	21	46/02
37170	11	38/02	43030	24	11,25,28/02	44140	8	4,6,16,26,27,28,29,31/02	52045	6	36/02
37180	20	21,38/02	43040	6	2/02	44160	7	46/02	52051	1	43/02
37182	14	35,47,48/02	43059	3	44/02	44161	2	29/02	52052	1	43/02
37183	9	48/02	43060	4	44/02	44163	1	48/02	52060	16	43/02
37184	8	48/02	43079	2	41/02	44164	1	46,48/02	52061	2	45,48/02
37200	15	18/02	43082	5	41/02	44165	1	46/02	52082	3	45,46,48/02
37202	2	13,18/02	43101	3	46/02	44178	2	21/02	52083	2	45,46/02
37205	2	39/02	43102	4	46/02	44180	6	18,20,24,29,34,45,46/02	52084	2	45/02
37221	13	5,8,9,11,12,15,16,17,18,20,21,24,25,27,28,34,36/02	43104	4	46/02	44182	4	21,48/02	52088	2	45/02
37222	13	15,27,28/02	43106	6	44/02	44183	6	48/02	52092	1	46/02
37223	14	26,42/02	43140	4	17,41,48/02	44184	9	21,45/02	52120	12	32/02
37224	11	15/02	43144	4	17/02	44185	7	45/02	52121	8	45,46/02
37226	17	5,9,11,15,16,17,19,20,21,25,28,30,39/02	43145	4	17/02	44187	2	21,45,46,48/02	52122	14	45/02
37228	14	5,8,13,21,24,27/02	43146	2	48/02	44192	1	21,29,46,48/02	52125	1	45,46/02
37229	15	15,16,17/02	43150	2	N17/02	44193	1	26/02	52140	6	48/02
37230	14	16,18,24,25,39/02	43160	6	17/02	44200	9	20,24,29,34/02	52141	5	48/02
37231	18	9,12,15,20,21,25,28,30/02	43161	2	17,41,44/02	44201	1	20,24,33,48/02	52170	3	3/02
37232	12	12,15,16,21/02	43163	3	44/02	44202	2	48/02	52172	2	3,11,40/02
37234	13	9,12,15,20/02	43164	3	17,48/02	44206	1	46/02	52180	14	2,21,24,42,43/02
37235	11	15/02	43182	4	47/02	44220	5	46/02	52186	3	3/02
37241	17	13,16,17,18,26/02	43223	4	41/02	44223	2	25/02	52262	6	7/02
37242	10	13,15,20/02	43225	4	17/02	44224	2	25/02	53031	1	12,13,17,18,19,21,22,27,28,30,39,48/02
37244	11	8,11,16,17,18,26/02	43263	7	44/02	44225	5	15,16,44/02	53060	14	12,14,15,17,18,19,21,22,27,28,30,32/02
37246	14	13,15/02	43265	2	44/02	44226	5	46/02	53063	8	14,19,28,44,47/02
37248	18	12,39/02	43270	2	44/02	44243	2	25/02	53066	2	12,33/02
37258	4	15/02	43280	5	44/02	44260	7	29/02	53081	8	15,21,30/02
37261	10	15,28/02	43281	6	20/02*	44280	9	29,34/02	53082	13	40/02
37264	3	30/02	43284	4	16/02	44284	2	41/02	53083	8	18,19/02
37265	3	18,24/02	43285	5	15,16,44/02	44310	5	20,29,41,42/02	53084	6	17,18,24/02
37281	15	30/02	43300	5	15,44,47/02	44313	1	27,41,47/02	53085	6	17,24/02
37320	16	12,18,26,27,28,38,44/02	43301	4	15,45/02	44319	2	21,41,42/02	53086	8	20,46,48/02
37325	8	14,18,34,39,47/02	43302	4	44,47/02	44320	4	13,23,29/02	53087	9	48/02
37326	2	11,12,34,47/02	43303	4	41,47/02	44321	6	13,19,22,23,29,32,40/02	53088	7	33/02
37328	2	12,18,42,44/02	43304	2	44,47/02	44340	11	13,16,20,21,37/02	53090	1	41/02
37330	2	22,24,26,30,32,34,38,40,46/02	43321	6	30,41,47/02	44341	7	13,25,37,41/02	53093	2	20/02
37342	3	17,32/02	43323	4	30/02	44342	8	6,13,37,41/02	53100	16	13,18,19,21,24,28,33,39,42/02
37343	10	11,45/02	43324	4	30/02	44360	9	8,16,20,21,34,37,41,42/02	53101	7	33/02
37344	11	17,32,34/02	43324	7	41/02	44361	6	21,27/02	53104	2	20,35,42/02
37360	15	15,17,27,28,30,32,34,43/02	43374	1	22/02	44366	1	34,41/02	53105	20	37/02
37362	6	12,17,31,43,48/02	43375	7	46/02	44367	2	15,16,18,20,22,25,26,29,35,37,40/02	53106	6	19*,20,24/02
37363	8	11,48/02	43384	1	48/02	44400	4	48/02	53107	16	35/02
37367	1	38/02	43385	1	5,27,45,48/02	44401	7	13/02*	53110	1	29,40/02
37380	2	12,15,17,34,40,42,43,44,48/02	44001	2	48/02	44402	6	5,36/02	53111	3	31,44/02*
37400	10	9,15,28,34,38,40,41,44,46/02	44015	8	28,31,48/02	44430	2	4,6,16,17,28/02	53120	14	13,18,20,21,27,28,39,42/02
37401	9	9,28,32,44/02	44036	5	28/02	44444	6	31/02	53122	3	20,29,40/02
37402	7	28,32,41,42,44/02	44038	5	18/02	44461	10	4,6,8,12,16,17,19,28/02	53125	2	46/02
37403	23	12,24/02	44040	23	28,44/02	44462	4	4,6,8,19/02	53130	1	27,42,47/02
37420	1	9,12,34,43/02	44041	7	48/02	44463	9	4/02	53133	3	6*,41,46/02
37441	4	9,12,15/02	44042	7	21,44,45/02	44465	2	4,6,8,12,16,17,19,28/02	53135	2	20/02
37443	2	9,12/02	44043	8	44/02	44481	2	6,26,28,31/02	53141	5	20,24,34/02
37445	1	12,48/02	44046	10	18/02	51002	7	13/02*	53147	3	36,39,42/02
37481	7	47,48/02	44047	22	8,26,44/02	51007	22	38/02	53149	2	31/02
37501	3	46,47/02	44048	11	8/02	51013	4	38/02	53160	14	20/02
37505	2	46/02	44049	9	18,44,46/02	51017	31	37/02	53162	6	15,20,33,37/02
37506	4	45,46,47/02	44050	21	8,18/02	51022	11	37/02	53164	9	20,37/02
38030	1	9,10,20,21/02	44051	1	44,48/02	51103	10	29*,33,45/02	53165	13	39/02
38040	5	12/02	44057	5	8,13,21,25/02	51104	1	29*,33,45/02	53180	10	2,33,34,43/02
38041	1	12/02	44061	21	8,18,21/02	51143	4	14/02*	53181	4	2,34/02
			44062	8	8/02	51144	3	14/02*	53182	4	36/02
			44063	8	13,21/02	51145	2	42/02	53183	13	19*,35/02
			44064	19	8/02	51146	3	42/02	53184	5	32,35/02

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 48/02

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53200	6	2,3,33,36,43/02	54344	6	14,19,48/02	57064	3	41/02	62120	6	11/02
53203	11	3/02	54346	8	14,19/02	57101	18	41/02	62121	9	11/02
53204	10	3,44/02	54360	12	15,19,20/02	57120	13	43/02	62140	1	34,40/02
53206	6	17/02	54363	3	15,19,20/02	57140	10	43/02	62142	10	24,28/02
53220	6	2,36,43/02	54365	6	15,19,36/02	57141	14	43/02	62143	3	24,28/02
53223	5	29/02	54366	3	15/02	57142	6	43/02	62144	3	24/02
53226	2	15/02	54367	3	15/02	57160	10	43/02	62170	2	38/02
53242	12	2/02	54368	4	20/02	57161	4	31/02	62171	4	38,47/02
53244	2	2/02	54369	4	13,15/02	57162	7	43/02	62191	14	22,29,41/02
53262	7	22,42/02	54372	2	20/02	57164	2	43/02	62193	17	17*,19,31/02
53263	1	37/02	54380	6	5,19,26,42/02	57165	1	43/02	62194	8	17*,18,19,31,36/02
53265	6	19,35,41,46/02	54382	9	26/02	57170	1	43/02	62195	6	22,36,41/02
53268	4	22,42/02	54386	10	7,42/02	61015	8	17/02	62220	8	8/02
53269	5	19/02	54387	7	6,23,42/02	61018	4	18,24/02	62225	3	17*,37/02
53279	3	9/02	54389	8	6,43/02	61020	2	17,28/02	62242	11	47/02
53281	4	31,40/02	54400	8	5,7,20,32,43/02	61021	3	18/02	62250	4	34,38/02
53282	8	40/02	54403	4	6,22,43/02	61036	8	8,27/02	62270	4	37,41/02
53283	4	33/02	54404	4	19/02	61110	3	12,28/02	62271	5	37,41/02
53284	4	33,40/02	54407	4	32,43/02	61111	12	12/02	62285	2	26/02
53285	4	35/02	54409	2	23,32/02	61112	10	14,17/02	62290	3	2,11,26,37,41/02
53287	6	20,27,35,42/02	54413	3	31/02	61120	4	12,28/02	62292	2	24/02
53290	1	35/02	54416	5	7/02	61130	3	12,28/02	62295	3	2/02
53301	4	27/02	54418	4	32,43/02	61140	5	12,27/02	62310	2	6,27/02
53306	2	21,39/02	54421	6	6,7,28,47/02	61141	6	38/02	62313	4	17*,27/02
53311	3	39/02	54422	4	19/02*	61142	6	38/02	62330	2	14,38,40/02
54040	3	37/02	54423	5	48/02*	61150	4	12/02	62340	3	38/02
54041	7	18,35/02	54430	1	26,28,37,43/02	61160	3	12/02	62360	5	18,38/02
54043	2	15,17,18,29/02	54440	4	7,30,41/02	61170	5	13,27/02	62361	2	N18,N38/02
54060	5	18,37/02	54441	6	30,42/02	61171	10	13/02	62366	3	38,40/02
54080	5	8/02**	54463	5	14/02	61172	6	13/02	62392	7	14*,18/02
54081	3	13/02	54464	5	7/02	61180	4	20,27/02	62393	7	34,37/02
54083	4	19/02	54480	8	22,30,36,41/02	61182	2	13/02	62394	10	34,37/02
54085	2	18,19,40/02	54481	8	22,30,36/02	61190	4	39,41/02	62395	2	34/02
54090	3	46/02*	55001	4	6,18,29,36,37,42/02	61191	8	12,13/02	62400	17	23,24,33/02
54095	3	46/02*	55040	4	13,15,18,23,27,28,31,32,39,41/02	61200	7	17,21/02	62401	9	11/02
54100	4	8/02**	55041	7	15,22,32/02	61210	6	17/02	62402	9	2,5,6,15,17,20/02
54105	3	46/02*	55042	1	18,21,27,28,42/02	61220	5	17/02	62406	2	8,24,33/02
54115	3	46/02*	55043	2	21,23,27,28,37,39,42/02	61240	7	18/02	62408	7	11,15/02
54120	5	15,16,17,18,19,20,37,39,41/02	55044	5	22,23,41,43/02	61250	4	18/02	62409	6	2/02
54125	3	46/02*	55045	2	18,21,23,41/02	61310	2	33/02	62413	11	33/02
54140	7	15,16,17,18,41/02	55046	4	4,21,22,23,26,27,30,31,37,38,39,41,48/02	61311	5	17,33/02	62419	6	33/02
54151	1	7,14,15/02	55047	8	22,23,26,27/02	61312	3	17,33/02	62420	5	33,37,39/02
54160	14	8/02**	55048	12	6,23,27,32,36,37,39,41,48/02	61400	2	27/02	62429	9	17,27,39,43/02
54161	12	16,17,19/02	55049	6	22,27,30,41,43/02	61410	2	14/02	62431	8	26*,27,37/02
54165	2	33,37/02	55060	7	19,20,36,37/02	61420	2	14/02	62432	15	4,25,31,34/02
54167	2	17,19/02	55064	3	4,23,37,48/02	61430	2	14/02	62433	12	15,30,31,34,45/02
54168	1	37/02	55084	7	39/02	61433	1	14/02	62434	9	12*,40,46/02
54169	3	8,16,37/02	55085	9	13/02	61434	2	14/02	62437	9	32,46/02
54180	6	7,8,10,19,41,43/02	55100	8	29,36,37/02	61440	2	15/02	62440	7	5,15,17,20/02
54195	2	11/02	55102	3	24/02	61450	2	14,17,27/02	62441	10	16,36/02
54200	4	7,8,10,11,13,21/02	55103	2	9,12,24,29,48/02	61470	2	15/02	62448	2	2,23/02
54201	6	13,21/02	55104	2	9,48/02	61472	1	15,20/02	62449	4	15/02
54220	5	7,10,13/02	55105	7	6,9,12,18,29,36,41,42/02	61500	2	17/02	62451	7	2,21,23/02
54222	4	21,43/02	55110	2	4,7,23,24,29,37/02	61510	2	15/02	62453	3	25,33/02
54223	2	13,21/02	55120	2	36/02	61520	2	15/02	62455	7	17,27,39,43/02
54224	2	13,21/02	55128	2	4,5,6,9,26,33,36,38/02	61522	1	15/02	62456	1	27/02
54225	2	21/02	55129	7	6,9,33,36,37/02	61538	1	15/02	62457	5	5,6,17,20,21,24,36/02
54226	2	7/02	55130	2	13,27,45/02	61540	2	15,20/02	62460	4	6,24,31,33/02
54227	2	7/02	55131	1	27,36,45/02	61541	8	4/02	62464	2	15*,31/02
54240	11	8/02**	55139	5	41/02	61542	6	4/02	62480	1	13,15,18,23,30,31,33,37,43/02
54260	3	8/02**	55150	2	4,6,7,24,28,29,37/02	61550	2	17/02	62490	1	2,4,12,16,18,25,29,31,32,33,43/02
54279	3	N20/02	55160	2	6,18,24,28,29,42/02	61560	2	15/02	62498	4	12*,23,25,27,31/02
54280	10	11,14,15,20/02	55161	1	7,29/02	61582	4	14,18/02	62499	4	15*,25,27,31/02
54281	6	20/02	55170	2	9,12,18,29,31,36,41/02	61591	4	8/02	62510	2	6,23,31,33,43/02
54283	5	8,19,20/02	55175	1	24,28/02	61592	4	8/02	62512	2	N6,N23,N31,N33,N34/02
54286	4	14,19/02	55180	2	9,33/02	61610	7	28,29/02	62515	2	14,26,45/02
54287	7	7,9/02	55200	2	12,27/02	61611	11	28/02	62520	5	5,6,7,13,15,17,20,30,31,37,43/02
54288	5	9/02	56042	6	22/02	61612	4	28/02	62521	3	N5,N6,N7,N13,N15,N17,N20,N30,N31,N37,N43/02
54289	8	7,9,19/02	56043	6	22/02	61650	3	17/02	62530	5	7,31,33,43/02
54300	12	8,11,13,14,31/02	56044	3	22,38/02	62000	20	18,46/02	62531	3	N7,N31,N33,N43/02
54302	1	8,11,13,14,31/02	56060	8	33/02	62001	4	2,36/02	62540	6	17*,18,21,23,25,26,29,31,32,34,40,45,48/02
54303	4	8/02	56063	1	2,14,21/02	62024	13	13,14,38,40/02	62541	3	N17*,N18,N21,N23,N25,N26,N29,N31,N32,N34,N40,N45,N48/02
54314	2	13/02	56064	6	14,38/02	62028	15	5,8,12,18/02	62550	2	7,13,30,43/02
54318	3	5,19/02	56065	3	33,38/02	62032	15	13,16,18,23,29,32,33,43/02	62560	3	2,21,23,25,29/02
54320	4	7,13,20,48/02	56067	3	48/02*	62033	2	N13,N16,N18,N23,N29,N32,N33,N43/02	62570	4	17*,21,23,25,26,31,32,33,34,36,40,45,48/02
54322	7	5,13,19,20/02	56081	19	41/02	62040	5	13/02	62580	3	2,4,14,23,26,32,33,45/02
54324	8	19/02	56082	2	7,31/02	62046	2	13,39/02			
54327	4	20,31/02	56100	13	41/02	62050	6	18,44/02			
54329	4	5/02	56101	6	33/02	62090	7	2/02			
54330	2	5/02	56103	6	18,30/02	62092	7	2,41/02			
54333	3	5/02	56104	2	41/02	62093	7	2,16,41/02			
54334	3	7/02	56191	2	18/02	62095	2	2,3,16,41/02			
54337	3	19,31/02	56195	3	22/02*	62100	6	2,4,12/02			
54339	8	7,17,31/02	57063	5	40,41/02	62110	9	2,4/02			
54340	8	19,48/02									
54343	10	14,19,48/02									

