



No. 12
20 MARCH 2004



UNITED STATES OF AMERICA

NOTICE TO MARINERS



Published Weekly by the
National Geospatial-Intelligence Agency

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

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



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IMPORTANT INFORMATION

The Notice to Mariners is published by the National Geospatial-Intelligence Agency (NGA), 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 NGA in matters affecting the status and boundaries of States and territories. The Notice to Mariners presents corrective information affecting charts, NGA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NGA List of Lights, Radio Navigational Aids and other products produced by the National Geospatial-Intelligence Agency, National Ocean Service and U.S. Coast Guard.

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

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

<u>Name</u>	<u>Telephone</u>	<u>DSN</u>	<u>FAX</u>
Maritime Safety Information Division	301-227-3370	287-3370	301-227-4211
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 directly at (<http://pollux.nss.nga.mil>). For your convenience NGA provides three e-mail addresses. For information affecting Notice to Mariners use NavNotices@nga.mil, for information affecting Sailing Directions and all other navigational publications use SDPUBS@nga.mil, for information concerning the Maritime Safety Information Website, use webmaster_nss@nga.mil.

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

<u>Observer</u>	<u>Ship/Organization</u>
Second Officer Eugene Mayer	M/V HORIZON RELIANCE
Second Officer Bill Mooney	M/V DILIGENCE

Cover Photo: The **USS SLATER (DE-766)** is a Cannon Class Destroyer Escort launched on February 13, 1944 and commissioned on May 1, 1944. Of the 565 Destroyer Escorts built during World War II, the **USS SLATER** is the only one remaining afloat in the United States and the last one with original battle armament and configuration. She has a displacement of 1,200 tons, is 306 feet long with a beam of 36 feet and carried a crew of 216 men when commissioned. The **USS SLATER** was named after Frank O. Slater of Alabama, a sailor killed aboard the **USS SAN FRANCISCO** during the Battle of Guadalcanal in 1942. The **USS SLATER** saw service in both the Atlantic and Pacific theaters during World War II. She was decommissioned in 1946 and was transferred to Greece on March 1, 1951. The **USS SLATER** served in the Hellenic Navy until 1991, when she was donated to the Destroyer Escort Sailors Association (DESA). She was returned to New York in 1993 and was transferred to her permanent homeport of Albany, New York in October 1997. The **USS SLATER** now serves as a living museum and is being maintained by a crew of dedicated volunteers.

INFORMATION
OF
SPECIAL INTEREST
OR
IMPORTANCE
TO
MARINERS

NM 12/04

HYDROGRAM

**National Geospatial-Intelligence Agency
Bethesda, MD 20816-5003**

SPECIAL
ANNOUNCEMENTS

NEW PRODUCTS
OR SERVICES

IMPORTANT
CHANGES

20 March 2004

UNITED STATES COAST GUARD NAVIGATION INFORMATION SERVICE

THE UNITED STATES COAST GUARD NAVIGATION INFORMATION SERVICE (NIS), OPERATED BY THE USCG NAVIGATION CENTER, PROVIDES INFORMATION FOR ALL RADIONAVIGATION SYSTEMS. SEE SECTION III

NOAA CHART NEW EDITIONS AND THEIR AVAILABILITY

NOAA RECOGNIZES TWO NAUTICAL CHART PRODUCTS: CHARTS-ON-DEMAND AND TRADITIONAL NOAA/NOS PAPER CHARTS. FOR ADDITIONAL INFORMATION, SEE SECTIONS II AND III.

EXPLANATION OF CONTENTS

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

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



A chart correction preceded by:

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

Section II-1 is a weekly listing of corrections to the NGA 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 NGA List of Lights.

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

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

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

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

**SECTION I
CHART CORRECTIONS**

NM 12/04

11310	1Ed. 9/25/99 LAST NM N1/04 Relocate Light "1" from 27°50'18.7"N 97°04'55.1"W to 27°50'18.5"N 97°04'55.6"W (3/04 CG8)	N12/04	★11371	36Ed. 6/03 LAST NM 6/04 Relocate Light from 30°13'42"N 89°11'51"W to 30°13'43"N 89°11'49"W (3/04 CG8)	12/04
★11311	23Ed. 1/26/02 LAST NM 1/04 Delete Light "9" (Continuation) Delete Light "9" (3/04 CG8)	12/04 27°48'57.0"N 97°27'41.9"W 27°48'57.0"N 97°27'42.0"W	11372	30Ed. 11/02 LAST NM 7/04 (Side A) Relocate Light from 30°13'41.9"N 89°11'51.0"W to 30°13'42.9"N 89°11'49.1"W (3/04 CG8)	12/04
★11314	22Ed. 3/03 LAST NM 32/03 (Side A) Relocate Light "1" from 27°50'19.3"N 97°04'56.0"W to 27°50'18.5"N 97°04'55.6"W (3/04 CG8)	12/04	★11415	6Ed. 11/03 NEW EDITION Change Visibility (range) of light "2" to 5M (NOS; USCG LL)	12/04 27°46'19"N 82°37'34"W
★11317	30Ed. 11/03 NEW EDITION (NOS)	12/04	★11446	31Ed. 12/03 NEW EDITION (NOS)	12/04
★11331	19Ed. 11/03 NEW EDITION (NOS)	12/04	★11450	9Ed. 11/03 NEW EDITION (NOS)	12/04
★11332	28Ed. 8/02 LAST NM 6/04 Add Platform [L10] (3/04 CG8)	12/04 29°37'49"N 93°41'15"W	11541	34Ed. 10/03 LAST NM 11/04 (Side A) Change Color of beacon "A" to BW Color of beacon "B" to BW (NOS)	12/04 34°43'00"N 76°42'21"W 34°42'43"N 76°42'11"W
★11341	39Ed. 2/03 LAST NM 6/04 Add Platform [L10] Platform [L10] (3/04 CG8)	12/04 29°26'47"N 93°29'33"W 29°37'49"N 93°41'15"W	11545	60Ed. 9/02 LAST NM 11/04 Change Color of beacon "A" to BW Color of beacon "B" to BW (NOS)	12/04 34°43'00"N 76°42'22"W 34°42'42"N 76°42'11"W
★11351	38Ed. 3/03 LAST NM 10/04 Relocate Buoy "B" from 29°32'29"N 91°16'02"W to 29°32'28"N 91°15'47"W (See 34/03-11351) (3/04 CG8)	12/04	★11548	39Ed. 11/03 NEW EDITION Relocate Buoy "OC" from 35°03'17"N 75°58'58"W to 35°03'04"N 75°58'37"W (Previously published 7/04) (NOS)	12/04
11352	36Ed. 11/02 LAST NM 10/04 Relocate Buoy "B" from 29°32.5"N 91°16.0'W to 29°32.5"N 91°15.8'W (See 34/03-11352) (3/04 CG8)	12/04	★12222	45Ed. 11/03 LAST NM 11/04 Add Tabulation of controlling depths from Subsection I-2 (NOS)	12/04
★11354	24Ed. 4/03 LAST NM 10/04 (Side A) Relocate Buoy "56" from 29°27'23"N 91°17'09"W to 29°27'24"N 91°17'10"W Buoy "B" from 29°32'29"N 91°16'02"W to 29°32'28"N 91°15'47"W (See 34/03-11354) (3/04 CG8)	12/04	*12243	13Ed. 2/24/01 LAST NM 5/02 Change Legend to "21 1/2 FT FOR WIDTH OF 300 FT APR 2003" (NOS)	12/04 37°25'55"N 76°42'20"W
★11357	36Ed. 7/03 LAST NM 5/04 Add Platform [L10] (3/04 CG8)	12/04 28°54'55"N 90°20'48"W	12245	62Ed. 5/03 LAST NM 10/04 Add Tabulation of controlling depths from Subsection I-2 (NOS)	12/04
★11361	71Ed. 12/03 LAST NM 11/04 Add Position circle "Pipe" [L23] (PA)	12/04 28°53'36"N 89°25'46"W	*12251	23Ed. 5/12/01 LAST NM 26/03 Change Legend to "25 FEET FOR A WIDTH OF 300 FEET AUG-SEP 2003" Legend to "25 FEET FOR A WIDTH OF 300 FEET AUG-SEP 2003" (NOS)	12/04 37°13'10"N 76°55'00"W 37°13'00"N 76°51'34"W
	(Inset Southwest Pass) Add Position circle "Pipe" [L23] (PA)	28°53'36"N 89°25'46"W	*12256	14Ed. 10/03 LAST NM 2/04 Add Tabulation of controlling depths from Subsection I-2 (NOS)	12/04
★11363	39Ed. 9/03 LAST NM 6/04 Relocate Light "56" from 29°38'42"N 89°20'20"W to 29°38'42"N 89°20'21"W (3/04 CG8)	12/04	*12316	30Ed. 11/03 NEW EDITION (NOS)	12/04
11366	8Ed. 10/03 LAST NM 11/04 Add Position circle "Pipe" [L23] (PA)	12/04 28°53.6'N 89°25.8'W (3/04 CG8)	*13229	28Ed. 1/04 NEW EDITION (NOS)	12/04

SECTION I

★13272	47Ed. 3/10/01 LAST NM 35/03	12/04	16704	13Ed. 9/29/01 LAST NM 52/01	12/04
Add	"Cable Area" [L30.2] bound by shore and purple dashed line joining		Change	Note to	
	42°21'08.4"N 71°02'16.0"W 42°21'24.4"N 71°02'03.0"W 42°21'41.4"N 71°01'41.6"W 42°21'39.1"N 71°01'37.7"W 42°21'01.3"N 71°02'05.2"W 42°21'19.2"N 71°01'51.6"W 42°21'28.0"N 71°01'39.5"W			"NOTE NOAA WEATHER RADIO BROADCASTS The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.	
(NOS)				Rugged I, AK WNG-526 162.425 MHz Naked I, AK WNG-530 162.500 MHz Point Pigot, AK KZZ-93 162.450 MHz Cape Hinchinbrook, AK TBD 162.525 MHz Potato Point, AK WNG-527 162.425 MHz Wasilla, AK KZZ-98 162.400 MHz Cordova, AK WXJ-79 162.40 MHz Valdez, AK WXJ-63 162.55 MHz Whittier, AK KXI-29 162.40 MHz"	60°14'12"N 147°47'00"W
16700	28Ed. 7/03 LAST NM 50/03	12/04			
Change	Note to				
	"NOTE NOAA WEATHER RADIO BROADCASTS The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.				
	Rugged I, AK WNG-526 162.425 MHz Naked I, AK WNG-530 162.500 MHz Point Pigot, AK KZZ-93 162.450 MHz Cape Hinchinbrook, AK TBD 162.525 MHz Potato Point, AK WNG-527 162.425 MHz Wasilla, AK KZZ-98 162.400 MHz Cordova, AK WXJ-79 162.40 MHz Valdez, AK WXJ-63 162.55 MHz Whittier, AK KXI-29 162.40 MHz"				
Add	Position circle [B33] "R Tr"	61°03.4'N 146°41.8'W			
	Position circle [B33] "R Tr"	60°15.3'N 146°36.6'W			
	Position circle [B33] "R Tr"	60°49.0'N 148°22.8'W			
	Position circle [B33] "R Tr"	60°38.7'N 147°20.8'W			
(NOS)					
16701	19Ed. 7/03 LAST NM 37/03	12/04			
Change	Note to				
	"NOTE NOAA WEATHER RADIO BROADCASTS The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.				
	Rugged I, AK WNG-526 162.425 MHz Naked I, AK WNG-530 162.500 MHz Point Pigot, AK KZZ-93 162.450 MHz Cape Hinchinbrook, AK TBD 162.525 MHz Potato Point, AK WNG-527 162.425 MHz Seward, AK KEC-81 162.400 MHz Whittier, AK KXI-29 162.40 MHz"				
(NOS)		59°50'00"N 147°42'30"W			
16702	11Ed. 7/03 LAST NM 37/03	12/04			
Change	Note in right upper margin of chart to				
	"NOTE NOAA WEATHER RADIO BROADCASTS The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.				
	Rugged I, AK WNG-526 162.425 MHz Naked I, AK WNG-530 162.500 MHz Point Pigot, AK KZZ-93 162.450 MHz Cape Hinchinbrook, AK TBD 162.525 MHz Potato Point, AK WNG-527 162.425 MHz Seward, AK KEC-81 162.55 MHz Whittier, AK KXI-29 162.40 MHz"				
(NOS)					
16706	10Ed. 7/26/97 LAST NM 13/98	12/04			
Change	Note to				
	"NOTE NOAA WEATHER RADIO BROADCASTS The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.				
	Rugged I, AK WNG-526 162.425 MHz Naked I, AK WNG-530 162.500 MHz Point Pigot, AK KZZ-93 162.450 MHz Potato Point, AK WNG-527 162.425 MHz Wasilla, AK KZZ-98 162.400 MHz Whittier, AK KXI-29 162.40 MHz"				
(NOS)		60°46'10"N 148°29'30"W			
★16707	10Ed. 9/29/01 LAST NM 5/04	12/04			
Change	Note to				
	"NOTE NOAA WEATHER RADIO BROADCASTS The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.				
	Naked I, AK WNG-530 162.500 MHz Point Pigot, AK KZZ-93 162.450 MHz Potato Point, AK WNG-527 162.425 MHz Cape Hinchinbrook, AK TBD 162.525 MHz Valdez, AK WXJ-63 162.55 MHz Cordova, AK WXJ-79 162.40 MHz"				
	60°54'00.0"N 146°40'00.0"W				
Add	Position circle [B33] "R Tr"	61°03'22.8"N 146°41'48.6"W			

(continued on next page)

SECTION I

NM 12/04

16707	(Continued)			
	(Inset Valdez Narrows)			
Add (NOS)	Position circle [B33] "R Tr"	61°03'22.8"N 146°41'48.6"W		
16708	25Ed. 10/6/01 LAST NM 50/03	12/04		
Change	Note to			
	"NOTE			
	NOAA WEATHER RADIO BROADCASTS			
	The NOAA Weather Radio stations listed below provide continuous weather broadcasts.			
	The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.			
	Naked I, AK WNG-530 162.500 MHz			
	Point Pigot, AK KZZ-93 162.450 MHz			
	Potato Point, AK WNG-527 162.425 MHz			
	Cape Hinchinbrook, AK TBD 162.525 MHz			
	Valdez, AK WXJ-63 162.55 MHz			
	Cordova, AK WXJ-79 162.40 MHz			
	61°02'00"N 147°10'00"W			
Add (NOS)	Position circle [B33] "R Tr"	61°03'23"N 146°41'49"W		
★16709	22Ed. 1/19/02 LAST NM 11/04	12/04		
Change	Note to			
	"NOTE			
	NOAA WEATHER RADIO BROADCASTS			
	The NOAA Weather Radio stations listed below provide continuous weather broadcasts.			
	The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.			
	Naked I, AK WNG-530 162.500 MHz			
	Point Pigot, AK KZZ-93 162.450 MHz			
	Potato Point, AK WNG-527 162.425 MHz			
	Cape Hinchinbrook, AK TBD 162.525 MHz			
	Valdez, AK WXJ-63 162.55 MHz			
	Cordova, AK WXJ-79 162.40 MHz			
	60°20'40"N 146°25'00"W			
Add (NOS)	Position circle [B33] "R Tr"	60°15'19"N 146°36'33"W		
16710	16Ed. 12/13/97 LAST NM 10/04	12/04		
Change	Note to			
	"NOTE			
	NOAA WEATHER RADIO BROADCASTS			
	The NOAA Weather Radio stations listed below provide continuous weather broadcasts.			
	The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.			
	Naked I, AK WNG-530 162.500 MHz			
	Point Pigot, AK KZZ-93 162.450 MHz			
	Potato Point, AK WNG-527 162.425 MHz			
	Cape Hinchinbrook, AK TBD 162.525 MHz			
	Valdez, AK WXJ-63 162.55 MHz			
	Cordova, AK WXJ-79 162.40 MHz			
	60°33'00"N 145°42'30"W			
(NOS)				
16711	2Ed. 1/12/02 LAST NM 15/02	12/04		
Change	Note to			
	"NOTE			
	NOAA WEATHER RADIO BROADCASTS			
	The NOAA Weather Radio stations listed below provide continuous weather broadcasts.			
	The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.			
	Rugged I, AK WNG-526 162.425 MHz			
	Naked I, AK WNG-530 162.500 MHz			
	Point Pigot, AK KZZ-93 162.450 MHz			
	Cape Hinchinbrook, AK TBD 162.525 MHz			
	Potato Point, AK WNG-527 162.425 MHz			
	Wasilla, AK KZZ-98 162.400 MHz			
	Valdez, AK WXJ-63 162.55 MHz			
	Cordova, AK WXJ-79 162.40 MHz			
	Whittier, AK KXI-29 162.40 MHz			
	60°53'30"N 147°50'00"W			
(NOS)				
16712	1Ed. 9/25/99 LAST NM 16/03	12/04		
Change	Note to			
	"NOTE			
	NOAA WEATHER RADIO BROADCASTS			
	The NOAA Weather Radio stations listed below provide continuous weather broadcasts.			
	The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.			
	Rugged I, AK WNG-526 162.425 MHz			
	Naked I, AK WNG-530 162.500 MHz			
	Point Pigot, AK KZZ-93 162.450 MHz			
	Cape Hinchinbrook, AK TBD 162.525 MHz			
	Potato Point, AK WNG-527 162.425 MHz			
	Wasilla, AK KZZ-98 162.400 MHz			
	Valdez, AK WXJ-63 162.55 MHz			
	Cordova, AK WXJ-79 162.40 MHz			
	Whittier, AK KXI-29 162.40 MHz			
	61°02'30"N 147°27'10"W			
(NOS)				
★16713	2Ed. 1/19/02 LAST NM 49/02	12/04		
Change	Note to			
	"NOTE			
	NOAA WEATHER RADIO BROADCASTS			
	The NOAA Weather Radio stations listed below provide continuous weather broadcasts.			
	The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.			
	Naked I, AK WNG-530 162.500 MHz			
	Point Pigot, AK KZZ-93 162.450 MHz			
	Cape Hinchinbrook, AK TBD 162.525 MHz			
	Potato Point, AK WNG-527 162.425 MHz			
	Valdez, AK WXJ-63 162.55 MHz			
	Cordova, AK WXJ-79 162.40 MHz			
	Whittier, AK KXI-29 162.40 MHz			
	61°03'00"N 147°02'30"W			
Add (NOS)	Position circle [B33] "R Tr"	60°38'42"N 147°20'49"W		
16723	15Ed. 1/29/00 LAST NM 6/04	12/04		
Change	Note to			
	"NOTE			
	NOAA WEATHER RADIO BROADCASTS			
	The NOAA Weather Radio stations listed below provide continuous weather broadcasts.			
	The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.			
	Cape Hinchinbrook, AK TBD 162.525 MHz			
	Potato Point, AK WNG-527 162.425 MHz			
	Cordova, AK WXJ-79 162.40 MHz			
	60°21'30"N 144°48'45"W			
(NOS)				

★16760	10Ed. 11/18/00 LAST NM 28/03 Change Note to “NOTE NOAA WEATHER RADIO BROADCASTS The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.	12/04	Add Range line extending in 265°30' direction from above light dashed for 100 yards, thence solid for 800 yards (Inset) Delete Sector limits from range light 44°48'33.4"N 124°03'42.9"W	44°48'33"N 124°03'43"W
	Althorp Peak, AK KZZ-86 162.425 MHz Mt. Robert Barron KZZ-87 162.450 MHz Yakutat, AK WXX-69 162.40 MHz” 59°30.0'N 136°40.0'W		Add Range line extending in 265°30' direction from above light 44°48'33.4"N 124°03'42.9"W (NOS; USCG LL)	
16762	9Ed. 3/23/02 LAST NM 26/02 Change Note to “NOTE NOAA WEATHER RADIO BROADCASTS The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.	12/04	19002 9Ed. 3/1/97 LAST NM N8/04 Delete Buoy (FAD) “HK” Change Visibility (range) of light to 8M (4/04 CG14)	N12/04 19°58.4'N 154°58.3'W 21°52.4'N 159°26.8'W
	Althorp Peak, AK KZZ-86 162.425 MHz” 58°05.6'N 136°24.8'W (NOS)		19004 36Ed. 8/25/01 LAST NM 8/04 Delete Buoy (FAD) “HK” Change Visibility (range) of light to 8M (4/04 CG14)	12/04 19°58.5'N 154°58.8'W 21°52.1'N 159°26.7'W
17464	4Ed. 11/4/95 LAST NM 53/00 Add Depth 1½ fathoms (13724)04 Ottawa	12/04	19007 16Ed. 2/12/94 LAST NM 46/03 Change Visibility (range) of light to 8M (4/04 CG14)	12/04 21°52.4'N 159°26.7'W
17513	Ed. 8/4/89 LAST NM N9/04 (Inset) Add Buoy G, pillar, Fl G (Priv) [Q23] (13539)04 Ottawa	N12/04	19008 4Ed. 11/3/84 LAST NM 10/04 Change Visibility (range) of light to 8M (4/04 CG14)	12/04 21°52.4'N 159°26.7'W
17515	7Ed. 7/15/95 LAST NM 43/03 Delete Breakwater Add Solid line (breakwater) [F4.1] between 49°29'49"N 124°40'39"W 49°29'54"N 124°40'41"W Light Fl R (13527)04 Ottawa	12/04	19009 4Ed. 2/16/85 LAST NM 10/04 Change Visibility (range) of light to 8M (4/04 CG14)	12/04 21°52.1'N 159°26.7'W
	49°29'52"N 124°40'38"W		19010 17Ed. 8/02 LAST NM 8/04 Delete Buoy (FAD) “HK” (4/04 CG14)	12/04 19°58.5'N 154°58.9'W
	49°29'49"N 124°40'39"W 49°29'54"N 124°40'41"W		19013 16Ed. 1/25/97 LAST NM 8/04 Change Visibility (range) of light to 8M (4/04 CG14)	12/04 21°52.1'N 159°26.7'W
	49°29'54"N 124°40'41"W		19320 16Ed. 12/14/96 LAST NM 8/04 Delete Buoy (FAD) “HK” (4/04 CG14)	12/04 19°58.9'N 154°58.6'W
17545	13Ed. 4/29/95 LAST NM 43/03 Delete Depth 5 fathoms 2 feet Add Depth 2 fathoms 3 feet (13604)04 Ottawa	12/04	19379 1Ed. 8/16/97 LAST NM N46/03 Change Visibility (range) of light to 8M (4/04 CG14)	N12/04 21°52.1'N 159°26.7'W
★18423	34Ed. 12/03 NEW EDITION (Page E) Change Period of buoy “SA” to 2.5s (Previously published 8/04)	12/04	19380 15Ed. 10/03 LAST NM 8/04 Change Visibility (range) of light to 8M (4/04 CG14)	12/04 21°52.1'N 159°26.7'W
	(Page C) Change Light to Fl G 4s 4M (Previously published 9/04)		19381 8Ed. 7/17/93 LAST NM 7/04 Change Visibility (range) of light to 8M (4/04 CG14)	12/04 21°52'08"N 159°26'39"W
	(Page B, Inset Blaine) Delete Obscured sector from light “4” (NOS; 40/03 CG13)		19387 9Ed. 8/29/98 LAST NM N46/03 Change Visibility (range) of light to 8M (4/04 CG14)	N12/04 21°52'08"N 159°26'39"W
★18561	12Ed. 11/03 NEW EDITION Change Light to “4” Fl R 2.5s 20ft 3M (Previously published 51/03)	12/04	24509 2Ed. 6/24/95 LAST NM 42/03 Add Land tint to area bound by shore and solid line [F13] joining 10°24'19.5"N 75°32'08.1"W 10°24'20.4"N 75°32'16.9"W 10°24'21.5"N 75°32'16.8"W 10°24'24.0"N 75°32'17.7"W 10°24'25.9"N 75°32'16.1"W and delete depths, depth contours, dashed lines and blue tint within above area	12/04 10°24'19.5"N 75°32'08.1"W 10°24'20.4"N 75°32'16.9"W 10°24'21.5"N 75°32'16.8"W 10°24'24.0"N 75°32'17.7"W 10°24'25.9"N 75°32'16.1"W
	Delete Sector limits from range light	44°48'33"N 124°03'43"W		
	Change NIMA Reference No. to 18BHA18561 in lower right margin of chart			

