



# **SOUTH AFRICAN NOTICE TO MARINERS APRIL 2003 EDITION**

**PUBLISHED MONTHLY  
BY THE  
HYDROGRAPHIC OFFICE  
CAPE TOWN**

## **CONTENTS**

- I Explanatory Notes and Index
- II SAN Notices to Mariners. Updates to Standard Navigational Charts
- III SAN Charts and SAN HO Publications - New Charts / Editions
- IV Corrections to SAN HO Publications
- V Corrections to SA List of Lights and Radio Services
- VI Reprints of Radio Navigational Warnings

## **IMPORTANT**

Mariners are requested to inform the Hydrographer, Private Bag X1, Tokai 7966, immediately of the discovery of new dangers, or changes or defects in aids to navigation and of shortcomings in South African charts or publications. Copies of form HO-16, which is a convenient form on which to send in a report, may be obtained gratis from any Official Chart Agent or the reproduction at the end of Section VI of the monthly edition of Notices to Mariners.

In addition to postal methods, the following additional communication facilities are available :

Notices to Mariners Web site : Web : <http://www.sanho.co.za>

Urgent navigational information : Fax : 021 787 2228  
Phone : 021 787 2445

Other navigational information : Phone : 021 787 2444  
E-mail : [hydrosan@iafrica.co.za](mailto:hydrosan@iafrica.co.za)

General information : Phone : 021 787 2408

**N.M. Smit, Rear Admiral (JG)  
Hydrographer, SA Navy  
NAVAREA VII Co-ordinator**

I

**INDEX OF CHARTS AND PUBLICATIONS AFFECTED**

---

<b>SAN Charts</b>	<b>Notices</b>	<b>Pages</b>
75(INT 2630)	43	2
76(INT 2640)	43	2
77(INT 2650)	43	2
78(INT 2660))	43	2
79(INT 2670)	41	1
83(INT 7530)	45(T)	5
113	43	2
114	43	2
115	43	3
116	43	3
117	40, 41	1
125	45(T)	5
126	45(T)	5
1015	44(T)	5
1016	42	1
1024(INT 7531)	45(T)	5
SC4	42, 44(T)	1, 5
SC5	42	1

<b>SAN Publications</b>	<b>Notices</b>	<b>Pages</b>
Nil		

<b>SAN Charts - New Charts / Editions</b>	<b>Notices</b>	<b>Pages</b>
Nil		

---

## I

### **Spheroid / GPS Positions**

All positions quoted in these Notices are referred to **Clarke 1880 (Mod) Spheroid** unless otherwise stated. On chart scales of **1: 100 000 and smaller**, positions from **GPS receivers** set to **WGS 84** may be plotted directly on these charts. Mariners are warned that **insertion of Clarke 1880 (or other) positions on Automatic Plotters which are set to WGS 84 Spheroid can result in inaccurate navigation practices.**

### **Temporary and Preliminary Notices**

These are indicated by (T) or (P) after the notice number. These are printed on one side of the paper in order that they may be cut and filed and are placed at the end of Section II. To assist in filing, the year is indicated after the notice number. **Information from these notices is not included on charts before issue;** charts should be updated in pencil on receipt.

### **Permanent Notices**

Permanent corrections in Section II are marked by a star adjacent to the notice number to indicate that the notice is based on original information. Periodic lists of permanent corrections pertaining to affected navigational charts and publications are published annually and copies may be obtained from the Hydrographic Office or through a Chart Agent.

### **Chart Corrections**

Further details are contained in NP100 The Mariner's Handbook which should be consulted for the correct procedures of filing, inserting and noting all types of corrections on nautical charts and other hydrographic publications. The Handbook may be obtained from Admiralty Chart Agents in Cape Town and Durban. Consult SAN HO-6 for Symbols and Abbreviations used on SAN Charts and NP735 for an illustrated explanation of the IALA Maritime Buoyage System.

### **Provision of Notices to Mariners**

These Notices are *gratis* and may be obtained on request from the Hydrographic Office or through the approved Chart Agents. Additional copies required of "block" chart corrections can also be obtained through the above procedure.

### **Radio Navigational Warnings**

See Note at the start of Section IV.

## **GUIDANCE NOTES FOR VIEWING AND PRINTING NOTICES USING ADOBE ACROBAT**

For optimum results when viewing and printing material from the PDF digital files please note the following:

The minimum specification is a 486 PC with Windows 3.1 and 4MB of RAM.