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62590	2	4,9,12,16,28,29,36,40,46,48/02	71248	1	N18*,N20,N35/02	73601	3	12,15,17,24,26,31,34,35,47/02	74294	3	25,34,45/02
62591	3	N4,N9,N12,N16,N28,N29,N36,N46,N48/02	71249	2	35/02	73610	4	26,31/02	74295	3	18,22/02
63000	13	5,12,27,28,48/02	71251	11	20,35,40/02	73631	4	36,46/02	74296	4	27,34,38/02
63005	18	4,15,25,31/02	71253	10	14,21,35,40,42/02	73640	5	23,36/02	74310	2	9/02
63010	14	26,29,31/02	71257	2	4,8,9,15,18,21,23,28/02	74000	6	10,12,24,36,47/02	74320	3	35/02
63015	11	31,38,40/02	71258	2	4,9,15,18,20,21,28,35/02	74002	2	2,13,14,18,25,27,28,35,47/02	74330	3	15/02
63020	15	27,31/02	71259	2	18,20,21,33/02	74003	5	2,22,25,28,47/02	74340	3	15,27/02
63040	2	12*,46/02	71261	8	2,13,35/02	74004	2	12,13,18,35,37,39,47/02	74350	4	25/02
63050	2	5,12,17,46/02	71265	3	46/02*	74005	2	9,13,18,19,31,34,35,46,47/02	74376	5	43/02
63053	4	12*,14/02	71271	10	23,25,30,34/02	74006	2	26,31/02	74380	4	2,3,9,22,32/02
63054	3	19*,31/02	71272	10	23,30,34/02	74007	1	36/02	74391	3	15/02
63055	2	5,14,29/02	71273	3	13,23,35/02	74008	6	9,15/02	74392	7	16,22,25,39/02
63060	7	5,12,25,28,32/02	71285	3	2,7,23,25,30,34/02	74009	10	3,9,20,22,25,38/02	74393	9	12,16,18,19,25,28,31,38,41/02
63062	7	5,18,28,29/02	71295	2	25,26,30,34,39,40/02	74010	10	17,20,22,26,37,40/02	74394	2	3,12,18,19,28,31,41/02
63063	9	5,27,29/02	71305	2	9,14,31,34,36/02	74012	10	17,20,22,26,37,40/02	74410	3	16,20,25,38/02
63065	6	18/02	71313	8	45/02	74015	10	20,40/02	74415	1	39/02
63070	3	20,27,28,29/02	71315	2	14,27,31,34/02	74017	4	3,12,17,18,37,45/02	74420	3	45/02
63080	5	26,27,28,31,48/02	71320	1	35/02	74018	6	44/02	74440	3	32,39/02
63090	8	25,31/02	71330	13	35/02	74020	4	16,17,33,37,38,43/02	74450	3	21,22,26/02
63094	4	26,27,32,39,48/02	71340	11	18,19,22,40,46/02	74021	7	10,13,14,20,33,35,39,44/02	74455	3	9,19,21,23,48/02
63100	2	4,15,44/02	71348	3	18,35/02	74024	7	31,44/02	74460	4	21,22,26,37,40,46/02
63101	15	14,17,19/02	71350	8	15,18,20/02	74027	9	43,44/02	74465	2	9/02
63102	19	14,17,19,26/02	71400	5	11/02	74030	6	10,28/02	74475	2	44/02
63103	17	14,17,26,29/02	71401	1	40,46/02	74042	1	6/02	74480	2	44/02
63110	4	40/02	71402	1	18,40,46/02	74052	2	10,28/02	74485	3	16,43/02
63111	9	17,25,48/02	71410	1	11,39/02	74054	2	28/02	74491	4	6/02
63120	2	44,48/02	71420	1	38,39/02	74071	4	12/02	74492	7	6,16/02
63121	5	48/02	71430	2	18,41/02	74151	9	4,10,20,24,27,36,44/02	74493	3	6,16,38,43,45/02
63150	1	14,15,25,31/02	71440	1	7,24,34,38/02	74152	11	14,36,44/02	74494	2	41/02
63201	9	40/02	71450	1	22,25/02	74153	2	4,14,36,44/02	74510	2	14,16,17,33,35,37/02
63210	3	45/02	71460	1	15,20,25,41/02	74162	4	10,36,46,47/02	74515	4	10,13,14,20,28,33,35,39/02
63220	5	26,45/02	71470	2	15,38/02	74171	4	33,36,47/02	74517	3	10,13,18,20,21,39,41/02
63230	6	17*,45/02	72000	8	4,31,32,35,47/02	74172	5	2,36,47/02	74521	3	28,41/02
63231	8	31,45/02	72007	10	6,30,36,38,47/02	74181	8	2,11,13,23,28,33,35,37,38,39,47/02	74522	2	28/02
63232	3	45/02	72014	10	12,46/02	74182	12	3,5,11,13,23,24,25,26,28,33,35,37,38,39,41,42,44/02	74530	2	28,44/02
63233	15	31/02	72021	8	31,36,38,47/02	74183	11	11,38,39,42/02	74535	2	31,42,44,48/02
63250	6	14*,29,40/02	72028	7	4,5,15,31,34/02	74184	10	10,13,23,24,28,33,35,37,38,46,48/02	74545	3	28,40/02
63271	8	19/02	72035	8	16,31/02	74186	7	11,18,34/02	74555	3	10,34,43,44,48/02
63290	7	19,31,32,38/02	72040	3	11/02	74190	7	2,13,22,23,26,35,36,37,46/02	74560	10	14,23,28,32,40,43,46,48/02
63291	9	19,33/02	72045	2	16/02	74191	2	19,22,24,26,35,46,48/02	74581	9	9,13,20,26,32,34,36,40,41,43,45/02
63320	8	30/02	72060	8	32/02	74192	3	5,24,26,28,35,46/02	74582	9	3,9,13,18,26,28,40/02
63321	6	30,42/02	72070	4	8,11,32/02	74193	8	5,14,18,21,27,28,37,46/02	74583	15	26,32,34,40,43,44,48/02
63322	2	30/02	72075	2	8,20/02	74194	7	2,13,22,23,26,35,36,37,46/02	74584	5	4,18,22,25,32,34,41,43,45/02
63324	1	6/02	72080	7	8,20/02	74201	9	27/02	74590	2	10,28/02
63330	9	27,39/02	72085	2	6,8,30,47/02	74202	3	14,16,21,24/02	74591	7	10,40/02
63337	15	27,31,39/02	72094	2	29,38/02	74204	5	13,14,21,24,27,37/02	74595	2	28/02
63400	1	39/02	72100	7	29/02	74205	2	16,24,25/02	75000	6	47/02
63410	6	39/02	72103	2	29/02	74206	2	8,24,34/02	75001	3	9,23,47/02
63413	5	39/02	72105	2	36,38/02	74210	7	12,25/02	75010	7	16,18,41,42/02
63417	2	39/02	72107	2	12,15,27,29/02	74220	8	6,11,13,17,23,25,26,35,47/02	75025	9	14,22,23,36,39/02
63420	2	39,45/02	72109	3	42,44/02	74221	2	11,13,35/02	75035	18	10,21,24,36,39/02
63424	2	45/02	72110	9	12,15/02	74229	2	5,6,11,17,22,23,33,37,43,47/02	75051	6	13,16/02
71005	1	7,9,34/02	72130	4	13,46/02	74230	7	11,13,28,39,42/02	75052	2	13,16/02
71006	5	8,39/02	72131	3	13/02	74231	7	5,6,19,23,35/02	75120	2	16,42/02
71009	3	9,39,46,48/02	72173	2	12,15/02	74232	9	2,9,15/02	75130	16	7,16,18,21,27,31,34,41/02
71012	3	19,33,39,46/02	72181	2	36/02	74234	1	2/02	75142	5	4,8,15,21,28,36,42/02
71018	10	2,5,9,10,15,33,35,37/02	72190	2	6,30/02	74240	8	4,9,15,34,39,42/02	75143	4	4,12,15,20,28,32,33,36,38,42/02
71027	9	7,15,19,20,22,24,25,34,38,45/02	72201	5	9/02	74251	8	4,15,17,23,25,26,31,32,34,37,42,44,46/02	75144	3	20,31,33,36,42/02
71033	31	7,15,23,37,38/02	72203	2	16/02	74252	9	19,47/02	75150	5	13,16/02
71036	8	9,11,35,44/02	72211	6	43/02	74253	6	4,11,15,17,19,23,25,27,32,47/02	75160	6	6,22,23,24/02
71040	5	27,34,42/02	72231	8	31/02	74261	9	15,25,41/02	75170	12	38,39/02
71042	1	34/02	73000	9	26,40/02	74265	2	4,11,15,17,18,19,25,31,38,41,43,47/02	75171	22	5,8,10,12,14,17,18,22,27,31,32,33,36,38,40,42,48/02
71043	2	25/02*	73002	4	4,6,8,18,24,30/02	74270	3	9,18,19,26,31,38/02	75175	9	8,10,12,14,17,20,25,31,32,33,36/02
71044	1	27/02	73004	4	4,26/02	74271	9	9,19,28,38,46/02	75176	9	5,16,18,31,33,38,40,45/02
71058	2	23,36/02	73006	2	26/02	74272	7	26,32/02	75177	9	5,7,14,17,27,42/02
71059	1	23,36/02	73008	8	8,16/02	74273	5	18,19,31,38,41,43/02	75179	7	5,12,18,27,38,48/02
71061	15	23,36/02	73010	3	13/02	74282	2	46/02	75180	2	3/02
71066	1	39/02	73012	5	9,10,42,48/02	74285	2	31,34,35,45/02	75182	2	22,47/02
71071	5	15/02	73014	10	48/02	74286	2	15,22,24/02	75185	2	22,47/02
71081	3	16/02	73016	4	15,44/02	74287	2	27,34,38/02	75190	2	11,23,47/02
71140	6	33,39,46/02	73018	3	13/02	74289	5	13,18,26/02	75191	6	3,22,25,37,38,43,47/02
71180	29	2,8,10,33,37/02	73020	9	3,25/02	74290	11	13,25,34,39,45,46,48/02	75193	6	22/02
71183	13	32/02	73022	4	13/02	74292	8	13,27,34,38/02	75207	2	36/02
71185	24	5,8,13/02	73024	3	39/02	74293	7	25,34,45,48/02			
71186	2	5,8,13/02	73030	4	4,20/02						
71210	18	44/02	73032	4	4,25/02						
71211	4	38/02	73041	2	18/02						
71212	1	18,38/02	73141	5	13/02						
71223	8	17/02	73271	7	21/02						
71230	11	23,38/02	73552	4	9,25,34,45/02						
71239	3	4/02	73570	7	34,45/02						
71241	10	18/02									

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 48/02

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.
75208	2	14,26/02	83570	2	5,24/02	93440	4	18/02	95100	12	7,8,9,10,13,14,15,16,18,38,39,43,44,45,46,47/02
75213	2	36/02	83572	1	24/02	93460	7	6/02	95101	8	8,13,14,15,39,44/02
75215	2	36,39,40/02	83574	2	5/02	93520	13	45/02	95102	8	8,10,13,38,42,45,46,47,48/02
75220	12	10,14,36,39/02	83580	2	12,24/02	93610	3	44,45/02	95103	8	8,13,42,43,45,47/02
75222	8	18,22,35,40/02	91005	6	7,10,11,45/02	93650	2	19,44/02	95120	7	6,13,17,20,21,42,43/02
75240	4	14,36,39/02	91008	1	12,29,44,48/02	93680	3	45,47/02	95138	8	45,46,48/02
75241	6	34,36/02	91010	6	29,48/02	93690	2	44/02	95140	15	7,8,10,14,15,18,22,38,40,41,44,48/02
75251	5	23,33,48/02	91020	5	10,19,21,22/02	93698	3	45/02	95141	8	7,14,45,47/02
75261	6	13,17,21,23,24,33,36,48/02	91025	8	7,10,21,22/02	93710	3	14,26/02	95142	9	15*,18,19/02
			91030	3	7,10,11,21/02	93720	10	39,45/02	95143	11	4,15,18,40,45,47,48/02
75262	6	12,38/02	91040	1	10,11/02	93721	5	5,8,9,20,22,26,32,39,42,45/02	95144	9	8,10,19,38,41,46,48/02
75263	9	17,32/02	91080	4	11,21/02				95146	14	7,10,19,36,38,39,40,41,44,46,47,48/02
75264	17	16,17,19,33,34,37,41,42,44,45/02	91096	1	21/02	93725	6	20,45/02	95147	13	7,39,41,44,45,46,47,48/02
75265	2	13,17,20,21,24/02	91170	2	38,41,44/02	93726	4	26,48/02	95149	9	15,18,22,34,36,37,38,41,43,48/02
76015	1	3,4,18,23,24,29,35,40/02	91240	5	7,10/02	93730	3	6,21,39,40,42,45,47/02	95151	17	13,15,18,34,36,37,38,40,47/02
76020	7	8,18/02	91280	7	19,22/02	93733	13	5,6,17,21,22,26,32,39,45/02	95152	5	37,38/02
76030	9	9,12,24/02	91286	10	13,20/02	93734	11	6,17,22,26,32,45/02	95153	2	15,22,34,36,37,38,43/02
76041	2	2/02	91289	19	13,19,20/02	93736	22	5,6,8,11,16,22,26,32,41/02	95160	13	4,7,8,9,15,27,41,42,47/02
76050	8	24/02	91294	8	10,14/02				95161	16	4,27,31,40,45,48/02
76052	8	8,12,15,21/02	91297	9	10,14/02	93778	8	14,47/02	95162	2	20,40,44,47/02
76054	5	9/02	91300	3	10,21,22/02	94004	6	2,12,14,19,29,30,33,37,44/02	95163	2	27/02
76060	7	40/02	91309	4	13/02				95164	4	43,48/02
76061	3	40/02	91331	3	10,21/02	94016	2	12,23,33,35/02	95167	10	44/02
76070	9	4,9,12,23,35/02	91340	3	11,19,21/02	94028	7	7,8,9,13,14,23,25,40,42/02	95169	2	4,44/02
76071	9	4,23,35/02	91360	2	11/02				95173	1	15,16,17/02
76080	8	3/02	91400	2	10/02	94040	13	30,37,47/02	95174	1	17/02
76081	7	9,12/02	91407	2	10/02	94042	9	47/02	95176	2	16,20,31/02
76090	6	2,9/02	92006	5	45,46/02	94060	10	2,5,27,29,30,33,37,46,47/02	95177	1	18,41/02
76110	5	23/02	92010	3	19/02	94061	5	2,5,19,33,35,47/02	95180	11	9,15,17,18,27,40,42,44/02
76120	6	6,22,23,25/02	92020	2	19/02	94063	4	29,33,41/02	95185	2	20,31,40,44/02
76121	8	4,9/02	92025	3	10,11,13,21/02	94067	10	33/02	95250	4	12,44/02
76140	7	2,46/02	92030	4	7,10,11,19,21/02	94080	7	14,15,27,29,30,33,44,48/02	95252	2	44/02
76141	8	4,14,19,46/02	92033	5	45/02	94082	8	5,13,14,25,27,30,44/02	95261	7	48/02
76142	1	46/02	92060	3	21/02	94083	12	5,13,17,25,44/02	95262	13	41,46/02
76146	1	2,8/02	92061	3	21/02	94084	1	5,6,13,23,25/02	95264	8	6,48/02
76147	1	2/02	92110	3	13/02	94120	6	12,19,21,33,38,48/02	95267	5	11,17/02
76150	6	35/02	92115	1	13,15/02	94122	7	19,30,40/02	95268	16	39,48/02
76151	7	5,22/02	92120	3	5/02	94123	9	12,21,33,38,42,44/02	95270	4	8,48/02
76161	10	9,40/02	92200	3	10,19/02	94124	13	38,42,44/02	95271	4	44,48/02
76170	7	29/02	92210	4	3,19/02	94127	2	21,33,38/02	95272	2	48/02
76171	10	9/02	92216	3	23/02*	94160	7	2,26,27,33,38,44,46,47/02	95274	3	48/02
76180	1	2,4,6,18,22,23/02	92242	2	3/02	94164	2	2,26,27,46/02	95276	3	21/02*
81002	6	18/02	92290	2	7,11/02	94165	4	14,20,26/02	95280	9	2,17,48/02
81023	5	18/02	92293	2	7,11/02	94180	9	26,32,42,44,47/02	95282	7	46/02
81048	8	14/02	92310	4	5,11,13/02	94187	3	32/02	95300	5	2,16,45,48/02
81054	12	14,29/02	92320	4	7,10/02	94188	2	44,46,47/02	95302	15	8,35,38/02
81063	5	2/02	92380	3	7,10,11/02	94203	10	22,26,41,42,44,46,47/02	95341	8	8,10,11,18,19,42,47/02
81092	3	38/02*	92385	4	7,10/02	94206	3	22,26,41,42,44,47/02	95342	16	30/02
81711	6	23/02	92410	3	10,11,14/02	94207	5	N26,N42,N44,N47/02	96000	5	6,8/02
81715	4	23/02	92420	4	11/02	94208	6	N44/02	96004	14	16,17,44,45/02
82015	13	22/02	92450	3	7,21/02	94216	6	27,45/02	96012	16	7,8,11/02
82020	7	22/02	92460	1	11/02	94218	3	30,36/02	96016	7	11,12/02
82030	8	12,18/02	92470	3	19,21/02	94219	1	47/02	96020	4	6,7,41/02
82210	2	42,48/02	92560	4	45/02	94220	4	22,26,41,42,47/02	96024	3	6,7,8/02
82242	1	35,48/02	93006	2	21,39,45/02	94282	9	46/02	96028	5	6,7,8/02
82244	5	35,42,48/02	93010	6	15,17,22,27,38,40,41/02	94283	7	46/02	96032	3	38/02
82253	7	35,48/02	93018	8	9,27/02	94360	6	18,32,43/02	96039	7	16,17,30/02
82374	9	22/02	93020	2	15,24,38/02	94361	13	18,32/02	96041	11	16,17,30/02
82377	2	22/02	93022	4	6,18/02	94363	4	32,43/02	96042	11	16/02
82580	2	19/02	93025	5	45/02	94420	3	5,39/02	96043	8	16/02
82646	2	19,33/02	93030	6	6,18,45/02	94421	10	15,45/02	96044	10	8,29,30/02
82649	5	3,18,20,33/02	93032	3	45/02	94423	12	19,45/02	96120	6	30/02
82683	4	6,18,33/02	93043	1	45/02	94427	2	N32/02	96130	2	9/02
82684	3	3,12,18,33,38/02	93046	1	9,45/02	94440	2	46/02	96140	5	30/02
82689	3	5,6,18,38/02	93047	2	45/02	95016	8	9,12,40/02	96141	4	9/02
82690	10	6,18,19,20/02	93048	1	35/02	95040	8	4,40/02	96181	5	9/02
82694	6	38/02	93049	1	45/02	95060	13	4,10,14,15,16,40,43,44,47,48/02	96200	5	8,9/02
82697	6	38,46/02	93061	4	45/02				96240	4	8,11/02
83020	8	7/02	93101	2	N24,N34,N38/02	95067	13	18,41,44,46/02	96300	4	11,12/02
83021	1	25,27,43/02	93110	2	22,24,38,40,41/02	95068	1	41,42,45,47/02	96320	4	12/02
83023	4	25,27,43/02	93113	2	19/02	95080	13	8,10,13,16,18,25,27,30,33,40,44,45/02	96340	4	12/02
83026	32	18,41/02	93115	2	40,41/02	95082	9	10,13,19,21,25,27,30,33,44,46/02	96360	4	12/02
83032	1	18/02	93117	2	19,40,41/02				96441	1	41/02
83034	1	12/02	93160	4	15*,27,34/02	95083	8	21,25,33/02	96480	3	6,7,8,41/02
83039	11	9,12,41/02	93180	7	27,34/02	95084	7	15,16,18/02	96500	6	6,8,41/02
83252	8	18/02	93200	4	9,26,27/02	95085	4	15,45/02	96521	3	N19/02*
83253	2	18/02	93220	6	17,27,34/02	95086	5	15,45/02	96645	1	26/02
83382	9	20,25,27/02	93240	11	17,34/02	95087	3	4,19,21,25,33,40,48/02	96760	4	5,7,29,35,45/02
83383	2	20,25,27/02	93243	6	42/02						
83385	19	20,27/02	93247	4	26/02						
83392	5	31/02	93260	8	27,31/02						
83393	2	N31/02	93261	5	31/02						
83397	6	8,18/02	93360	5	38/02						
83425	6	3,20,35/02	93385	6	6,18/02						
83500	1	9,12/02	93404	6	6/02						
83560	3	9/02	93420	4	18/02						