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24509	(Continued)				
	Land tint to area bound by shore and solid line [F13] joining	10°23'58.0"N 75°31'37.2"W 10°23'59.7"N 75°31'36.5"W 10°23'52.6"N 75°31'47.5"W 10°23'53.8"N 75°31'41.9"W 10°23'52.9"N 75°31'41.8"W			
	and delete depths, depth contours and blue tint within above area				
	Legend "Works in progress (2004)"	10°22'44.2"N 75°30'40.6"W			
	Double solid line with land tint (pier) [F14] between	10°20'19.2"N 75°30'41.6"W 10°20'21.6"N 75°30'41.6"W			
	(NTM0003/2004)				
29121	5Ed. 6/28/97 LAST NM 8/04		12/04		
Substitute	Depth contour (100-meter) for (200-meter) enclosing 23.5 meter depth (See 8/04-29121) (51(5666)03 Taunton)	63°27.8'S 61°01.8'W			
35032	16Ed. 7/5/97 LAST NM 12/02		12/04		
Change	Visibility (range) of light to 19M (12/03 Dublin)	52°04.5'N 10°39.7'W			
35036	21Ed. 8/23/97 LAST NM 43/03		12/04		
Change	Visibility (range) of light to 20M (11/03 Dublin)	51°59.6'N 7°35.2'W			
35040	18Ed. 5/10/97 LAST NM 49/03		12/04		
Change	Characteristic of light to Fl WR 5s (3/04 Trinity House)	54°28'40"N 0°34'06"W			
35363	1Ed. 2/4/89 LAST NM 42/00		12/04		
Change	Characteristic of buoy "Doonaha" to Q(3) R 5s (13/03 Dublin)	52°35'28"N 9°38'27"W			
35365	1Ed. 5/20/89 LAST NM 42/00		12/04		
Change	Characteristic of buoy to Q(3) R 5s (13/03 Dublin)	52°35'28"N 9°38'27"W			
35380	8Ed. 5/17/97 LAST NM 36/00		12/04		
Change	Visibility (range) of light to 19M (12/03 Dublin)	52°04'30"N 10°39'42"W			
35390	2Ed. 10/26/96 LAST NM 12/02		12/04		
Change	Visibility (range) of light to 19M (12/03 Dublin)	52°04'30"N 10°39'42"W			
35420	13Ed. 5/10/97 LAST NM 30/02		12/04		
Change	Visibility (range) of light to 20M (11/03 Dublin)	51°59.6'N 7°35.2'W			
37010	23Ed. 9/7/96 LAST NM 8/04		12/04		
Delete	Light vessel	53°19.5'N 0°34.0'E			
Substitute	Buoy RW, pillar, ball topmark, L Fl 10s for light vessel "Newarp"	52°48.4'N 1°55.7'E			
Add	Buoy BYB, pillar, double cone topmark bases together, Q(3) 10s Racon (23/03 Trinity House)	52°19.1'N 0°34.8'E			
37043	17Ed. 8/2/97 LAST NM 46/03		12/04		
Add	Buoy YB, pillar, double cone topmark points downward, Q(6) + L Fl 15s	50°19'52"N 4°26'22"W			
	(32/03 Trinity House)				
37046	18Ed. 12/13/97 LAST NM 46/03		12/04		
Add	Buoy YB, pillar, double cone topmark points downward, VQ(6) + L Fl 10s	50°19'55"N 3°31'53"W			
	Buoy YB, pillar, double cone topmark points downward, Q(6) + L Fl 15s	50°19'52"N 3°32'28"W			
	(32/03 Trinity House)				
37050	9Ed. 6/29/96 LAST NM 17/03		12/04		
Add	Wreck [K29] (40(35)03 Brest)	48°27'31"N 4°56'58"W			
37060	3Ed. 8/16/97 LAST NM 46/03		12/04		
Add	Buoy YB, pillar, double cone topmark points downward, Q(6) + L Fl 15s (32/03 Trinity House)	50°19.9'N 4°26.4'W			
37075	3Ed. 7/5/97 LAST NM 43/03		12/04		
Add	Buoy YB, pillar, double cone topmark points downward, VQ(6) + L Fl 10s	50°19.9'N 3°31.9'W			
	Buoy YB, pillar, double cone topmark points downward, Q(6) + L Fl 15s (32/03 Trinity House)	50°19.9'N 3°32.5'W			
37080	3Ed. 12/28/96 LAST NM 22/03		12/04		
Add	Dangerous wreck [K28] marked close N by buoy BY, pillar, double cone topmark points upward, VQ (33/03 Trinity House)	49°36.3'N 2°13.0'W			
37090	8Ed. 2/8/97 LAST NM 22/03		12/04		
Add	Dangerous wreck [K28] marked close N by buoy BY, pillar, double cone topmark points upward, VQ (33/03 Trinity House)	49°36.3'N 2°13.0'W			
37103	9Ed. 7/18/98 LAST NM 29/02		12/04		
Change	Buoy "E Varne" to BYB, pillar, double cone topmark bases together, VQ(3) 5s	50°58'14.2"N 1°20'53.7"E			
	Buoy "Mid Varne" to YBY, pillar, double cone topmark points together, VQ(9) 10s	50°58'56.2"N 1°19'53.8"E			
	(20/03 Trinity House)				
37110	11Ed. 4/24/99 LAST NM 39/03		12/04		
Change	Buoy "E Varne" to BYB, pillar, double cone topmark bases together, VQ(3) 5s	50°58.2'N 1°20.9'E			
	Buoy "Mid Varne" to YBY, pillar, double cone topmark points together, VQ(9) 10s	50°58.9'N 1°19.9'E			
	(20/03 Trinity House)				
37115	2Ed. 5/10/97 LAST NM 39/03		12/04		
Change	Buoy "E Varne" to BYB, pillar, double cone topmark bases together, VQ(3) 5s	50°58.2'N 1°20.9'E			
	Buoy "Mid Varne" to YBY, pillar, double cone topmark points together, VQ(9) 10s	50°58.9'N 1°19.9'E			
	(20/03 Trinity House)				
37120	2Ed. 3/22/97 LAST NM 45/03		12/04		
Relocate	Buoy "SW Goodwin" from 51°08.6'N 1°28.7'E to	51°08.5'N 1°28.9'E			
Change	Buoy "E Varne" to BYB, pillar, double cone topmark bases together, VQ(3) 5s	50°58.2'N 1°20.9'E			
	Buoy "Mid Varne" to YBY, pillar, double cone topmark points together, VQ(9) 10s	50°58.9'N 1°19.9'E			
	(20, 35/03 Trinity House)				
37121	11Ed. 3/1/97 LAST NM 25/03		12/04		
Relocate	Buoy "SW Goodwin" from 51°08'36"N 1°28'42"E to	51°08'30"N 1°28'53"E			
Change	Buoy "E Varne" to BYB, pillar, double cone topmark bases together, VQ(3) 5s	50°58'14"N 1°20'54"E			
	Buoy "Mid Varne" to YBY, pillar, double cone topmark points together, VQ(9) 10s	50°58'56"N 1°19'54"E			
	(20, 35/03 Trinity House)				
37122	12Ed. 5/17/97 LAST NM 45/03		12/04		
Relocate	Buoy "SW Goodwin" from 51°08'36"N 1°28'42"E to	51°08'30"N 1°28'53"E			
	(35/03 Trinity House)				

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37140	33Ed. 5/25/96 LAST NM 45/03 Relocate Buoy "Storm" from 51°51.9'N 1°38.2'E to 51°52.4'N 1°38.2'E	12/04	Depth 12 meters Wk [K30] (unsurveyed) (PD) for dangerous wreck (PA) 47°34'57"N 3°25'05"W
Change	Buoy "E Varne" to BYB, pillar, double cone topmark bases together, VQ(3) 5s 50°58.2'N 1°20.9'E Buoy "Mid Varne" to YBY, pillar, double cone topmark points together, VQ(9) 10s 50°58.9'N 1°19.9'E (20, 31/03 Trinity House)		Add Depth 71 meters Wk [K30] (unsurveyed) (39(48)03 Brest) 47°33'19"N 3°50'37"W
37147	15Ed. 2/15/97 LAST NM 25/03 Relocate Buoy "Black Deep" from 51°46'39"N 1°33'56"E to (See 20/99-37147) (41/03 Trinity House)	12/04	37343 10Ed. 3/7/98 LAST NM 45/02 Delete BELL from buoy "Bastresses Sud" 12/04 47°40'46.8"N 3°22'5.5"W (39(48)03 Brest)
37148	13Ed. 4/26/97 LAST NM 51/03 Relocate Buoy "Storm" from 51°51'55"N 1°38'13"E to 51°52'25"N 1°38'13"E (See 20/99-37148) (31/03 Trinity House)	12/04	37360 15Ed. 6/22/96 LAST NM 11/04 Substitute Depth 12 meters Wk [K30] (unsurveyed) (PD) for dangerous wreck (PA) 47°34.9'N 3°25.1'W Depth 60 meters Wk [K30] (unsurveyed) for wreck 47°00.5'N 3°09.6'W Depth 98 meters Wk [K30] (unsurveyed) (PD) for wreck (PD) 47°06.9'N 4°00.1'W (39(48)03 Brest)
37150	8Ed. 12/20/97 LAST NM 7/04 Substitute Buoy RW, pillar, ball topmark, L Fl 10s for light vessel "Newarp" 52°48'24"N 1°55'42"E	12/04	37362 6Ed. 7/12/97 LAST NM 39/03 Add Dangerous wreck [K28] 12/04 (40(37)03 Brest) 47°09'32"N 2°25'53"W
Add	Swept depth 26.6 meters Wk [K27] marked close E by buoy BYB, pillar, double cone topmark bases together, VQ(3) 5s Racon and close W by buoy YBY, pillar, double cone topmark points together, VQ(9) 10s 52°33'28"N 2°32'42"E Depth 30 meters Well [L21.2] 52°27'29"N 3°11'10"E (23, 26/03 Trinity House; 45(573)03 's-Gravenhage)		37380 2Ed. 9/11/93 LAST NM 11/04 Substitute Depth 60 meters Wk [K30] (unsurveyed) for wreck 12/04 47°00.5'N 3°09.6'W Add Dangerous wreck [K28] 47°09.5'N 2°25.9'W (39(48), 40(37)03 Brest)
37163	19Ed. 5/9/98 LAST NM 11/04 (Panel B)	12/04	38650 1Ed. 3/9/91 LAST NM 3/04 Add Wreck [K29] 12/04 (11-12(29)02 Reykjavik) 64°23.7'N 11°18.4'W
Add	Period 10s to light 52°23'59"N 4°53'16"E Period 10s to light 52°23'53"N 4°53'29"E Buoy Y, conical, Fl(4) Y 10s 52°23'36"N 4°53'27"E Buoy "IJ 5" G, conical, Iso G 6s 52°23'32"N 4°53'32"E (45(569)03 's-Gravenhage)		42141 3Ed. 1/18/97 LAST NM 6/04 Change Light to Fl 6s 21m 8M Ra Ref 12/04 Light to Fl 8s 22m 14M Ra Ref Light to Fl 5s 21m 9M Ra Ref (BA LL) 72°46.9'N 74°48.2'E 73°00.7'N 74°07.5'E 73°06.6'N 74°27.8'E
37166	2Ed. 7/13/96 LAST NM 11/04 Substitute Buoy RW, pillar, ball topmark, L Fl 10s for light vessel "Newarp" 52°48.4'N 1°55.7'E	12/04	42160 3Ed. 3/8/97 LAST NM 38/03 Change Light to Fl 6s 23m 10M Ra Ref 12/04 Light to Fl 8s 25m 10M Ra Ref 73°09.8'N 71°40.3'E 72°43.9'N 72°38.0'E Add Height 29m to light 72°39.5'N 72°56.9'E Height 25m to light 71°28.8'N 71°49.0'E Height 8m to light 71°17.5'N 72°02.4'E Height 54m to light 71°27.8'N 73°02.3'E Height 34m to light 71°48.0'N 73°31.8'E Height 21m to light 72°46.9'N 74°48.2'E Height 22m to light 73°00.7'N 74°07.5'E Height 21m to light 73°06.6'N 74°27.8'E (BA LL)
Add	Swept depth 26.6 meters Wk [K27] marked close E by buoy BYB, pillar, double cone topmark bases together, VQ(3) 5s Racon and close W by buoy YBY, pillar, double cone topmark points together, VQ(9) 10s 52°33.5'N 2°32.7'E Depth 30 meters Well [L21.2] 52°27.5'N 3°11.2'E (23, 26/03 Trinity House; 45(573)03 's-Gravenhage)		43240 4Ed. 12/28/96 LAST NM 51/02 Change Visibility (range) of light to 5M 12/04 Visibility (range) of light to 1M Visibility (range) of light to 3-1M (BA LL) 63°25.7'N 10°06.8'E 63°27.8'N 10°23.5'E 63°35.0'N 10°36.8'E
37180	20Ed. 3/8/97 LAST NM 49/03 Delete Light vessel "Inner Dowding" 53°19'30"N 0°33'51"E	12/04	43244 4Ed. 1/25/86 LAST NM 1/99 Change Visibility (range) of light to 5M 12/04 Visibility (range) of light to 1M Light to Oc WRG 6s 10ft 10-7M Light to Oc(2) WRG 20ft 10-8M Light to Oc WRG 6s 21ft 9-7M Visibility (range) of light to 3-1M Light to Oc(2) WRG 8s 29ft 9-6M Visibility (range) of light to 3M 63°25'42"N 10°06'48"E 63°27'49"N 10°23'33"E 63°25'54"N 10°45'42"E 63°27'57"N 10°53'18"E 63°35'00"N 10°49'42"E 63°35'00"N 10°37'09"E 63°37'57"N 10°47'00"E 63°44'06"N 11°08'18"E
Add	Buoy BYB, pillar, double cone topmark bases together, Q(3) 10s Racon 53°19'06"N 0°34'48"E (23/03 Trinity House)		Add Period 8s to light 63°33'08"N 10°52'54"E Period 6s to light 64°00'42"N 11°28'15"E (BA LL)
37248	18Ed. 2/14/98 LAST NM 7/04 Add Depth 3.2 meters 51°26'28.8"N 3°25'51.6"E (45(571)03 's-Gravenhage)	12/04	43245 4Ed. 7/25/98 LAST NM 52/98 Change Light to 2 FR 7m 1M 12/04 Light to Iso G 4s 8m 1M 63°26'42.5"N 10°25'11.7"E 63°26'39.2"N 10°24'14.5"E
37320	16Ed. 9/6/97 LAST NM 11/04 Add Wreck [K29] 48°27'31"N 4°56'58"W (40(35)03 Brest)	12/04	
37342	3Ed. 10/5/96 LAST NM 45/03 Delete Wreck (PD) 47°33'14"N 3°50'31"W Bell from buoy "Bastresses Sud" 47°40'47"N 3°22'06"W	12/04	
Substitute	Depth 41 meters Wk [K30] (unsurveyed) for wreck 47°37'01"N 3°31'56"W Depth 15 meters Wk [K30] (unsurveyed) for wreck 47°38'34"N 3°32'53"W Depth 20 meters Wk [K30] (unsurveyed) for wreck 47°38'16"N 3°32'02"W		

(continued on next page)

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43245	(Continued)					
	Light to Iso G 6s 2m and delete sector limits	63°26'39.2"N 10°24'14.5"E		Range line extending in 091°18' direction from above rear light dashed for 220 meters, thence solid for 1400 meters		
Add	Visibility (range) 1M to light	63°27'49.2"N 10°23'33.1"E				
	Visibility (range) 1M to light	63°26'47.2"N 10°25'00.0"E				
	Visibility (range) 1M to light	63°26'13.3"N 10°23'28.5"E				
	Visibility (range) 1M to light	63°26'11.5"N 10°23'29.5"E				
(BA LL)				Legend "Lts in line 271°18'" along above range line	58°40'41"N 17°09'12"E	
(48(1466, 1467)98 Norrkoping)						
43370	7Ed. 6/29/96 LAST NM 47/03	12/04				
Change	Visibility (range) of light to 5-3M	59°33'47"N 10°24'27"E				
(BA LL)						
43371	13Ed. 4/17/99 LAST NM 10/04	12/04				
Change	Visibility (range) of light to 5-3M	59°33'47"N 10°24'27"E				
Add	BELL to light	59°35'52"N 10°25'14"E				
	(Plan)					
Add	BELL to light	59°35'50.3"N 10°25'15.5"E				
(BA LL)						
43372	4Ed. 3/16/91 LAST NM 10/04	12/04				
Change	Light to Oc 3m 5M	59°53'05.8"N 10°41'51.5"E				
Add	Visibility (range) 1M to light	59°53'21.2"N 10°41'05.2"E				
(BA LL)						
43385	1Ed. 8/22/92 LAST NM 8/04	12/04				
Add	Dangerous submerged rock [K13]	58°04'20"N 11°33'24"E				
	Depth 10 meters	58°04'22"N 11°33'20"E				
(40(1432)03 Norrkoping; Swd CH 16)						
44042	7Ed. 8/22/92 LAST NM 9/04	12/04				
Add	Floodlight symbol [P63] to beacon	57°42'33.6"N 11°40'51.0"E				
	(See 32/03-44042)					
(43(1309)98 Norrkoping)						
44049	9Ed. 6/15/96 LAST NM 9/04	12/04				
Change	Characteristic of buoy to VQ(3) 5s	55°40'07"N 12°55'15"E				
	Sectors of light between 140° and 176°30' to red 140°-157°30', green-176°30'	55°38'10"N 12°41'13"E				
	(See 1/01-44049)					
(43(1306)98 Norrkoping; 5(104)02 Helsinki)						
44050	21Ed. 10/28/95 LAST NM 32/03	12/04				
Change	Sectors of light between 140° and 176°30' to red 140°-157°30', green-176°30'	55°38'10.2"N 12°41'12.6"E				
(5(104)02 Helsinki)						
44164	1Ed. 12/2/89 LAST NM 6/04	12/04				
Delete	Buoy	58°36'42.0"N 16°57'48.0"E				
Change	Sectors of range light, rear between 028° and 095° to green 028°-058°, white-062°30', red- 095°	58°38'25.2"N 17°07'46.8"E				
Add	Buoy YB, spar, double cone topmark points downward	58°37'30.5"N 17°04'18.4"E				
	Buoy BY, spar, double cone topmark points upward	58°36'31.8"N 16°57'58.0"E				
	Buoy G, spar, cone topmark	58°37'02.0"N 17°00'47.8"E				
	Buoy G, spar, cone topmark	58°36'47.0"N 16°59'21.0"E				
	Buoy G, conical, Fl(2) G 6s	58°36'43.0"N 16°58'48.6"E				
	Depth 10.4 meters	58°36'31.6"N 16°58'01.8"E				
(43(1296), 48(1467)98 Norrkoping; Swd CH 621, 6211)						
44165	1Ed. 10/6/90 LAST NM 11/04	12/04				
Change	Sectors of range light, rear to red 177°-248°, green-301°, white-309°, red-028°, green-058°, white-062°30', red-095°, green-141°	58°38'25"N 17°07'47"E				
Add	Range light [P20.1], front FR	58°40'45"N 17°08'00"E				
	Range light, rear FR	58°40'45"N 17°07'50"E				
(42(1270)98 Norrkoping)						
44180	6Ed. 7/6/91 LAST NM 11/04	12/04				
Add	Submarine cable [L30.1] joining	59°58.0"N 20°16.7"E 59°57.5"N 20°17.5"E 59°57.0"N 20°17.5"E 59°55.9"N 20°18.5"E 59°56.3"N 20°22.2"E 59°56.3"N 20°24.7"E 59°56.2"N 20°25.4"E 59°56.0"N 20°28.2"E 59°56.0"N 20°29.0"E 59°56.1"N 20°29.5"E 59°55.5"N 20°31.5"E 59°55.1"N 20°34.6"E 59°55.1"N 20°36.3"E 59°55.5"N 20°38.3"E 59°54.7"N 20°43.0"E 59°54.8"N 20°44.4"E 59°54.8"N 20°45.0"E 59°55.6"N 20°49.1"E 59°55.4"N 20°49.8"E 59°55.8"N 20°51.5"E 59°55.8"N 20°51.7"E				
(2(25)03 Helsinki)						
44181	5Ed. 4/6/96 LAST NM 9/04	12/04				
Add	Submarine cable (power) [L31.1] joining	59°14'11.4"N 18°35'12.0"E 59°14'15.0"N 18°35'10.8"E 59°14'15.6"N 18°35'16.2"E 59°14'10.4"N 18°35'55.2"E 59°14'05.4"N 18°35'57.6"E 59°14'04.2"N 18°35'54.0"E				
	Submarine cable (power) [L31.1] joining	59°14'04.2"N 18°35'54.0"E 59°14'03.0"N 18°35'51.6"E 59°14'02.4"N 18°35'43.8"E 59°14'03.6"N 18°35'39.6"E				
	Submarine cable (power) [L31.1] joining	59°14'04.2"N 18°35'54.0"E 59°13'57.6"N 18°36'16.2"E 59°13'51.6"N 18°36'18.0"E				
	Submarine cable (power) [L31.1] joining	59°13'47.4"N 18°36'16.8"E 59°13'31.2"N 18°35'57.4"E 59°13'30.0"N 18°35'50.4"E				
(42(1264)98 Norrkoping)						
44182	4Ed. 5/28/94 LAST NM 8/04	12/04				
Add	Submarine cable [L30.1] joining	59°20'06.6"N 17°59'38.4"E 59°20'12.6"N 17°59'37.8"E 59°20'18.6"N 17°59'39.6"E 59°20'22.8"N 17°59'37.8"E 59°20'28.8"N 17°59'25.8"E 59°20'32.4"N 17°59'10.2"E 59°20'40.2"N 17°58'47.4"E 59°20'48.0"N 17°58'48.6"E 59°20'54.6"N 17°58'34.8"E 59°20'59.4"N 17°58'25.8"E 59°20'59.4"N 17°58'21.0"E				
(42(1270)98 Norrkoping)						
44186	2Ed. 6/15/96 LAST NM 11/04	12/04				
Change	Sectors of light to green 200°-229°, white- 233°, red-320°, green-046°, white-049°, red- 052°, green-070°	59°39'50"N 18°55'55"E				
Add	Dangerous submerged rock [K13]	59°38'35"N 18°44'08"E				
(51-52(1869, 1871)97 Norrkoping)						

