



**Notice 74-83
August 2009
Supplied Gratis**

SOUTH AFRICAN NOTICE TO MARINERS

August 2009 EDITION

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

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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 : (24 Hour Service)	Telex : 95 527946 (ANS BACK: NAVY SA) Fax : +27 21 787 2228
Other navigational information : (0730 - 1600 Mon - Fri)	Fax : +27 21 787 2233 Phone : +27 21 787 2445/2444 E-mail : hydrosan@jafrika.com
General information : (0730 - 1600 Mon - Fri)	Phone : +27 21 787 2408

**Captain A. Kampfer
Hydrographer, SA Navy
NAVAREA VII Co-ordinator**

I

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I cont/...

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SAN Publications - New Publications / Editions	Notices	Pages
Nil		

SANHO Charts and Publications - Permanently Withdrawn	Notices	Pages
Nil		

I cont/...

Spheroid / GPS Positions

All positions quoted in these Notices are referred to the **Datum** indicated next to the chart number.

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 VI.

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 Monthly). 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 cont/...

**TEMPORARY NOTICES AND PRELIMINARY NOTICES
In force 03 September 2009**

CANCELLED NOTICES

89(P)/07 Chart SAN 1031 (INT 7562)
91(P)/07 Chart SAN 135, 1030 (INT 7561), 1031 (INT 7562)
92(P)/07 Chart SAN 1033 (INT 7571)
130(P)/07 Chart SAN 1031 (INT 7562)
131(P)/07 Chart SAN 1031 (INT 7562)
132(P)/07 Chart SAN 1031 (INT 7562)

TEMPORARY NOTICES

2003 Series

64(T) RSA Durban Oil Terminal SBM Buoy laid.

2005 Series

42(T) RSA Elandsbaai Scientific buoy deployed.

2006 Series

33(T) RSA Tugela Lighthouse Temporary light and structure.
40(T) RSA Port of Mossel Bay Temporary buoys deployed.
65(T) RSA Port of Richards Bay Pelican Island West Groyne North End light and East Groyne light unlit.
68(T) RSA Hondeklip Bay Temporary light and structure.
69(T) RSA Gordon's Bay Silting in harbour.
82(T) RSA Port of Richards Bay LM2 front light unlit.
121(T) RSA East London Redeployment of Oceanographic Environmental Moorings.

2007 Series

27(T) Namibia Boat Bay Floating rope sighted.
31(T) RSA St Helena Bay R/V Africana deployed sub-sea buoy.
43(T) RSA Gordon's Bay Orange and blue mooring buoys deployed.
106(T) RSA Port of Richards Bay Leading mark unlit.

2008 Series

27(T)/08 Namibia Walvis Bay Research equipment deployed.
87(T)/08 RSA Port of Cape Town Buoys relocated.
102(T)/08 Namibia Swakopmund Unlit buoys deployed.
105(T)/08 RSA Simon's Bay Trials.
113(T)/08 RSA Elands Bay Buoy deployed.

2009 Series

27(T)/09 RSA Ben Schoeman Dock Light temporarily replaced.
28(T)/09 RSA Simon's Bay Buoys laid.
62(T)/09 RSA False Bay Buoy off station.
63(T)/09 RSA False Bay Extended foul area.
64(T)/09 RSA Port of Mossel Bay Submerged wreck.
65(T)/09 RSA SE of Mossel Bay Current meter deployed.
67(T)/09 RSA Richards Bay Buoy removed.

I cont/...

PRELIMINARY NOTICES

2007 Series

88(P)/07 Charts SAN 1030 (INT 7561), 1031 (INT 7562)
90(P)/07 Charts SAN 1030 (INT 7561), 1031 (INT 7562)
35(P)/09 Charts SAN 1030 (INT 7561), 1031 (INT 7562), SC 12
48(P)/09 Charts SAN 135, 1030 (INT 7561), 1031 (INT 7562), SC 12

2008 Series

108(P) RSA Port of Ngqura Buoys placed.

2009 Series

Nil.