When printing data from the files, ensure the Fit to Page icon in the Adobe Acrobat print menu is switched off before printing. Otherwise large text pages will be compressed, or large size Blocks may not fit the chart.

If printing text or monochrome NM Blocks, the minimum specification is an Inkjet or good quality Laser Postscript printer with at least 6 MB of memory. (NB. If using a Postscript printer, ensure the Postscript printer driver is installed).

For printing Colour NM Blocks the minimum specification of printer is a good quality Ink Jet/Laser printer with 300 dpi resolution or greater.

If using certain types of Ink Jet printer ensure the setting is set to Dithered screening not Pattern screening.

Printed colour copies should be compared with the colour image on screen to ensure that all the colours have reproduced correctly. Printer property resolution and ink density may need to be increased or adjusted to obtain the best results.

Ensure the Colour Ink Cartridge is in accordance with the printer manufacturers specifications. Minimum paper specification for printing Colour NM Blocks is International paper size A4, thickness/weight 80 gsm paper. (The same paper as used for NM Blocks in the NM Weekly). NB. (Ensure the paper quality is in accordance with the Printer manufacturers specifications).

**The Hydrographer does not accept any liability for the display and printing of these digital Notices to Mariners on the users equipment.**

**I**

**TEMPORARY NOTICES AND PRELIMINARY NOTICES  
In force 30 April 2003**

**TEMPORARY NOTICES**

**2001 Series**

82(T)	Namibia	Walvis Bay	Unlit vessel at anchor.
95(T)	Namibia	Lüderitz	Tiger Reef Buoy missing.

**2002 Series**

71(T)	Namibia	Lüderitz seawards	Foul Area.
78(T)	Namibia	Baker's Bay	Foul Area.
89(T)	Namibia	Bogenfels	Anchor Obstructions, Foul Area.
99(T)	RSA	South Sand Bluff	Light unlit.
111(T)	RSA	Saldanha Bay	Oil Production Platform in position.

**2003 Series**

44(T)	RSA	Houtbaai	North Mole dangerous.
45(T)	RSA	Port Elizabeth	Ngqura Harbour construction.

**PRELIMINARY NOTICES**

**Nil prior to these Notices.**

**2002 Series**

98(P)	RSA	Agulhas Bank	Proposed Sable Oil Field.
-------	-----	--------------	---------------------------

II

**SA NAVY SAN CHARTS OF SOUTH AFRICAN AND NAMIBIA THAT ARE REFERRED TO THE WGS84 SPHEROID**

The following is the current list of SAN charts of South Africa and Namibia that are referred to the WGS84 spheroid.

76(INT 2640)	79(INT 2670)	87(INT 7570)	113
125	132	133	1001(INT 2611)
1003	1012(INT 2672)	1015	1017
1024(INT 7531)	1025(INT 7532)	1032(INT 7572)	1033(INT 7571)
2004	SC3	SC5	

**MISCELLANEOUS**

1. Mariners are advised that South African Notices to Mariners is available in PDF format on the internet at

Website : <http://www.sanho.co.za>

2. Mariners attention is invited to the fact that the Hydrographic Office E-Mail address [hydrosan@iafrica.co.za](mailto:hydrosan@iafrica.co.za) is only manned during office hours, Mondays to Friday (Public Holidays excluded), between the hours of 0600 UTC and 1400 UTC. Only matters of a routine nature must be forwarded by this method. All urgent messages must be forwarded via Fax number 021 787 2228.

**\*40 SOUTH AFRICA, South West Coast - Lambert's Bay - Wavescan Buoy**

1. Insert  In position 32°06'.18 S 018°17'.64 E

2. Originally issued as Coastal Navigation Warning 158 of 2003.

SAN Chart : 117 (74/02)

Source : SAS UMZIMKULU

**\*41 SOUTH AFRICA, South West Coast - Elandsbaai - Coastal Management Research Buoy**

1. Insert :  in position

Chart SAN 117 32°18'.18 S 018°18'.54 E  
Chart SAN 79(INT 2670) 32°18'.2 S 018°18'.5 E

2. Originally issued as Coastal Navigation Warning 159 of 2003.


SAN Charts : 79(INT 2670) (28/03)

117 (40/03)

Source : SAS UMZIMKULU


(SAN 79, 117)

**\*42 SOUTH AFRICA, South West Coast - Gordon's Bay - Tide Gauge**

1. Delete :  in approximate position 34°09'48" S 018°51'32" E

SAN Charts : SAN SC 4 (Gordon's Bay panel) (28/03)