44193	1Ed. 7/16/94 LAST NM 9/04 Add Submarine pipeline [L40.1] between	12/04 59°25'07"N 16°58'46"E 59°24'40"N 16°58'34"E	Buoy YBY, spar, double cone topmark points together 65°33'43"N 22°44'28"E
	Submarine pipeline [L40.1] between	59°23'23"N 17°00'27"E 59°23'14"N 17°00'25"E	Buoy YB, spar, double cone topmark points downward 65°31'36"N 22°48'24"E
	(40(1433)03 Norrkoping)		Buoy BY, spar, double cone topmark points upward 65°32'01"N 22°41'25"E
44200	9Ed. 7/20/96 LAST NM 50/03 Add Submarine cable [L30.1] joining	12/04 59°58.0'N 20°16.7'E 59°57.5'N 20°17.5'E 59°57.0'N 20°17.5'E 59°55.9'N 20°18.5'E 59°56.3'N 20°22.2'E 59°56.3'N 20°24.7'E 59°56.2'N 20°25.4'E 59°56.0'N 20°28.2'E 59°56.0'N 20°29.0'E 59°56.1'N 20°29.5'E 59°55.5'N 20°31.5'E 59°55.1'N 20°34.6'E 59°55.1'N 20°36.3'E 59°55.5'N 20°38.3'E 59°54.7'N 20°43.0'E 59°54.8'N 20°44.4'E 59°54.8'N 20°45.0'E 59°55.6'N 20°49.1'E 59°55.4'N 20°49.8'E 59°55.8'N 20°51.5'E 59°55.8'N 20°51.7'E	Buoy YBY, spar, double cone topmark bases together 65°28'48"N 22°42'49"E
	Submarine cable [L30.1] joining	60°01.1'N 21°14.0'E 60°00.8'N 21°11.9'E 60°00.0'N 21°10.7'E 59°59.9'N 21°10.1'E 59°59.5'N 21°10.1'E 59°58.3'N 21°07.0'E 59°58.1'N 20°58.7'E 59°57.9'N 20°55.3'E 59°57.1'N 20°52.9'E 59°56.8'N 20°52.3'E 59°56.1'N 20°51.6'E 59°55.8'N 20°51.7'E	Buoy YB, spar, double cone topmark points upward 65°27'33"N 22°35'52"E
	(2(25)03 Helsinki)		Buoy YB, spar, double cone topmark points downward 65°27'34"N 22°36'24"E
	(43(1290)98 Norrkoping)		(43(1290)98 Norrkoping)
44203	1Ed. 2/6/93 LAST NM 8/04 Add Buoy G, spar, Fl(2) G 6s	12/04 60°09'45"N 18°31'30"E	60°07.0'N 21°28.0'E 60°06.3'N 21°27.6'E
	Double solid line with land tint (bridge) [D22] between	60°03'16"N 18°45'59"E 60°03'17"N 18°46'11"E	60°05.3'N 21°24.4'E 60°03.7'N 21°22.0'E
	(48(1461, 1462)98 Norrkoping)		60°03.1'N 21°21.0'E 60°01.7'N 21°17.9'E 60°01.1'N 21°14.1'E 60°00.8'N 21°11.9'E 60°00.0'N 21°10.7'E 59°59.9'N 21°10.1'E 59°58.3'N 21°07.0'E 59°58.1'N 20°58.7'E 59°57.9'N 20°55.3'E 59°57.1'N 20°52.9'E 59°56.8'N 20°52.3'E 59°56.1'N 20°51.6'E 59°55.8'N 20°51.7'E
44223	1Ed. 9/5/92 LAST NM 11/04 Delete Buoy	12/04 62°28'22"N 17°20'32"E	Submarine cable [L30.1] joining 59°55.6'N 20°49.0'E
	Buoy	62°28'20"N 17°20'08"E	59°55.4'N 20°49.8'E
	(40(1429)03 Norrkoping)		59°55.8'N 20°51.5'E
			59°55.8'N 20°51.7'E
44281	2Ed. 4/6/96 LAST NM 11/04 Add	12/04 Buoy BY, spar, double cone topmark points upward 65°35'01"N 22°31'27"E Buoy YBY, spar, double cone topmark points together 65°35'03"N 22°31'36"E	Submarine cable [L30.1] joining 59°55.6'N 20°49.0'E
	Buoy BY, spar, double cone topmark points upward 65°35'14"N 22°32'27"E	59°55.4'N 20°49.8'E	
	Buoy BY, spar, double cone topmark points upward 65°35'19"N 22°34'12"E	59°55.8'N 20°51.5'E	
	Buoy RW, spar, ball topmark 65°32'38"N 22°32'09"E	59°55.8'N 20°51.7'E	
	Buoy BYB, spar, double cone topmark bases together 65°32'32"N 22°34'24"E	(2(25)03 Helsinki)	
	Buoy YB, spar, double cone topmark points downward 65°32'47"N 22°37'00"E		
	Buoy YBY, spar, double cone topmark points together 65°31'39"N 22°36'16"E		
	Buoy BYB, spar, double cone topmark bases together 65°34'19"N 22°37'28"E		
	Buoy YBY, spar, double cone topmark points together 65°34'15"N 22°37'47"E		
	Buoy BYB, spar, double cone topmark bases together 65°34'17"N 22°38'54"E		
	Buoy YB, spar, double cone topmark points downward 65°34'24"N 22°38'57"E		
44340	11Ed. 8/10/96 LAST NM 7/04 Delete Beacon	12/04 Beacon (2(18, 19)04 Tallinn)	59°16.4'N 23°43.9'E 59°14.0'N 23°40.6'E
44400	4Ed. 9/7/96 LAST NM 7/04 Add	12/04 Depth 4.8 meters Depth 11.6 meters Depth 14.4 meters (2(20, 21)04 Tallinn)	58°11.5'N 24°04.9'E 58°01.1'N 23°42.3'E 58°01.2'N 23°43.2'E
44401	7Ed. 9/29/01 LAST NM 6/04 Change	12/04 Characteristic of range light, front to Oc Y 5s Characteristic of range light, rear to Oc Y 5s (2(12, 13)04 Riga)	57°02'23.4"N 24°04'34.2"E 57°02'11.4"N 24°05'01.8"E
51109	5Ed. 7/15/95 LAST NM 5/04 (Plan) Change	12/04 Buoy "N" to "4" R, pillar, Fl(2) R 5s Buoy "S" to "2" R, pillar, Fl(3) R 8s (15(215)00 Lisboa)	41°10'52"N 8°42'35"W 41°10'49"N 8°42'30"W
51150	(INT 1811) 1Ed. 3/24/90 LAST NM 9/04 Change	12/04 Period of light to 5s (19(305)03 Lisboa)	37°04.6'N 8°07.3'W
51155	1Ed. 7/7/84 LAST NM 22/03 Change	12/04 Period of light to 5s (19(305)03 Lisboa)	37°04'24"N 8°07'18"W

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51160	20Ed. 9/22/90 LAST NM 45/03 Add Sandwave symbol [J14] (49(712)03 Cadiz)	12/04 37°09.3'N 7°23.5'W	54090	3Ed. 9/14/02 LAST NM 6/04 Add Wreck [K29] (19(9)03 Genova)	12/04 39°58.3'N 18°27.3'E
51163	4Ed. 2/4/84 LAST NM 43/03 Add Chartlet A, depicting changes in hydrography, topography and aids to navigation from Subsection I-2 36°46'00.0"N 6°25'30.0"W Chartlet B, depicting changes in hydrography, topography and aids to navigation from Subsection I-2 36°47'00.0"N 6°21'18.0"W (Spn CH 4421)	12/04 36°46'00.0"N 6°25'30.0"W 36°47'00.0"N 6°21'18.0"W	54131	2Ed. 2/10/01 LAST NM 50/03 Add Wreck [K29] (19(9)03 Genova)	12/04 39°58.3'N 18°27.3'E
51261	23Ed. 6/4/94 LAST NM 46/03 Add Danger circle [K40] "Obstn (Marine farm)" (25(388)03 Lisboa)	12/04 32°44.3'N 16°41.3'W	54227	2Ed. 7/15/95 LAST NM 47/03 Delete Light (See 35/98-54227)	12/04 43°01'48.9"N 17°25'27.3"E
52046	21Ed. 10/14/00 LAST NM 21/03 Delete Submarine pipeline between Anchoring and fishing prohibited area in vicinity 36°41'48"N 4°25'36"W "NAVIGATION PROHIBITED" area in vicinity 36°41'18"N 4°24'36"W Buoy 36°41'10"N 4°24'17"W Add Buoy Y, spherical, Q(5) Y 20s Fish haven area with blue tint [K46.1] joining 36°43'33"N 3°58'42"W 36°43'18"N 3°57'59"W 36°43'07"N 3°58'22"W 36°43'15"N 3°58'49"W 36°43'33"N 3°59'39"W (Plan) Delete Submarine pipeline between 36°41'58.6"N 4°26'06.0"W 36°41'21.7"N 4°24'43.1"W "ANCHORING AND FISHING PROHIBITED" area in vicinity 36°41'48.0"N 4°25'36.0"W "NAVIGATION PROHIBITED" area in vicinity 36°41'21.0"N 4°24'36.0"W Buoy 36°41'43.2"N 4°25'31.8"W Buoy 36°41'29.0"N 4°25'02.0"W Buoy 36°41'29.4"N 4°24'54.0"W Buoy 36°41'10.2"N 4°24'17.4"W Beacon 36°41'22.2"N 4°25'42.0"W Buoys (3) in vicinity 36°41'36.0"N 4°24'27.0"W Buoys (4) in vicinity 36°41'16.0"N 4°24'45.0"W (18(248)00, 13(243)03 Cadiz)	12/04 36°41'59"N 4°26'06"W 36°41'22"N 4°24'43"W 36°41'48"N 4°25'36"W 36°41'18"N 4°24'36"W 36°41'10"N 4°24'17"W 36°39'35"N 4°26'37"W 36°43'33"N 3°58'42"W 36°43'18"N 3°57'59"W 36°43'07"N 3°58'22"W 36°43'15"N 3°58'49"W 36°43'33"N 3°59'39"W 36°41'58.6"N 4°26'06.0"W 36°41'21.7"N 4°24'43.1"W 36°41'48.0"N 4°25'36.0"W 36°41'21.0"N 4°24'36.0"W 36°41'43.2"N 4°25'31.8"W 36°41'29.0"N 4°25'02.0"W 36°41'29.4"N 4°24'54.0"W 36°41'10.2"N 4°24'17.4"W 36°41'22.2"N 4°25'42.0"W 36°41'36.0"N 4°24'27.0"W 36°41'16.0"N 4°24'45.0"W (18(248)00, 13(243)03 Cadiz)	62177	3Ed. 10/3/98 LAST NM 42/01 Add Depth 28 meters Wk [K30] (unsurveyed) (Plan) Add Depth 28 meters Wk [K30] (unsurveyed) (25(34)03 Brest)	12/04 26°43'13"N 33°56'48"E
★62434	9Ed. 12/8/01 LAST NM 11/04 Delete Note "MINE DANGER AREA" Substitute Purple composite line for purple dashed line joining (See 40/02, 4/04-62434)	12/04 29°42'48"N 48°18'54"E 29°37'16"N 48°32'30"E 29°37'16"N 48°39'38"E 29°40'18"N 48°48'00"E 29°51'28"N 48°48'00"E 29°51'28"N 48°46'20"E 29°37'16"N 48°32'30"E Change Legend "MINE DANGER AREA (SEE NOTE)" to "CAUTION NO 5" Legend "MINE DANGER AREA (SEE NOTE)" to "CAUTION NO 5" (NTM0006/2004)	62490	2Ed. 3/1/03 LAST NM 9/04 Substitute Purple composite line for purple dashed line and tint joining (See 40/02, 4/04-62490)	12/04 29°37.3'N 48°32.5'E 29°37.3'N 48°39.6'E 29°40.3'N 48°48.0'E 29°51.5'N 48°48.0'E 29°51.5'N 48°46.3'E 29°37.3'N 48°32.5'E Change Legend "Mine Danger Area (see note)" to "Former Mine Danger Area (see note)" in vicinity (NTM0006/2004)
52140	6Ed. 3/30/96 LAST NM 7/04 Add Depth 33 meters enclosed by depth contour (50-meter) centered (Plan) Add Depth 33 meters enclosed by depth contour (50-meter) centered (13(248)03 Cadiz)	12/04 39°07.8'N 2°55.1'E 39°07'50"N 2°55'06"E	62540	6Ed. 1/26/02 LAST NM 9/04 Substitute Purple composite line for purple dashed line and tint joining (See 40/02, 4/04-62540)	12/04 29°37.3'N 48°32.5'E 29°37.3'N 48°39.6'E 29°40.3'N 48°48.0"E 29°51.5'N 48°48.0'E 29°51.5'N 48°46.3'E 29°37.3'N 48°32.5'E Change Legend "MINE DANGER AREA (SEE NOTE)" to "CAUTION NO 1" (NTM0006/2004)
53200	6Ed. 12/18/93 LAST NM 11/04 Add Danger circle "Obstn (Marine Farm)" (19(6)03 Genova)	12/04 37°02.0'N 14°10.2'E	62541	3Ed. 1/26/02 LAST NM N9/04 Substitute Purple composite line for purple dashed line and tint joining (See 40/02, 4/04-62541)	N12/04 29°37.3'N 48°32.5'E 29°37.3'N 48°39.6'E 29°40.3'N 48°48.0"E 29°51.5'N 48°48.0'E 29°51.5'N 48°46.3'E 29°37.3'N 48°32.5'E Change Legend "MINE DANGER AREA (SEE NOTE)" to "CAUTION NO 1" (NTM0006/2004)
53220	6Ed. 9/27/86 LAST NM 10/04 Add Danger circle "Obstn (Marine Farm)" (19(6)03 Genova)	12/04 37°02.0'N 14°10.2'E			
53226	3Ed. 11/9/02 LAST NM 35/03 Add Danger circle "Obstn (Marine Farm)" (19(6)03 Genova)	12/04 37°02'00"N 14°10'13"E			
54060	5Ed. 2/24/96 LAST NM 6/04 Add Wreck [K29] (19(9)03 Genova)	12/04 39°58.3'N 18°27.3'E			

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62570	4Ed. 1/26/02 LAST NM 11/04 Substitute Purple composite line for purple dashed line and tint joining	12/04 29°37'16"N 48°32'30"E 29°37'16"N 48°39'38"E 29°40'18"N 48°48'00"E 29°51'28"N 48°48'00"E 29°51'28"N 48°46'20"E 29°37'16"N 48°32'30"E	71257	2Ed. 6/29/96 LAST NM 11/04 Relocate Buoy "Salu" from 1°12'30"N 103°40'29"E to 1°12'34"N 103°40'32"E	12/04
Change	Legend "MINE DANGER AREA (SEE NOTE)" to "CAUTION NO 1" (NTM0006/2004)	29°39'30"N 48°37'30"E	Substitute Depth 19.4 meters Wk [K26] for 18 meters Wk (4(34), 6(47)03 Singapore)	1°13'04"N 103°48'32"E	
62590	2Ed. 5/29/99 LAST NM 11/04 Substitute Purple composite line for purple dashed line joining	12/04 29°37'16"N 48°32'30"E 29°37'16"N 48°39'38"E 29°40'18"N 48°48'00"E 29°51'28"N 48°48'00"E 29°51'28"N 48°46'20"E 29°37'16"N 48°32'30"E	71258	2Ed. 8/10/96 LAST NM 10/04 Relocate Buoy "Salu" from 1°12'30"N 103°40'29"E to 1°12'34"N 103°40'32"E	12/04
Change	Legend "MINE DANGER AREA" to "CAUTION NO 2"	29°39'45"N 48°38'15"E	Substitute Depth 19.4 meters Wk [K26] for 18 meters Wk (4(34), 6(47)03 Singapore)	1°13'04"N 103°48'32"E	
	Legend "Limit of Mine Danger Area CAUTION NO 1" to "Limit of Former Mine Danger Area CAUTION NO 2" between	29°44'30"N 48°39'45"E 29°47'45"N 48°43'00"E	73601	3Ed. 2/21/98 LAST NM 43/03 Change Visibility (range) of light to 10M (144)00 Wollongong)	12/04 10°13.3'S 151°52.0'E
	Caution No. 1 of CAUTIONS note in upper right margin of chart to "1. Reserved." (NTM0006/2004)		73620	2Ed. 8/23/97 LAST NM 8/98 Change Visibility (range) of light to 10M (144)00 Wollongong)	12/04 10°13'18"S 151°52'00"E
62591	3Ed. 5/29/99 LAST NM N11/04 Substitute Purple composite line for purple dashed line joining	N12/04 29°37'16"N 48°32'30"E 29°37'16"N 48°39'38"E 29°40'18"N 48°48'00"E 29°51'28"N 48°48'00"E 29°51'28"N 48°46'20"E 29°37'16"N 48°32'30"E	74004	2Ed. 2/11/95 LAST NM 30/03 Add Wreck [K29] (141)00 Wollongong)	12/04 19°46.8'S 148°57.4'E
Change	Legend "MINE DANGER AREA" to "CAUTION NO 2"	29°39'45"N 48°38'15"E	74230	7Ed. 8/26/95 LAST NM 50/03 Add Wreck [K29] (141)00 Wollongong)	12/04 19°46.8'S 148°57.4'E
	Legend "Limit of Mine Danger Area CAUTION NO 1" to "Limit of Former Mine Danger Area CAUTION NO 2" between	29°44'30"N 48°39'45"E 29°47'45"N 48°43'00"E	74555	3Ed. 8/30/97 LAST NM 5/03 Add Position circle "FAD (See Note)" Position circle "FAD (See Note)" Note from Subsection I-2 (272)00 Wollongong)	12/04 31°54.5'S 115°12.0'E 31°57.3'S 115°15.7'E 32°00.0'S 115°13.5'E 32°00.0'S 115°20.0'E 32°03.3'S 115°19.5'E 32°05.0'S 115°11.0'E 32°08.5'S 115°10.5'E 33°38.5'S 115°37.5'E
	Caution No. 1 of CAUTIONS note in upper right margin of chart to "1. Reserved." (NTM0006/2004)		74583	15Ed. 10/14/95 LAST NM 48/03 Add Position circle "FAD (See Note)" Position circle "FAD (See Note)" Note from Subsection I-2 (272)00 Wollongong)	12/04 31°54'30"S 115°12'00"E 31°57'21"S 115°15'44"E 32°00'00"S 115°13'30"E 32°00'00"S 115°20'00"E 32°03'12"S 115°19'30"E 32°05'00"S 115°11'00"E 32°08'30"S 115°10'30"E 32°10'00"S 115°51'18"E
71247	18Ed. 7/10/99 LAST NM 11/04 Delete Depth 18 meters Wk	12/04 1°13'04.0"N 103°48'33.5"E	74591	7Ed. 8/29/98 LAST NM 38/03 (Plan) Change Light to F Bu Light to F Bu Light to FR Light to FR (4123)00 Wollongong)	12/04 33°19'13.2"S 115°39'08.4"E 33°19'20.4"S 115°39'08.4"E 33°19'29.4"S 115°39'48.6"E 33°19'31.2"S 115°39'51.6"E
	Add Depth 19.4 meters Wk [K26] (647)03 Singapore)	1°13'04.2"N 103°48'32.4"E	81067	6Ed. 8/03 LAST NM 46/03 Relocate Buoy "2" from 15°13'07"N 145°41'16"E to 15°13'13"N 145°41'25"E (404 CG14)	12/04
71251	11Ed. 12/16/00 LAST NM 10/04 (Panel B) Substitute Depth 18.8 meters for 18.6 meters (See 50/03-71251) (753)03 Singapore)	12/04 1°24'07.8"N 104°00'37.2"E			
71253	10Ed. 12/27/97 LAST NM 21/03 Delete Depth 18 meters Wk	12/04 1°13'04.0"N 103°48'33.5"E	★81076	10Ed. 8/03 LAST NM 44/03 Relocate Buoy "2" from 15°13'07.2"N 145°41'16.2"E to 15°13'12.7"N 145°41'24.9"E (404 CG14)	12/04
	Add Buoy "Butun" R, can, Fl R 2 1/2s Depth 19.4 meters Wk [K26] (645, 47)03 Singapore)	1°16'04.2"N 103°43'39.0"E 1°13'04.2"N 103°48'32.4"E	82095	2Ed. 11/18/95 LAST NM 14/96 Change Visibility (range) of light to 10M (145)00 Wollongong)	12/04 3°00'00"S 150°43'42"E
71255	6Ed. 3/22/03 LAST NM 11/04 Relocate Buoy "Salu" from 1°12'41.5"N 103°40'57.5"E to 1°12'34.2"N 103°40'31.8"E (434)03 Singapore)	12/04 1°12'34.2"N 103°40'31.8"E			