SECTION I

NM 48/02

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 48/02

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.
96762	3	29/02	97220	3	2,7,8,21,24,31,37,39,42,43,44/02	97521	6	19,42/02
96763	7	29,43,48/02	97221	20	2,7,8,10,11,21,24,31,37,39,42,44,45/02	800669	8	N20/02
96764	2	5,19/02	97222	12	11,25,28,47/02	800744	1	N22/02
96780	4	4,11/02	97223	3	8,42,44,48/02	801217	1	N5,N6,N7,N21/02
96800	4	19*,41/02	97224	6	11,18,25,27,46,47/02	801885	3	N28/02
96820	4	6/02	97225	31	2,7,8,11,21,24,37,39,42,44,45/02	801959	2	N10/02
96840	3	6,19/02	97226	7	17/02	802202	8	N14,N23,N31,N35/02
96860	3	6/02	97227	11	21,24,42,43/02	802260	5	N20/02
96880	6	6,7,8/02	97228	15	2,21,28,30,39,40,42,43/02	803404	2	N26/02
96881	2	7/02	97229	12	2,7,8,18,24,27,31,36,39,47/02	804037	1	N28/02
96882	4	7,8/02	97230	18	2,29,36/02	804059	2	N20/02
96883	9	7/02	97231	11	10,21,41/02	804567	4	N17/02
96900	4	5,7/02	97232	8	4,15,20,25/02	805647	2	N37/02
96901	3	5,7,19,27/02	97233	11	31,33,43,44/02	807861	2	N27/02
96902	2	5,7,45/02	97234	17	29,43,47/02	808528	1	N25/02
96904	2	5,27,41/02	97235	20	31,47/02	809310	9	N13,N18,N39/02
96906	2	27/02	97236	10	31,33/02	809679	2	N25/02
96910	1	6,7,8/02	97237	8	21,28,29,31,33,48/02			
96937	2	40/02	97238	11	7,17,28,36/02			
96938	4	9/02	97239	7	43/02			
96941	8	47/02	97240	15	10,17,18,41/02			
96943	15	44/02	97241	10	21,29,34/02			
96944	6	45/02	97242	5	10,17,37,41/02			
96945	3	43/02	97243	16	17,18,25,29,40,41/02			
96949	21	45/02	97244	11	20,45/02			
96960	3	9/02	97245	6	36,44/02			
96962	4	19,30,35/02	97246	12	17,18,25,29,37,39/02			
97021	7	2,16/02	97247	11	19/02			
97026	10	23/02	97248	10	19,27,34,42,45/02			
97029	3	19/02	97249	19	19,27,31,34,39,45/02			
97040	5	43,47/02	97250	1	27,29,40/02			
97041	9	45,47/02	97251	11	10,17,27/02			
97043	2	17,23/02	97252	11	39/02			
97060	8	9,46/02	97253	9	27/02			
97062	12	8,9,27,44/02	97254	2	41/02			
97064	2	8,9/02	97255	3	45/02			
97080	5	9/02	97256	6	10,19,23,27,31,34,42/02			
97082	5	24,46/02	97257	6	10,11,21,23,25,27,31,34,35,36,41,42/02			
97083	3	9,24/02	97258	5	11,34/02			
97100	4	20,28,42,47/02	97259	6	12/02			
97101	1	28/02	97300	3	18,25,47,48/02			
97104	4	8,10,20/02	97301	6	33/02			
97105	3	8,10,20/02	97302	8	27,33,38/02			
97120	6	2,15,22,28,31,37,40,42,43/02	97303	9	2,27,34/02			
97140	17	2,10,15,22,33,37,39,43,45/02	97304	14	27,38/02			
97141	5	13*,19,21,40,46/02	97305	12	27,38/02			
97143	11	2,21,31,43,45/02	97306	6	20,23,27,38/02			
97144	14	44*,46/02	97307	7	21,39,47/02			
97145	1	2,15,22,43/02	97308	7	27/02			
97146	10	44/02*	97309	2	41,45/02			
97148	9	21*,23,45/02	97310	16	31/02			
97149	20	25,34,35,44,45/02	97311	4	47/02			
97150	13	34,39,43,44/02	97312	10	31/02			
97151	16	31,35,44,45/02	97313	1	39/02			
97152	8	37/02	97314	5	7,31,39,40/02			
97153	7	31/02	97315	26	31/02			
97154	2	36/02	97316	5	21/02			
97155	14	2,20,31,35,36,37,39,40,48/02	97317	14	7,18,21,36,39,40/02			
97156	6	2,21,37/02	97318	7	3,8,18,25,39/02			
97157	1	35,37/02	97319	3	21,25/02			
97159	6	33,39/02	97320	3	25,26/02			
97163	14	23/02	97321	8	11,21/02			
97166	1	33/02	97322	7	40/02			
97167	2	23,33/02	97323	17	8,9,21,34,39,42,47/02			
97180	6	8,9,11,22,31,34,39,43,45,46,48/02	97324	13	20,35,36/02			
97181	20	8,9,11,18,22,25,31,34,46,48/02	97325	2	20,35,36/02			
97182	13	11,18,21,23,31,34,39,46,48/02	97326	6	10,34,39,47/02			
97183	9	25,44/02	97327	8	20,23,27/02			
97184	15	25,28,47/02	97328	5	20,46/02			
97185	2	43/02	97329	7	40/02			
97187	3	44,48/02	97330	9	4,5,21/02			
97189	2	25,28,44/02	97331	9	5,21/02			
97190	2	8,9,22,34,39/02	97332	2	5,25,46/02			
97200	9	11/02	97333	10	7,26/02			
97202	15	43,44/02	97334	5	N7,N31/02			
97204	9	2,10,28,29,45/02	97335	8	6,7,34/02			
97206	2	10,12/02	97336	7	5/02			
97207	3	11/02	97337	7	21/02			
97218	3	10,21,41/02	97338	7	12,21,35/02			
97219	4	10,12,21,25,31/02	97339	6	10,47/02			
			97340	7	48/02			

SECTION II

NM 48/02

NIMA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

Note: Underlining indicates that column in which a correction has been made or new information added.			Edition		Price Category	Page(s)	NTM
NIMA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date			
REGION 1							
11ACO11366 (7642014014429)	Approaches to Mississippi River (LORAN-C) (New edition due to numerous Notice to Mariners corrections)	250,000	<u>7</u>	<u>9/02</u>	NOS	1-92	48/02
13BHA13303 (7642014010439)	Approaches to Penobscot Bay (New edition due to numerous Notice to Mariners corrections)	40,000	<u>12</u>	<u>9/02</u>	NOS	1-93	48/02
REGION 2							
22AHA22172 (7642014011805)	Bahia del Callao	12,500	<u>8</u>	<u>10/02</u>	A	2-62	48/02
22AHA22173 (7642014011801)	Approaches to Callao	75,000	<u>36</u>	<u>10/02</u>	A	2-62	48/02
REGION 5							
54BHA54423 (7642014012935)	<u>Antalya</u> Plan: <u>Antalya</u>	<u>75,000</u> <u>15,000</u>	<u>5</u>	<u>8/02</u>	A	5-4,43	48/02
56BHA56067 (7642014009374)	Ashdod and Ashqelon Panels: A. Ashdod B. Ashqelon	20,000 20,000	<u>3</u>	<u>8/02</u>	A	5-43	48/02
MISCELLANEOUS CHARTS AND PUBLICATIONS							
<u>TOD001400</u> (7644014853366)	Central America/Caribbean Sea		<u>1</u>	<u>3/02</u>	<u>DS</u>	10-40	48/02
<u>TOD0X016</u> (7644014853367)	Bahamas/Bermuda		<u>1</u>	<u>5/02</u>	<u>DS</u>	10-40	48/02
<u>TOD0X018</u> (7644014853369)	Northeastern United States/Canada		<u>1</u>	<u>6/02</u>	<u>DS</u>	10-40	48/02
<u>TOD0X021</u> (7644014853370)	Norway		<u>1</u>	<u>6/02</u>	<u>DS</u>	10-40	48/02
NMSUMV1 (7642014008422)	(Volume 1) East Coast of North and South America (Subregions 11 thru 15 and 23 thru 28)			<u>2002</u>	GPO	10-25	48/02

Price Categories effective 1 October 2002

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

CHS Canadian Hydrographic Service
DS Distribution Limited
GPO Government Printing Office
NOS National Ocean Service
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Note: New editions cancel former editions. They include corrections published in the Notice to Mariners prior to the effective date of the new editions and/or important corrections from other sources. Mariners are warned against the use of obsolete charts and publications as new editions contain information essential to safe navigation; however, such new editions are not valid until their availability is announced in the weekly Notice to Mariners.

SECTION II
NAVIGATION PUBLICATIONS

NM 48/02

SAILING DIRECTIONS CORRECTIONS

PUB 126 **7 Ed 2002** **LAST NM 45/02**

Page 43—Lines 37 to 39/L; read:

Caution.—A shoal, with a depth of 40m, lies about 1.3 miles, bearing 279°, from the W extremity of Tau Island. It lies in an area that has experienced submarine volcanic action. Volcanic activity was reported (2001) approximately 36 miles SE of Tau Island in position 14°34.5'S, 168°55.5'W. (BA NM 39/02, Section IV) 48/02

PUB 140 **2 Ed 2001** **LAST NM 47/02**

Page 172—Lines 7 to 8/L; read:

3187 Horten
Norway

3. Via facsimile at 33-03-46-80
(BA NP 58B, Supp. 8/02) 48/02

Page 176—Line 46/R; insert after:

New graphic titled **Poland Firing Areas** from back of this Subsection.

(Pol Annual Notice No. 11 of 2002) 48/02

Page 196—Line 25/L; insert after:

Area LE-D90A

Bounded by lines joining the following positions:

- a. 36°26'00.7"N, 6°35'00.4"W.
- b. 36°27'20.0"N, 6°32'54.0"W.
- c. 35°58'47.2"N, 6°21'49.2"W.
- d. 35°58'47.2"N, 6°41'00.1"W.

Area LE-D90B

Bounded by lines joining the following positions:

- a. 35°58'47.2"N, 6°21'49.2"W.
- b. 36°13'38.4"N, 6°27'34.2"W.
- c. 36°27'35.6"N, 6°14'55.1"W.

Area LE-D90C

Bounded by lines joining the following positions:

- a. 36°27'20.0"N, 6°32'54.0"W.
- b. 36°29'00.0"N, 6°30'00.9"W.
- c. 36°29'04.4"N, 6°25'11.5"W.
- d. 36°27'35.6"N, 6°14'55.1"W.
- e. 36°13'38.4"N, 6°27'34.2"W.

Area LE-D100

Bounded by lines joining the following positions:

- a. 36°42'46"N, 6°26'24"W.
- b. 36°45'30"N, 6°23'00"W.
- c. 36°52'00"N, 6°10'30"W.
- d. 36°41'05"N, 6°08'16"W.
- e. 36°41'07"N, 6°25'09"W.

(Spn NM 45/01, Section 4;
Spn Derrotero 2, Tomo II, Supp. 2/99) 48/02

Page 206—Line 17/L; insert after:

Advance notification for merchant shipping

The vessel's master or representative must give advance notification to the Swedish Coast Guard no less than 24 hours prior to arrival. The form titled *Notification in Advance* should be used. The document can be obtained from the Internet, as follows:

<p>Swedish Coast Guard Home Page http://www.kustbevakningen.se</p>

Any changes should immediately be reported to the Swedish Coast Guard. Any change in departure time should be reported not later than 4 hours in advance.

(11(234)01 Norrkoping) 48/02

PUB 153 **9 Ed 2000** **LAST NM 47/02**

Page 12—Line 56/L; read:

115°48'W.), marked by a light and a racon, lies 9 miles SSE of Punta Baja.

(US NM 45/21005/02) 48/02

PUB 154 **8 Ed 2002** **LAST NM 46/02**

Page 29—Line 44/R; read:

may best be seen on the chart, has three precautionary areas (US NM 48/17518, 18421/02) 48/02

PUB 159 **8 Ed 2002** **LAST NM 42/02**

Page 126—Line 14/L; read:

hama Channel.

(BA NM 30/02) 48/02

PUB 160 **2 Ed 2002** **LAST NM 47/02**

Page 90—Line 13/R; read:

ports in the Bay of Bengal and is further described at the end of this section.

(NIMA) 48/02

Page 93—Line 11/L; insert after:

Extended System—Explanation

These special signals are shown in many ports in the Bay of Bengal. These signals help locate areas of bad weather in the Bay of Bengal with some degree of certainty, even though the indicated bad weather may be located a considerable distance from the coast. The Bay of Bengal is divided into six Sections, along with a corresponding Section Signal, as shown in the accompanying graphic.

At ports not threatened, the Section signal for the affected Section is displayed below the General System Signal I or the General system Signal II and indicates the general position of the bad weather in the Bay of Bengal. some examples of the Extended System are, as follows:

1. **Bad weather located in Section 5**—A horizontally-disposed cylinder (General Signal I) displayed over a black cone, point up (Extended System Section Signal 5).

PUB 160 (Continued)

2. **Storm located in Section 2**—A vertically-disposed cylinder (General Signal II) displayed over a vertically-disposed cylinder (Extended System Section Signal 2) would be shown at all ports which are not directly affected by the storm. If the port itself is threatened, only the signals of the General System would be displayed.

If the storm center is near the boundary of two Sections, two Extended System Section Signals will be given. The first Extended System Section Signal will indicate which Section the storm center is in; the second Extended System Section Signal will indicate the neighboring Section.

If the storm center is near the boundary of three Sections, three Extended System Section Signals will be given. The first Extended System Section Signal will indicate which Section the storm center is in; the second Extended System Section Signal will indicate the nearest adjoining Section; and the third Extended System Section Signal will indicate the remaining Section.

(BA NP 21) 48/02

Page 93—Line 11/L; insert after:

New graphic titled **Indian Extended System** from back of this subsection.

(BA NP 21) 48/02

PUB 161 8 Ed 2002 LAST NM 47/02

Page 126—Line 50/R to Page 127—Line 7/L; read:

Depths—Limitations.—The port can accommodate vessels up to 70,000 dwt with a maximum draft of 13m.

The South Quay consists of five terminals, all with an alongside depth of 14m. Terminals B1 through B4 are container terminals, each with a berth length of 300m. The Laem Chabang International Terminal, located at B5, is 400m long.

The North Quay consists of six terminals, all with maximum depths alongside of 14m, except Terminal A0. Terminal A0, which is used for coastal traffic, has a length of 250m and a maximum depth of 10m. Terminal A1, a cruise terminal, has a 365m long berth, and can handle vessels up to 70,000 dwt. Terminals A2 and A3 are multi-purpose, and have lengths of 400m and 350m, respectively, with berths to accommodate vessels carrying sugar and molasses. Terminal A4 is for agri-bulk, with a length of 350m. Terminal A5 is for coal and general cargo and has a length of 225m.

(PUBS 037/02) 48/02

Page 127—Line 9/L; insert after:

Regulations.—There is a VTS to monitor traffic and assist with navigation within the Laem Chabang harbor limits.