SAN SC 5 (Gordon's Bay panel) (67/02)

2. Delete :  in approximate position 34°09'48" S 018°51'32" E

SAN Chart : 1016 (Gordon's Bay panel) (109/02)

Source : Hydrographer

(SAN SC 4, SC 5, 1016)

II

**\*43 SOUTH AFRICA / NAMIBIA, West Coast - Marine Mining Vessels**

**Chart 75(INT 2630)**

Insert : Legend	<i>Marine Mining Vessels</i> (see note)	in approx. position	a. 26°17'.0 S	014°46'.0 E
			b. 27°09'.0 S	015°06'.0 E
			c. 27°55'.0 S	015°32'.0 E

Insert : Accompanying Note	Marine Mining Vessels in approx. position	26°40'.0 S	015°37'.0 E
----------------------------	--	------------	-------------

**Chart 76(INT 2640)**

Insert : Legend	<i>Marine Mining Vessels</i> (see note)	in approx. position	a. 27°58'.0 S	015°34'.0 E
			b. 28°50'.0 S	016°25'.0 E
			c. 29°25'.0 S	016°45'.0 E

Insert : Accompanying Note	Marine Mining Vessels in approx. position	28°30'.0 S	016°49'.0 E
----------------------------	--	------------	-------------

**Chart 77(INT 2650)**

Insert : Legend	<i>Marine Mining Vessels</i> (see note)	in approx. position	a. 29°25'.0 S	016°45'.0 E
			b. 30°09'.0 S	017°05'.0 E
			c. 30°44'.0 S	017°18'.0 E

Insert : Accompanying Note	Marine Mining Vessels in approx. position	29°53'.0 S	017°43'.0 E
----------------------------	--	------------	-------------

**Chart 78(INT 2660)**

Insert : Legend	<i>Marine Mining Vessels</i> (see note)	in approx. position	a. 30°54'.0 S	017°24'.0 E
			b. 31°34'.0 S	017°53'.0 E
			c. 32°08'.0 S	018°04'.0 E

Insert : Accompanying Note	Marine Mining Vessels in approx. position	31°25'.0 S	018°10'.0 E
----------------------------	--	------------	-------------

**Chart 113**

Insert : Legend	<i>Marine Mining Vessels</i> (see note)	in approx. position	a. 28°46'.0 S	016°28'.0 E
			b. 29°11'.0 S	016°46'.0 E

Insert : Accompanying Note	Marine Mining Vessels in approx. position	28°58'.3 S	016°55'.0 E
----------------------------	--	------------	-------------

**Chart 114**

Insert : Legend	<i>Marine Mining Vessels</i> (see note)	in approx. position	a. 29°24'.0 S	016°53'.0 E
			b. 29°51'.0 S	017°02'.0 E
			c. 30°05'.0 S	017°07'.0 E

Insert : Accompanying Note	Marine Mining Vessels in approx. position	29°41'.6 S	017°11'.0 E
----------------------------	--	------------	-------------

II

**Chart 115**

Insert : Legend	<i>Marine Mining Vessels</i> (see note)	in approx. position	a. 30°15'.8 S	017°09'.0 E
			b. 30°31'.0 S	017°18'.0 E
			c. 30°48'.0 S	017°26'.0 E

Insert : Accompanying Note	Marine Mining Vessels		
	in approx. position	30°05'.2 S	017°35'.0 E

**Chart 116**

Insert : Legend	<i>Marine Mining Vessels</i> (see note)	in approx. position	a. 31°02'.5 S	017°33'.0 E
			b. 31°19'.0 S	017°47'.0 E
			c. 31°37'.5 S	018°03'.0 E

Insert : Accompanying Note	Marine Mining Vessels		
	in approx. position	31°12'.4 S	018°12'.0 E

<i>SAN Charts :</i>	75(INT 2630)	(60/02)
	76(INT 2640)	(48/01)
	77(INT 2650)	(61/02)
	78(INT 2660)	(35/02)
	113	(38/01)
	114	(38/01)
	115	(73/01)
	116	(38/01)

<i>Source :</i>	<i>Hydrographer</i>	(SAN 75, 76, 77, 78, 113, 114, 115, 116)
-----------------	---------------------	--

## II

### SOUTHAFRICAN NOTICES TO MARINERS : SECTION II CHANGE OF FORMAT OF NOTICES

1. In order to keep abreast with modern trend of other international publishers of Notices to Mariners a change to the format of Updates to Standard Navigational Charts in Section II of the Monthly bulletin will be made. This change will be introduced with the publication of the May 2003 edition. From that bulletin onwards, the update for each chart with a Notice will be listed separately. An example of a Notice in the intended format is shown below:

#### \*106 SOUTH AFRICA / NAMIBIA, West Coast - Marine Mining Vessels

Source: Hydrographer

##### Chart 115 [ previous update 73/01 ]

Insert : Legend	<i>Marine Mining Vessels</i> (see note)	in approximate.. position	a. 30°15'.8 S	017°09'.0 E
			b. 30°31'.0 S	017°09'.0 E
			c. 30°48'.0 S	017°26'.0 E

Insert : Accompanying Note	Marine Mining Vessels in approximate position	30°05'.2 S	017°35'.0 E
----------------------------	--	------------	-------------

##### Chart 116 [ previous update 73/01 ]

Insert : Legend	<i>Marine Mining Vessels</i> (see note)	in approximate position	a. 31°02'.5 S	017°33'.0 E
			b. 31°19'.0 S	017°47'.0 E
			c. 31°37'.5 S	018°03'.0 E

Insert : Accompanying Note	Marine Mining Vessels in approximate position	31°12'.4 S	018°12'.0 E
----------------------------	--	------------	-------------

2. Apart from listing the updates for each chart separately, the source or the authority for the information on which the Notice is based will be repositioned under the title.

3. It is anticipated that most chart users will find this new format clearer than the existing format. Any comments or anticipated difficulties with this new format should be reported to:

Captain P.R. le Roux  
Superintendent Safety Information  
Hydrographic Office  
Private Bag X1  
7966 Tokai.  
Tel: 021 787 2445  
e-mail: hydrosan@iafrica.co.za  
Fax: 021 787 2233



II

**44(T)/03 SOUTH AFRICA, South West Coast - Houtbaai - North Mole**

1. Insert : Legend *Mole Dangerous : Mooring Prohibited*  
in approximate position 34°03'01" S 018°21'02" E

2. Originally issued as Coastal Navigation Warning 125/03

*SAN Charts :* *SAN SC 4 (42/03)*  
*SAN 1015 (109/02)*

*Source :* *National Ports Authority*  
(SAN SC 4, 1015)

**45(T)/03 SOUTH AFRICA, South Coast -Port Elizabeth - Construction of Ngqura Harbour**

1. Insert : **T T T T** between following positions  
a. 33°47'.7 S 025°40'.0 E  
b. 33°47.7 S 025°42'.5 E  
c. 33°49'.0 S 025°40'.0 E  
d. 33°49'.0 S 025°42'.5 E (closed area)

2. Insert legend : *Harbour Construction* in approximate position 33°48'.8 S 025°41.9 E

*SAN Charts :* *83(INT 7530) (36/03)*  
*125 (36/03)*  
*126 (37/02)*  
*1024(INT 7531) (109/02)*

*Source :* *NGQURA Harbour Contractors*  
(SAN 83, 125, 126, 1024)

## **IIA**

### **LIST OF TEMPORARY AND PRELIMINARY NOTICES TO MARINERS ISSUED BY THE MOZAMBIQUE INSTITUTE OF HYDROGRAPHY AND NAVIGATION (INAHINA) IN FORCE**

Nil prior to these Notices.

## **III**

### **SAN CHARTS AND SAN HO PUBLICATIONS - NEW CHARTS / EDITIONS**

SOUTH AFRICAN SAILING DIRECTIONS Volume 2 SAN HO-22 and Volume 3 SAN HO-23 are, unfortunately, out of print. New editions are currently undergoing major revision and upgrading with the intention of eventually making them available on the website. It is anticipated that the new editions will be available during the early part of 2003. South African Maritime Safety Authority (SAMSA) has been informed of the present situation regarding these publications.

## **IV**

### **CORRECTION TO SAN PUBLICATIONS**

Nil

## **V**

### **CORRECTION TO SA LIST OF LIGHTS AND RADIO SERVICES - SAN HO-1 (New Edition 2002)**

Nil

## VI

### NAVAREA VII and Coastal Navigational Warnings Bulletin in force as at 30 April 2003

See NM 3/2003. Broadcast Warnings are available at Port Offices and remain valid until cancelled or until superseded by this and/or other broadcast bulletins.

#### NAVAREA VII MESSAGES

**Nil Prior to these Messages.**

##### 2003Series

036	Mozambique	Ponta Saide Ali	Light unlit.
037	Mozambique	Ilha Tambuzi	Light unlit.
059	AFMET Facsimile Schedule		Off the air
061	Angola		Rig List.