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82105	2Ed. 7/13/96 LAST NM 36/96 Change Visibility (range) of light to 10M (145)00 Wollongong)	12/04 3°00'06"S 150°43'42"E	(See 9/03-95282) (7(212), 14(487)03 Tokyo; Jpn CH W1167)
82200	2Ed. 11/18/95 LAST NM 41/03 Change Visibility (range) of light to 10M Visibility (range) of light to 10M Visibility (range) of light to 10M Visibility (range) of light to 10M (145)00 Wollongong)	12/04 4°04.5'S 151°30.8"E 4°09.9"S 152°24.7"E 4°50.8"S 152°52.6"E 5°27.0"S 152°04.8"E	95285 3Ed. 11/8/97 LAST NM 20/03 Add Solid line (breakwater) [F4.1] between (13(43)02 Tokyo)
82201	2Ed. 11/18/95 LAST NM 39/98 Change Visibility (range) of light to 10M Visibility (range) of light to 10M (145)00 Wollongong)	12/04 4°09'54"S 152°24'45"E 4°50'48"S 152°52'36"E	97149 20Ed. 11/29/97 LAST NM 25/03 Add Legend "Lesser depths reported (2004)" between (2(46)04 Tokyo)
94033	5Ed. 10/28/95 LAST NM 2/04 Add Dangerous wreck [K28] (49(1075)03 Tianjin)	12/04 37°34.5'N 119°48.2"E	97155 14Ed. 12/27/97 LAST NM 10/04 Add Legend "Lesser depths reported (2004)" between (2(45)04 Tokyo)
94187	3Ed. 4/20/96 LAST NM 46/03 Add Buoy "B2" G, pillar, cone topmark, Fl(2) G 6s 27°58'31.4"N 120°47'37.8"E Buoy "B4" G, pillar, cone topmark, Fl(3) G 10s 27°59'20.6"N 120°47'35.8"E Buoy "H1" Y, pillar, "X" topmark, Mo(P) Y 15s 27°57'32.4"N 120°50'49.8"E Buoy "H2" Y, pillar, "X" topmark, Mo(P) Y 15s 27°58'22.4"N 120°49'52.8"E (38(794), 42(889)03 Tianjin; Cna CH 13741)	12/04	97238 11Ed. 8/30/97 LAST NM 25/99 Delete Depth 2.9 meters Depth 4.2 meters Depth 1 meter Depth 6.4 meters Depth 7.4 meters Depth 1.2 meters Depth 7.3 meters Substitute Depth 6.1 meters for 5.1 meters Depth 4.4 meters for 2.1 meters Add Land tint to area bound by shore and solid line [F13] joining Land tint to area bound by shore and solid line [F13] joining and delete all hydrography within above area
94360	6Ed. 10/21/95 LAST NM 8/04 Add Dangerous wreck [K28] (49(1075)03 Tianjin)	12/04 37°34.5'N 119°48.2"E	12/04 34°29'49.0"N 133°45'46.0"E 34°29'41.9"N 133°45'42.9"E 34°29'19.0"N 133°45'00.0"E 34°29'14.6"N 133°45'03.8"E 34°29'13.2"N 133°45'08.6"E 34°29'13.2"N 133°45'11.9"E 34°29'11.9"N 133°45'00.0"E 34°29'49.0"N 133°45'43.2"E 34°29'44.0"N 133°45'44.4"E 34°29'45.5"N 133°45'48.0"E 34°29'45.6"N 133°45'47.0"E 34°29'43.4"N 133°45'46.5"E 34°29'43.2"N 133°45'45.0"E 34°29'42.1"N 133°45'45.0"E 34°29'41.5"N 133°45'45.9"E 34°29'41.6"N 133°45'46.0"E 34°29'41.6"N 133°45'47.0"E 34°29'45.0"N 133°45'47.2"E 34°29'45.2"N 133°45'48.0"E 34°29'15.8"N 133°45'15.0"E 34°29'13.0"N 133°45'14.0"E 34°29'15.8"N 133°45'04.2"E 34°29'19.5"N 133°45'02.2"E
94420	3Ed. 9/23/95 LAST NM 2/04 Add Dangerous wreck [K28] (49(1075)03 Tianjin)	12/04 37°34.5'N 119°48.2"E	
94421	10Ed. 3/23/96 LAST NM 4/03 Change Characteristic of buoy "2" to Fl R 4s 38°55'55"N 121°40'49"E Characteristic of buoy "4" to Fl(2) G 6s 38°57'23"N 121°43'15"E Characteristic of buoy "6" to Fl(2) G 6s 38°57'23"N 121°39'31"E (31(621)03 Tianjin)	12/04	
94423	12Ed. 1/21/95 LAST NM 11/03 Change Characteristic of buoy "2" to Fl R 4s 38°55'54.6"N 121°40'46.8"E Characteristic of buoy "4" to Fl(2) G 6s 38°57'22.2"N 121°43'16.2"E Characteristic of buoy "6" to Fl(2) G 6s 38°57'22.2"N 121°39'30.0"E Characteristic of buoy "8" to Fl(2) G 6s 38°56'54.6"N 121°37'40.8"E (See 16/97, 19/02-94423) (31(621)03 Tianjin)	12/04	
95273	2Ed. 4/23/94 LAST NM 48/02 Add Danger circle "Obstn" [K40] (2(40)04 Tokyo)	12/04 37°57'00"N 139°02'12"E	Foul ground symbol [K31] 34°29'16.0"N 133°45'01.9"E Dolphin [F20] 34°29'46.6"N 133°45'47.0"E Dolphin [F20] 34°29'44.8"N 133°45'46.0"E Dolphin [F20] 34°29'43.8"N 133°45'46.1"E Dolphin [F20] 34°29'13.4"N 133°45'10.8"E Dolphin [F20] 34°29'40.2"N 133°45'46.8"E Depth 2.2 meters 34°29'50.2"N 133°45'46.5"E Depth 0.6 meter 34°29'47.5"N 133°45'46.3"E Depth 4.6 meters 34°29'42.2"N 133°45'42.8"E Depth 4.7 meters 34°29'40.5"N 133°45'42.1"E Depth 0.3 meter 34°29'18.1"N 133°45'01.9"E Depth 0.7 meter 34°29'17.0"N 133°45'02.8"E Depth 2 meters 34°29'16.4"N 133°45'02.1"E Depth 2.8 meters 34°29'15.5"N 133°45'02.5"E Depth 1.4 meters 34°29'15.5"N 133°45'04.0"E Depth 4.9 meters 34°29'14.1"N 133°45'04.9"E Depth 1.7 meters 34°29'14.2"N 133°45'06.4"E Depth 7.4 meters 34°29'13.0"N 133°45'06.6"E Depth 1.6 meters 34°29'13.5"N 133°45'09.0"E Depth 0.9 meter 34°29'13.5"N 133°45'14.6"E Depth 8.6 meters 34°29'10.2"N 133°45'11.1"E Depth 8 meters 34°29'11.3"N 133°45'08.3"E Depth 8.2 meters 34°29'11.8"N 133°45'00.5"E Depth 1.7 meters 34°29'16.8"N 133°45'00.5"E (2(24)04 Tokyo)
95274	3Ed. 5/18/91 LAST NM 43/03 Add Danger circle "Obstn" [K40] (2(40)04 Tokyo)	12/04 37°57'00"N 139°02'12"E	
95282	7Ed. 7/14/90 LAST NM 23/03 Add Chartlet A, depicting changes in hydrography and topography, from Subsection I-2 35°31'00.0"N 135°20'30.0"E Chartlet B, depicting changes in hydrography and topography, from Subsection I-2 35°33'00.0"N 135°20'45.0"E Dashed line (breakwater) between 35°31'06.6"N 135°20'48.6"E 35°31'01.9"N 135°20'50.0"E	12/04	

97465	9Ed. 2/3/96 LAST NM 6/04 Substitute Solid line for dashed line in vicinity (46(1716)03 Tokyo)	12/04 26°18'42"N 127°52'37"E
97469	10Ed. 7/19/97 LAST NM 6/04 Substitute Double solid line with land tint for dashed line in vicinity (46(1716)03 Tokyo)	12/04 26°18'42"N 127°52'37"E
97471	5Ed. 12/16/95 LAST NM N10/04 Substitute Double solid line for double dashed line in vicinity and delete legend "Breakwater" (Under construction) (46(1716)03 Tokyo)	N12/04 26°18'42"N 127°52'37"E
801217	1Ed. 2/7/98 LAST NM N6/04 Substitute Solid line for dashed line in vicinity (46(1716)03 Tokyo)	N12/04 26°18'33"N 127°52'49"E
805118	3Ed. 1/23/99 LAST NM N36/03 Relocate Buoy "2" from 15°13'32"N 145°41'44"E to 15°13'13"N 145°41'25"E (4/04 CG14)	N12/04

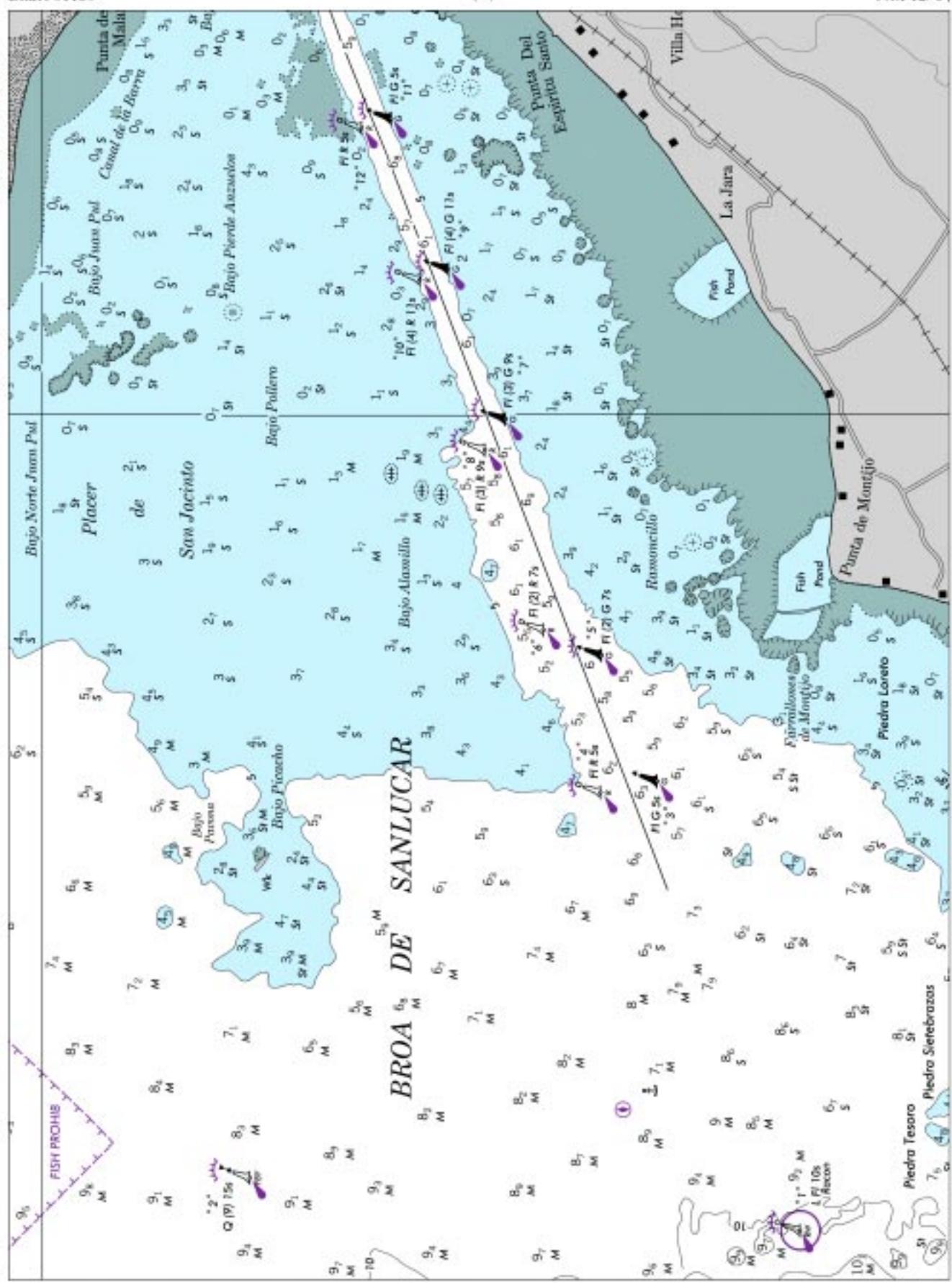
SECTION I

NM 12/04

Chart 51163

(A)

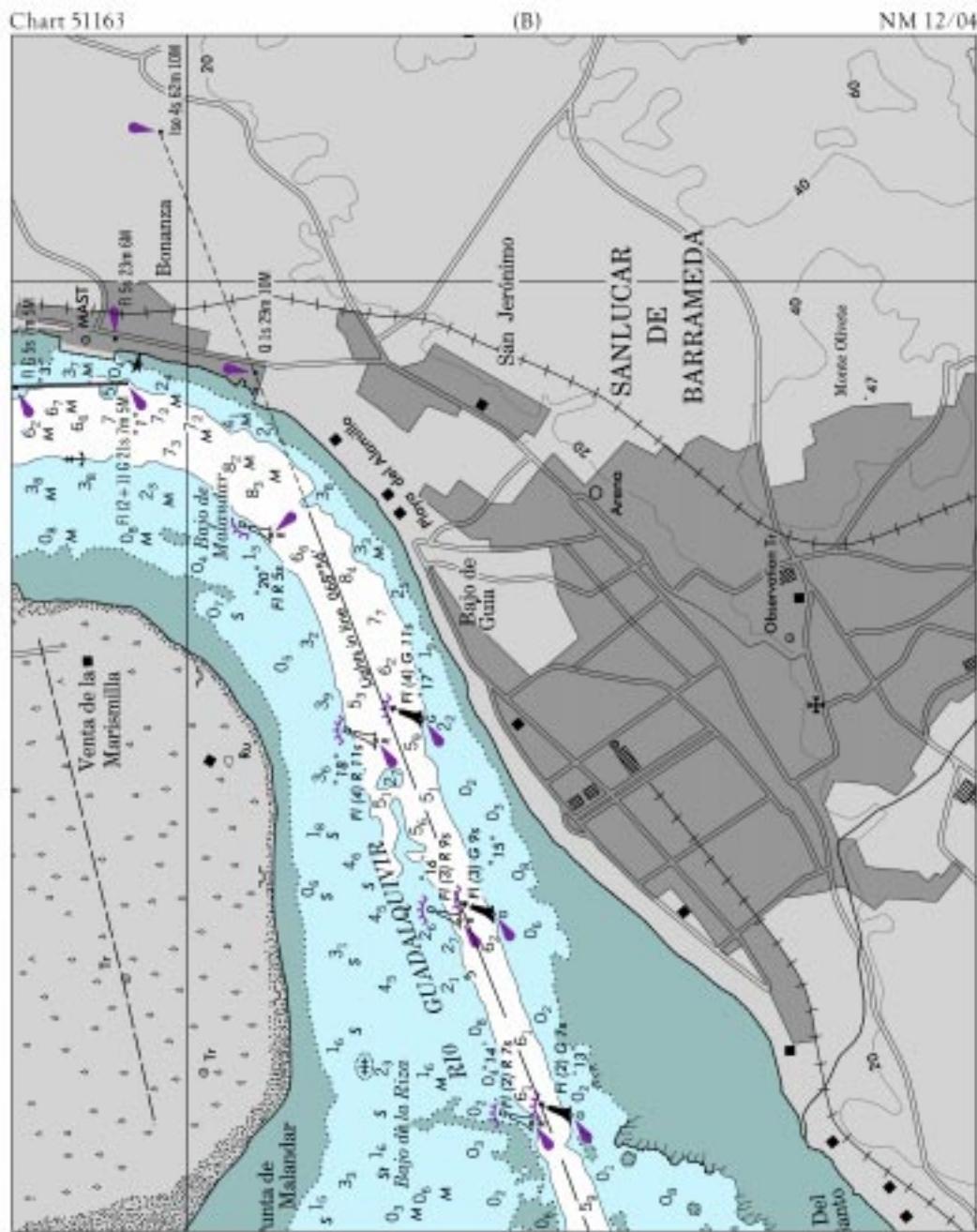
NM 12/04



I-2.1

SECTION I

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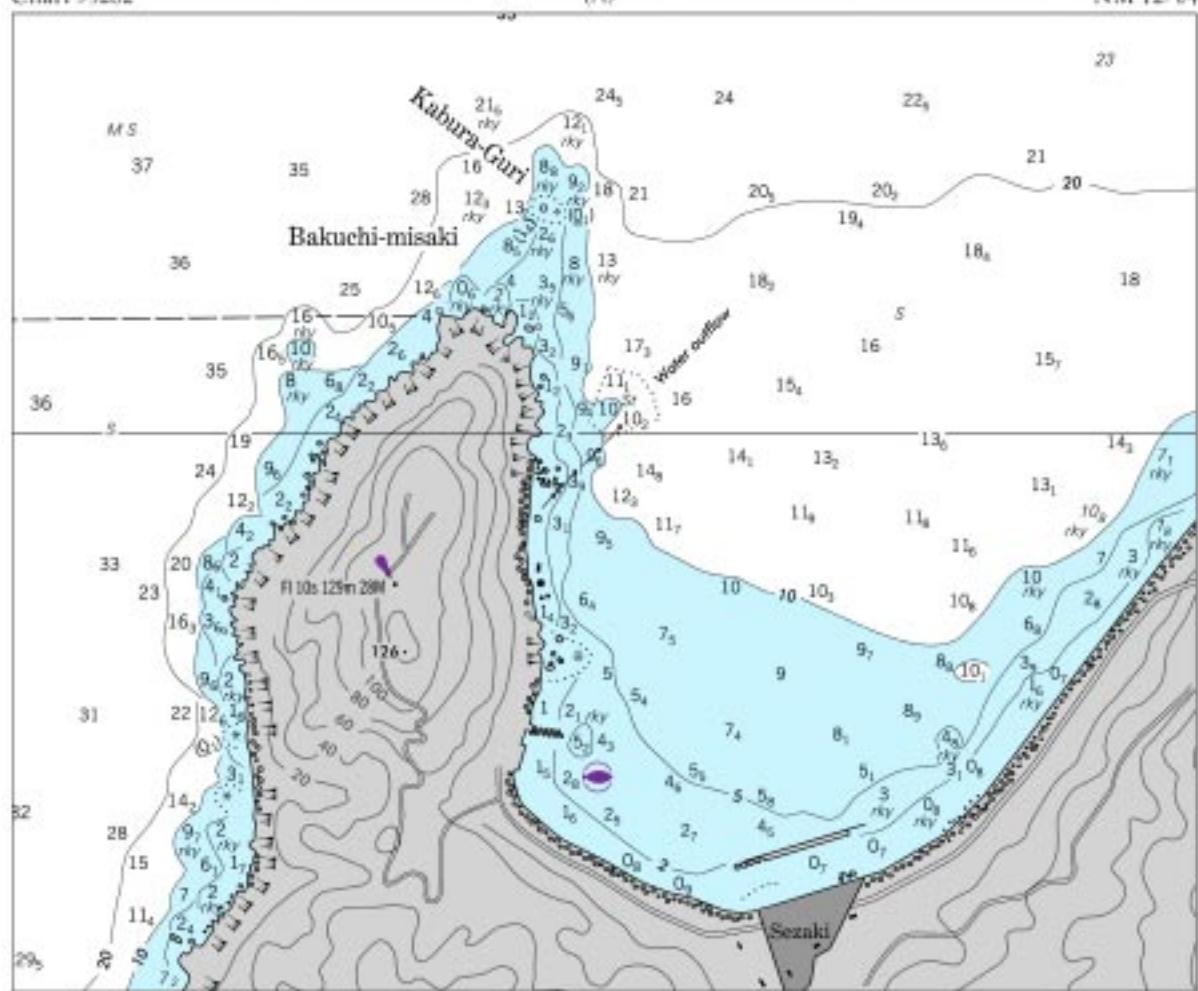
SECTION I