(BA NP 286(4)) 48/02

Page 127—Line 32/R; insert after:

The Siam Seaport Terminal has four berths, with a total quayage of 745m. The terminal can handle bulk, break bulk, steel, wood, chemical, and agricultural cargos.

(PUBS 036/02) 48/02

PUB 174 8 Ed 2000 LAST NM 38/02

Page 87; replace with below:

New graphic titled **Sector 8—Chart Information** from back of this Subsection.

(NIMA) 48/02

PUB 180 3 Ed 2002 LAST NM 47/02

Page 67—Lines 23 to 28/L; read:

vessels on a voyage to or from Greenland ports and places of call.

2. **COASTAL CONTROL (KYSTKONTROL)**—For vessels navigating between ports and harbors along the Greenland coast. This system is compulsory for all vessels of 20 grt and over, and all fishing vessels, on a voyage between Greenland ports and places of call. Other vessels are invited to participate in the system. Ships on (PUBS 028/02) 48/02

Page 67—Lines 3 to 4/R; read:

See the Appendix for more information on the format of (NIMA) 48/02

Page 67—Line 11/R to Page 68—Line 10/L; read:

COASTAL CONTROL (KYSTKONTROL)

There are four types of COASTAL CONTROL reports:

1. **Sailing Plan (SP)**.—The SP is sent as a first report upon departure.

2. **Position Report (PR)**.—If the voyage will be over 24 hours in duration, and the vessel is equipped with a radio, a PR will be sent at least once every 24 hours to the Coast Radio Station to which the SP was addressed.

3. **Deviation Report (DR)**.—A DR will be sent to the Coast Radio Station to which the SP was addressed, as follows:

a. If there are any changes to the information given in the SP.

b. If the arrival time increases by more than 1 hour.

4. **Final Report (FR)**.—The FR is sent to the Coast Radio Station to which the SP was addressed immediately upon arrival at the vessel's destination.

The first line of a COASTAL CONTROL message is one of the following:

Type of Report	Format
SP	COASTAL CONTROL/SP//
PR	COASTAL CONTROL/PR//
DR	COASTAL CONTROL/DR//
FR	COASTAL CONTROL/FR//

See the Appendix for more information on the format of COASTAL CONTROL messages.

For the purpose of transmitting COASTAL CONTROL messages, Greenland waters have been divided into a number of control areas, each based on a Coast Radio Station. The limits of these areas are, as follows:

PUB 180 (Continued)

1. Coast Radio Station Ammassalik (OZL)—East coast N of 60°31'N.

2. Coast Radio Station Qaqortoq (OXF)—East coast S of 60°31'N and W coast S of 61°30'N.

3. Coast Radio Station Aaslaat (OYR)—West coast N of 61°30'N.

All reports should be addressed to the appropriate Coast Radio Station. The report shall begin with the word COASTAL CONTROL Reports with this prefix are carried free of charge

(PUBS 028/02) 48/02

Page 69—Line 2; read:

GREENPOS/COASTAL CONTROL (KYSTKONTROL) Message Reporting Format

(PUBS 028/02) 48/02

Page 87—Lines 38 to 39/R; read:

3187 Horten
Norway

3. Via facsimile at 33-03-46-80
(BA NP 58B, Supp. 8/02) 48/02

PUB 192 7 Ed 2000 LAST NM 42/02

Page 24—Line 25/L; read:

breakwaters. Nine conspicuous wind generators stand along the E breakwater, which extends 0.8 mile SSE from the S end of Link End. South Harbor is situated close within the entrance

(BA NP 54) 48/02

Page 40—Lines 47 to 48/L; read:

depth in the channel as far as Hull Roads was reported (1999) to be 6.2m.

(BA NP 54) 48/02

Page 43—Lines 52 to 55/L; read:

and passenger vessels. A covered steel berth is situated at the SE end of King George Dock on the site of a former drydock. It can handle vessels up to 127m in length, 20.1m beam, 7m draft, and 13.5m air draft.

Riverside Terminal 1, a ro-ro jetty, is situated 0.3 mile W of the entrance to King George Dock. It provides a berth for vessels up to 180m in length and 6.5m draft.

(BA NP 54) 48/02

Page 95—Paragraph 15, line 50/L; read:

Route.

(NIMA) 48/02

Page 95—Line 10/R; read:
to Nieuwpoort.

Pilotage.—It is reported (2002) that all boarding of pilots in the roads of the Belgium ports of Nieuwpoort, Oostende, and Zeebrugge has ceased.

All vessels over 80m in length and 2.2m draft bound for a Belgium coastal port, except those with a pilotage exemp-

tion, must embark a pilot at the Wandelaar Pilot Station (51°22.5'N., 2°43.0'E.). For details of the Wandelaar Pilot Station, see Pilotage under Westerschelde (paragraph 6.7).

(20(129)02 Oostende) 48/02

Page 99—Lines 39 to 41/L; read:

2. Vessels with a Netherlands destination, as follows:

a. Vessels over 75m in length and 5.5m draft in the fairway between Schouwenbank Lighted Buoy and Vis-singen Oost.

b. Vessels over 75m in length in all other fairways.

c. All vessels carrying oil, gas, or chemicals (fully loaded, partially loaded, or empty but not gas free).

(BA NP 286) 48/02

COAST PILOT CORRECTIONS**COAST PILOT 2 31 Ed 2001 Change No. 21
LAST NM 45/02**

Page 133—Paragraph 90, lines 3 to 6; read:

in an area of shifting sandbars and is subject to shoaling. In February 2002, the controlling depth in the entrance channel was 6.0 feet.

(CL 1537/02; BPs 178437-38) 48/02

Page 134—Paragraph 100, lines 4 to 8; read:

entrance is protected by jetties. In June 2002, the controlling depths were 4.2 feet (5.8 feet at midchannel) to Buoy 4, thence 6.0 feet at midchannel to the anchorage basin with depths of 4.8 to 6 feet in the basin, except for lesser depths along the edges. In 1993, a submerged obstruction was reported ...

(CL 1676/02; BPs 178730-31) 48/02

Page 137—Paragraph 148, lines 6 to 8; read:

village. In 1981-October 2001, a privately dredged channel, with a reported controlling depth of 4 feet, leads from Cotuit Anchorage to off **Cotuit Highlands**; thence in July 2001, a winding channel, with a depth of 6 feet, ...

(CL 1198/02; NOS 13229) 48/02

Page 169—Paragraph 196, lines 4 to 5; read:

mile. The name of the bridge, type, and clearance follows: Washington Bridge ...

(CL 1515/02; CL 509/02; CL 1716/01; BP 176927)

48/02

Page 274—Paragraph 195; strike out.

(CL 1262/02; NOS 12402;

CL 1864/02; BP 179080)

48/02

Page 279—Paragraph 264, line 6 to Paragraph 265, line 4; read:

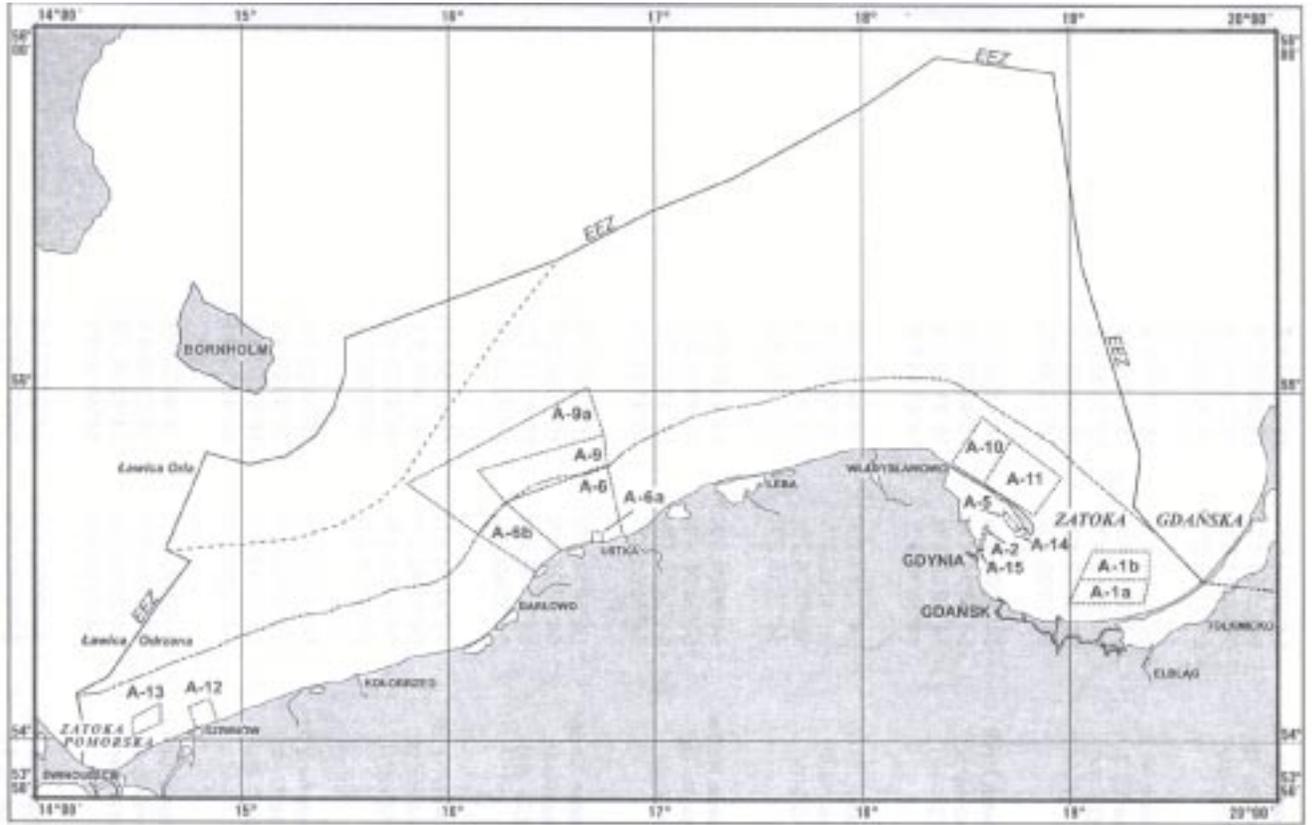
In May 2002, the dredged channel had a controlling depth of 5.0 feet (6.3 feet at midchannel).

Matawan Creek, entered at the head of Keyport Harbor, is used mostly by local craft. In May 2002, the controlling depth was 3.6 feet to the first highway bridge, thence 2.3 feet

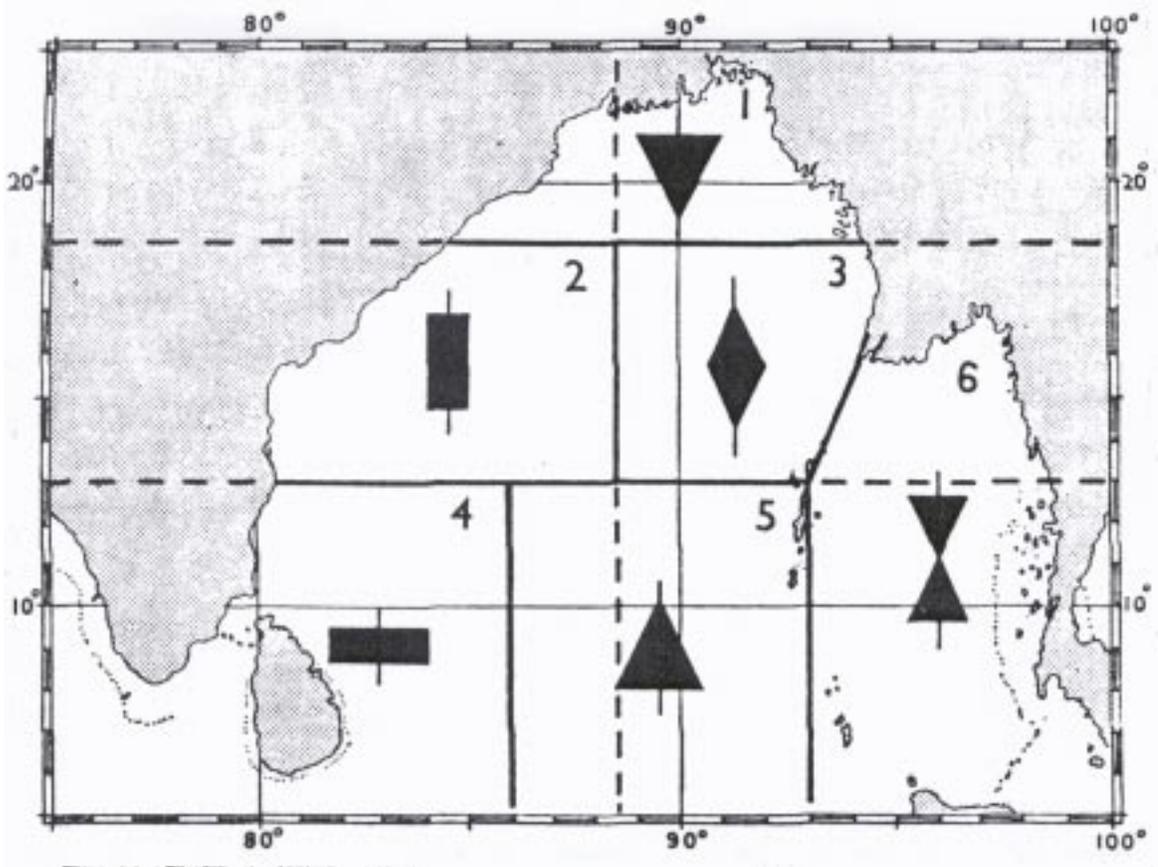
COAST PILOT 2 (Continued)

to the Route 35 highway bridge, thence in 1981, 2 ...
(CL 1317/02; BPs 178164-67)

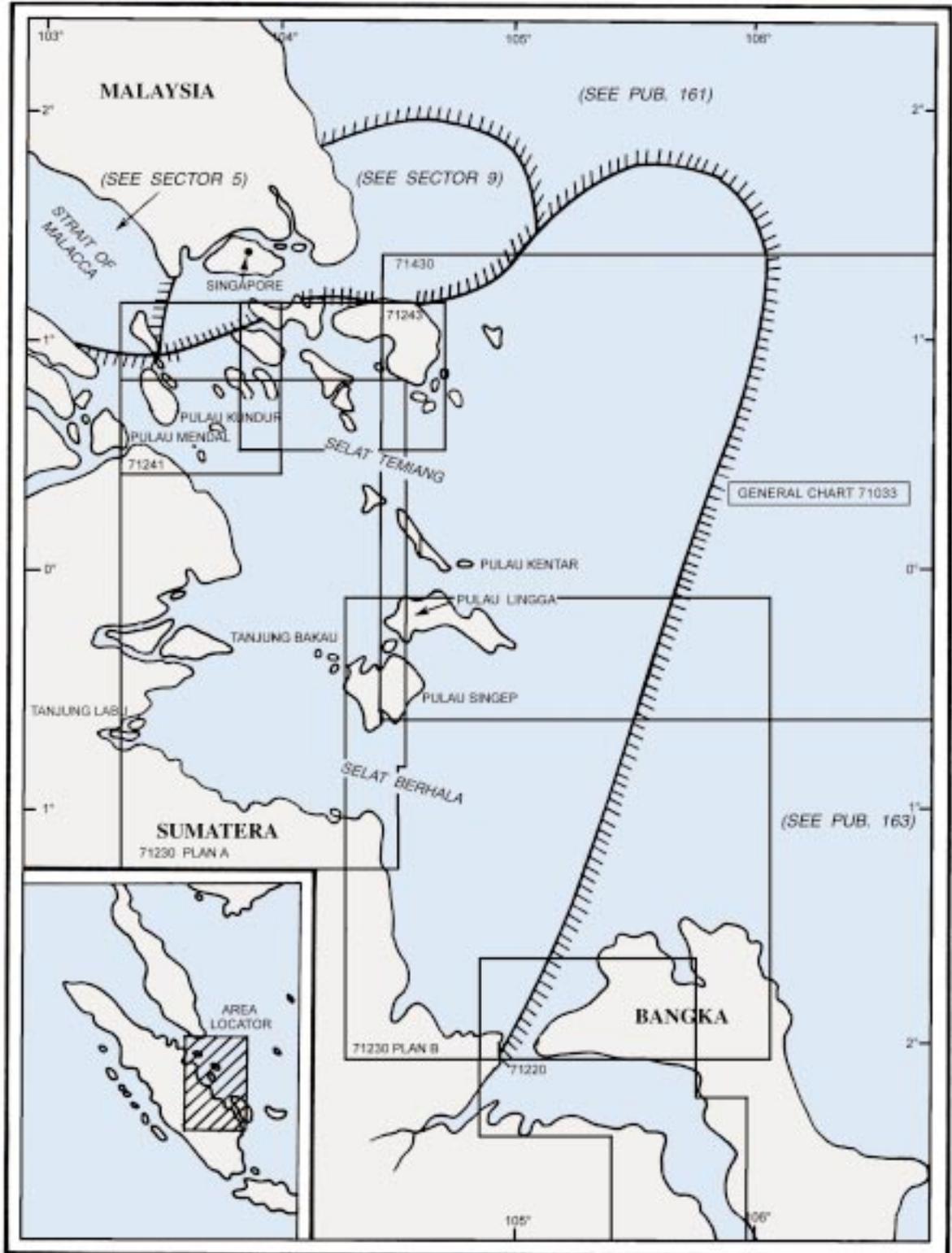
48/02



PUB 140



PUB 160



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
200	Whaleback Light	43 03 30 N 70 41 48 W	FI (2) W 10s 0.1s fl 1.4s ec. 0.1s fl 8.4s ec.	59	18	Gray conical tower. 75	Emergency light of reduced intensity when main light is extinguished. HORN: 2 blasts ev 30s (2s bl-2s si-2s bl-24s si).
					*		48/02
420	<i>Boston Approach Lighted Buoy BF (NOAA 44013)</i>	42 21 12 N 70 41 30 W	FI (4) Y 20s 0.5s fl 2s ec. 0.5s fl 2s ec. 0.5s fl 2s ec. 0.5s fl 12s ec.		6	Yellow.	
	*						48/02
*665	<i>NOAA Data Lighted Buoy 44017</i>	40 42 00 N 72 00 01 W	FI (4) Y 20s		4	Yellow.	
							48/02
10425	<i>Fifteen-foot Rock Lighted Bell Buoy FR</i>	42 30 12 N 70 49 06 W	FI (2+1) R 6s		5	Red and green bands.	
	*						48/02
Round Cove Aquaculture							
17030	<i>Round Cove Aquaculture Lighted Buoy NW</i>	41 36 34 N 70 50 38 W	Q Y			Yellow can.	Replaced by unlighted buoy from Oct. 1 to May 1. Private aid.
	*		*				* 48/02
17035	<i>Round Cove Aquaculture Lighted Buoy NE</i>	41 36 48 N 70 50 25 W	Q Y			Yellow sphere.	Replaced with unlighted buoy from Oct. 1 to May 1. Private aid.
	*						48/02
17040	<i>Round Cove Aquaculture Lighted Buoy SE</i>	41 36 40 N 70 50 14 W	Q Y			Yellow.	Private aid.
	*						48/02
17045	<i>Round Cove Aquaculture Lighted Buoy SW</i>	41 36 30 N 70 50 26 W				Yellow can.	Private aid.
	*						48/02
18380	- Entrance Buoy 5					Green can.	
	*						48/02
Pawtuxet Cove							
18465	- Channel Approach Buoy 1	41 45 36 N 71 22 48 W				Green can.	
	*						48/02
21150	Horton Point Light	41 05 06 N 72 26 44 W	FIG 10s	103	14	White square tower, dwelling attached.	
		*					48/02