II

ERRATUM

NTM 66/09 Page 5 June 2009 Notices to Mariners

Amend: Listing of chart affected

to read:

SAN 87 (INT 7570) – [Previous Update - 116/08] WGS 84 DATUM

SAN 132 – [Previous Update - 68/09] WGS 84 DATUM

SAN 133 – [Previous Update - 116/08] WGS 84 DATUM

SAN SC 12 – [Previous Update - 35/08] CLARKE 1880 DATUM

SA NAVY SAN CHARTS OF SOUTH AFRICA AND NAMIBIA THAT ARE REFERRED TO THE WGS 84 SPHEROID

76 (INT 2640)	79 (INT 2670)	84 (INT 7540)	87 (INT 7570)			
90 (INT 2051)	1001 (INT 2611)	1002 (INT 2631)	1012 (INT 2672)			
1013 (INT 2681)	1020 (INT 7521)	1024 (INT 7531)	1025 (INT 7532)			
1027 (INT 7541)	1030 (INT 7561)	1031 (INT 7562)	1032 (INT 7572)			
1033 (INT 7571)	2004 (INT 9056)					
113	114	115	122	125	126	127
132	133	134	1003	1015	1016	1017
1026	2051	SC3	SC5			

II cont/...

MISCELLANEOUS

1. Mariners are advised that the primary and most reliable means of communication with HYDROSAN for all messages is via Telex : 95 527946 (ANS BACK : NAVY SA) or alternatively via Facsimile number : +27 21 787 2228.
2. Current and archived South African Notices to Mariners are available in PDF format on the internet at Website: <http://www.sanho.co.za>

GENERAL: SA NAVY HYDROGRAPHIC OFFICE CONTACT DETAILS

1. Mariners and interested parties are advised to take note of the SA Navy Hydrographic Office contact details as amended. This will assist in future to prevent late action being taken on important navigational information due to this office being contacted over weekends, public holidays and after hours.
2. The relevant contact details can be found on the front page of the monthly Notices to Mariners, as well as on our website www.sanho.co.za.

MERCHANT VESSEL VOLUNTARY REPORTING SCHEME

1. Mariners and interested parties are advised to take note of the **NAVAREA IX Message** regarding the Merchant Vessel Voluntary Reporting Scheme. More detail is provided on page 18 of this Notice to Mariners.

74* SOUTH AFRICA – South West Coast, Table Bay - Depths

Source: Hydrographer

SAN 1014 (INT 2682) – [Previous Update - 92/08] CLARKE 1880 DATUM

- | | | | |
|------------------------------------|-------------|-----------------|---------------|
| 1. Insert: depth 0,8 | in position | a. 33° 54'.42 S | 018° 28'.25 E |
| depth 29 enclosed by 30m contour | in position | b. 33° 51'.94 S | 018° 23'.59 E |
| depth 14,9 enclosed by 15m contour | in position | c. 33° 52'.88 S | 018° 26'.46 E |
| 2. Delete: depth 2,4 close SE of | | a. above | |
| depth 18,9 close to | | c. above | |


(SAN 1014)

II cont/...

75* SOUTH AFRICA – South West Coast, Simon's Bay - Pilot Boarding Place

Source: Hydrographer

SAN 1016 – [Previous Update - 40/09] WGS 84 DATUM





1. Insert:  1 nautical mile due north of Roman Rocks light
in approximate position 34° 10'.9 S 018° 27'.7 E



(SAN 1016)

76* SOUTH AFRICA – South West Coast, Simon's Bay - Leading lights

Source: Naval Harbour Master

SAN 1017 – [Previous Update - 72/09] WGS 84 DATUM

1. Amend:  Iso.Or.2s3M  in approximate position 34° 11'26".7 S 018° 25'38".7 E
to read:  Iso.2s3M 

2. Amend:  Iso.Or.2s in approximate position 34° 11'28".9 S 018° 26'30".5 E
to read:  Iso.2s

(SAN 1017)

77* SOUTH AFRICA – East Coast - Reported depth

Source: SAS PROTEA

SAN 27 (INT 204) – [Previous Update - Nil] CLARKE 1880 DATUM

1. Delete:  in position 29° 29'.0 S 031° 57'.0 E

(SAN 27)

II cont/...

78* SOUTH AFRICA – East Coast - Current meters

Source: Marine and Coastal Management (Previously issued as CNW 309 of 2009).