NM 12/04

Chart 95282

(A)

NM 12/04



SECTION I

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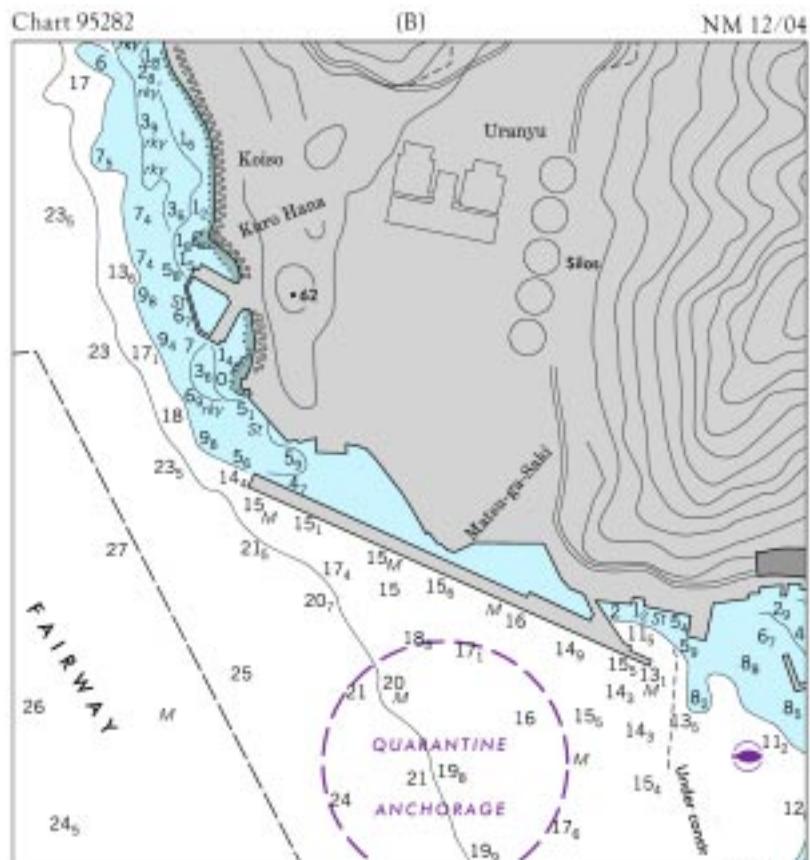


Chart 12222

NM 12/04

HAMPTON AND PHOEBUS CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUN 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
HAMPTON R. ENTRANCE CHANNEL	12.1	12.9	11.7	5-03	200	1.1 12
HAMPTON REACH	10.2	11.0	9.2	5-03	150	1.2 12
SUNSET CREEK	11.5	A12.5	A11.1	5-03	100-80	0.5 12
PHOEBUS CHANNEL	12.5	12.1	11.7	6-03	150	0.7 12

A. EXCEPT FOR SHOALING TO 6.6 FEET FOR THE LAST 150 FEET OF THE PROJECT.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12245

NM 12/04

HAMPTON AND PHOEBUS CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUN 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES) DEPTH MLLW (FEET)
HAMPTON R. ENTRANCE CHANNEL	12.1	12.9	11.7	5-03	200	1.1 12
HAMPTON REACH	10.2	11.0	9.2	5-03	150	1.2 12
SUNSET CREEK	11.5	A12.5	A11.1	5-03	100-80	0.5 12
PHOEBUS CHANNEL	12.5	12.1	11.7	6-03	150	0.7 12

A. EXCEPT FOR SHOALING TO 6.6 FEET FOR THE LAST 150 FEET OF THE PROJECT.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12256

NM 12/04

NORFOLK HARBOR AND APPROACHES TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUN 2003						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)
THIMBLE SHOAL CHANNEL (A)						
NORTH ELEMENT (B)	47.6	46.5	45.6	44.1	6,7,9-00	350 13.0 55
SOUTH ELEMENT (C)	49.7	50.0	49.7	50.3	6,7,9-00	650 13.0 55
NORTH AUXILIARY CHANNEL (D)						450 32
SOUTH AUXILIARY CHANNEL (D)						450 32
PHOEBUS CHANNEL	12.5	12.3	12.1	11.7	6-03	150 0.7 12
NORFOLK HARBOR ENTRANCE REACH	50.3	51.5	52.9	52.0	4-99	1000 1.4 50

A. CHANNEL IS RESTRICTED TO EXCLUDE VESSELS AND TOWS DRAWING LESS THAN 25 FEET.
B. PORTION OF PROJECT MAINTAINED TO 45 FEET
C. PORTION OF PROJECT MAINTAINED TO 50 FEET
D. PROJECT MAINTENANCE DISCONTINUED
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 74555

NM 12/04

FISH AGGREGATING DEVICE

Between November and June, lit fish aggregating devices are deployed at the charted sites. Mariners are requested not to navigate within this area during this period.

SECTION I

NM 12/04

Chart 74583 NM 12/04
FISH AGGREGATING DEVICE

Between November and June, lit fish aggregating devices are deployed at the charted sites. Mariners are requested not to navigate within this area during this period.

SECTION II

NM 12/04

NGA 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
NGA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date				
REGION 1								
11XHA11317 (7642014010217)	Matagorda Bay	50,000	<u>30</u>	<u>11/03</u>	NOS	1-94	12/04	
	Continuations: Lavaca River	50,000						
	Tres Palacios Bay	50,000						
	Inset: Port Lavaca	20,000						
11XHA11331 (7642014010225)	Ellender to Galveston Bay	40,000	<u>19</u>	<u>11/03</u>	NOS	1-94	12/04	
	(Not shown on index)							
11AHA11415 (7642014627118)	Tampa Bay Entrance	40,000	<u>6</u>	<u>11/03</u>	NOS	1-94	12/04	
	Extension: Manatee River	40,000						
11XHA11446 (7642014836698)	Sugarloaf Key to Key West	40,000	<u>31</u>	<u>12/03</u>	NOS	1-94	12/04	
11BCO11450 (7642014010199)	Fowey Rocks to American Shoal (LORAN-C)	180,000	<u>9</u>	<u>11/03</u>	NOS	1-94	12/04	
11XCO11548 (7642014010216)	Pamlico Sound-Western Part (LORAN-C)	<u>80,000</u>	<u>39</u>	<u>11/03</u>	NOS	1-20,94	12/04	
	Continuation of Bay River	<u>80,000</u>						
12XHA12316 (7642014010368)	Little Egg Harbor to Cape May	40,000	<u>30</u>	<u>11/03</u>	NOS	1-95	12/04	
	Continuation: Mullica River	40,000						
	Inset: Atlantic City	20,000						
	(Not shown on index)							
13XHA13229 (7642014010446)	South Coast of Cape Cod and Buzzards Bay	40,000	<u>28</u>	<u>1/04</u>	NOS	1-95	12/04	
18XCO18423 (7642014011606)	Bellingham to Everett including San Juan Islands (Folio)	80,000	<u>34</u>	<u>12/03</u>	NOS	1-98	12/04	
	(Not shown on index)							
18BHA18561 (7642014011581)	Approaches to Yaquina Bay	50,000	<u>12</u>	<u>11/03</u>	NOS	1-98	12/04	
	Inset: Depoe Bay	10,000						

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.

For questions concerning the availability and distribution of announced charts, users should contact the Defense Logistics Agency (DLA) at 1-800-826-0342 or 804-279-6500; DSN 695-6500; Fax 804-279-6524.

SECTION II

NM 12/04

NAVIGATION PUBLICATIONS

SAILING DIRECTIONS CORRECTIONS

PUB 120 2 Ed 2001

Page 121—Line 2/L; insert after:

Cautions
(NGA)

LAST NM 9/04

121
12/04

Page 121—Line 26/L; insert after:

Cautions

Fishing Devices

Fish aggregating devices are moored at a number of places off the E and W coasts of the Malay Peninsula. These devices lie in depths of up to 30m and are usually marked by buoys. Vessels should give them a wide berth.

Rigs

Movable oil drilling rigs and production platforms may be encountered off the coasts of Malaysia and in open waters. Buoys associated with the drilling operations are frequently moored in the vicinity of these structures. The positions of these rigs and buoys are frequently changed and are generally promulgated by radio navigational warnings.

Piracy

It was reported (1995) that vessels have been attacked by armed thieves in the vicinity of the Malacca and Singapore Straits, mainly near Phillip Channel. These attacks were usually made from fast motor boats approaching from astern. Loaded vessels with low freeboard seem to be particularly vulnerable. Vessels with low free-board transiting the Malacca Strait often use security lights to guard against piracy. These lights by their brilliance may obscure the vessel's navigation lights. The International Maritime Bureau (IMB) of the International Chamber of Commerce has established a Piracy Countermeasures Center at Kuala Lumpur.

The center operates for the Southeast Asian Region and is able to receive reports from vessels concerning attacks and advise of danger areas. Piracy warnings originated by the Center will be broadcast daily to NAVAREA XI, VIII, and X through Enhanced Group Calling using the SafetyNET System.

For further details the IMB Center can be contacted, as follows:

IMB Piracy Reporting Center
ICC International Maritime Bureau
P.O. Box 12559
50782 Kuala Lumpur
Malaysia
Telephone: +60-3-2031-0014
Facsimile: +60-3-2078-5769
Telex: MA31880 IMBPCI

E-mail: imbkl@icc-ccs.org.uk

IMB Piracy Reporting Center Home Page

http://www.iccwbo.org/ccs/menu_imb_piracy.asp

(NGA Pub. 160)

12/04

PUB 126 6 Ed 2002

Page 15—Lines 30 to 39/L; read:

The lagoon is entered through the pass on the NW side of the island, which is divided into two channels by shoals. The N channel lies N of a reef covered by 2.1m of water. It offers a depth of 6.4m, a width of 20m between the reef, and a shoal covered by 4.1m of water. The channel is marked by a lighted range bearing 090.7°. This passage can be used by vessels of less than 100m in length with local knowledge.

Small vessels can use the S channel, which is a little more than 90m wide and has a least depth of 1.5m.

(BA NM 1/04, Section IV)

12/04

Page 95—Lines 16 to 24/L; read:

Anchorage.—Vessels drawing more than 8.5m anchor in the channel approach area S of the channel entrance.

Anchorage is prohibited within the area of an arc extending 1.5 miles S and SE from Lighted Buoy R2.

Directions.—Vessels bound for Johnston Island ship channel should approach the channel from the S, passing through position 16° 41'N, 169° 31'W and then proceeding to the pilot boarding position.

(NGA)

12/04

PUB 147 7 Ed 2001

Page 147—Line 30/R; insert after:

Caution.—A dangerous wreck lies about 0.3 mile W of Port Elizabeth jetty light.

(US NM 8/04)

12/04

PUB 154 8 Ed 2002

Page 171—Lines 53 to 55/L; read:

Lagoon Bay lies between Nob Point and Codville Hill on the E bank of Fisher Channel about 5 miles N of Fog Rocks.

Codville Lagoon is entered by a narrow passage from Lagoon Bay. A dangerous rock lies slightly N of mid-channel in this narrow passage. Codville Island lies on the E side of Codville Lagoon.

Small vessels may find a well-sheltered anchorage in Codville Lagoon.

Caution.—It has been reported (2003) that due to a landslide, the SE corner of Codville Lagoon has shoaled to the 30m contour.

Evans Inlet

Evans Inlet lies on the E side of Fisher Channel 2.5 miles N of Lagoon Bay. It is entered between Brend Point and

PUB 154 (Continued)

Bold Point, Luke Island and Matthew Island lie in the entrance to Evans Inlet. A rock that dries 0.6m lies in the middle of the passage between these islands.

Luke Passage is the best entrance to Evans Inlet. Matthew Passage is obstructed by Peril Rock, which dries 1.2m.

Septimus Point is on the S side of Evans Inlet. Boot Island lies near the head and has shallow water extending 0.1 mile NW and NE of it. A 3.2m shoal lies off the E shore of Boot Island.

Anchorage.—Vessels of moderate size can anchor at the head of Evans Inlet, in depths of 27 to 37m.

Port John (52°07'N., 127°51'W.) is entered between Exeter Point and Salisbury Point. About 0.3 mile into the bay, a reef extends SW; Mark Rock lies at the SW end of the reef. Hook Nose Creek empties close S.

Farewell Point lies on the W side of Fisher Channel about 1.5 miles NW of Port John; the land on this shore rises steeply from shore. Farewell Point Light is shown from a skeleton tower, 6.5m high.

Salisbury Cone (52°09'N., 127°51'W.) is 1.5 miles N of Port John and rises abruptly to its summit. North of Salisbury Cone, the land slopes more gradually.

Georgie Point (52°11'N., 127°53'W.) is the point at the SE entrance to both Gunboat Passage and Johnson Channel, both of which are described in paragraph 11.32.

Sunny Island lies 0.6 mile NE of Georgie Point and is marked by a light shown from a skeleton tower, 6.3m high. Dean Island, Stokes Island, and Clitheroe Island all lie close on the W shore of Fisher Channel. Rattenbury Point is about 5 miles NE of Sunny Island.

(BA NM 6/04, Can PAC 205) 12/04

PUB 162 5 Ed 2001 LAST NM 12/03

Page 156—Lines 47 to 49/L; read:

Vessels requiring a pilot must make a request to Tacloban Harbor Pilot Association at least 24 hours prior to arrival. When approaching from the N, pilots board approximately 2 miles NW of Canauay Island. When approaching from the S, pilots board approximately 1.5 miles N of Mariquitdaquit Island Light.

(BA NP 286(4)) 12/04

Page 160—Lines 6 to 8/R; read:

Pilotage.—Pilotage is compulsory and a 24 hour notice is required. Pilots board in the following positions:

1. Domestic vessels—9°47.7'N., 125°30.7'E.
2. Foreign vessels—9°51.5'N., 125°28.5'E.

The following vessels are exempt from pilotage:

1. Government vessels.
2. Foreign government vessels entitled to courtesy.
3. Ferry vessels authorized by the Maritime Industry Authority to engage in daily service between two places within the port or two ports.
4. Philippine-flagged vessels departing from anchorage to engage in coastwise trading.

5. Vessels calling at private ports in which the owners have formally waived the requirement of compulsory pilotage.

(BA NM 7/04) 12/04

PUB 163 8 Ed 2002 LAST NM 48/03

Page 308—Lines 25 to 44/R; read:

Aspect.—A range of coastal hills, 91m high, extends 4 miles NNE from Tanjung Lobang. North of this range, the land is low and densely wooded. A conspicuous tower stands 3 miles NE of Tanjung Lobang.

The oil tanks at Lutong, 7.3 miles NNE of Tanjung Lobang Light, are conspicuous. The oil tanks at Miri are prominent. At night, the lights at the oil works are very prominent.

A radio tower, 67m high, stands 5.5 miles NNE of Tanjung Lobang.

Two conspicuous flares are occasionally visible in the vicinity of Lutong.

Pilotage.—Pilotage is compulsory for vessels using the oiling berths off Lutong. The berthing master and assistant, who are stationed at Miri, will board in the anchorage area at position 4°25.3'N, 113°54.0'E. Berthing may be carried out both by day and night. A mooring launch is provided for berthing and unberthing; unberthing may be carried out without a berthing master. At least 24 hours notice is required. Messages should be sent through Radio Kuching.

(10/133)03 Kuala Lumpur 12/04

PUB 172 9 Ed 2001 LAST NM 9/04

Page 192—Line 32/R; read:

6.5 to 11.2m. Anchorage is prohibited in an area, best seen on

(US NM 8/62394/04) 12/04

Page 263—Line 11/L; read:

21m. It has been reported (2004) that two of the berths are operational and that vessels are limited to a sailing draft of 17m.

(PUBS 001-04) 12/04

Page 263—Line 40/L; strike out.

(PUBS 001-04) 12/04

PUB 195 7 Ed 2002 LAST NM 1/04

Page 63—Line 44/L; read:

do so at their own risk.

The maximum authorized drafts stated for the approach routes may vary due to silting and the local authorities should be contacted prior to entry.

(BA NM 7/04) 12/04

COAST PILOT CORRECTIONS**COAST PILOT 4 35 Ed 2003 Change No. 25 LAST NM 11/04**

Page 87—Paragraph 842; read:

thence to

27°11'47.99"N., 80°15'44.78"W; thence to
27°11'42.51"N., 80°15'49.36"W; thence to
27°11'41.40"N., 80°15'47.70"W; thence to
27°11'40.44"N., 80°15'44.64"W; thence to
27°11'43.49"N., 80°15'40.74"W; thence to
27°11'46.82"N., 80°15'37.9647"W; thence to

COAST PILOT 4 (Continued)

27°11'47.881"N., 80°15'38.271"W.; thence back to the original point. All coordinates reference Datum NAD:83.
 (FR 02/04/04) 12/04

Page 286—Paragraph 186, line 1; read:

Bluff Point Shoal Light (35 19'19"N., 76 07'14"W.), ...
 (39/03 CG5; LL/03) 12/04

Page 292—Paragraph 263, line 6; read:
 reported depths of 5 feet or more, in 1983, to **Lees Landing**

...
 (CL 1833/03; CP4/03) 12/04

Page 385—Paragraph 69, line 3; read:
 clearance of 169 feet (177 feet for 200 feet each side of the bridge centerline) crosses the river just above Blount ...
 (CL 1852/03; CL 1290/92) 12/04

Page 408—Paragraph 79, line 2; read:
 while dragging the ocean floor within a 40-mile radius ...
 (CL 1481/03) 12/04

Page 411—Paragraph 128, line 8; read:
 marked by private buoys and a light. The entrance ...
 (05/04 CG7; LL/03) 12/04

Page 480—Paragraph 432, lines 3 to 4; read:
 the canal an overhead power cable has a clearance of 68 feet.
 (NOS 11428; CL 1285/96) 12/04

Page 482—Paragraph 452, lines 6 to 7; read:
 feet. From the bridge to about 1.5 miles above the mouth, other overhead cables have a minimum clearance of 20 feet.
 (NOS 11428; CL 1058/02) 12/04

Page 504—Paragraphs 290 to 298; read:
 Newport/Morehead City, NC: 533 Roberts Road, Newport, NC 28570.

Wilmington, NC: 2015 Gardner Drive 28405.
 Charleston, SC: 5777 South Aviation Avenue 29406.
 Jacksonville, FL: 13701 Fang Drive 32218.
 Miami, FL: 11691 SW 17th Street 33165.
 Melbourne, FL: 421 Croton Road 32935.
 Key West, FL: 3535 S. Roosevelt Boulevard 33040.
 (Internet/03) 12/04

COAST PILOT 5 **31 Ed 2004** **Change No. 9**
LAST NM 10/04

Page 93—Paragraph 968, line 3 to Paragraph 970, line 1; read:

shall open on signal if at least 24 hours notice is given.
 (c) The draw of the CSX Transportation Railroad ...
 (FR 02/05/04) 12/04

Page 95—Paragraph 1010, line 7; read:
 shall be passed at any time.
 (k) *Caloosahatchee River Bridge (SR 29), Mile 103,*

Labelle, Florida.

The Caloosahatchee River bridge (SR 29), mile 103, shall open on signal, except that from 7 a.m. to 9 a.m. and from 4 p.m. to 6 p.m., Monday through Friday, except Federal holidays, the bridge need not open. Exempt vessels shall be passed at any time.

(FR 01/29/04) 12/04

Page 102—Paragraph 1160, line 7 to Paragraph 1162; read:
 signal at any time.

\$117.683 Pearl River.

See §117.488, Pearl River, listed under Louisiana.
 (CL 138/04; FR 02/04/04) 12/04

Page 303—Paragraph 217, lines 4 to 6; read:
 The entrance is protected by two stone jetties. In 2002-November 2003, shoaling was reported across the mouth and in the privately marked entrance to Daybeacon 3; thence in 2002, 6 feet between the jetties; ...
 (47/03 CG7; NOS 11430) 12/04

Page 341—Paragraph 329, lines 5 to 6; read:
 In August 2003, the controlling depth was 2.5 feet (4.9 feet at midchannel) to Daybeacon 46; thence in ...
 (CL 1612/03; BPs 181779-91) 12/04

Page 420—Paragraph 117, lines 2 to 6; read:
 river via The Jump with the Gulf. In April-September 2003, the midchannel controlling depths were 4 feet to Buoy 58; thence in April 2003, 19 feet to the junction with Grand Pass, thence 20 feet to the Mississippi River.

(DDs 4647-50; DDs 4127-28) 12/04

Page 420—Paragraph 120, lines 5 to 6; read:
 September 2003, the controlling depth was 10 feet across the bar in Breton Sound; thence in 1997-September 2003, ...
 (DDs 4639-40) 12/04

Page 451—Paragraph 87, line 7; read:
 regulations.) In August 2003, a lift bridge with a design clearance of 2.4 feet in the closed position and 73 feet in the open position was under construction about .47 mile W of the pontoon bridge on the W side of the Intracoastal Waterway junction; upon completion, it will replace the pontoon bridge. There are two wharves on the SW side of the intersection.