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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
LONG ISLAND SOUND (Eastern Part) (Chart 12354)							
South Side							
Mattituck Inlet							
21650	- BREAKWATER LIGHT MI	41 00 55 N 72 33 40 W	FI W 4s	25	6	NR on skeleton tower.	
		*					48/02

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
320	<i>Quinby Inlet Lighted</i>	37 28 06 N	Mo (A) W		5	Red and white stripes with spherical topmark.	
6700	<i>Whistle Buoy Q</i>	75 36 05 W				*	48/02
635	<i>NOAA Data Lighted Buoy 41001 (ODAS)</i>	34 40 30 N 72 13 00 W	FI (4) Y 20s			Yellow boat-shaped hull.	48/02
		*					48/02
*Delete Heading: *CAPE HATTERAS TO LITTLE RIVER INLET (Chart 11520)							
785	<i>Onslow Bay Lighted Buoy 4</i>						<i>Remove from list.</i>
							* 48/02
*Add Heading: *CAPE HATTERAS TO LITTLE RIVER INLET (Chart 11520)							
790	<i>New River Inlet Lighted Whistle Buoy NR</i>	34 31 08 N 77 19 21 W	Mo (A) W		6	Red and white stripes with red spherical topmark.	48/02
2230	Joe Flogger Shoal Buoy J	39 04 10 N 75 12 23 W				Green and red bands; can.	48/02
		*					48/02
4735	<i>- Entrance Lighted Buoy 4</i>	38 19 24 N 75 04 36 W	FI R 4s		3	Red.	48/02
		*					48/02
4740	<i>- Entrance Lighted Buoy 5</i>	38 19 22 N 75 05 02 W	FI G 4s		4	Green.	48/02
		*					48/02
FENWICK ISLAND TO CHINCOTEAGUE INLET (Chart 12211)							
Chincoteague Inlet							
<i>Due to frequently changing conditions, positions of buoys are not listed.</i>							
5270	<i>- Lighted Whistle Buoy CI</i>		Mo (A) W		5	Red and white stripes with red spherical topmark.	48/02
						*	48/02

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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
5775	- Buoy 56						<i>Remove from list.</i>
							* 48/02
Quinby Inlet							
<i>Position of buoys frequently shifted with changing conditions.</i>							
6700 320	- Lighted Whistle Buoy Q	37 28 06 N 75 36 05 W	Mo (A) W		5	Red and white stripes with red spherical topmark.	
						*	48/02
16935	- LIGHT 6	38 10 44 N 76 32 35 W	FIR 4s	16	3	TR on multi-pile structure.	Light equipment removed from Dec. 1 to Mar. 15.
		*				*	48/02
22850	BROAD CREEK NORTH ENTRANCE LIGHT 1	37 57 10 N 75 51 55 W	FIG 2.5s	15	3	SG on pile.	
		*		*			48/02
23005	- Buoy 5					Green can.	
	*					*	48/02
23010	- Buoy 7					Green can.	
	*					*	48/02
*29253	- Buoy 30					Red nun.	
							48/02
29255	- Warning Daybeacon A					NW on pile worded DANGER SHOALING.	
	*					*	48/02
*29731	- Buoy 11B					Green can.	
							48/02
34245	- LIGHT 2		FIR 4s	14	4	TR on pile.	
						*	48/02
*Add Heading: *North River							
*34748	- Daybeacon 1NR	34 42 21 N 76 36 50 W				SG on pile.	
							48/02
*Delete Heading: *North River							
34750	- Daybeacon 2	34 42 22 N 76 36 37 W				TR on pile.	
							48/02

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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
Taylor Creek							
34780	- Buoy 1TC	34 42 20 N 76 36 59 W				Green can.	
	*	*				*	48/02
38215	- LIGHT 21		Q G	15	4	SG-SY on pile.	
				*	*		48/02

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
St. Lucie Inlet							
10125	- Buoy 5	27 09 59 N 80 09 12 W				Green can.	
		*					48/02
Hillsboro Inlet							
10290	- ENTRANCE LIGHT 1	26 15 22 N 80 04 49 W	FI G 4s	8	4	SG on dolphin.	
		*					48/02
22355	- RANGE FRONT LIGHT	27 36 48 N 82 39 54 W	Q W	22		KRW on skeleton tower on piles.	Visible all around; higher intensity on rangeline.
							* 48/02
22360	- RANGE REAR LIGHT 1,299 yards, 081° from front light.		Iso W 6s FI W 4s	76 19	5	KRW on skeleton tower.	Visible 1.5° each side of rangeline. Passing light visible all around.
							* 48/02

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
8750	- Daybeacon 3 60 feet outside channel limit.					SG on pile.	Ra ref.
							* 48/02
13985	BONNET CARRE GAGE LIGHT LDB mile 128.0.						<i>Remove from list.</i>
							* 48/02

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
217	NOAA Environmental Lighted Buoy 46062(ODAS)	35 06 03 N 121 00 36 W	FI (4) Y 20s			Yellow disk-shaped buoy.	
		*					48/02
9075	MARSHFIELD RANGE FRONT LIGHT	43 22 35 N 124 12 26 W	Q G	14		KRB on tower.	
		*					48/02
9080	MARSHFIELD RANGE REAR LIGHT 237 yards, 018.5° from front light.		Iso G 6s	36		KRB on tower.	
	*						48/02
10085	ASTORIA-POINT ELLICE BRIDGE RACON	46 11 36 N 123 51 04 W				On center span of highway bridge.	RACON: T(-). Private aid.
	*	*					* 48/02
10816	- RACON	46 06 19 N 122 57 31 W				On center span of highway bridge.	RACON: T(-). Private aid.
	*	*					* 48/02
13027	UNION PACIFIC RAILROAD RACON	46 10 42 N 119 01 06 W				On center span of railroad bridge.	Racon: T (-). Racon will respond to radar only when bridge is in open position. Private aid.
	*						* 48/02

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
*Add Heading and Note: *R. E. Ginna Nuclear Security Zone							
*Buoys maintained from Apr. 15 to Nov. 15.							
*2271	- No Entry Buoy A	43 16 57 N 77 18 54 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Replaced by spar from Nov. 1 to Apr. 15. Private aid.
							48/02
*2271.1	- No Entry Buoy B	43 17 08 N 77 18 54 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Replaced by spar from Nov. 1 to Apr. 15. Private aid.
							48/02
*2271.2	- No Entry Buoy C	43 17 18 N 77 18 54 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Replaced by spar from Nov. 1 to Apr. 15. Private aid.
							48/02
*2271.3	- No Entry Buoy D	43 17 18 N 77 18 42 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Replaced by spar from Nov. 1 to Apr. 15. Private aid.
							48/02

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*2271.4	- No Entry Buoy E	43 17 18 N 77 18 30 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Replaced by spar from Nov. 1 to Apr. 15. Private aid. 48/02
*2271.5	- No Entry Buoy F	43 17 18 N 77 18 18 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Replaced by spar from Nov. 1 to Apr. 15. Private aid. 48/02
*2271.6	- No Entry Buoy G	43 17 08 N 77 18 18 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Replaced by spar from Nov. 1 to Apr. 15. Private aid. 48/02
*2271.7	- No Entry Buoy H	43 16 57 N 77 18 18 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Replaced by spar from Nov. 1 to Apr. 15. Private aid. 48/02
*2271.8	- No Entry Buoy I	43 16 47 N 77 18 18 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Replaced by spar from Nov. 1 to Apr. 15. Private aid. 48/02
	*Add Heading: *Pultneyville Entrance						
2275	WEBSTER PARK BREAKWATER LIGHT 1	43 15 48 N 77 27 00 W	FIG 6s	20		On post on jetty.	Maintained from May 1 to Oct. 15. Private aid. 48/02
	*Add Note: Taconite Harbor						
	*Buoys maintained from Apr. 1 to Dec. 31.						
16585	- West Entrance Lighted Buoy 1 *		FIG 4s			Green.	Private aid. * 48/02
16590	- West Entrance Lighted Buoy 2		FIR 4s			Red.	Private aid. * 48/02
16595	- RANGE FRONT LIGHT		F G	86 26		On tower. 86	Visible 2° each side of centerline of channel. Private aid. * 48/02
16600	- RANGE REAR LIGHT 1,550 feet, 028° from front light.		F G	154 47		On tower. 50	Visible 2° each side of centerline of channel. Private aid. * 48/02

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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
*16604	- HARBOR OF REFUGE SOUTH BREAKWATER LIGHT	47 31 14 N 90 55 28 W	Iso W 4s	22 7		NW on tower worded CAUTION.	Private aid. Ra ref. 48/02
*16606	- HARBOR OF REFUGE INNER LIGHT	47 31 17 N 90 55 25 W	Q R	17 5		TR on tower.	Visible from 284° to 336°. Private aid. 48/02
16610	- WEST ENTRANCE LIGHT 4		F I R 4s	24 7		On tower. 12	Private aid. * 48/02
<p>*Add Heading and Note: *Palisades Nuclear Security Zone</p> <p>*Buoys maintained from Apr. 15 to Nov. 1.</p>							
*19511	- No Entry Buoy A	42 19 12 N 86 19 21 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Replaced by spar from Nov. 1 to Apr. 15. Private aid. 48/02
*19511.1	- No Entry Buoy B	42 19 17 N 86 19 37 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Replaced by spar from Nov. 1 to Apr. 15. Private aid. 48/02
*19511.2	- No Entry Buoy C	42 19 22 N 86 19 54 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Replaced by spar from Nov. 1 to Apr. 15. Private aid. 48/02
*19511.3	- No Entry Buoy D	42 19 33 N 86 19 48 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Replaced by spar from Nov. 1 to Apr. 15. Private aid. 48/02
*19511.4	- No Entry Buoy E	42 19 44 N 86 19 42 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Replaced by spar from Nov. 1 to Apr. 15. Private aid. 48/02
*19511.5	- No Entry Buoy F	42 19 35 N 86 19 07 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Replaced by spar form Nov. 1 to Apr. 15. Private aid. 48/02
*19511.6	- No Entry Buoy G	42 19 35 N 86 19 07 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Replaced by spar from Nov. 1 to Apr. 15. Private aid. 48/02
<p>*Add Heading and Note: *Donald S. Cook Nuclear Security Zone</p> <p>*Buoys maintained from Apr. 1 to Nov. 15</p>							
*19534	- No Entry Buoy A	41 58 32 N 86 34 19 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Replaced by spar from Nov. 1 to Apr. 15. Private aid. 48/02

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SECTION II

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*19534.1	- No Entry Buoy B	41 58 35 N 86 34 35 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Replaced by spar from Nov. 1 to Apr. 15. Private aid. 48/02
*19534.2	- No Entry Buoy C	41 58 40 N 86 34 34 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Replaced by spar from Nov. 1 to Apr. 15. Private aid. 48/02
*19534.3	- No Entry Buoy D	41 58 46 N 86 34 32 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Replaced by spar from Nov. 1 to Apr. 15. Private aid. 48/02
*19534.4	- No Entry Buoy E	41 58 43 N 86 34 15 W				White can with orange bands and exclusion symbol worded NO ENTRY.	Replaced by spar from Nov. 1 to Apr. 15. Private aid. 48/02
20745	- MUNICIPAL PIER RANGE FRONT LIGHT						<i>Remove from list.</i> * 48/02
20750	- MUNICIPAL PIER RANGE REAR LIGHT 150 feet, 295° from front light.						<i>Remove from list.</i> * 48/02
<p>*Delete Heading and Note: *Fox Point Boat Launch Channel</p> <p><i>*Channel marked with 4 unlighted buoys maintained from Apr. 15 to Nov. 1.</i></p>							
22340	- Buoy 1						<i>Remove from list.</i> * 48/02
<p>*Delete Heading: *Green Bay City</p> <p><i>Due to siltting, all buoys in the Fox River and Lake Winnebago may be relocated without prior notice to mark the best channel.</i></p>							
22345	- Buoy 22					Red nun.	Maintained from May 14 to Oct. 14. 48/02

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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
14660 <i>G 3564.2</i>	Isla Santa Cruz.	25° 15.7' N 110° 44.2' W	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	39 12	10	Truncated pyramidal metal tower; 30.	48/02
					*		
14664 <i>G 3564</i>	Isla Santa Catalina.	25° 35.5' N 110° 47.1' W	Fl.(3)W. period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	220 67	10	White truncated pyramidal metal tower; 33.	48/02
					*		
14668 <i>G 3563.85</i>	Isla Monserrat.	25° 38.5' N 111° 03.0' W	Fl.(4)W. period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	66 20	10	Truncated pyramidal metal tower; 33.	48/02
					*		
14669 <i>G 3563.83</i>	Isla Las Galeras, N.	25° 44.2' N 111° 03.0' W	Fl.W. period 6s fl. 1s, ec. 5s	56 17	9	Truncated pyramidal metal tower; 30.	48/02
					*		
14670 <i>G 3563.8</i>	Punta Candeleros.	25° 43.6' N 111° 13.5' W	Fl.W. period 6s fl. 1s, ec. 5s	26 8	9	White round concrete tower, red bands; 23.	48/02
				*	*	*	
14673 <i>G 3563.7</i>	-S.	25° 45.7' N 111° 15.0' W	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	30 9	9	Truncated pyramidal metal tower; 25.	48/02
					*		
14680 <i>G 3563.52</i>	Isla del Carmen.	25° 49.6' N 111° 14.3' W	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	39 12	10	Truncated pyramidal metal tower; 33.	48/02
					*		
14684 <i>G 3563.5</i>	Punta Coyote.	25° 48.5' N 111° 18.3' W	Fl.W. period 6s fl. 1s, ec. 5s	26 8	8	Truncated pyramidal metal tower; 23.	48/02
					*		
14685 <i>G 3563.58</i>	Punta Lobos.	26° 04.1' N 111° 05.0' W	Fl.(4)W. period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 10	10	Round concrete tower; 39.	48/02
					*	*	

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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
14686 <i>G 3563.6</i>	Punta Cholla.	26° 02.0' N 111° 10.7' W	Fl.W. period 6s fl. 1s, ec. 5s	39 12	10	Truncated pyramidal metal tower; 33.	48/02
					*		
14688 <i>G 3563</i>	Port Loreto, E. of Loreto.	26° 00.6' N 111° 20.8' W	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	39 12	10	Truncated pyramidal aluminum tower; 39.	48/02
					*		
14692 <i>G 3562.7</i>	Isla Coronados.	26° 06.3' N 111° 16.3' W	Fl.(3)W. period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	121 37	10	Truncated pyramidal metal tower; 41.	48/02
					*		
14694 <i>G 3562.5</i>	Isla San Ildefonso.	26° 37.9' N 111° 26.5' W	Fl.(4)W. period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	56 17	9	Truncated pyramidal metal tower; 25.	48/02
					*		
14695 <i>G 3562.45</i>	Punta Santa Teresa.	26° 41.0' N 111° 34.0' W	Fl.(3)W. period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	52 16	9	Truncated pyramidal metal tower; 25.	48/02
					*		
14696 <i>G 3562</i>	Muleje, on El Sombrerito Point.	26° 53.9' N 111° 58.1' W	Fl.(4)W. period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	138 42	10	White round concrete tower; 39. Visible 181°-273°.	48/02
						*	
14697 <i>G 3562.2</i>	Punta Agujas.	26° 52.0' N 111° 52.0' W	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	56 17	10	Truncated pyramidal metal tower; 49.	48/02
					*		
14700 <i>G 3562.4</i>	Bahia Concepcion.	26° 44.7' N 111° 52.5' W	Fl.W. period 6s fl. 1s, ec. 5s	92 28	10	White round tower, red bands.	48/02
					*	*	
14701 <i>G 3561</i>	Punta St. Ines.	27° 03.8' N 111° 57.8' W	Fl.W. period 6s fl. 1s, ec. 5s	52 16	10	Truncated pyramidal metal tower; 49.	48/02
					*		