#### COASTAL NAVIGATIONAL WARNINGS

**Nil Prior to these Messages**

##### 2003Series

110	Namibia	Bogenfels	Swamped mining tools abandoned.
125	RSA	Hout Bay	North Mole decayed.
143	Namibia	Lüderitz	Swamped anchors.
158	RSA	Lambert's Bay	Wavescan buoy laid.
159	RSA	Elandsbaai	Research buoy laid.
160	RSA	Mosselbaai	Rig list.
193	Namibia	South Coast	Seismic survey.
196	RSA/Namibia		Marine Mining Vessels

## VI

### ANNEX A

USA Government Special Warning in force 18 December 2001

#### **SPECIAL WARNING NUMBER 120 WORLDWIDE**

1. Due to recent events in the Middle East and the American Homeland, U.S. Forces worldwide are operating at a heightened state of readiness and taking additional defensive precautions against terrorists and other potential threats. Consequently, all aircraft, surface vessels, and sub-surface vessels approaching U.S. Forces are requested to maintain radio contact with U.S. Forces on bridge-to-bridge channel 16, international air distress (121.5 Mhz VHF) or MILAIR distress (243.0 Mhz UHF).
2. U.S. Forces will exercise appropriate measures in self-defence if warranted by the circumstances. Aircraft, surface vessels, and sub-surface vessels approaching U.S. Forces will, by making prior contacts as described above, help make their intentions clear and avoid unnecessary initiation of such defensive measures.
3. U.S. Forces, especially when operating in confined waters, shall remain mindful of navigational considerations of aircraft, surface vessels, and sub-surface vessels in their immediate vicinity.
4. Nothing in the Special Warning is intended to impede or otherwise interfere with the freedom of navigation or overflight of any vessel or aircraft, or to limit or expand the inherent self-defence rights of U.S. Forces. This Special Warning is published solely to advise of the heightened state of readiness of U.S. Forces and to request that radio contact be maintained as described above. (Issued 16 Nov 2001)

USA Government Special Warning in force 20 March 2003

#### **SPECIAL WARNING NUMBER 121. PERSIAN GULF**

1. Coalition Naval Forces may conduct military operations in the Eastern Mediterranean Sea, Red Sea, Gulf of Aden, Arabian Sea, Gulf of Oman and Arabian Gulf. The timely and accurate identification of all vessels and aircraft in these areas are critical to avoid the inadvertent use of force.
2. All vessels are advised that coalition Naval Forces are prepared to exercise appropriate measures in self-defense to ensure their safety in the event they are approached by vessels or aircraft. Coalition Forces are prepared to respond decisively to any hostile acts or indications of hostile intent. All maritime vessels or activities that are determined to be threats to Coalition Naval Forces will be subject to defensive measures, including boarding, seizure, disabling or destruction, without regard to registry or location. Consequently, surface vessels, sub-surface vessels and all aircraft approaching Coalition Naval Forces are advised to maintain radio contact on Bridge-to-Bridge channel 16, International Air Distress (121.5 MHZ VHF) or Military Air Distress (243.0 MHZ UHF)
3. Vessels operating in the Middle East, Eastern Mediterranean Sea, Red Sea, Gulf of Oman, Arabian Sea and Arabian Gulf are subject to query, being stopped, boarded and searched by US/Coalition warships operating in support of operations against Iraq. Vessels found to be carrying contraband bound for Iraq or carrying and/or laying Naval mines are subject to detention, seizure and destruction. This notice is effective immediately and will remain in effect until further notice.

**HO-16 (July 2002)**

**HYDROGRAPHIC NOTE**

(for instructions, see overleaf)

Date .....

Ref. No .....

Name of ship or sender : .....

Address of sender : .....

.....

.....

Tel/Fax/Telex No. e-mail address of sender (if appropriate) : .....

General locality Subject : .....

Position : Lat : .....

Long : .....

SAN Chart(s) affected : .....

Edition dated : .....

Position fixing system used : .....

Datum set : .....

Latest Monthly Edition of Notice to Mariners held : .....

Publications affected : (Edition No ..... date of latest supplement, page and Light List No. etc.)

Details:

A replacement copy of Chart(s) No(s) ..... is required, but see 4 overleaf.

Signature of observer/reporter : .....