SAN 83 (INT 7530) – [Previous Update - 41/09] CLARKE 1880 DATUM

1. Insert:	o Current Meter	in position	33° 42'.19 S	027° 17'.85 E
------------	-----------------	-------------	--------------	---------------

SAN 87 (INT 7570) – [Previous Update - 66/09] WGS 84 DATUM

2. Insert:	o CurrentMeters	in positions	a. 29° 13'.76 S	031° 35'.65 E
			b. 28° 57'.25 S	032° 07'.97 E
	o CurrentMeter		c. 29° 01'.02 S	032° 15'.75 E

SAN 127 – [Previous Update - Nil] WGS 84 DATUM

3. Insert:	o CurrentMeter	in position	33° 42'.19 S	027° 17'.85 E
------------	----------------	-------------	--------------	---------------

SAN 128 – [Previous Update - 71/08] CLARKE 1880 DATUM

4. Insert:	o CurrentMeter	in positions	a. 33° 09'.08 S	028° 05'.22 E
			b. 32° 30'.37 S	028° 49'.87 E

SAN 129 – [Previous Update - 87/02] CLARKE 1880 DATUM

4. Insert:	o CurrentMeter	in position	32° 30'.37 S	028° 49'.87 E
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SAN 131 – [Previous Update - 133/07] CLARKE 1880 DATUM

5. Insert:	o CurrentMeter	in position	29° 56'.58 S	031° 16'.25 E
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SAN 132 – [Previous Update - 68/09] WGS 84 DATUM

6. Insert:	o CurrentMeters	in positions	a. 29° 13'.76 S	031° 35'.65 E
			b. 28° 57'.25 S	032° 07'.97 E
	o CurrentMeter		c. 29° 01'.02 S	032° 15'.75 E

II NTM 78 cont/...

SAN 133 – [Previous Update - 68/09] WGS 84 DATUM

- | | | | |
|------------|--|--------------|--|
| 7. Insert: | <ul style="list-style-type: none"> ⊙ <i>Current Meter</i> ⊙ CurrentMeters | in positions | <ul style="list-style-type: none"> a. 29° 01'.02 S 032° 15'.75 E b. 28° 57'.25 S 032° 07'.97 E |
|------------|--|--------------|--|

SAN 135 – [Previous Update - 119/07] CLARKE 1880 DATUM

- | | | | |
|------------|---|--------------|--|
| 8. Insert: | <ul style="list-style-type: none"> ⊙ <i>CurrentMeter</i> | in positions | <ul style="list-style-type: none"> a. 29° 59'.86 S 031° 29'.88 E b. 29° 56'.58 S 031° 16'.25 E c. 29° 54'.28 S 031° 04'.29 E |
|------------|---|--------------|--|

SAN 1030 (INT 7561) – [Previous Update - 72/09] WGS 84 DATUM

- | | | | |
|------------|---|-------------|---|
| 9. Insert: | <ul style="list-style-type: none"> ⊙ <i>CurrentMeter</i> | in position | <ul style="list-style-type: none"> 29° 54'.28 S 031° 04'.29 E |
|------------|---|-------------|---|

SAN 1032 (INT 7572) – [Previous Update - 93/07] WGS 84 DATUM

- | | | | |
|-------------|--|-------------|---|
| 10. Insert: | <ul style="list-style-type: none"> ⊙ <i>CurrentMeters</i> | in position | <ul style="list-style-type: none"> 28° 57'.25 S 032° 07'.97 E |
|-------------|--|-------------|---|

SAN SC 12 – [Previous Update - 35/08] CLARKE 1880 DATUM

- | | | | |
|-------------|---|--------------|--|
| 11. Insert: | <ul style="list-style-type: none"> ⊙ <i>CurrentMeter</i> ⊙ <i>CurrentMeters</i> | in positions | <ul style="list-style-type: none"> a. 29° 59'.86 S 031° 29'.88 E b. 29° 56'.58 S 031° 16'.25 E c. 29° 54'.28 S 031° 04'.29 E d. 29° 01'.02 S 032° 15'.75 E e. 29° 13'.76 S 031° 35'.65 E f. 28° 57'.25 S 032° 07'.97 |
|-------------|---|--------------|--|

(SAN 83, 87, 127, 128, 129, 131, 132, 133, 135, 1030, 1032, SC 12)

II cont/...