(CL 1538/03; 31/03 CG8) 12/04

Page 453—Paragraph 124, lines 5 to 6; read:
 buoys. In February-July 2003, the controlling depth through the pass was 12 feet. Anchorage area inside the ...
 (DDs 4460-62; DDs 3884-86) 12/04

Page 454—Paragraph 125, line 7; read:
 February-July 2003, the controlling depth was 8 feet.
 (DDs 4457-60; DD 3880; DDs 4468-74) 12/04

COAST PILOT 5 (Continued)

Page 459—Paragraph 202, lines 4 to 5; read: mouth. In November 2003, the controlling depth was 7 feet (10 feet at midchannel). (DDs 4802-04)	12/04	Page 391—Paragraph 236, lines 12 to 17; read: 90 highway bridge. In September 2003, the controlling depth was 6.4 feet (7.4 feet at midchannel) to Light 18; thence in 2001-March 2003, 7.4 feet (8.0 feet at midchannel) to the junction with the Biloxi East Channel. The channel is marked by lights and daybeacons. (CL 65/04; LL/03; NOS 11372)	12/04
Page 459—Paragraph 203, line 3; read: November 2003, the controlling depth was 7 feet (11 feet at midchannel) from the ... (DDs 4800-01)	12/04	Page 418—Paragraph 96, line 5; read: marked by a light. A seasonal fog signal is on the W side of the ... (CL 1568/03; LL/03)	12/04
COAST PILOT 5	31 Ed 2004	Change No. 10	
Page 8—Paragraph 144, lines 15 to 16; read: may be obtained from the Internet at (http://polux.nss.nima.mil/pubs/USCGLL/pubs_j_uscgl_list.html). (NOS/04; Internet/04; CP1/03)	12/04	Page 457—Paragraph 177, line 3; read: entrance. A daybeacons marks the ... (CL 1639/03; LL/03)	12/04
Page 11—Paragraph 175, lines 5 to 7; read: frequencies, and broadcast content are listed on the Internet site, Marine Product Dissemination Information , (http://www.nws.noaa.gov/om/marine/home.htm). For marine weather services ... (NOS/04; Internet/04; CP1/03)	12/04	Page 522—Paragraph 62, lines 5 to 10; read: swing bridge with a clearance of 19 feet. The swing bridge is equipped with radiotelephone at 409-548-3268. The bridge- tender monitors VHF-FM channel 10; call sign KI-2524. (See 117.1 through 117.59 and 117.984 , chapter 2, for drawbridge regulations.) Least clearance of overhead cables is 38 feet. (DB 1561; NOS 11322)	12/04
Page 307—Paragraph 286, line 3; read: April 2002, the pass was reported bare and impassable. (CL 1565/03)	12/04		
Page 335—Paragraph 249, lines 2 to 4; read: the entrance to the Central Yacht Basin. A shoal area is south of the entrance channel. Numerous slips ... (DB 2237; NOS 11416)	12/04		
Page 336—Paragraph 264, lines 8 to 13; read: August 2003, the reported midchannel controlling depth in North Channel was 8 feet to the main channel of the Intra- coastal Waterway. South Channel leads to Pass-a-Grille Channel from the SW and passes E of Shell Key; in August 2003, it was reported to have completely shoaled. (DB 2237; NOS 11415)	12/04		
Page 338—Paragraph 298, line 2; read: 41-foot fixed span and a clearance of 16 feet crosses ... (CL 1563/03)	12/04		
Page 378—Paragraph 58, lines 11 to 13; read: of the creek. In November 2003, the controlling depth in the channel and the turning basin was 6 feet. An overhead power cable, NE of the turning ... (CL 66/04)	12/04		
Page 378—Paragraph 67, lines 4 to 6; read: part of Garrows Bend. In September 2003, the controlling depth was 17.3 feet (18.8 feet at midchannel) with 11.1 to 18.3 feet in the turning basin. The channel is marked ... (CL 67/04)	12/04		

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME I LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*Delete Heading and Note:							
*Bournes Pond							
							<i>*Aids maintained from May 15 to Oct. 15.</i>
15000	- Buoy 1						<i>Remove from list.</i>
							*
							12/04
15005	- Buoy 2						<i>Remove from list.</i>
							*
							12/04
15010	- Buoy 3						<i>Remove from list.</i>
							*
							12/04
15015	- Buoy 4						<i>Remove from list.</i>
							*
							12/04
15020	- Buoy 5						<i>Remove from list.</i>
							*
							12/04
15025	- Buoy 6						<i>Remove from list.</i>
							*
							12/04

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
6987	SPIT BAR LIGHT SB		Fl W 2.5s	15	5	NB on multi-pile structure.	
						*	
							12/04
37410	- Daybeacon 45					SG-SY on pile.	
						*	
							12/04

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
Pasco County Fish Haven							
1555	ANCLOTE KEY LIGHT	28 10 02 N 82 50 44 W	Fl (4) W 30s	110	19	Brown skeleton tower with black lantern.	Private aid.
		*	*	*	*	*	
							12/04
*6147	- Daybeacon 1 At edge of shoal.	31 08 27 N 81 25 17 W				SG on pile.	
							12/04
Frederica River							
6150	- Daybeacon 2	31 08 44 N 81 25 17 W				TR on pile.	
		*	*	*	*	*	
							12/04

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Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
6155	- Daybeacon 5	31 09 09 N 81 25 24 W				SG on dolphin.	
	*	*	*	*	*	*	12/04
6160	- RANGE REAR LIGHT 669 yards, 338.4° from front light.					Remove from list.	
						*	12/04
6165	- Daybeacon 7				SG on pile.		
	*						12/04
KEY WEST HARBOR (Chart 11447)							
Key West Harbor Main Channel							
14830	Western Triangle Lighted Buoy 5	24 30 31 N 81 48 18 W	Fl G 4s		4	Green.	
	At edge of shoal.				*		12/04
Causeway Channel							
25825	- Daybeacon 1	27 57 55 N 82 48 25 W				SG on pile.	
	*						12/04
FREDERIKSTED ROAD (Chart 25644)							
33340	SOUTHWEST CAPE LIGHT	17 40 48 N 64 54 00 W	Fl W 6s		45	6 Gray skeleton tower.	
					*		12/04
34265	- LIGHT 43	33 03 00 N 79 31 06 W	Fl G 4s		16	4 SG-SY on dolphin.	
					*		12/04
35110	- RANGE C FRONT LIGHT	32 33 05 N 80 25 21 W	Q R		10	KRW on skeleton tower.	Visible all around; higher intensity on rangeline.
	*	*					12/04
Buttermilk Sound							
37020	- RANGE B FRONT LIGHT 218	31 18 08 N 81 24 02 W	Q R		16	4 KRW-TR-TY on pile.	
	*						12/04
37307	JEKYLL CREEK LIGHT 9	31 05 24 N 81 26 30 W	Q G		12	4 SG-SY on pile.	
					*		12/04
37325	- LIGHT 17	31 04 16 N 81 25 44 W	Fl G 4s		12	4 SG-SY on pile.	
	*						12/04

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
Sisters Creek							
38300	- LIGHT 74	30 26 34 N 81 27 05 W	Fl R 4s	16	3	TR-TY on pile.	
		*					12/04
44180	- LIGHT 139		Fl G 4s	12	4	SG-SY on pile.	
				*			12/04
48545	- LIGHT 64		Fl R 2.5s	16	3	TR-TY on pile.	Higher intensity beam oriented down channel.
				*			12/04

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
3325 29775	- West Lighted Buoy 5	30 09 12 N 85 41 54 W	Fl G 4s				Green can with yellow square.
		*					12/04
7073	- RANGE B REAR PASSING LIGHT		Fl W 4s	12	5	On same structure as Pascagoula Channel Range B Rear Light.	
				*			12/04
16520	- RANGE FRONT LIGHT	29 05 57 N 90 13 23 W	Q G	18		KRW on platform.	
		*	*	*	*		12/04
29775 3325	- West Lighted Buoy 5		Fl G 4s				Green can with yellow square.
		*					12/04
36500	- Buoy 16						Remove from list.
							*
36535	- Buoy 22						Remove from list.
							*
							12/04

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
4050	- Harbor Channel Buoy 9	36 48 22 N 121 47 06 W				Green can.	
		*					12/04
4055	- Harbor Channel Buoy 11	36 48 19 N 121 47 06 W				Green can.	
		*					12/04

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
7395	- LIGHT 47	38 12 24 N 121 40 28 W	Fl G 4s	15	4	SG on pile	
		*					12/04
*13263	Ice Harbor Research Float		Fl Y 6s			Yellow pontoon float.	Private aid.
							12/04
*13507	Lower Monumental Research Float		Fl Y 6s			Yellow pontoon float.	Private aid.
							12/04

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SECTION II

CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2003 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
8912 K 1786.3	-Harbor Channel Range, front.	33° 19.2' S 115° 39.1' E	F.Bu. *			Red triangular daymark, point up.	Channel marked by beacons. 12/04
8916 K 1786.31	--Rear, about 231 meters 180° from front.	33° 19.3' S 115° 39.1' E	F.Bu. *			Red triangular daymark, point down.	12/04
8920 K 1786.5	-Range, front.	33° 19.5' S 115° 39.8' E	F.R. *			Red triangular daymark, point up.	12/04
8924 K 1786.51	--Rear, about 100 meters 135° from front.	33° 19.5' S 115° 39.9' E	F.R. *			Red triangular daymark, point down.	12/04
10864 K 3492	-Cape Lambert.	4° 04.4' S 151° 30.8' E	Fl.(3)W. period 15s fl. 0.4s, ec. 1s fl. 0.4s, ec. 1s fl. 0.4s, ec. 11.8s	56 17	10	White steel lattice tower; 46.	*
10892 K 3506	-Cape Orford.	5° 27.0' S 152° 04.8' E	Fl.(3)W. period 15s	308 94	10	White tower; 43.	Visible 222°-060°. 12/04
10894 K 3495	-Nakukuru Point.	4° 09.9' S 152° 24.7' E	Fl.(2)W. period 10s				*
10896 K 3514	-Cape St. George.	4° 50.8' S 152° 52.6' E	Fl.W. period 5s	341 104	10	White steel lattice tower; 56.	Visible 230°-136°, except where obscured by islands. 12/04
10900 K 3512	-Mait Island.	3° 00.0' S 150° 43.7' E	Fl.W. period 10s	260 79	10	White steel lattice tower; 63.	Obscured 205°-265°. 12/04
CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2004 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
26296 K 3448	Strathord Islands, N. islet.	10° 13.3' S 151° 52.0' E	Fl.(3)W. period 12s	55 17	10	White framework tower; 50.	Visible 037°-303°. 12/04

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SECTION II

CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
3716 <i>Vilamoura.</i> D 2197.2		37° 04.4' N 8° 07.3' W	Fl.W. period 5s fl. 0.2s, ec. 4.8s	59 18	19	Yellow tower on Navy control tower; 52.	*
				*	*		12/04
13748 <i>-Kanal Vlaska, N. mole.</i> E 3499.3		43° 01.8' N 17° 25.4' E	Fl.(2)R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	23 7	4	Red column; 13.	Visible 237°-062°.
				*	*		*
							12/04

CORRECTIONS TO PUB 114, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1660 <i>NEWARP LIGHTSHIP.</i> A 2332							Remove from list.
							*
							12/04
1760 <i>INNER DOWSING LIGHTSHIP.</i> A 2351							Remove from list.
							*
							12/04
1992 <i>-Whitby High.</i> A 2596		54° 28.6' N 0° 34.0' W	Fl.W.R. period 5s fl. 0.8s, ec. 4.2s	240 73	W. 18 R. 16	White octagonal tower; 43.	R. 128°-143°, W.-319°.
				*			
							12/04
6436 <i>Mine Head.</i> A 5778		51° 59.6' N 7° 35.2' W	Fl.(4)W. period 20s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 12.4s	285 87	20	White tower, black band; 69.	Visible 228°-052°.
				*	*	*	
							12/04
7600 <i>Inishtearaght Island.</i> A 6408		52° 04.5' N 10° 39.7' W	Fl.(2)W. period 20s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 14.9s	275 84	19	White tower; 56.	Visible 318°-221°.
				*	*	*	
							12/04
RACON		O(- -)		18			Azimuth coverage 133°-041°.
				*	*	*	
							*
							12/04

CORRECTIONS TO PUB 115, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
475.1 <i>-Nakkholmsteinen.</i> B 2416.5		59° 53.3' N 10° 41.1' E	Iso.G. period 2s	20 6	1	Concrete column; 33.	*
				*	*		12/04
484 <i>-Rausekkene.</i> B 2408		59° 53.1' N 10° 41.9' E	Oc.W.	10 3	5	Lantern on post.	*
				*	*		
							12/04

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SECTION II

CORRECTIONS TO PUB 115, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
544 <i>B 2446</i>	-Kroksberget, W. side of fjord.	59° 33.8' N 10° 24.5' E	Oc.(2)W.R.G. period 8s	19 6	W. 5 R. 3 G. 3	White lantern.	R. 184°-195°, W.-208°, G.-358°, W.-008°, R.-018°.
		*		*	*	*	12/04
552 <i>B 2449.1</i>	-Nedre Knivsvik Range, rear, 329 meters 156°30' from front.	59° 34.9' N 10° 26.1' E	F.R.			Lantern on cairn.	Reserve light Fl.W.5s.
		*	*		*	*	12/04
564 <i>B 2450</i>	-Selvikrenna Sondre.	59° 36.0' N 10° 26.0' E	Fl.W. period 3s fl. 1s, ec. 2s	16 5	3	White lantern.	Bell.
	-RACON		T(-) period 30s		9		*
				*	*	*	12/04
7192 <i>L 1226</i>	-Frosetskjaer.	63° 26.7' N 10° 06.7' E	Q.G.	25 8	5	Pedestal on cairn.	
				*	*		12/04
7196 <i>L 1259</i>	-Tua.	63° 27.8' N 10° 23.5' E	Q.G.	10 3	1	Iron post.	
				*	*		12/04
7204 <i>L 1238</i>	--Lade mole, N.	63° 26.8' N 10° 25.0' E	Iso.G. period 2s	34 10	1	White tower, red band; 28.	
				*			12/04
7208 <i>L 1239</i>	--Ladehamaren.	63° 26.7' N 10° 25.2' E	2 F.R.	22 7	1	Concrete column.	
				*			12/04
7210 <i>L 1241</i>	--Brattora, pier "1", head.	63° 26.6' N 10° 24.2' E	Iso.G. period 4s	25 8	1		
				*			12/04
7212 <i>L 1238.5</i>	--Lade mole, W.	63° 26.6' N 10° 24.5' E	F.R.	16 5	1	Dolphin; 39.	
				*			12/04
7216 <i>L 1248</i>	-W. entrance to outer harbor, detached breakwater, head.	63° 26.2' N 10° 23.5' E	F.R.	33 10	1	Post; 3.	Visible 251°-189°.
				*	*	*	*
7220 <i>L 1250</i>	--Olavs Pier, mole, head.	63° 26.2' N 10° 23.5' E	F.G.	22 7	1	Post; 3.	Visible 044°-314°.
				*	*	*	*
7224 <i>L 1254</i>	--Skansenlop, E. mole, head.	63° 26.0' N 10° 22.5' E	Iso.G. period 6s	7 2	Post.		
				*	*	*	12/04

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SECTION II

CORRECTIONS TO PUB 115, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
7244 -Rota. <i>L 1262</i>		63° 26.0' N 10° 46.0' E	Oc.W.R.G. period 6s	10 3	W. 10 R. 8 G. 7	Lantern.	R. 096°-104°, G.-112°, W.-177°, R.-228°30', W.-246°, G.-293°.
			*		*	*	12/04
7256 -Stjordalhavn, mole, head. <i>L 1268</i>		63° 28.0' N 10° 53.0' E	Oc.(2)W.R.G.	20 6	W. 10 R. 8 G. 8	Lantern on warehouse.	R. 008°-049°30', W.-094°30', G.-171°.
			*		*	*	12/04
7260 -Saltoy. <i>L 1271</i>		63° 33.0' N 10° 53.0' E	Oc.(2)W.R.G. period 8s	33 10	W. 6 R. 4 G. 4	Lantern on concrete pillar.	G. 286°-316°, R.-077°, W.- 080°30', G.-139°, R.-218°.
			*			*	12/04
7264 -Korsnesodden, Asfjorden. <i>L 1270</i>		63° 35.0' N 10° 50.0' E	Oc.W.R.G. period 6s	21 6	W. 9 R. 8 G. 7	Iron hut.	G. 187°-235°, W.-239°, R.-325°, G.-027°, W.-052°, R.-060°.
			*		*		12/04
7268 -Tautra, Kviningen, W. point. <i>L 1274</i>		63° 35.0' N 10° 37.0' E	Oc.W.R.G. period 6s	59 18	W. 3 R. 2 G. 1	Lantern on concrete pillar.	G. 024°-040°, R.-053°, W.-080°, G.-120°, R.-180°, W.-228°, G.-252°, R.-258°.
			*		*		12/04
7272 -Fanes. <i>L 1276</i>		63° 38.1' N 10° 47.0' E	Oc.(2)W.R.G. period 8s	29 9	W. 9 R. 7 G. 6	Lantern on concrete pillar.	G. 073°-074°, W.-211°, R.-225°, G.-298°.
			*		*		12/04
7284 -Hestoygrunnflu. <i>L 1281</i>		63° 44.3' N 11° 08.6' E	Q.G.	10 3	3	Metal column.	
			*		*		12/04
-Levanger Harbor:							
7288 -Nessesskjaeret. <i>L 1284</i>		63° 45.0' N 11° 18.0' E	Oc.W.R.G.	10 3	W. 8 R. 8 G. 8	White lantern on base.	R. 161°-172°, W.-221°, G.-317°, W.-340°.
			*		*		12/04
STEINKJER:							
7340 -Eggebogtengen, S. point of <i>L 1312</i> tongue.		64° 01.0' N 11° 28.0' E	Oc.W.R.G. period 6s	19 6	W. 10 R. 8 G. 7	White lantern on base.	R. 251°-268°, G.-300°, W.-360°, R.-026°, G.-068°, W.-088°, R.- 094°.
			*		*		12/04
7344 -Sorskaien Range, front. <i>L 1314</i>							Remove from list.
							*
7348 -Rear, about 73 meters 034° from front.							Remove from list.
							*
							12/04

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 115, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
16890 -Mys Shuberta. <i>L 8048</i>		73° 09.8' N 71° 40.3' E	Fl.W. period 6s fl. 1s, ec. 5s	75 23	10 56.	*	Radar reflector.
				*	*	*	12/04
OBSKAYA GUBA:							
16892 -Mys Poyelovo. <i>L 8052</i>		72° 44.0' N 72° 38.0' E	Fl.W. period 8s fl. 1s, ec. 7s	82 25	10 49.	*	Radar reflector.
				*	*	*	12/04
16896 -Mys Drovyanoy. <i>L 8053</i>		72° 39.5' N 72° 56.5' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	79 24	13 75.	*	Radar reflector.
				*	*	*	12/04
16904 -Shtormovoy. <i>L 8062</i>		71° 48.0' N 73° 31.0' E	Fl.W. period 3.5s fl. 0.5s, ec. 3s	112 34	10 30.	*	Radar reflector.
				*	*	*	12/04
16905 -Tambey. <i>L 8064</i>		71° 28.8' N 71° 49.0' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	82 25	10 49.	*	Radar reflector.
				*	*	*	12/04
16906 -Mys Khonarasalya. <i>L 8066</i>		71° 22.7' N 73° 02.3' E	Fl.W. period 3s fl. 0.5s, ec. 2.5s	177 54	10 46.	*	
				*	*	*	12/04
16907 -Sabela. <i>L 8068</i>		71° 17.5' N 72° 02.2' E	Fl.W. period 4s fl. 1s, ec. 3s	26 8	10 20.	*	Radar reflector.
				*	*	*	12/04
16994 -Mys Turysale. <i>L 8055</i>		72° 47.0' N 74° 48.2' E	Fl.W. period 6s fl. 0.5s, ec. 5.5s	69 21	8 30.	*	Radar reflector.
				*	*	*	12/04
16996 Ostrov Shokal'skogo. <i>L 8050</i>		73° 00.7' N 74° 07.0' E	Fl.W. period 8s fl. 1s, ec. 7s	72 22	14 46.	*	Radar reflector.
				*	*	*	12/04
16998 -N. point. <i>L 8051</i>		73° 06.6' N 74° 27.8' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	69 21	9 46.	*	Radar reflector.
				*	*	*	12/04

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, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
HOLLAENDERDYBET:							
4936 -Nordre Rose. C 2042		55° 38.2' N 12° 41.2' E	Oc.(2)W.R.G. period 6s lt. 3s, ec. 1s lt. 1s, ec. 1s	45 14	W. 18 R. 13 G. 13	Round granite tower; 56'. Shown 24 hours.	R. 140°-157°30', G.-176°30', W.-181°, R.-186°, G.- 030°30'.
-RACON			M(- -) period 40s				*
							12/04
8648 - -Rear, 75 meters 213° from C 6842.1 front.		58° 38.4' N 17° 07.8' E	Mo.(U)W.R.G. period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 3s, ec. 3s	56 17	W. 11 R. 8 G. 7	White hut, green band. Floodlit.	R. 177°-248°, G.-301°, W.-309° R.-028°, G.-058°, W.-062°30', R.-095°, G.-141°.
*		*			*		*
*8725 -Jarnverket Range, front. C 6810.1		58° 40.8' N 17° 08.0' E	F.R.	46 14	7	Lattice mast, white triangular daymark.	12/04
*8725.1 - -Rear, 271°18' from front. C 6810.2		58° 40.8' N 17° 07.8' E	F.R.	66 20	7	Lantern on gable of large building, white triangular daymark.	12/04
12332 -Rinuzi Range, front. C 3532		57° 02.4' N 24° 04.6' E	Oc.Or. period 5s lt. 3s, ec. 2s	52 16	5	Framework tower, red rectangular daymark, white stripe; 43'.	Visible on range line only.
*		*					12/04
12336 - -Rear, 587 meters 128°24' C 3532.1 from front.		57° 02.2' N 24° 05.0' E	Oc.Or. period 5s lt. 3s, ec. 2s	78 24	5	Square framework tower, red trapezoidal daymark, white stripe; 72'.	Visible on range line only. Synchronized with front.
*							12/04

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

**PUBLICATIONS AFFECTION BY NOTICE TO MARINERS
THROUGH NM 12/04**

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

NGA Reference No.	Ed.	Notice to Mariners No.		
NOSPBCP6	33	23*,27,29,32,34,39, 42,46,48,51,52/03;1, 7,9/04		
NOSPBCP7	35	37*,38,39,42,44,45, 48,51/03;5,7,8,9/04		
NOSPBCP8	25	32*,33,34,39,42,48, 51/03;1,7,8,10/04		
NOSPBCP9	21	30*,32,33,36,39,42, 48,51/03;8/04		
RADIO NAVIGATIONAL AIDS				
RAPUB117	2002	50/02*;13/03		
AMERICAN PRACTICAL NAVIGATOR				
NVPUB9	2002	36/02*;14,38/03		
INTERNATIONAL CODE OF SIGNALS				
CDPUBNV102	2003	20/03*		
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, 42,46,49/02;2,7,10, 15,20/03		
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	N23/91*		
ATLAS OF PILOT CHARTS				
NVPUB106	2002	42/03*		
NVPUB107	1998	30/99*		
NVPUB109	2001	49/02*		
USCG NAVIGATION RULES				
COMDTM166722D	1999	44/99*;52/00		
NOS TIDE TABLES				
NOSPBTTCWPACIN4	2004	N1/04*		
NOSPBTTECSTNSA4	2004	N1/04*		
NOSPBTTEURAFR4	2004	N1/04*		
NOSPBTWCSTNSA4	2004	N1/04*		
TIDAL CURRENT TABLES				
NOSPBTCTATCSTN4	2004	N1/04*		
NOSPBTCTPACAS4	2004	N1/04*		

SECTION III

NM 12/04

BROADCAST WARNINGS

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

NAVAREA IV

Messages in force 041200Z March 2004:

2003 series	2004 series	59(24)	68(11)	71(11)
108(26,27)	55(11)	66(GEN)	69(11)	
387(GEN)	57(GEN)	67(GEN)	70(GEN)	

The summary of all NAVAREA IV messages in force as of 11 December 2003 is given in Section III of NM 52/03.