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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
14702 <i>G 3561.4</i>	St. Ines Islands, N.	27° 02.6' N 111° 55.2' W	Fl.(2)W. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	52 16	10	Truncated pyramidal metal tower; 49.	
					*		48/02
14703 <i>G 3561.8</i>	-S.	27° 01.6' N 111° 55.6' W	Fl.(3)W. period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	52 16	10	Truncated pyramidal metal tower; 49.	
					*		48/02
14704 <i>G 3558</i>	Isla San Marcos.	27° 12.1' N 112° 06.2' W	Fl.(3)W. period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	26 8	10	Truncated pyramidal metal tower; 23.	
					*		48/02
14705 <i>G 3560</i>	Punta Chivato.	27° 05.5' N 111° 58.3' W	Fl.(4)W. period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	59 18	10	Truncated pyramidal metal tower; 49.	
					*		48/02
14708 <i>G 3553</i>	Isla Tortugas.	27° 27.3' N 111° 53.9' W	Fl.(3)W. period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	105 32	10	Truncated pyramidal metal tower; 30.	
					*		48/02

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
542 <i>F 6814.3</i>	-W. head.	42° 59.3' N 144° 18.7' E	Fl.R. period 3s	49 15	9	Red tower; 33.	
		*		*		*	48/02
2084 <i>F 7321.4</i>	-Nagu Saki.	36° 12.7' N 133° 11.1' E	Fl.W. period 5s	151 46	7	White round concrete tower; 39.	
	*	*	*		*		48/02
2640 <i>F 7243.7</i>	Echizen Sirahama Ko, No. "1", breakwater.	35° 54.1' N 135° 59.8' E	Fl.(2)G. period 6s	33 10	4	White round concrete tower; 31.	
		*	*		*		48/02
3244 <i>F 7104.7</i>	Mano Wan.	37° 59.7' N 138° 14.0' E	Fl.R. period 3s	42 13	3	Red tower; 31.	
		*			*		48/02

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 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
16776 <i>F 4352</i>	Tongdu-mal.	34° 59.4' N 128° 49.7' E	Fl.W. period 12s	344 105	21	White octagonal concrete tower; 133.	Visible 223°-137°. Siren: 1 bl. ev. 55s.
	*	*		*		*	48/02
16815.5 <i>F 4348.9</i>	---W. end.	35° 12.1' N 128° 34.7' E	Fl.R. period 4s	30 9	8	White round fiberglass tower; 25.	
		*			*		48/02
16816 <i>F 4348</i>	Maggae Do.	35° 08.3' N 128° 36.0' E	Fl.W. period 4s	65 20	10	White round concrete tower; 34.	
		*			*		48/02
*16929.9	Yepo Hang, breakwater.	34° 56.4' N 128° 25.6' E	Fl.G. period 4s	36 11	5	White round concrete tower; 27.	
							48/02
*16953	Tongeyoung, breakwater.	34° 51.4' N 128° 23.0' E	Fl.R. period 6s	36 11	5	Red round concrete tower; 27.	
							48/02
*17200.8 <i>F 4310.82</i>	Kwangyang Passage III.	34° 52.9' N 127° 45.6' E	Fl.(2)R. period 6s	59 18	6	Red round concrete tower; 78.	
							48/02
17298 <i>F 4299.2</i>	Nokdong Hang, N. breakwater.	34° 31.5' N 127° 07.5' E	Fl.(2)G. period 6s	39 12	5	White octagonal concrete tower; 27.	
			*	*		*	48/02
17299 <i>F 4299.4</i>	---N. detached breakwater.	34° 31.4' N 127° 07.4' E	Fl.(2)R. period 6s	36 11	5	Red octagonal concrete tower; 26.	
			*	*		*	48/02
*18051 <i>F 4149.1</i>	Dohang Sudo.	37° 13.8' N 126° 10.2' E	Fl.(2)R. period 6s	49 15	5	Red round concrete tower; 52.	
							48/02
*18694	Huandao, <i>Buoy No. "31"</i> .	36° 01.9' N 120° 15.4' E	Q.R.			PORT (A) R, pillar, topmark.	
	RACON		M(- -)				48/02
19816 <i>F 3472</i>	Jinsuo Pai.						<i>Remove from list.</i>
							* 48/02
23284 <i>F 1263</i>	Ujung Karang.	1° 44.0' N 98° 42.0' E	Fl.(3)W. period 17s fl. 0.5s, ec. 3s fl. 0.5s, ec. 3s fl. 0.5s, ec. 9.5s	134 41	17	White metal framework structure; 131.	
	*	*	*		*		48/02

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 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
*25156.5 <i>F 2071</i>	Likupang.	1° 40.6' N 125° 03.5' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	33 10	11	White beacon.	48/02
KHAWR 'ABD ALLAH:							
29143 <i>D 7604.4</i>	-Khawr Al Qayd, "N23".	29° 45.8' N 48° 27.0' E	Fl.(3)G. period 5s	10 3	5	STARBOARD (A) G, beacon.	48/02
*							
29143.1 <i>D 7604.5</i>	- "N21".	29° 47.6' N 48° 25.6' E	Fl.(2)G. period 5s	10 3	5	STARBOARD (A) G, beacon.	48/02
*							

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
868 <i>D 1090</i>	-Near beach Range, front.	47° 18.0' N 2° 30.9' W	Dir.Q.W.	33 10	19	White framework tower, orange daymark; 39.	Intensified 154°-158°.
*							
872 <i>D 1090.1</i>	-Rear, 116 meters 156° from front.	47° 17.9' N 2° 30.9' W	Dir.Q.W.	46 14	19	Framework tower, green and white bands, orange daymark; 49.	Intensified 154°-158°. Synchronized with front. Two Q.G. lights in range 174° shown inside entrance.
*							
15600 <i>E 4200</i>	-Akra Katafiyi.	37° 40.3' N 23° 56.3' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	56 17	4	Metal column on white hut.	48/02
*							
15604 <i>E 4202</i>	-Nisis Patroklou Gaidouronisis, N. side.	37° 39.4' N 23° 57.5' E	L.Fl.W. period 10s fl. 2s, ec. 8s	23 7	6	Metal column on white hut.	48/02
*							
*23873 <i>D 2822.45</i>	-Darsena de Anaga, NE. corner.	28° 28.3' N 16° 14.6' W	Fl.Y. period 5s fl. 5s, ec. 4.5s	30 9	1	Yellow conical tower; 13.	Synchronized with 23874.
*							
*23874 <i>D 2822.46</i>	-NW. corner.	28° 28.3' N 16° 14.7' W	Fl.Y. period 5s fl. 5s, ec. 4.5s	30 9	1	Yellow conical tower; 13.	Synchronized with 23873.
*							

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

CORRECTIONS TO 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
3228 <i>A 3676</i>	Copinsay.	58° 53.8' N 2° 40.2' W	Fl.(5)W. period 30s fl. 0.7s, ec. 2.5s fl. 0.7s, ec. 2.5s fl. 0.7s, ec. 2.5s fl. 0.7s, ec. 2.5s fl. 0.7s, ec. 16.5s	259 79	21	White tower; 52.	* 48/02
3316 <i>A 3756</i>	-Skroo.	59° 33.2' N 1° 36.5' W	Fl.(2)W. period 30s fl. 0.6s, ec. 2s fl. 0.6s, ec. 26.8s	262 80	22	White tower; 46.	Visible 086°42'-358°. * 48/02

CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
8596 <i>C 6878</i>	-Flaskohallen.	58° 34.6' N 16° 51.2' E	Fl.(3)G. period 9s	15 5	3	White hut, green band, on black base.	Visible 355°-155°. * 48/02
9344 <i>C 6404</i>	-Stenkobbsgrund.	59° 25.8' N 18° 57.1' E	Fl.(2)W.R.G. period 6s	41 12	W. 8 R. 6 G. 5	White tower, green band; 44.	G. (unintensified) 129°-204°, G.-221°48', W.-224°30', R.-235°, R. (unintensified)-265°, R.-305°, G. (unintensified)-047°, G.-052°, W.-062°, R.-078°, R. (unintensified)-129°. * 48/02
9348 <i>C 6402</i>	-Morsken Rock.	59° 30.9' N 19° 05.4' E	Fl.(3)W.R.G. period 8s	36 11	W. 7 R. 5 G. 4	Red square on white cairn.	W. 067°-219°, R.-231°, G.-273°, W.-353°, G.-020°42', W.-038°06', R.-067°. * 48/02
9352 <i>C 6399</i>	-Hundsarsknöv Rock.	59° 35.9' N 19° 07.6' E	Fl.W.R.G. period 3s	29 9	W. 8 R. 6 G. 5	White tower, red band; 24.	G. 180°-196°, W.-199°, R.-209°, R. (unintensified)-262°, G. (unintensified)-353°, G.-001°, W.-003°, R.-040°, G.-052°, G. (unintensified)-097°, G.-107°, R.-117°, R. (unintensified)-180°. * 48/02
9364 <i>C 6398</i>	-Arskobben.	59° 39.7' N 19° 09.7' E	Q.W.R.G.	18 5	W. 7 R. 5 G. 5	White structure, red band.	G. shore-194°, W.-007°06', R.-shore. * 48/02
*10123.6 <i>C 6308</i>	-Guldholmen.	60° 07.7' N 18° 34.0' E	Q.R.G.	13 4	R. 4 G. 3	White structure.	G. shore-232°, R.-shore. 48/02
10124 <i>C 6307</i>	-Ormosundshallen.	60° 08.5' N 18° 32.9' E	Q.R.G.	16 5	R. 4 G. 3	White hut, red band.	G. 270°-055°, R.-180°. Shown from July 6 to June 6. * 48/02

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 PUB 116, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
10132 <i>C 6302</i>	Ormosundet Norra.	60° 09.0' N 18° 32.0' E	F.I.W.R.G. period 3s	13 4	W. 7 R. 5 G. 4	White hut, green band. Floodlit.	G. (unintensified) 161°30'-191°, G.-201°, W.-212°, R.-239°, R. (unintensified)-shore. Shown from July 6 to June 6.
							* 48/02
11292 <i>C 5855</i>	Norrjarden Inner Range, front.	63° 51.8' N 20° 43.8' E	Q.G.	21 6		13 White triangular daymark, point up, black border.	Shown from July 20 to May 20.
		*					48/02
11296 <i>C 5855.1</i>	-Rear, 55 meters 309° from front.	63° 51.8' N 20° 43.8' E	F.I.G. period 2s	31 9		13 White triangular daymark, point down, black border.	
	*	*					48/02

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

NM 48/02

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS THROUGH NM 48/02

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.
NIMA HYDRO CATALOG CATP2V01U			SAILING DIRECTIONS			SDPUB183	2001	27/01*;13,15,16/02
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;1,2,3,5,6,7,8,9,10,12,13,15,18,19,20,21,22,23,26,28,30,31,34,35,36,37,38,39,41,42,43,45,46,47,48/02	SDPUB120	2001	12*,18,48,49,51/01;8,13,14,21,22,24,29,33,35,37,42,43,44,45,47/02	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;10,14,15,16,17,42/02
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	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 3	2000	34*,44,48/00;21,40/01;17,19,40/02	SDPUB124	2001	18*,44,45,47,48,49,52/01;17,19,20,21,29,30,31,34,46/02	SDPUB193	2000	27*,38,49/00;9,26,27,31,32/01;14,15,26/02
Region 4	2000	34/00*;3/01;13,20/02	SDPUB125	2000	6*,9,10,20,21,40/00;36,37,45,46/01;14,17,33,35,38,40/02	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
Region 5	2000	34*,37,40,42,47/00;2,3,4,17,20,21,29,40,41,45/01;6,8,13,14,19,22,29,44,46,48/02	SDPUB126	2002	39*,41,42,43,44,45,48/02	SDPUB195	2002	33*,40/02
Region 6	2000	34*,35,45,52/00;2,14,29,36,41,46,51/01;12,14,15,17,19,26/02	SDPUB127	2000	37*,38/00;18,33,40,44,45,48,49,52/01;1,11,13,17,18,27,33,34,37,41,47/02	SDPUB200	2002	38*,39,42/02
Region 7	2000	34/00*;2,10,35,41/01;18,25,46/02	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	USCG LIGHT LIST VOLUMES I - VII		
Region 8	2000	34/00*;1,38/02	SDPUB132	2000	39*,45/00;16,17,31,35/01;1,12,21,25,26/02	COMDTM165021	2002	30*,31,32,33,34,35,36,37,39,40,41,42,43,44,45,46,47,48/02
Region 9	2000	34/00*;23,41,48/01;13,15,18,19,21,23,44/02	SDPUB140	2001	21*,48,49,51/01;8,17,23,32,42,43,44,46,47,48/02	COMDTM165022	2002	16*,17,18,19,20,21,22,23,25,26,27,28,29,30,31,32,33,34,35,36,37,40,41,42,43,44,45,46,47,48/02
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;1,2,3,4,5,8,9,12,13,14,16,17,18,19,20,22,23,24,26,27,28,29,30,31,32,33,34,35,36,38,39,40,41,42,44,45,46,47,48/02	SDPUB141	2001	21*,38/01	COMDTM165023	2002	35*,36,37,40,41,42,43,44,45,46,47,48/02
			SDPUB142	2000	49/00*;3,31,35/01;1,15,43/02	COMDTM165024	2002	30*,31,32,33,34,35,36,37,40,41,42,43,45,46,47,48/02
			SDPUB143	2000	8*,10,19,29/00;16,26/01;1,25/02	COMDTM165025	2002	16/02*
			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	COMDTM165026	2002	35*,36,40,41,42,43,44,45,46,47,48/02
			SDPUB146	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*,17,18,19,20,21,22,23,25,27,29,30,32,33,34,36,37,40,43,45,46,47,48/02
			SDPUB147	2001	35/01*;21,22,23,24/02	FLEET GUIDES		
			SDPUB148	2001	48/01*;23,24/02	FGPUB940ATL	2001	N47/01*
			SDPUB153	2000	6/01*;28,30,41,44,46,47,48/02	FGPUB941PAC	2001	N22/01*
			SDPUB154	2002	17*,19,31,42,44,45,46,48/02	NOS MISCELLANEOUS PUBLICATIONS		
			SDPUB155	2001	31*,48/01;10,45,46/02	NOSBPCATALOG1	2000	20/00*
			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	NOSBPCATALOG2	2000	34/00*
			SDPUB158	2000	50/00*;5,10,12,13,15,17,20,24/01;46/02	NOSBPCATALOG3	2000	28/00*
			SDPUB159	2002	42*,48/02	NOSBPCATALOG4	2000	34/00*
			SDPUB160	2002	47*,48/02	ALMANACS		
			SDPUB161	2002	23*,24,44,47,48/02	AIRALMANAC301	2003	44/02*
			SDPUB162	2001	51/01*	NAUTALMANAC03	2003	44/02*
			SDPUB163	2002	18*,20,21,26,46/02	COAST PILOT		
			SDPUB164	2000	30/00*;31,35,36/01	NOSBPCP1	32	37*,39,41,47,51/01;1,5,7,13,18,33,37,39,42,45/02
			SDPUB171	2001	40*,47,48,52/01;5,9,14,16,41/02	NOSBPCP2	31	44*,47,51,52/01;5,7,12,13,18,23,33,37,39,42,45,48/02
			SDPUB172	2001	1*,2,3,5,6,7,8,9,14,15,16,17,18,19,20,22,24/02	NOSBPCP3	35	3*,5,7,12,15,17,18,21,22,27,28,33,37,42,45/02
			SDPUB173	2000	8*,10,17,29/00;43,45,51,52/01;13,14,17,22,24,26,27,31/02	NOSBPCP4	33	35*,37,39,41,47,51/01;1,5,7,12,15,16,18,19,20,21,22,23,25,27,28,30,33,34,42/02
			SDPUB174	2000	7*,19,37,45,51,52/01;1,5,14,19,22,28,33,37,38,48/02	NOSBPCP5	29	49*,51/01;1,6,12,13,15,16,17,20,21,33,34,37,39,42,47/02
			SDPUB175	2001	41*,43,45,51/01;8,11,12,13,14,16,17,21,27,37,41/02	NOSBPCP6	32	19*,20,21,33,39,45,47/02
			SDPUB180	2002	32*,33,42,47,48/02			
			SDPUB181	2002	38*,39/02			
			SDPUB182	2001	8*,10,12,41/02			
NIMA LIST OF LIGHTS								
LLPUB110	2002	8*,12,13,14,15,16,17,18,19,20,21,23,24,26,27,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,47/02						
LLPUB111	2002	35*,36,37,38,39,40,41,42,43,44,45,46,47,48/02						
LLPUB112	2001	5*,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48/02						
LLPUB113	2002	45*,47,48/02						
LLPUB114	2002	13*,15,16,17,19,20,21,22,23,24,31,32,34,35,36,38,39,40,41,43,45,46,47,48/02						
LLPUB115	2002	39*,40,41,44,45/02						
LLPUB116	2002	18*,20,21,22,24,25,26,27,29,31,34,37,41,42,44,45,46,47,48/02						

SECTION II
PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 48/02

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

NIMA Reference No.	Ed.	Notice to Mariners No.
NOSPBCP7	33	46*,47/01;1,5,12,15,19,20,21,22,23,25,33,34,37,39/02
NOSPBCP8	24	3*,5,16,17,19,23,33,37,40,46,47/02
NOSPBCP9	20	12*,20,23,33,37,45/02
RADIO NAVIGATIONAL AIDS		
RAPUB117	2001	11*,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,36,37,38,39,40,42,44,47,48,49,50/01
AMERICAN PRACTICAL NAVIGATOR		
NVPUB9	2002	36/02*
INTERNATIONAL CODE OF SIGNALS		
NVPUB102	1999	46/99*;52/01
WORLD PORT INDEX		
NVPUB150	2000	50/00*;14,15,16,20,21,41,42,43,44,45,46,47,48,49,51,52/01;1,2,5,6,10,11,12,16,19,21,22,27,31,32,33,36,39,40,42,46/02
DISTANCES BETWEEN PORTS		
NVPUB151	2001	4/02*
RADAR NAVIGATION AND MANEUVERING BOARD MANUAL		
CDPUBNV1310	2001	51/01*
SIGHT REDUCTION TABLES (MARINE)		
SRPUB229V1	1970	11/71*
SRPUB229V2	1970	11/71*
SRPUB229V3	1970	7/71*
SRPUB229V4	1970	3/71*
SRPUB229V5	1970	3/71*
SRPUB229V6	1970	23/70*
SIGHT REDUCTION TABLES (AIR)		
SRPUB249V1	2000	4/01*
SRPUB249V2	1952	46/52*
SRPUB249V3	1952	46/52*
CHART NO. 1		
WOBZC1	1997	18/98*
CHART NO. 4		
WOBZC4	1988	N20/89*
ATLAS OF PILOT CHARTS		
NVPUB107	1998	30/99*
USCG NAVIGATION RULES		
COMDTM166722D	1999	44/99*;52/00
NOS TIDE TABLES		
NOSPBTTWCWPACIN2	2002	N52/01*
NOSPBTTTECSTNSA2	2002	N52/01*
NOSPBTTTEURAFR2	2002	N52/01*
NOSPBTTWCSTNSA2	2002	N52/01*
TIDAL CURRENT TABLES		
NOSPBTCATCSTN2	2002	N52/01*;N9/02
NOSPBTCIPACAS2	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 141300Z November 2002:

2001 series	332(GEN)	367(GEN)	418(11)	423(27)
393(GEN)	346(GEN)	383(11,26)	419(GEN)	425(14)
2002 series	351(11)	395(GEN)	420(11,26)	426(11,25,26)
219(GEN)	365(14)	415(GEN)	421(51)	

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 071200Z to 141300Z November 2002.