79* SOUTH AFRICA – East Coast - Submarine cable, Note

Source: Hydrographer, Tyco Telecommunications and SEACOM Ltd.

SAN 1 – [Previous Update - 73/09] CLARKE 1880 DATUM

1. Insert: ~~~~~ joining the following positions:

a. 28° 57'.6 S	031° 45'.5 E	b. 29° 16'.4 S	031° 58'.9 E	c. 29° 24'.5 S	032° 21'.2 E
d. 29° 19'.6 S	032° 37'.0 E	e. 28° 56'.6 S	033° 09'.9 E	f. 26° 51'.9 S	034° 43'.2 E
g. 25° 20'.6 S	037° 49'.5 E	h. 22° 52'.2 S	042° 03'.8 E	i. 20° 44'.7 S	042° 14'.4 E
j. 19° 45'.3 S	042° 32'.2 E	k. 18° 48'.4 S	042° 31'.7 E	l. 17° 06'.2 S	042° 13'.7 E
m. 13° 54'.2 S	042° 16'.3 E	n. 11° 34'.5 S	041° 21'.4 E	o. 10° 44'.0 S	041° 22'.7 E
p. 09° 48'.6 S	041° 04'.8 E	q. 08° 01'.5 S	040° 57'.9 E	r. 06° 32'.7 S	040° 17'.1 E
s. 04° 26'.7 S	041° 07'.3 E	t. 04° 00'.0 S	042° 45'.9 E		

As well as:

a. 25° 56'.1 S	032° 37'.8 E	b. 25° 49'.9 S	032° 56'.4 E	c. 26° 02'.3 S	033° 26'.6 E
d. 26° 51'.9 S	034° 43'.2 E				

As well as:

a. 06° 39'.4 S	039° 12'.8 E	b. 06° 32'.7 S	040° 17'.1 E
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As well as:

a. 04° 03'.8 S	039° 40'.8 E	b. 04° 17'.5 S	039° 49'.3 E	c. 04° 26'.7 S	041° 07'.3 E
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SAN 3 – [Previous Update - 73/09] CLARKE 1880 DATUM

1. Insert: ~~~~~ joining the following positions:

a. 28° 57'.6 S	031° 45'.5 E	b. 29° 16'.4 S	031° 58'.9 E	c. 29° 24'.5 S	032° 21'.2 E
d. 29° 19'.6 S	032° 37'.0 E	e. 28° 56'.6 S	033° 09'.9 E	f. 26° 51'.9 S	034° 43'.2 E
g. 25° 20'.6 S	037° 49'.5 E	h. 23° 28'.0 S	040° 53'.6 E	i. 22° 52'.2 S	042° 03'.8 E
j. 20° 44'.7 S	042° 14'.4 E	k. 19° 45'.3 S	042° 32'.2 E	l. 18° 48'.4 S	042° 31'.7 E
m. 17° 06'.2 S	042° 13'.7 E	n. 15° 35'.5 S	042° 15'.8 E	o. 15° 00'.0 S	042° 19'.3 E

As well as:

a. 25° 56'.1 S	032° 37'.8 E	b. 25° 49'.9 S	032° 56'.4 E	c. 26° 02'.3 S	033° 26'.6 E
d. 26° 51'.9 S	034° 43'.2 E				

SAN 4 – [Previous Update - 29/09] CLARKE 1880 DATUM

1. Insert: ~~~~~ joining the following positions:

a. 28° 57'.6 S	031° 45'.5 E	b. 29° 16'.4 S	031° 58'.9 E	c. 29° 24'.5 S	032° 21'.2 E
d. 29° 19'.6 S	032° 37'.0 E	e. 29° 04'.3 S	033° 00'.1 E	f. 28° 56'.6 S	033° 09'.9 E
g. 28° 47'.7 S	033° 16'.7 E				

II NTM 79 cont/...