# HYDROGRAPHIC NOTE

## Forwarding information for South African Charts and Hydrographic Publications

### INSTRUCTIONS

1. Mariners are requested to notify the Hydrographer of the South African Navy, Private Bag X1, Tokai, 7966, or by Facimile 021 7872228 or E-mail *hydrosan@iafrica.co.za* when new or suspected dangers to navigation are discovered, changes observed in aids to navigation, or corrections to publications seen to be necessary. The *Mariner's Handbook (NP 100) Chapter 8* gives general instructions. The provisions of international and national laws should be complied with when forwarding such reports.
2. This form and its instructions have been designed to help both the sender and the recipient. It should be used, or followed closely, whenever appropriate. Copies of this Form may be obtained gratis from the SAN Hydrographic Office at the above address or principal Chart Agents (see *Annual Notice to Mariners No.1*).
3. When a **position** is defined by sextant angles or bearings (true or magnetic being specified) more than two should be used in order to provide a check. Distances observed by radar and the readings of Loran, Decca, etc., should be quoted. Latitude and longitude should only be used specifically to position the details when they have been fixed by astronomical observations or GPS and a full description of the method, equipment and datum (where applicable) used should be given.
4. A cutting from the largest scale chart is the best medium for forwarding details, the alterations and additions being shown thereon in red. When requested, a new copy will be sent in replacement of a chart that has been used to forward information, or when extensive observations have involved defacement of the observer's chart. If it is preferred to show the amendments on a tracing of the largest scale chart (rather than on the chart itself) these should be in red as above, but adequate details from the chart must be traced in black ink to enable the amendments to be fitted correctly.
5. When **soundings** are obtained *The Mariner's Handbook (NP 100)* should be consulted. The echo sounding trace should be marked with times, depths, etc., and forwarded with the report. It is important to state whether the echo sounder is set to register depths below the surface or below the keel; in the latter case the vessel's draught should be given. Time and date should be given in order that corrections for the height of the tide may be made where necessary. The make, name and type of set should also be given.
6. Modern **echo sounders** frequently record signals from echoes received back after one or more rotations of the stylus have been completed. Thus with a set whose maximum range is 500m, an echo recorded at 50m may be from depths of 50m, 550m or even 1050m. Soundings recorded beyond the set's nominal range can usually be recognised by the following:
  - (a) the trace being weaker than normal for the depth recorded,
  - (b) the trace passing through the transmission line,
  - (c) the feathery nature of the trace.

As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be submitted if they show significant differences from charted depths.

7. Reports which cannot be confirmed or are lacking in certain details should not be withheld. Shortcomings should be stressed and any firm expectation of being able to check the information on a succeeding voyage should be mentioned.
8. Reports of **shoal soundings**, uncharted dangers and navigational aids out of order should, at the mariner's discretion, also be made by radio to the nearest coast radio station. The draught of modern tankers is such that any uncharted depth under 30 metres or 15 fathoms may be of sufficient importance to justify a radio message.

**Note :** An acknowledgement or receipt will be sent and the information then used to the best advantage which may mean immediate action or inclusion in a revision in due course. When a Notice to Mariners is issued, the sender's ship or name is quoted as authority unless (as sometimes happens) the information is also received from other authorities. An explanation of the use made of contributions from all parts of the world would be too great a task and a further communication should only be expected when the information is of outstanding value or has unusual features.

To accompany Notice to Mariners 43 of 2003.

Charts SAN 75(INT 2630), 76(INT 2640), 77(INT 2650), 78(INT 2660), 113, 114, 115, 116.

**MARINE MINING VESSELS**

Attention is drawn to South African Annual Notice to Mariners No 24 regarding marine mining vessels.

**MARINE MINING VESSELS**

Attention is drawn to South African Annual Notice to Mariners No 24 regarding marine mining vessels.

**MARINE MINING VESSELS**

Attention is drawn to South African Annual Notice to Mariners No 24 regarding marine mining vessels.

**MARINE MINING VESSELS**

Attention is drawn to South African Annual Notice to Mariners No 24 regarding marine mining vessels.

**MARINE MINING VESSELS**

Attention is drawn to South African Annual Notice to Mariners No 24 regarding marine mining vessels.

**MARINE MINING VESSELS**

Attention is drawn to South African Annual Notice to Mariners No 24 regarding marine mining vessels.

**MARINE MINING VESSELS**

Attention is drawn to South African Annual Notice to Mariners No 24 regarding marine mining vessels.

**MARINE MINING VESSELS**

Attention is drawn to South African Annual Notice to Mariners No 24 regarding marine mining vessels.