- 418/02(11). GULF OF MEXICO. TEXAS. ORDNANCE.
 1. UNDERWATER ORDNANCE DETONATIONS 130800Z TO 152000Z NOV IN AREA BETWEEN 27-30.0N 27-31.0N AND 097-11.5W 097-12.5W.
 2. CANCEL THIS MSG 152100Z NOV. (080720Z NOV 2002)
- 419/02(GEN).
 1. NAVAREA IV MESSAGES IN FORCE 081000Z NOV 2002. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2002 SERIES: 383(11,26), 395(GEN), 412(11,26), 415(GEN), 417(11,26), 418(11).
 2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF 13 DEC 2001 IS GIVEN IN SEC III OF NM 52/01. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/02 AND 26/02.
 3. CANCEL NAVAREA IV 411/02. (081010Z NOV 2002)
- 420/02(11,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.
 1. HAZARDOUS OPERATIONS:
 A. 0500Z TO 0459Z COMMENCING DAILY 11 THRU 17 NOV IN AREA BOUND BY 30-45N 080-54W, 30-45N 080-11W, 30-36N 080-11W, 30-34N 080-33W.
 B. 0500Z TO 0459Z COMMENCING DAILY 11 THRU 17 NOV IN AREA BETWEEN 29-20N 29-10N AND 079-50W 079-40W.
 C. 1400Z TO 0600Z COMMENCING DAILY 12 THRU 15 NOV IN AREA BETWEEN 30-00N 29-50N AND 080-50W 081-00W.
 D. 1200Z TO 2300Z DAILY 12 THRU 16 NOV IN AREA BOUND BY 30-32N 080-58W, 30-45N 080-56W, 31-10N 080-59W, 31-10N 080-10W, 30-32N 080-10W.
 E. 121730Z TO 121900Z AND 141600Z TO 141830Z NOV IN AREA BETWEEN 29-50N 29-30N AND 080-40W 080-30W.
 F. 132359Z TO 140300Z NOV IN AREA BOUND BY 30-35N 081-21W, 30-35N 081-00W, 30-00N 081-02W, 30-00N 081-15W.
 2. CANCEL THIS MSG 180559Z NOV. (081435Z NOV 2002)
- 421/02(51). NORTH ATLANTIC.
 1. ODAS BUOY ADRIFT VICINITY 34-00N 047-24W.
 2. CANCEL THIS MSG 15 NOV. (082105Z NOV 2002)
- 422/02. CANCELED.
- 423/02(27). NORTH ATLANTIC. BAHAMAS.
 1. DERELICT 45 FOOT M/V HEAVY DUTY ADRIFT VICINITY 20-29.7N 073-47.5W AT 102100Z NOV.
 2. CANCEL THIS MSG 18 NOV. (110313Z NOV 2002)
- 424/02. CANCELED.
- 425/02(14). NORTH ATLANTIC.
 SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY M/V ZEPHYR 1 TOWING 8300 METER LONG CABLE IN AREA BOUND BY 48-42N 052-42W, 52-50N 051-23W, 52-41N 049-14W, 48-37N 045-11W, 45-42N 047-57W.
 WIDE BERTH REQUESTED. (121747Z NOV 2002)

426/02(11,25,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 162238Z TO 170036Z NOV, ALTERNATE 172239Z TO 180036Z NOV IN AREAS BOUND BY:
 - A. 28-38N 080-37W, 28-40N 080-26W, 28-31N 079-49W, 28-26N 079-50W, 28-26N 080-11W, 28-23N 080-27W, 28-26N 080-36W.
 - B. 28-46N 080-00W, 28-42N 079-21W, 28-12N 079-24W, 28-16N 080-03W.
 - C. 22-29N 055-31W, 20-59N 051-42W, 19-50N 052-05W, 21-18N 055-53W.
2. CANCEL THIS MSG 180136Z NOV.

(130940Z NOV 2002)

SECTION III

NM 48/02

HYDROLANTS

Messages in force 141300Z November 2002:

2000 series	2916(37)	1895(23)	2294(53)	2421(54)	2480(53)
1569(36)	2948(36)	1986(GEN)	2307(24)	2424(53)	2481(27)
2353(36)	3161(44)	2027(GEN)	2310(52,53)	2425(52,53)	2483(24)
2937(38)	2002 series	2105(53)	2321(57)	2434(56)	2484(22)
3762(43)	11(54)	2156(GEN)	2339(53)	2446(37)	2486(36)
4265(44)	134(37)	2158(35)	2354(53)	2448(GEN)	2488(51)
2001 series	245(GEN)	2171(57)	2365(54)	2450(37)	2489(53,54)
470(53)	246(GEN)	2203(51)	2366(54,56)	2455(36)	2490(37)
611(44)	321(52)	2205(37)	2368(51)	2462(24)	2491(38)
1116(36)	349(54)	2211(37)	2372(38)	2463(GEN)	2493(54,56)
1798(37)	383(53)	2228(35)	2382(55)	2465(54,56)	2494(36,37)
1885(44)	946(53)	2230(53)	2394(54,56)	2467(24)	2495(24)
2066(37)	1065(53)	2237(24)	2408(56)	2468(37)	2496(24)
2659(GEN)	1066(37)	2243(37)	2412(54)	2470(37)	2497(24)
2700(37)	1159(51)	2247(24)	2413(52)	2473(54,55)	2498(24)
2706(37)	1290(53)	2268(36)	2417(53)	2474(54)	2501(36,51)
2864(53)	1485(24)	2292(GEN)	2418(37)	2479(55)	

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 071200Z to 141300Z November 2002.

2458/02 thru 2461/02. CANCELED.

2462/02(24). BRAZIL-SOUTH COAST.

1. HYDROGRAPHIC OPERATIONS 11 THRU 18 NOV BY M/V SIRIUS VICINITY OF TRACKLINE BETWEEN 28-19S 048-00W AND 30-35S 050-15W. WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 19 NOV.

(080620Z NOV 2002)

2463/02(GEN).

1. HYDROLANT MESSAGES IN FORCE 081000Z NOV 2002. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2002 SERIES: 2171(57), 2203(51), 2205(37), 2211(37), 2228(35), 2230(53), 2237(24), 2243(37), 2247(24), 2268(36), 2292(GEN), 2294(53), 2307(24), 2310(52,53), 2321(57), 2339(53), 2354(53), 2365(54), 2366(54,56), 2368(51), 2372(38), 2382(55), 2392(36), 2393(53), 2394(54,56), 2408(56), 2410(57), 2412(54), 2413(52), 2415(24), 2417(53), 2418(37), 2421(54), 2424(53), 2425(52,53), 2434(56), 2446(37), 2448(GEN), 2450(37), 2451(24), 2452(24), 2453(24), 2454(24), 2455(36), 2456(51), 2457(54), 2458(24), 2459(24), 2460(23), 2461(24), 2462(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 AND 26/02.
3. CANCEL HYDROLANT 2117/02, 2177/02, 2343/02, 2389/02, 2423/02, 2437/02, 2441/02.

(081110Z NOV 2002)

2464/02. CANCELED.

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

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

(090353Z NOV 2002)

2466/02. CANCELED.

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

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

(090440Z NOV 2002)

- 2468/02(37). CELTIC SEA.
 1. DERELICT 10 METER LIFEBOAT ADRIFT VICINITY
 48-20N 005-46W AT 091000Z NOV.
 2. CANCEL THIS MSG 16 NOV. (091221Z NOV 2002)
- 2469/02. CANCELED.
- 2470/02(37). DOVER STRAIT.
 CHART 37129 (6TH ED).
 HINDER 1 BUOY 51-21N 002-11E MISSING. (091905Z NOV 2002)
- 2471/02 and 2472/02. CANCELED.
- 2473/02(54,55). TURKEY-WEST COAST.
 1. SURVEY OPERATIONS 13 THRU 19 NOV BY M/V MARE OCEANO
 TOWING 150 METER LONG CABLE IN AREA BETWEEN
 39-38N 40-05N AND 025-47E 026-18E.
 2. CANCEL THIS MSG 20 NOV. (100050Z NOV 2002)
- 2474/02(54). EASTERN MEDITERRANEAN SEA.
 1. SEISMIC SURVEY 11 THRU 16 NOV BY M/V SISMİK 1
 IN AREA BOUND BY 36-02.5N 032-48.0E,
 36-34.5N 035-24.0E, 34-42.5N 034-55.0E,
 34-53.0N 034-27.0E, 35-07.3N 034-16.5E,
 35-12.0N 033-54.0E, 35-24.0N 032-55.0E.
 2. CANCEL THIS MSG 17 NOV. (100115Z NOV 2002)
- 2475/02 thru 2478/02. CANCELED.
- 2479/02(55). BLACK SEA. HAZARDOUS OPERATIONS.
 1. HAZARDOUS OPERATIONS 0700Z TO 1330Z DAILY 15 AND 16 NOV
 IN AREA BOUND BY 44-38.8N 032-11.5E, 44-48.4N 032-08.2E,
 45-00.2N 032-14.2E, 44-52.2N 032-41.6E,
 44-43.8N 032-52.2E, 44-34.8N 032-37.4E,
 2. CANCEL HYDROLANT 2464/02.
 3. CANCEL THIS MSG 161430Z NOV. (101415Z NOV 2002)
- 2480/02(53). SARDEGNA-NORTHEAST COAST.
 CHART 53283 (4TH ED).
 PUNTA TIMONE LIGHT 40-55.6N 009-44.0E UNLIT. (102304Z NOV 2002)
- 2481/02(27). NORTH ATLANTIC. BAHAMAS.
 1. DERELICT 45 FOOT M/V HEAVY DUTY ADRIFT VICINITY
 20-29.7N 073-47.5W AT 102100Z NOV.
 2. CANCEL THIS MSG 18 NOV. (110309Z NOV 2002)
- 2482/02. CANCELED.
- 2483/02(24). SOUTH ATLANTIC. URUGUAY.
 1. UNDERWATER OPERATIONS IN PROGRESS UNTIL 150300Z NOV
 BY M/V ROU 22 OYARVIDE IN AREA BETWEEN 35-05S 35-09S
 AND 055-17W 055-30W. 1.5 MILE BERTH REQUESTED.
 2. CANCEL HYDROLANT 2458/02.
 3. CANCEL THIS MSG 150400Z NOV. (111514Z NOV 2002)
- 2484/02(22). ARGENTINA. TIERRA DEL FUEGO.
 CHART 22036 (28TH ED).
 CABO SAN DIEGO LIGHT 54-39S 065-07W UNLIT. (111529Z NOV 2002)
- 2485/02. CANCELED.
- 2486/02(36). ENGLAND-WEST COAST. RADIO SERVICES.
 1. MF DSC STATION SAINT ANNS HEAD 51-41N 005-11W UNRELIABLE.
 2. CANCEL HYDROLANT 2392/02. (111740Z NOV 2002)
- 2487/02. CANCELED.

SECTION III

NM 48/02

- 2488/02(51). NORTH ATLANTIC. MOROCCO. GUNNERY.
1. GUNNERY EXERCISES 160800Z TO 161600Z NOV WITHIN 15 MILES OF 35-30N 007-00W.
2. CANCEL HYDROLANT 2487/02(54), VESSEL LOCATED SAFE.
3. CANCEL THIS MSG 161700Z NOV. (121220Z NOV 2002)
- 2489/02(53,54). IONIAN SEA.
DISTRESS SIGNAL RECEIVED VICINITY 37-07N 017-27E.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO REGGIO CALABRIA PORT AUTHORITY, PHONE: 3909 6565 6274 OR PALERMO RADIO. (121725Z NOV 2002)
- 2490/02(37). ENGLISH CHANNEL.
1. MINE ADRIFT VICINITY 50-13.7N 001-42.0W AT 121107Z NOV.
2. CANCEL THIS MSG 19 NOV. (121733Z NOV 2002)
- 2491/02(38). NORTH ATLANTIC. ORDNANCE.
1. UNDERWATER ORDNANCE DETONATIONS 160001Z TO 162359Z NOV IN AREA BETWEEN 68-00N 69-40N AND 013-40W 018-10W.
2. CANCEL THIS MSG 170059Z NOV. (130650Z NOV 2002)
- 2492/02. CANCELED.
- 2493/02(54,56). EASTERN MEDITERRANEAN SEA.
DISTRESS SIGNAL RECEIVED ON 121.5 MHZ IN 34-48.6N 034-56.7E AT 130848Z NOV. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC LARNACA, TELEX: 6054158, PHONE: 357 2430 4723, FAX: 357 2464 325. (131110Z NOV 2002)
- 2494/02(36,37). NORTH ATLANTIC.
1. S/V REXONA MEN, CAPSIZED VICINITY 46-03N 009-54W. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO MRCC GRIS NEZ, TELEX: 42134002, PHONE: 333 2187 2187, FAX: 333 2187 7855.
2. CANCEL HYDROLANT 2492/02. (131155Z NOV 2002)
- 2495/02(24). BRAZIL-EAST COAST.
1. SEISMIC SURVEY IN PROGRESS UNTIL 160200Z NOV BY M/V VERITAS VIKING II TOWING EIGHT 6000 METER LONG CABLES IN AREA BETWEEN 19-06.6S 19-47.2S AND 038-31.5W 039-03.4W. SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 160300Z NOV. (131446Z NOV 2002)
- 2496/02(24). BRAZIL-SOUTHEAST COAST.
1. SEISMIC SURVEY IN PROGRESS UNTIL 160200Z NOV 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 160300Z NOV. (131450Z NOV 2002)
- 2497/02(24). BRAZIL-SOUTH COAST.
1. SEISMIC SURVEY IN PROGRESS UNTIL 160200Z NOV BY M/V CGG ALIZE TOWING EIGHT 6000 METER LONG CABLES IN AREA BETWEEN 25-40S 26-50S AND 044-25W 045-15W. FOUR MILE BERTH REQUESTED.
2. CANCEL THIS MSG 160300Z NOV. (131453Z NOV 2002)
- 2498/02(24). BRAZIL-NORTH COAST.
1. SEISMIC SURVEY 15 THRU 17 NOV BY M/V RAMFORM EXPLORER TOWING EIGHT 6853 METER LONG CABLES IN AREA BOUND BY 00-43.1S 044-19.1W, 00-45.2S 044-17.1W, 00-49.0S 044-07.6W, 00-22.4S 043-38.2W, 00-15.6S 043-44.0W, 00-14.1S 043-46.4W. FIVE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 18 NOV. (131512Z NOV 2002)
- 2499/02 and 2500/02. CANCELED.

2501/02(36,51). NORTH ATLANTIC.
DISTRESS SIGNAL RECEIVED FROM VESSEL FUJIFILM,
ONE PERSON ON BOARD, VICINITY 42-16.6N 014-04.0W.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO MRCC GRIS NEZ,
TELEX: 44134002, PHONE: 333 2187 2187, FAX: 333 2187 7855.

(131815Z NOV 2002)

2502/02. CANCELED.

SECTION III

NM 48/02

NAVAREA XII

Messages in force 141300Z November 2002:

2001 series	178(GEN)	270(GEN)	311(19)	322(18)
298(GEN)	255(GEN)	290(83)	316(GEN)	
2002 series	260(GEN)	296(GEN)	318(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 071200Z to 141300Z November 2002.

318/02(GEN).