NAVAREA IV WARNINGS issued from 261200Z February to 041200Z March 2004.

65/04. CANCELED.

66/04(GEN). GPS SATELLITE SYSTEM.

1. PRN 27 UNUSABLE 040500Z TO 041700Z MAR.
2. CANCEL THIS MSG 041800Z MAR.

(011500Z MAR 2004)

67/04(GEN).

1. NAVAREA IV MESSAGES IN FORCE 021000Z MAR 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2004 SERIES: 55(11), 57(GEN), 59(24), 66(GEN).
2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03.
3. CANCEL NAVAREA IV 53/04, 58/04.

(021010Z MAR 2004)

68/04(11). GULF OF MEXICO. FLORIDA.

1. DERELICT 22 FOOT VESSEL PARTIALLY SUBMERGED AND ADRIFT IN 28-26.37N 082-54.62W.
2. CANCEL THIS MSG 09 MAR.

(021645Z MAR 2004)

69/04(11). GULF OF MEXICO. FLORIDA.

1. DERELICT VESSEL PARTIALLY SUBMERGED AND ADRIFT IN 27-37.7N 082-48.0W.
2. CANCEL THIS MSG 09 MAR.

(021700Z MAR 2004)

70/04(GEN). GPS SATELLITE SYSTEM.

PRN 31 UNUSABLE.

(040256Z MAR 2004)

71/04(11). NORTH ATLANTIC. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS 08 THRU 14 MAR WITHIN ONE MILE OF 32-33.707N 079-46.797W.
2. CANCEL THIS MSG 15 MAR.

(040740Z MAR 2004)

SECTION III

HYDROLANTS

Messages in force 041200Z March 2004:

2000 series	604(26,27)	2319(53)	2004 series	282(37)	355(53)
2937(38)	738(35)	2340(52,53)	29(37)	309(GEN)	358(GEN)
3762(43)	1117(37)	2354(24)	36(51,52)	317(24)	359(51)
4265(44)	1242(24)	2374(35)	113(56)	322(53)	360(36,37,44)
2001 series	1291(37)	2384(23,24)	124(53)	326(52,53,56)	361(35)
611(44)	1374(52,53)	2399(24)	164(53)	328(37)	364(24)
2700(37)	1422(53)	2406(54)	169(51,52)	332(55)	366(36)
3161(44)	1472(35)	2407(54)	170(23)	334(51)	367(57)
2002 series	1731(35)	2408(54)	177(52)	337(54)	368(GEN)
245(GEN)	1834(22)	2409(54)	224(24)	340(36)	369(24)
246(GEN)	1944(53)	2410(54)	227(37)	343(53)	370(24)
2682(51)	1999(23)	2413(54)	229(57)	345(53)	371(24)
2848(37)	2031(55)	2414(54)	230(57)	346(37)	
2003 series	2175(24)	2416(54)	238(56)	348(23,29)	
41(37)	2203(53)	2418(52)	249(57)	352(24)	
67(37)	2235(37)	2419(54)	259(54,56)	353(37)	
544(55)	2297(24)	2420(54)	272(24)	354(GEN)	

The summary of all HYDROLANTS in force as of 11 December 2003 is given in Section III of NM 52/03.

HYDROLANT WARNINGS issued from 261200Z February to 041200Z March 2004.

329/04 thru 331/04. CANCELED.

332/04(55). BLACK SEA. GUNNERY.

1. GUNNERY EXERCISES 0800Z TO 1000Z,
1030Z TO 1230Z AND 1300Z TO 1500Z DAILY
02 AND 03 MAR AND 0700Z TO 0900Z AND
0930Z TO 1130Z DAILY 04 AND 05 MAR
IN AREA BOUND BY
44-43.8N 032-52.2E, 44-34.8N 032-37.4E,
44-39.0N 032-11.5E, 44-48.4N 032-08.2E,
45-00.2N 032-14.2E, 44-52.2N 032-41.6E.
2. CANCEL THIS MSG 051230Z MAR.

(261515Z FEB 2004)

333/04. CANCELED.

334/04(51). NORTH ATLANTIC.

DISTRESS SIGNAL RECEIVED ON 121.5 AND 243.0 MHZ IN
33-06.7N 024-08.0W AT 262323Z FEB. VESSELS IN
VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST
IF POSSIBLE. REPORTS TO HORTA RADIO OR LISBOA RADIO.

(270650Z FEB 2004)

335/04 and 336/04. CANCELED.

337/04(54). IONIAN SEA. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS SUNRISE TO SUNSET DAILY
01 MAR THRU 30 APR EXCEPT SATURDAYS, SUNDAYS
AND HOLIDAYS IN AREA BOUND BY
37-12N 020-18E, 37-56N 020-00E,
37-56N 020-28E, 37-15N 020-49E.
2. CANCEL THIS MSG 01 MAY.

(271730Z FEB 2004)

338/04 and 339/04. CANCELED.

340/04(36). ENGLAND-WEST COAST.

UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER
NOTICE BY M/V GREY MAMMOTH:
A. WITHIN 1.5 MILES OF 53-59.5N 003-18.5W.
B. ALONG TRACKLINE JOINING
53-59.2N 003-16.1W, 53-57.7N 003-06.3W,
53-58.5N 003-01.2W, 54-01.4N 002-56.1W.
WIDE BERTH REQUESTED.

(280347Z FEB 2004)

341/04 and 342/04. CANCELED.

SECTION III

343/04(53). SARDEGNA-EAST COAST. MISSILES. ROCKETS.

1. HAZARDOUS OPERATIONS:

A. 0700Z TO 1900Z DAILY 01 THRU 05, 08 THRU 12,
15 THRU 19, 22 THRU 26 AND 29 THRU 31 MAR

IN AREA BOUND BY

40-00N 010-00E, 40-00N 010-30E,
39-10N 010-30E, 39-10N 010-00E,
39-26N 009-38E, 39-38N 009-38E.

B. 0700Z TO 1630Z DAILY 02 THRU 04, 09 THRU 11,
16 THRU 18, 23 THRU 25, 30 AND 31 MAR

IN AREA BOUND BY

40-15N 010-00E, 40-15N 011-31E,
40-11N 011-33E, 39-32N 011-38E,
38-52N 011-28E, 39-10N 010-00E,
39-28N 009-38E, 39-43N 009-40E.

C. 0700Z TO 1630Z DAILY 02 THRU 04, 09 THRU 11,
16 THRU 18, 23 THRU 25, 30 AND 31 MAR

IN AREA BOUND BY

40-37N 009-50E, 40-40N 010-35E,
40-40N 010-50E, 39-20N 010-50E,
39-20N 009-47E, 39-24N 009-40E.

2. CANCEL THIS MSG 312000Z MAR.

(281350Z FEB 2004)

344/04. CANCELED.

345/04(53). SARDEGNA-SOUTHWEST COAST. GUNNERY.

1. GUNNERY EXERCISES 0800Z TO 1700Z DAILY 01 THRU 06,
08 THRU 13 AND 15 THRU 20 MAR IN AREA BOUND BY
38-55-10N 008-42-30E, 38-50-00N 008-48-00E,
38-46-15N 008-48-00E, 38-43-30N 008-41-15E,
38-49-00N 008-26-00E, 38-56-10N 008-26-40E,
38-57-00N 008-37-06E.

2. CANCEL HYDROLANT 339/04(23), VESSEL IN TOW.

3. CANCEL THIS MSG 201800Z MAR.

(281615Z FEB 2004)

346/04(37). SOUTHERN NORTH SEA.

UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE
BY CABLESHIP WAVE SENTINEL VICINITY 52-28N 002-45E.
WIDE BERTH REQUESTED.

(281919Z FEB 2004)

347/04. CANCELED.

348/04(23.29). SOUTH ATLANTIC. ICE.

1. ICEBERGS REPORTED ON 28 FEB:

- A. A-38A, 20 MILES BY 31 MILES IN 53-44S 034-10W.
- B. A-38B, 19 MILES BY 38 MILES IN 54-14S 035-15W.
- C. A-43H, SIX MILES BY 35 MILES IN 54-27S 039-07W.
- D. A-48, FIVE MILES BY EIGHT MILES IN 52-21S 030-40W.
- E. UK-97, FOUR MILES BY EIGHT MILES IN 53-09S 041-04W.

2. CANCEL THIS MSG 07 MAR.

(290225Z FEB 2004)

349/04 thru 351/04. CANCELED.

352/04(24). BRAZIL-EAST COAST.

1. SURVEY OPERATIONS IN PROGRESS UNTIL 080259Z MAR
BY M/V POLAR BJORN TOWING 50 METER LONG CABLE
IN AREA BOUND BY
19-52.5S 039-45.7W, 19-51.1S 039-16.9W,
20-35.4S 039-20.9W, 20-35.6S 039-53.3W,
TWO MILE BERTH REQUESTED.

2. CANCEL THIS MSG 080359Z MAR.

(011850Z MAR 2004)

353/04(37). DOVER STRAIT.

CHART 37121 (11TH ED).

1. VERGOYER SOUTHWEST BUOY 50-27N 001-00E UNLIT.
2. CANCEL HYDROLANT 338/04(35,37), STATION RESTORED.

(011940Z MAR 2004)

354/04(GEN). GPS SATELLITE SYSTEM.

1. PRN 27 UNUSABLE 040500Z TO 041700Z MAR.
2. CANCEL THIS MSG 041800Z MAR.

(011945Z MAR 2004)

SECTION III

NM 12/04

355/04(53). SICILIA-NORTH COAST.
CHART 53242 (12TH ED).
CAPO ZAFFERANO LIGHT 38-06.6N 013-32.5E UNLIT.

(020000Z MAR 2004)

356/04 and 357/04. CANCELED.

358/04(GEN).

1. HYDROLANT MESSAGES IN FORCE 021200Z MAR 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2004 SERIES: 113(56), 124(53), 164(53), 169(51,52), 170(23), 177(52), 224(24), 227(37), 229(57), 230(57), 238(56), 249(57), 254(53), 259(54,56), 272(24), 282(37), 309(GEN), 315(37), 317(24), 322(53), 325(36), 326(52,53,56), 327(51), 328(37), 332(55), 334(51), 335(24), 337(54), 340(36), 341(24), 342(53), 343(53), 345(53), 346(37), 348(23,29), 349(24), 350(24), 351(24), 352(24), 353(37), 354(GEN), 355(53), 356(54), 357(53).
2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03.
3. CANCEL HYDROLANT 106/04, 300/04, 316/04, 344/04, 347/04.

(021140Z MAR 2004)

359/04(51). MOROCCO. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0700Z TO 1800Z DAILY 02 MAR THRU 30 APR IN AREA BOUND BY 28-46.5N 010-48.5W, 29-18.0N 011-06.0W, 29-08.0N 011-28.0W, 28-42.8N 010-56.7W.
2. CANCEL THIS MSG 301900Z APR.

(021800Z MAR 2004)

360/04(36,37,44). NORTH SEA.

41 FOOT S/V DIVERTEMENTO, UNREPORTED TO HANSTHOLM, DENMARK OR STAVANGER, NORWAY. LAST KNOWN POSITION 55-13N 005-20E AT 011400Z MAR. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO MRCC DENMARK, INMARSAT-C: 4923 80442, PHONE: 458 943 3099 EXT. 3203.

(022030Z MAR 2004)

361/04(35). SCOTLAND-WEST COAST.

CHART 35296 (5TH ED).

1. EILEAN NAN GABHAR LIGHT 55-50N 005-56W AT REDUCED INTENSITY.
2. CANCEL HYDROLANT 315/04(37), OPERATIONS COMPLETED

(022217Z MAR 2004)

362/04 and 363/04. CANCELED.

364/04(24). BRAZIL-EAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 05 MAR BY M/V VERITAS VIKING TOWING EIGHT 6000 METER LONG CABLES IN AREA BETWEEN 15-42S 15-08S AND 038-48W 037-47W. SIX MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 254/04(53), OPERATIONS COMPLETED.
3. CANCEL THIS MSG 06 MAR.

(030820Z MAR 2004)

365/04. CANCELED.

366/04(36). IRISH SEA.

1. UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE BY CABLESHIP ATLANTIC GUARDIAN VICINITY 53-47.5N 004-23.0W. WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 325/04.

(031120Z MAR 2004)

367/04(57). ANGOLA.

CHART 57262 (4TH ED).
DANGEROUS WRECK, LEAST DEPTH 9 METERS, IN 08-47.01S 013-15.27E.

(032050Z MAR 2004)

368/04(GEN). GPS SATELLITE SYSTEM.
PRN 31 UNUSABLE.

(040307Z MAR 2004)

SECTION III

369/04(24). BRAZIL-EAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 08 MAR
BY M/V TROPICALIENTE TOWING TWO 20 METER
LONG CABLES AND M/V BULLDOG TOWING TWO
15 METER LONG CABLES IN AREA BOUND BY
13-34.45S 038-51.15W, 13-36.90S 038-45.98W,
13-37.28S 038-46.17W, 13-34.85S 038-51.35W.
ONE MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 362/04 AND 363/04.
3. CANCEL THIS MSG 09 MAR.

(040810Z MAR 2004)

370/04(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 100359Z MAR BY
M/V RAMFORM VIKING TOWING EIGHT 6000 METER
LONG CABLES IN AREA BETWEEN
25-36S 26-18S AND 047-04W 046-31W.
FOUR MILE BERTH REQUESTED.
2. CANCEL THIS MSG 100459Z MAR.

(040815Z MAR 2004)

371/04(24). BRAZIL-SOUTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 100259Z MAR
BY M/V CGG HARMATTAN TOWING SIX 6000 METER
LONG CABLES IN AREA BOUND BY
25-35S 045-56W, 25-50S 045-52W,
25-42S 045-08W, 25-26S 045-14W.
FOUR MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 341/04.
3. CANCEL THIS MSG 100359Z MAR.

(040820Z MAR 2004)

SECTION III**NAVAREA XII**

Messages in force 041200Z March 2004:

2003 series 262(GEN)	2004 series 70(GEN)	75(19) 81(GEN)	83(GEN) 84(18)	85(GEN) 86(18)
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The summary of all NAVAREA XII messages in force as of 11 December 2003 is given in Section III of NM 52/03.

NAVAREA XII WARNINGS issued from 261200Z February to 041200Z March 2004.

78/04 thru 80/04. CANCELED.

81/04(GEN). GPS SATELLITE SYSTEM.

1. PRN 27 UNUSABLE 040500Z TO 041700Z MAR.
2. CANCEL THIS MSG 041800Z MAR.

(011510Z MAR 2004)

82/04. CANCELED.

83/04(GEN).

1. NAVAREA XII MESSAGES IN FORCE 021000Z MAR 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2004 SERIES: 70(GEN), 75(19), 77(18), 81(GEN), 82(16,17).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03.
3. CANCEL NAVAREA XII 68/04, 73/04.

(021020Z MAR 2004)

84/04(18). NORTH PACIFIC. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS IN PROGRESS UNTIL 092359Z MAR WITHIN 150 MILES OF 43-00N 130-00W.
2. CANCEL NAVAREA XII 82/04(16,17), STATION RESTORED.
3. CANCEL THIS MSG 100059Z MAR.

(032337Z MAR 2004)

85/04(GEN). GPS SATELLITE SYSTEM.

PRN 31 UNUSABLE.

(040301Z MAR 2004)

86/04(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 77/04.

(041010Z MAR 2004)

SECTION III

HYDROPACS

Messages in force 041200Z March 2004:

2001 series	801(72)	1911(62)	247(75)	339(63)	383(29)
1976(62)	895(62)	1982(GEN)	249(81,83)	344(76)	384(62)
2002 series	960(63)	2004(73,74)	257(61)	351(71)	385(GEN)
205(GEN)	993(62)	2106(73)	266(75)	352(63)	386(83)
206(GEN)	998(71)	2159(63)	267(63)	356(94,95)	387(22)
403(72,73)	1041(71)	2265(62)	270(61)	357(94,95)	388(GEN)
2199(63)	1198(92)	2275(22)	277(63)	358(94,95)	389(62)
2330(62)	1213(73)	2004 series	278(63)	359(61)	390(74)
2339(63)	1266(73)	23(62)	298(61)	361(72)	391(63)
2003 series	1330(62)	84(62)	302(62)	363(63)	392(63)
167(95)	1395(62)	121(63)	307(61)	364(63)	393(74)
207(62)	1652(63)	123(95,96)	308(61)	365(63)	394(83)
445(96)	1653(63)	158(29)	310(63)	366(63)	395(GEN)
495(62)	1655(29)	200(74)	312(63)	368(63)	396(81)
496(62)	1699(63)	217(19,97)	316(61)	369(95)	397(95)
506(62)	1700(62)	223(63)	317(95,96)	370(95)	398(63)
515(73)	1734(74)	226(81)	320(97)	371(94,95)	399(62)
638(62)	1785(96)	238(62)	323(62)	376(63)	
760(63)	1892(73)	243(61)	329(71)	377(22)	
761(63)	1893(73)	246(76)	331(GEN)	380(74,82)	

The summary of all HYDROPACS in force as of 11 December 2003 is given in Section III of NM 52/03.

HYDROPAC WARNINGS issued from 261200Z February to 041200Z March 2004.

361/04(72). JAVA SEA.

1. SEISMIC SURVEY IN PROGRESS UNTIL 20 MAR
BY M/V ZEPHYR 1 TOWING 8000 METER LONG
CABLE IN AREA BOUND BY 07-55S 114-54E,
06-06S 115-20E, 03-12S 117-33E,
03-37S 118-53E, 08-22S 119-11E.
2. CANCEL THIS MSG 21 MAR.

(261240Z FEB 2004)

362/04. CANCELED.

363/04(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0230Z TO 1130Z DAILY 01 THRU 07 MAR
WITHIN 25 MILES OF 14-01.0N 074-19.6E.
2. CANCEL THIS MSG 071230Z MAR.

(261535Z FEB 2004)

364/04(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

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

(261540Z FEB 2004)

365/04(63). INDIA-EAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 31 MAR
BY M/V PACIFIC SWORD TOWING 9000 METER LONG
CABLE IN AREA BOUND BY
13-04.0N 080-40.0E, 13-04.0N 081-20.0E,
11-40.0N 081-20.0E, 11-40.0N 080-00.0E,
12-24.0N 080-24.0E. WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 65/04.
3. CANCEL THIS MSG 01 APR.

(261545Z FEB 2004)

366/04(63). INDIA-EAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 20 MAR BY
M/V TEKNIK KEMBARA TOWING 1500 METER
LONG CABLE IN AREA BOUND BY
15-23.0N 081-05.0E, 15-25.0N 081-08.0E,
15-22.0N 081-10.0E, 15-20.0N 081-07.0E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 21 MAR.

(261600Z FEB 2004)

367/04. CANCELED.

SECTION III

368/04(63). ARABIAN SEA.