1. NAVAREA XII MESSAGES IN FORCE 081000Z NOV 2002. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2002 SERIES: 290(83), 296(GEN), 311(19), 316(GEN), 317(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 AND 26/02.
3. CANCEL NAVAREA XII 313/02.

(081020Z NOV 2002)

319/02 thru 321/02. CANCELED.

322/02(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
B. 33-52N 119-06W.	TO THE SHORELINE.
C. 33-29N 119-07W.	N. 34-24N 120-30W.
D. 33-29N 118-37W.	O. 34-08N 120-26W.
E. 33-20N 118-37W.	P. 34-08N 119-40W.
F. 32-11N 120-16W.	Q. 34-00N 119-40W.
G. 31-54N 121-35W.	R. 34-06N 119-13W.
H. 35-09N 123-39W.	S. 34-06N 119-11W.
I. 35-29N 123-00W.	T. 34-07N 119-10W.
J. 35-04N 122-43W.	U. 34-07N 119-07W.
K. 35-57N 121-32W.	V. 34-04N 119-04W.
L. 34-59N 120-42W.	
2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT PLEAD CONTROL ON 5081.5 KHZ (5080 KHZ) OR 3238.5 KHZ (3237 KHZ) SECONDARY OR 156.8 MHZ (CH 16) OR 127.55 MHZ BEFORE ENTERING THE ABOVE BOUNDARIES AND MAINTAIN CONTINUOUS GUARD WHILE WITHIN THE RANGE.
3. VESSELS INBOUND AND OUTBOUND FOR SOUTHERN CALIFORNIA PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS DURING THE SPECIFIC PERIODS, AS WELL AS ENHANCE THE VESSEL'S SAFETY WHEN PASSING THROUGH THE VICINITY OF THE SEA RANGE. IF THEY WILL TRANSIT VIA THE SANTA BARBARA CHANNEL AND WITHIN NINE MILES OFFSHORE VICINITY OF POINT MUGU OR CROSS THE AREA SOUTHWEST OF SAN NICOLAS ISLAND BETWEEN SUNSET AND SUNRISE.
4. CANCEL NAVAREA XII 317/02.

(141010Z NOV 2002)

SECTION III

NM 48/02

HYDROPACS

Messages in force 141300Z November 2002:

2000 series	496(75)	1831(81)	1923(83)	2024(62)	2084(97)
597(73)	637(75)	1832(81)	1926(92)	2030(95)	2088(74)
1557(94)	753(62)	1835(96)	1936(GEN)	2031(95)	2089(63)
2001 series	787(71)	1836(96)	1937(81)	2033(61)	2091(63)
725(74)	828(62)	1842(22)	1953(83)	2038(81,97)	2092(81)
1556(71)	1078(72)	1843(22)	1955(71)	2040(63)	2093(71,72)
1636(96)	1147(92)	1856(83)	1961(93)	2047(GEN)	2097(97)
1647(GEN)	1315(62)	1865(81,92)	1963(81)	2049(63)	2098(94,97)
1929(76)	1588(75)	1868(97)	1969(94)	2050(63)	2099(91,92)
1976(62)	1607(93)	1877(83)	1971(63)	2051(63)	2100(63)
2062(61)	1629(GEN)	1881(81,91,97)	1972(91)	2052(62)	2101(81)
2002 series	1635(62)	1885(91,93,94)	1983(63)	2056(76,83)	2103(74)
146(62)	1661(GEN)	1893(74)	1990(83)	2057(71,93)	2104(22)
196(61)	1695(71,93)	1912(71)	1994(82)	2063(GEN)	2105(22)
205(GEN)	1757(GEN)	1913(81)	2010(94,95)	2067(91,92)	2106(75)
206(GEN)	1765(71)	1914(61)	2011(71)	2074(GEN)	2107(75)
207(93)	1786(81)	1916(92)	2016(94,95)	2077(81)	2108(62)
352(73)	1808(62)	1917(81)	2017(95)	2078(83)	2109(62)
403(72,73)	1825(81)	1922(76)	2018(94,95)	2081(97)	

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 071200Z to 141300Z November 2002.

2072/02 and 2073/02. CANCELED.

2074/02(GEN).

1. HYDROPAC MESSAGES IN FORCE 081000Z NOV 2002. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.

2002 SERIES: 1786(81), 1808(62), 1815(63), 1825(81), 1831(81), 1832(81), 1835(96), 1836(96), 1842(22), 1843(22), 1856(83), 1865(81,92), 1868(97), 1877(83), 1881(81,91,97), 1885(91,93,94), 1893(74), 1912(71), 1913(81), 1914(61), 1916(92), 1917(81), 1922(76), 1923(83), 1926(92), 1936(GEN), 1937(81), 1953(83), 1955(71), 1961(93), 1963(81), 1969(94), 1971(63), 1972(91), 1983(63), 1986(74), 1990(83), 1994(82), 2003(75), 2010(94,95), 2011(71), 2016(94,95), 2017(95), 2018(94,95), 2024(62), 2030(95), 2031(95), 2033(61), 2035(95), 2038(81,97), 2039(74), 2040(63), 2044(94), 2047(GEN), 2049(63), 2050(63), 2051(63), 2052(62), 2055(73,74), 2056(76,83), 2057(71,93), 2059(63), 2060(63), 2063(GEN), 2066(62), 2067(91,92), 2068(63), 2069(63), 2070(63), 2071(83), 2072(22), 2073(22).

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 AND 26/02.

3. CANCEL HYDROPAC 1729/02, 1732/02, 1738/02, 1749/02, 1750/02, 1751/02, 1752/02, 1764/02, 2022/02, 2043/02.

(081120Z NOV 2002)

2075/02 and 2076/02. CANCELED.

2077/02(81). NORTH PACIFIC.

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

(081925Z NOV 2002)

2078/02(83). SOUTH PACIFIC.

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

(090630Z NOV 2002)

2079/02 and 2080/02. CANCELED.

2081/02(97). NORTH PACIFIC.

1. CABLE LAYING OPERATIONS 15 THRU 25 NOV,
ALTERNATE 26 THRU 29 NOV BY
M/V KDD PACIFIC LINK IN AREA BETWEEN
28-00N 30-00N AND 142-30E 143-30E.
2. CANCEL THIS MSG 30 NOV.

(100955Z NOV 2002)

2082/02 and 2083/02. CANCELED.

2084/02(97). NORTH PACIFIC. JAPAN-SOUTH COAST.

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

(110607Z NOV 2002)

2085/02 thru 2087/02. CANCELED.

2088/02(74). AUSTRALIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE
BY M/V VERITAS SEARCHER TOWING TWO MILE LONG CABLE
IN AREA BETWEEN 27-30S 28-30S AND 113-00E 113-50E.
FOUR MILE BERTH REQUESTED.
2. CANCEL HYDROPAC 2087/02(63), ASSISTANCE RECEIVED.
3. CANCEL HYDROPAC 2039/02.

(111329Z NOV 2002)

2089/02(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

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

(111351Z NOV 2002)

2090/02. CANCELED.

2091/02(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0330Z TO 1530Z DAILY 15 AND 22 NOV
IN AREA BOUND BY 09-57.6N 075-59.5E, 09-42.5N 076-09.5E,
09-40.0N 076-14.5E, 09-57.7N 076-14.2E.
2. CANCEL THIS MSG 221630Z NOV.

(111418Z NOV 2002)

2092/02(81). NORTH PACIFIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 120001Z TO 220200Z NOV IN AREA
BOUND BY 13-10N 144-45E, 11-00N 144-45E,
11-00N 143-00E, 11-45N 143-00E,
12-50N 144-30E, 13-10N 144-30E.
2. CANCEL THIS MSG 220300Z NOV.

(120225Z NOV 2002)

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

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

(120810Z NOV 2002)

2094/02 thru 2096/02. CANCELED.

2097/02(97). NORTH PACIFIC. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS 142200Z TO 151459Z NOV
VICINITY OF TRACKLINE JOINING 29-28N 130-58E,
29-28N 130-50E, 29-27N 130-43E, 29-20N 130-42E,
29-12N 130-42E, 29-18N 131-08E, 29-11N 131-08E,
29-03N 131-07E, 29-02N 130-59E, 29-02N 130-52E.
2. CANCEL THIS MSG 151559Z NOV.

(130620Z NOV 2002)

- 2098/02(94,97). EAST CHINA SEA. ORDNANCE.
 1. UNDERWATER ORDNANCE DETONATIONS:
 A. 150900Z TO 171459Z NOV VICINITY OF TRACKLINE
 JOINING 32-04N 127-15E, 31-56N 127-25E,
 31-34N 127-24E, 31-26N 127-15E,
 31-26N 126-49E, 31-34N 126-40E,
 31-56N 126-40E, 32-04N 126-49E.
 B. 172200Z TO 191700Z NOV VICINITY OF TRACKLINE
 JOINING 30-34N 127-30E, 30-26N 127-40E,
 30-04N 127-39E, 29-56N 127-30E,
 29-56N 127-04E, 30-04N 126-56E,
 30-26N 126-56E, 30-34N 127-05E.
 2. CANCEL HYDROPAC 882/02(62), OPERATIONS COMPLETED.
 3. CANCEL THIS MSG 191800Z NOV. (131040Z NOV 2002)
- 2099/02(91,92). PHILIPPINE SEA.
 DISTRESS SIGNAL RECEIVED ON 121.5 MHZ IN 12-45.4N 124-59.2E.
 VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
 ASSIST IF POSSIBLE. REPORTS TO PAC RCC, TELEX: 392401,
 PHONE: 808 531 1112, FAX: 808 541 2123. (131140Z NOV 2002)
- 2100/02(63). BAY OF BENGAL. ORDNANCE.
 1. UNDERWATER ORDNANCE DETONATIONS 161600Z TO 172359Z NOV
 WITHIN FIVE MILES OF:
 A. 19-50.4N 088-14.4E.
 B. 19-12.0N 088-52.8E.
 2. CANCEL THIS MSG 180059Z NOV. (131150Z NOV 2002)
- 2101/02(81). NORTH PACIFIC.
 DISTRESS SIGNAL RECEIVED VICINITY 07-07.0N 171-24.3E AT
 131147Z NOV. VESSELS IN VICINITY REQUESTED TO KEEP A
 SHARP LOOKOUT. ASSIST IF POSSIBLE. REPORTS TO RCC HONOLULU,
 TELEX: 392401, PHONE: 808 541 2500, FAX: 808 541 2123. (131348Z NOV 2002)
- 2102/02. CANCELED.
- 2103/02(74). AUSTRALIA-NORTHWEST COAST.
 SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY
 M/V PACIFIC SWORD TOWING 2.5 MILE LONG CABLE IN
 AREA BETWEEN 20-00S 20-30S AND 114-30E 115-00E.
 WIDE BERTH REQUESTED. (140245Z NOV 2002)
- 2104/02(22). SOUTH PACIFIC. CHILE. HAZARDOUS OPERATIONS.
 1. HAZARDOUS OPERATIONS 151200Z TO 151600Z NOV IN AREA
 BETWEEN 18-40S 18-45S AND 070-35W 070-29W.
 2. CANCEL HYDROPAC 1815/02(63) AND 2075/02(63).
 3. CANCEL THIS MSG 151700Z NOV. (140755Z NOV 2002)
- 2105/02(22). SOUTH PACIFIC. RADIO SERVICES.
 DSC STATION ISLA DE PASCUA 27-11S 109-25W INOPERATIVE. (140825Z NOV 2002)
- 2106/02(75). AUSTRALIA-SOUTH COAST.
 13 FOOT F/V ADRIATIC STAR, TWO PERSONS ON BOARD, OVERDUE
 ESPERANCE (33-52S 121-54E) TO EUCLA (31-43S 128-52E).
 LAST KNOWN POSITION 33-48S 123-46E ON 09 NOV. VESSELS IN
 VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF
 POSSIBLE. REPORTS TO RCC AUSTRALIA, TELEX: 7162025,
 PHONE: 612 6230 6811, FAX: 612 6230 6868. (141040Z NOV 2002)
- 2107/02(75). AUSTRALIA-SOUTH COAST.
 SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE
 BY M/V POLAR DUKE TOWING 2.5 MILE LONG CABLE IN
 AREA BETWEEN 38-05S 38-37S AND 140-40E 141-20E. (141105Z NOV 2002)
- 2108/02(62). RED SEA. SAUDI ARABIA.
 1. LORAN-C STATION AL MUWASSAM, RATE 8830-Z, OFF AIR
 0430Z TO 0435Z AND 1230Z TO 1235Z DAILY 16 THRU 30 NOV.
 2. CANCEL THIS MSG 301335Z NOV. (141120Z NOV 2002)

2109/02(62). PERSIAN GULF. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS 190300Z TO 230900Z NOV
IN AREA BETWEEN 26-26N 26-39N AND 051-18E 051-40E.
2. CANCEL THIS MSG 231000Z NOV.

(141240Z NOV 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), 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 14 November 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) 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 14 November 2002: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119 and 120.

MARINE INFORMATION

NEW EDITION OF SUMMARY OF CORRECTIONS

Summary of Corrections for the East Coast of North and South America (Subregions 11 thru 15 and 23 thru 28), Volume 1, 2002 Edition, is ready for issue.

This edition contains corrections for charts published in Notice to Mariners through No. 33 (17 August 2002). Previously published corrections are included as applicable in the announcement of a new edition. Otherwise, corrections to prior editions are not included.

Note: This summary supersedes previous Volume 1 Summaries.

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.

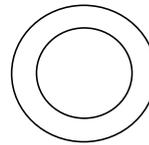
Reports which present an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. In general, these hazards would include major aids to navigation anomalies, discovery of obstructions or shoals with depths of less than 30 meters, floating dangers to shipping,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

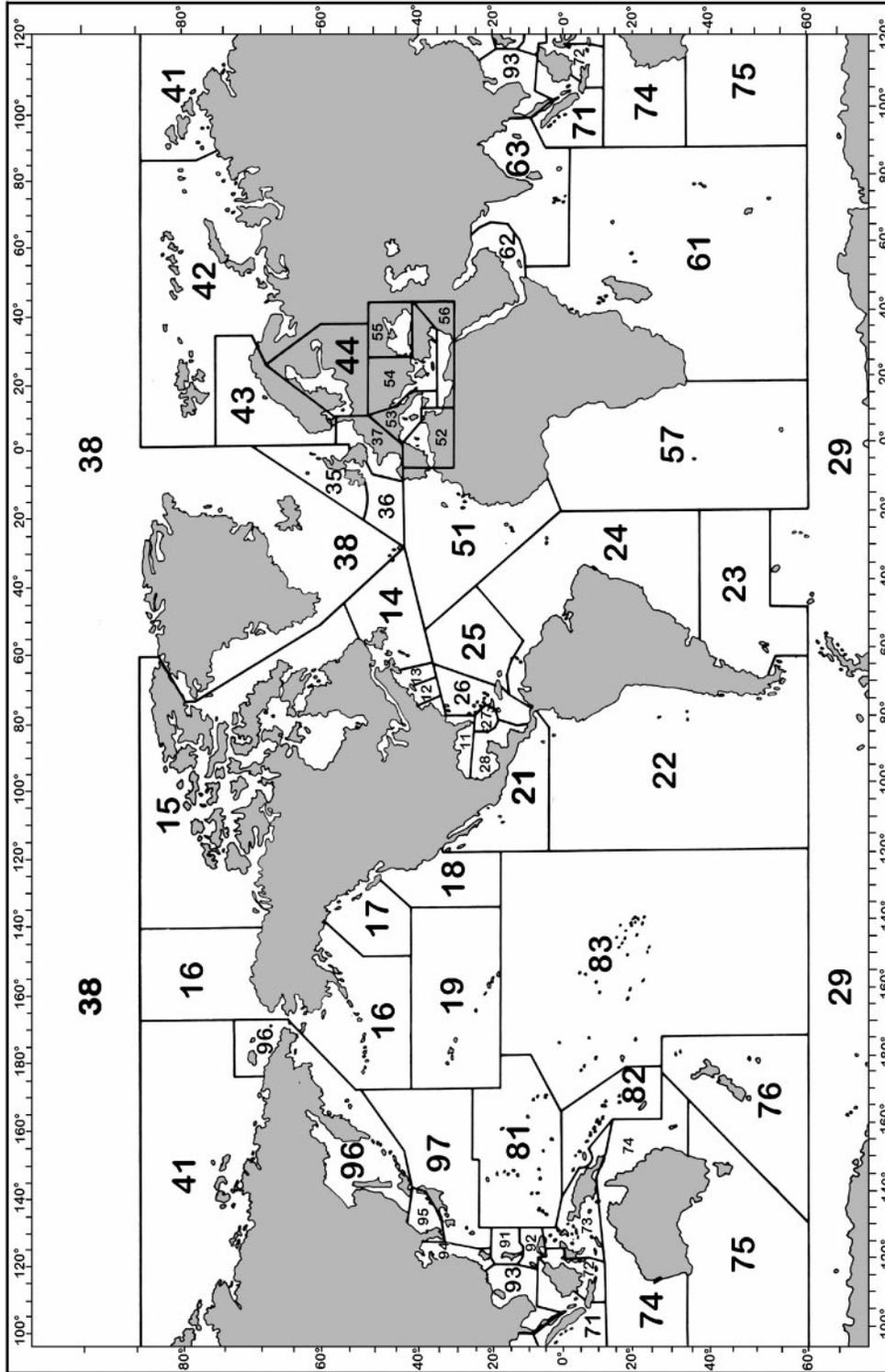


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GEOGRAPHIC LOCATOR



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

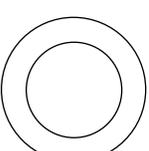
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