1. SEISMIC SURVEY 01 MAR THRU 24 APR
BY M/V SAGAR SANDHANI TOWING
TWO 8000 METER LONG CABLES
IN AREA BOUND BY
18-26N 070-13E, 18-38N 070-01E,
18-45N 070-10E, 18-33N 070-21E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 25 APR.

(270750Z FEB 2004)

369/04(95). SEA OF JAPAN. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1300Z DAILY
02 THRU 06, 08 THRU 13, 15 THRU 20,
22 THRU 27 AND 29 THRU 31 MAR
IN AREA BOUND BY
38-25N 128-45E, 38-25N 129-30E,
38-10N 129-30E, 38-10N 129-00E,
38-17N 129-00E, 38-17N 128-45E.
2. CANCEL THIS MSG 311400Z MAR.

(270910Z FEB 2004)

370/04(95). SEA OF JAPAN. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1000Z DAILY
02 THRU 06, 08 THRU 13, 15 THRU 20,
22 THRU 27 AND 29 THRU 31 MAR
IN AREA BOUND BY
38-08N 129-51E, 38-08N 130-10E,
37-39N 130-10E, 37-42N 129-51E.
2. CANCEL THIS MSG 311100Z MAR.

(270920Z FEB 2004)

371/04(94,95). YELLOW SEA. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1300Z DAILY
02 THRU 06, 08 THRU 13, 15 THRU 20,
22 THRU 27 AND 29 THRU 31 MAR
IN AREA BETWEEN
35-35N 36-00N AND 125-00E 125-30E.
2. CANCEL THIS MSG 311400Z MAR.

(270940Z FEB 2004)

372/04 thru 375/04. CANCELED.

376/04(63). INDIA-WEST COAST. ROCKETS.

1. HAZARDOUS OPERATIONS 1330Z TO 1700Z DAILY
03 AND 04 MAR WITHIN 75 MILES
OF 08-31.9N 076-52.1E.
2. CANCEL THIS MSG 041800Z MAR.

(271430Z FEB 2004)

377/04(22). SOUTH PACIFIC.

DISTRESS SIGNAL RECEIVED IN 24-30S 083-03W.
VESSELS IN VICINITY REQUESTED TO KEEP
A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO ANY COASTAL RADIO STATION.

(271830Z FEB 2004)

378/04 and 379/04. CANCELED.

380/04(74,82). SOUTH PACIFIC.

1. DISTRESS SIGNAL RECEIVED ON 121.5 MHZ IN 25-36S 161-05E.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO MRCC NOUMEA,
PHONE: 68 726 4772, FAX: 68 729 2303.
2. CANCEL HYDROFAC 379/04(83), FALSE ALERT.

(280720Z FEB 2004)

381/04 and 382/04. CANCELED.

383/04(29). SOUTH ATLANTIC. ANTARCTICA. ICE.

1. ICEBERGS REPORTED ON 28 FEB:
 - A. A-22A, 23 MILES BY 32 MILES IN 76-24S 052-18W.
 - B. A-23A, 32 MILES BY 34 MILES IN 76-06S 041-36W.
 - C. A-27, THREE MILES BY 14 MILES IN 75-54S 042-54W.
 - D. A-43A, 14 MILES BY 35 MILES IN 64-18S 054-30W.
 - E. A-43E, TEN MILES BY 14 MILES IN 66-30S 059-12W.
 - F. A-43F, 22 MILES BY 44 MILES IN 66-18S 060-00W.
 - G. A-52, EIGHT MILES BY 22 MILES IN 64-54S 057-54W.
2. CANCEL THIS MSG 07 MAR.

(290235Z FEB 2004)

SECTION III

NM 12/04

384/04(62). GULF OF SUEZ.

1. PIPELINE OPERATIONS IN PROGRESS UNTIL 25 MAR BY M/V EL DAWLEYA 2 VICINITY OF TRACKLINE BETWEEN 28-02.69N 033-31.00E AND 28-01.99N 033-27.73E.
0.5 MILE BERTH REQUESTED.
2. CANCEL HYDROPAC 291/04(74), OPERATIONS SUSPENDED.
3. CANCEL THIS MSG 26 MAR.

(011150Z MAR 2004)

385/04(GEN). GPS SATELLITE SYSTEM.

1. PRN 27 UNUSABLE 040500Z TO 041700Z MAR.
2. CANCEL THIS MSG 041800Z MAR.

(011515Z MAR 2004)

386/04(83). SOUTH PACIFIC.

F/V LADY VALERIE REPORTS CREWMAN REQUIRING MEDICAL ASSISTANCE IN 42-00.7S 148-07.7W AT 020200Z MAR. VESSELS IN VICINITY ABLE TO PROVIDE MEDICAL ASSISTANCE REQUESTED TO ASSIST IF POSSIBLE. REPORTS TO MARITIME OPERATIONS NEW ZEALAND, INMARSAT-C: 4512 00067, PHONE: 644 914 8333, FAX: 644 914 8334 OR TAUPO MARITIME RADIO.

(020750Z MAR 2004)

387/04(22). PERU.

CHART 22012 (31ST ED).

1. LA CONCORDIA LIGHT 18-20.8S 070-22.5W UNLIT.
2. CANCEL HYDROPAC 1485/03.

(020810Z MAR 2004)

388/04(GEN).

1. HYDROPAC MESSAGES IN FORCE 021200Z MAR 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2004 SERIES: 121(63), 123(95,96), 158(29), 200(74), 217(19,97), 223(63), 226(81), 238(62), 243(61), 246(76), 247(75), 249(81,83), 257(61), 266(75), 267(63), 270(61), 277(63), 278(63), 298(61), 302(62), 307(61), 308(61), 310(63), 312(63), 316(61), 317(95,96), 320(97), 323(62), 329(71), 331(GEN), 339(63), 341(81), 344(76), 346(97), 348(63), 351(71), 352(63), 355(63), 356(94,95), 357(94,95), 358(94,95), 359(61), 360(97), 361(72), 363(63), 364(63), 365(63), 366(63), 368(63), 369(95), 370(95), 371(94,95), 373(95), 375(63), 376(63), 377(22), 380(74,82), 383(29), 384(62), 385(GEN), 386(83), 387(22).
2. THE SUMMARY OF ALL HYDROPAC MESSAGES IN FORCE AS OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03.
3. CANCEL HYDROPAC 73/04, 74/04, 75/04, 86/04, 95/04, 345/04, 367/04.

(021150Z MAR 2004)

389/04(62). STRAIT OF HORMUZ.

DISTRESS SIGNAL RECEIVED FROM VESSEL BERGE FLANDERS IN 26-26N 056-42E. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC ALAMEDA, TELEX: 2301 72343, PHONE: 510 437 3701.

(030450Z MAR 2004)

390/04(74). AUSTRALIA-NORTHWEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY M/V VERITAS VIKING II TOWING EIGHT 6000 METER LONG CABLES IN AREA BETWEEN 19-20S 19-55S AND 113-40E 114-30E. WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 341/04(81), SEARCH SUSPENDED.
3. CANCEL HYDROPAC 346/04(97), OPERATIONS COMPLETED.

(031040Z MAR 2004)

391/04(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 041030Z TO 041230Z MAR WITHIN 13 MILES OF 22-28.7N 069-04.0E.
2. CANCEL THIS MSG 041330Z MAR.

(031050Z MAR 2004)

392/04(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 040230Z TO 040530Z AND 041230Z TO 041430Z MAR IN AREA BOUND BY 17-42.2N 083-18.6E, 17-42.1N 083-29.9E, 17-36.7N 083-28.5E, 17-32.7N 083-24.3E.
2. CANCEL THIS MSG 041530Z MAR.

(031055Z MAR 2004)

SECTION III

393/04(74). AUSTRALIA-NORTHWEST COAST.

SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY
M/V WESTERN TRIDENT TOWING TEN 2.5 MILE LONG CABLES
IN AREA BETWEEN 19-10S 20-30S AND 112-30E 113-40E.
WIDE BERTH REQUESTED.

(031953Z MAR 2004)

394/04(83). SOUTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 121.5 AND 243.0 MHZ
VICINITY 21-08S 175-49W AT 032332Z MAR.
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 8333,
FAX: 644 914 8334 OR TAUPO MARITIME RADIO.

(040043Z MAR 2004)

395/04(GEN). GPS SATELLITE SYSTEM.

PRN 31 UNUSABLE.

(040310Z MAR 2004)

396/04(81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 121.5 MHZ
IN 01-51.7N 145-40.4E AT 032141Z MAR.
VESSELS IN VICINITY REQUESTED TO KEEP
A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO U.S. COAST GUARD GUAM,
PHONE: 671 339 6100.

(040640Z MAR 2004)

397/04(95). YELLOW SEA. ORDNANCE.

1. BOMBING EXERCISES IN PROGRESS UNTIL 090800Z MAR
IN AREA BOUND BY
36-14-00N 126-38-00E, 35-41-00N 125-44-00E,
35-51-00N 125-35-00E, 36-21-29.5N 125-22-54.6E,
36-21-22.5N 126-30-07.6E.
2. CANCEL THIS MSG 090900Z MAR.

(040920Z MAR 2004)

398/04(63). ARABIAN SEA. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0200Z TO 1100Z DAILY
07 THRU 15 MAR IN AREA BOUND BY
25-15N 066-00E, 25-00N 066-36E,
24-10N 065-55E, 24-30N 065-30E.
2. CANCEL THIS MSG 151200Z MAR.

(040950Z MAR 2004)

399/04(62). ARABIAN SEA. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0200Z TO 1100Z DAILY
07 THRU 09 MAR IN AREA BOUND BY
14-30N 057-00E, 13-50N 057-50E,
15-30N 059-00E, 16-00N 058-30E.
2. CANCEL THIS MSG 091200Z MAR.

(040955Z MAR 2004)

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 NGA 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 1/04 for those in-force as of 18 December 2003, or by contacting the Maritime Administration Office of Ship Operations, Code MAR-613, Room 2123, 400 Seventh Street S.W., Washington DC 20590, Telephone (202) 366-5735, FAX (202) 366-3954, TLX II 710-822-9426 (MARAD DOT WSH).

MARAD ADVISORIES in force 4 March 2004: 00-7, 01-7, 02-2, 02-5, 02-7 and 03-4.

SECTION III

NM 12/04

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 NGA 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 1/04 for those in-force as of 18 December 2003.

SPECIAL WARNINGS in force 4 March 2004: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119, 120 and 121.

MARINE INFORMATION

UNITED STATES COAST GUARD NAVIGATION INFORMATION SERVICE

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

NOAA CHART NEW EDITIONS AND THEIR AVAILABILITY

NOAA recognizes two paper nautical chart products:

- the Charts-on-Demand Chart distributed by OceanGrafix (www.OceanGrafix.com), and
- the Traditional NOAA/NOS paper Chart distributed by the Federal Aviation Administration and the National Geospatial - Intelligence Agency (NGA).

The Charts-on-Demand Chart is available the day after NOAA clears a New Edition for release. The Traditional Chart is available two to eight weeks later. Each is official, should be put into service immediately, and meets Federal chart carriage requirements immediately upon its release. For questions contact NOAA at help@nauticalcharts.gov or call 301-713-1773 x105. Dates of Latest Edition for both charts are listed at <http://nauticalcharts.noaa.gov>.

This week's new editions released by NOAA are listed below.

11388	17 th Ed. Feb 2004 NEW EDITION 11BCO11388 FL-CHOCTAWHATCHEE BAY (New edition due to various general changes.)	WGS 84	(NOS Silver Spring, MD) 1:40,000
11502	29 th Ed. Feb 2004 NEW EDITION 11AHA11502 GA-FL-DOBOY SOUND TO FERNANDINA (New edition due to numerous Notice to Mariner changes.)	NAD 83	(NOS Silver Spring, MD) 1:80,000/LORAN-C
11536	17 th Ed. Feb 2004 NEW EDITION 11AHA11536 NC-APPROACHES TO CAPE FEAR RIVER (New edition due to numerous Notice to Mariner changes and channel realignment.)	NAD 83	(NOS Silver Spring, MD) 1:80,000/LORAN-C
11555	39 th Ed. Feb 2004 NEW EDITION 11ACO11555 NC-CAPE HATTERAS-WIMBLE SHOALS TO OCRAKOKE INLET (New edition due to numerous Notice to Mariner changes.)	NAD 83	(NOS Silver Spring, MD) 1:80,000/LORAN-C
16086	7 th Ed. Feb 2004 NEW EDITION 16XHA16086 AK-ARCTIC COAST-NOKOTLEK POINT TO WAINWRIGHT INLET (New edition due to change in format.)	NAD 83	(NOS Silver Spring, MD) 1:50,000
17401	11 th Ed. Feb 2004 NEW EDITION 17XHA17401 AK-LAKE BAY AND APPROACHES- CLARENCE STRAIT (New edition due to change in format.)	NAD 83	(NOS Silver Spring, MD) 1:10,000
18450	18th Ed. Feb 2004 NEW EDITION 18AHA18450 WA-SEATTLE HARBOR-ELLIOTT BAY AND DUWAMISH WATERWAY (New edition due to various general changes.)	NAD 83	(NOS Silver Spring, MD) 1:10,000

MARINE INFORMATION REPORT AND SUGGESTION SHEET INSTRUCTIONS

We value your suggestions to improve our products. The Marine Information Report and Suggestion Sheet is provided for users to submit corrective information. Please be complete and accurate in your description/suggestion and include the information as detailed below:

Observer: name(s) of person(s) making observation and rank, rate or title.

Ship/Organization: name of vessel or organization.

Address: complete mailing address. Also include telephone number, fax, and/or e-mail address, if available, in case clarification is required.

Date of Observation: day, month and year at which the observation was made.

Time of Observation: local time at which the observation was made.

Latitude/Longitude: exact position of the observation expressed as accurately as possible.

Datum: horizontal datum to which the observed position is referred (e.g. WGS, NAD83, local foreign datum, etc.).

Navigation System: method used to determine the position of the observation (e.g. radar, GPS, Loran, etc.).

Include details about the equipment used, if deemed pertinent.

Verified by Navigator: indicate whether observation was verified by navigator.

Product(s) Affected: product number(s) and/or name(s) to which the observation applies (e.g. Chart 62400, Sailing Directions Pub. 127, etc.).

Edition: edition number and/or year of affected product.

Latest correction applied: the latest Notice to Mariners to which your copy of affected product has been corrected.

Sounding sensor or method used: equipment or method used to collect soundings. When reporting soundings, please provide an annotated echogram, if available, for verification.

Soundings corrected for draft: indicate whether soundings have been corrected for vessel's draft. If not, please include observed draft along with the details of information reported.

Details of Information Reported: use this space to provide details of the observation/suggestion. When referring to a charted feature, please describe it exactly as it appears on the chart. When referring to a publication, please indicate page number(s) and line number(s) or station number(s) as applicable. Use additional sheets as necessary and include diagrams, photocopies of the product(s) involved and/or photographs to describe observations in greater detail. If possible, include the designation, point of contact, telephone number, fax number and/or e-mail address of the local port authority to enable NGA to update our records and obtain additional or later information.

User Feedback: use this space to provide feedback and suggestions for improving NGA products and services.

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

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

Due to the large volume of information received, NGA cannot acknowledge receipt of every report. Some reports containing useful data are filed for use in the compilation of the next edition of the affected product. Others confirm or clarify previously reported information. Echogram traces are digitized and become part of our Bathymetric Database. Acknowledgment is made by inclusion in the Observer's List of the Notice to Mariners (page ii), or in some cases by letter from the Agency involved.

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

MARINE INFORMATION REPORT AND SUGGESTION SHEET

Observer _____ Ship/Organization _____

Address _____

Email address _____

Date of Observation _____ Time of Observation (Local) _____

Latitude _____ Longitude _____ Datum _____

Navigation System _____ Verified by Navigator: Yes _____ No _____

Product(s) Affected _____ Edition _____

Latest correction applied: N.M. _____

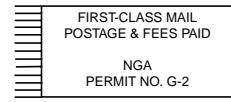
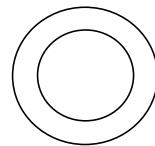
Sounding sensor or method used _____ Sounding(s) corrected for draft: Yes _____ No _____

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

User Feedback (continue on additional sheets as necessary)



**MARITIME SAFETY INFORMATION DIVISION
ST D44
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY
4600 SANGAMORE ROAD
BETHESDA MD 20816-5003**



ARCTIC MARITIME SAFETY INFORMATION REPORT SHEET

Observer _____

Ship/Organization _____

Phone _____ Email Address_____

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

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

Date of Insertion _____ Date of Removal _____

If observed, Date _____ Time (Local) _____

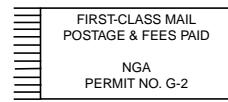
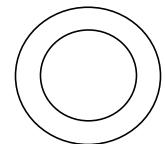
Latitude _____ Longitude _____ Datum _____

Navigation System _____ Verified by Navigator: Yes _____ No _____

Sounding sensor or method used _____

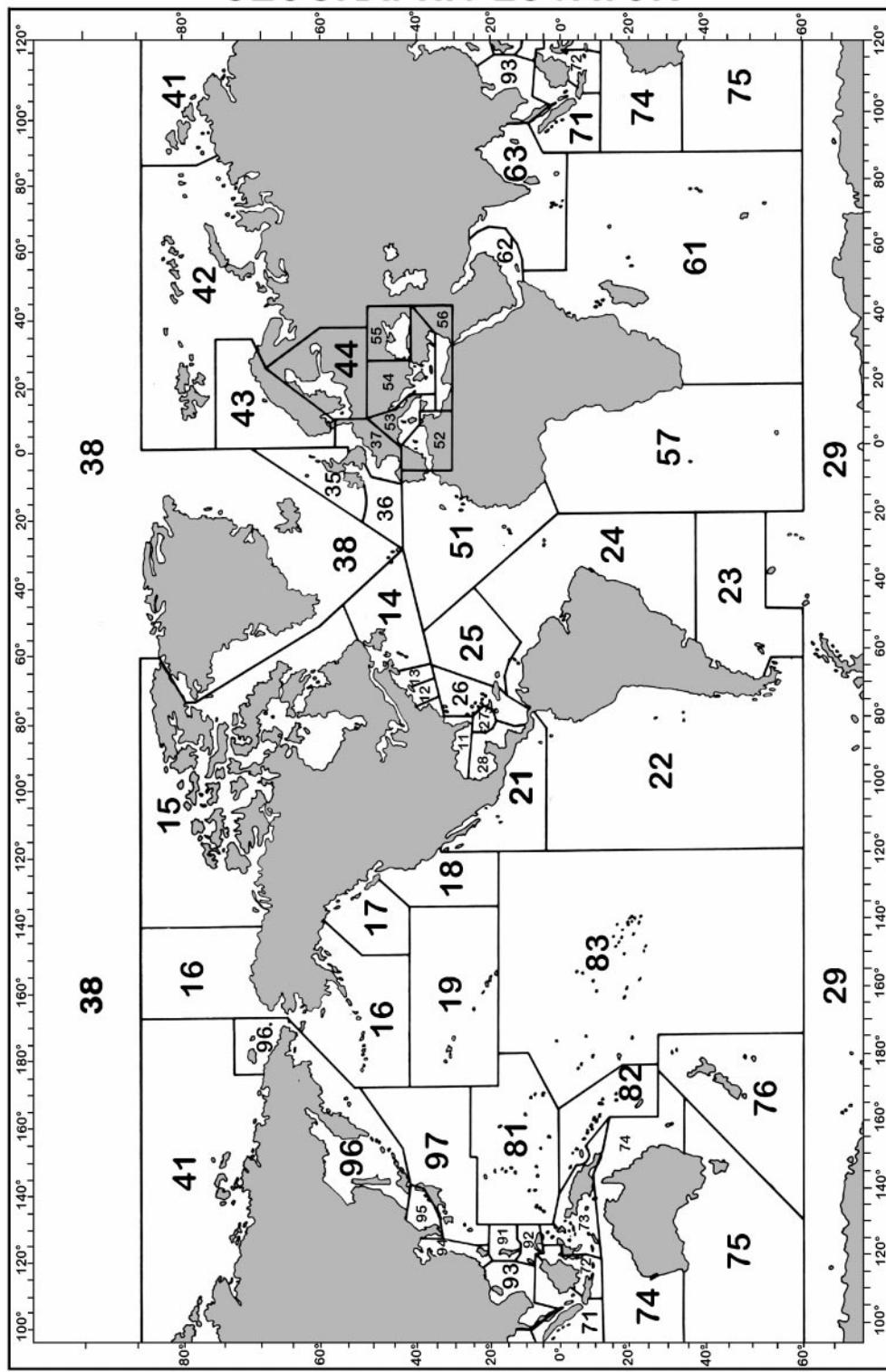
Sounding(s) corrected for draft: Yes _____ No _____

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



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GEOGRAPHIC LOCATOR



For chart numbering purposes, the world is divided into nine regions, each corresponding to the geographic limits of one of the nine regions in the NGA Catalog of Maps, Charts, and Related Products, Part 2-Hydrographic Products, Volume 1. Each Region is further subdivided into the numbered Subregions in the above graphic. The first two digits of all five-digit chart numbers indicate the geographic subregion to which the chart pertains. Users can locate corrections in this Notice for charts of their immediate interest by determining the two-digit Sub-region number of the pertinent geographic area, and then turning to the page or pages that list the chart numbers beginning with those two digits.

AFTER 5 DAYS RETURN TO

DEFENSE SUPPLY CENTER RICHMOND

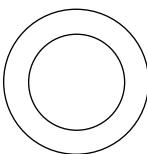
ATTN: JNAH

8000 JEFFERSON DAVIS HIGHWAY
RICHMOND, VIRGINIA 23297-5338

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TIME-DATED**



**NOTICE TO
MARINERS**

PLEASE EXPEDITE DELIVERY