SAN 27 (INT 204) – [Previous Update - 77/09] CLARKE 1880 DATUM

1. Insert: ~~~~~ joining the following positions:
- | | | | | | |
|----------------|--------------|----------------|--------------|----------------|--------------|
| a. 28° 57'.6 S | 031° 45'.5 E | b. 29° 16'.4 S | 031° 58'.9 E | c. 29° 24'.5 S | 032° 21'.2 E |
| d. 29° 19'.6 S | 032° 37'.0 E | e. 28° 56'.6 S | 033° 09'.9 E | f. 27° 24'.2 S | 034° 20'.0 E |
- As well as:
- | | | | | | |
|----------------|--------------|----------------|--------------|----------------|--------------|
| a. 25° 56'.1 S | 032° 37'.8 E | b. 25° 49'.9 S | 032° 56'.4 E | c. 25° 51'.8 S | 033° 05'.8 E |
| d. 26° 02'.3 S | 033° 26'.6 E | e. 26° 39'.7 S | 034° 20'.0 E | | |

SAN 28 (INT 700) – [Previous Update - 30/09] CLARKE 1880 DATUM

1. Insert: ~~~~~ joining the following positions:
- | | | | | | |
|----------------|--------------|----------------|--------------|----------------|--------------|
| a. 28° 57'.6 S | 031° 45'.5 E | b. 29° 16'.4 S | 031° 58'.9 E | c. 29° 24'.5 S | 032° 21'.2 E |
| d. 29° 19'.6 S | 032° 37'.0 E | e. 28° 56'.6 S | 033° 09'.9 E | f. 26° 51'.9 S | 034° 43'.2 E |
| g. 26° 48'.8 S | 034° 54'.7 E | h. 25° 20'.6 S | 037° 49'.5 E | i. 25° 09'.9 S | 038° 03'.9 E |
| j. 23° 29'.0 S | 040° 53'.6 E | k. 22° 52'.2 S | 042° 03'.8 E | l. 20° 44'.7 S | 042° 14'.4 E |
| m. 19° 45'.3 S | 042° 32'.2 E | n. 19° 30'.0 S | 042° 32'.1 E | | |
- As well as:
- | | | | | | |
|----------------|--------------|----------------|--------------|----------------|--------------|
| a. 25° 56'.1 S | 032° 37'.8 E | b. 25° 49'.9 S | 032° 56'.4 E | c. 25° 51'.8 S | 033° 05'.8 E |
| d. 26° 02'.3 S | 033° 26'.6 E | e. 26° 51'.9 S | 034° 43'.2 E | | |

SAN 60 – [Previous Update - 35/08] CLARKE 1880 DATUM

1. Insert: ~~~~~ joining the following positions:
- | | | | | | |
|----------------|--------------|----------------|--------------|----------------|--------------|
| a. 28° 57'.6 S | 031° 45'.5 E | b. 28° 58'.3 S | 031° 46'.5 E | c. 29° 14'.9 S | 031° 56'.9 E |
| d. 29° 18'.3 S | 032° 02'.1 E | e. 29° 23'.1 S | 032° 13'.4 E | f. 29° 24'.4 S | 032° 18'.0 E |
| g. 29° 23'.9 S | 032° 25'.4 E | h. 29° 19'.6 S | 032° 37'.0 E | i. 29° 04'.3 S | 033° 00'.1 E |
| j. 29° 00'.6 S | 033° 05'.4 E | k. 28° 56'.6 S | 033° 09'.9 E | l. 28° 13'.7 S | 033° 42'.7 E |
2. Insert legend: *Submarine Cable (see Note)* in approximate position 28° 50'.0 S 033° 15'.0 E


SAN 61 – [Previous Update - 35/08] CLARKE 1880 DATUM

1. Insert: ~~~~~ joining the following positions:
- | | | | | | |
|----------------|--------------|----------------|--------------|----------------|--------------|
| a. 28° 57'.6 S | 031° 45'.5 E | b. 28° 58'.3 S | 031° 46'.5 E | c. 29° 14'.9 S | 031° 56'.9 E |
| d. 29° 18'.3 S | 032° 02'.1 E | e. 29° 23'.1 S | 032° 13'.4 E | f. 29° 24'.4 S | 032° 18'.0 E |
| g. 29° 23'.9 S | 032° 25'.4 E | h. 29° 19'.6 S | 032° 37'.0 E | i. 29° 04'.3 S | 033° 00'.1 E |
| j. 29° 00'.6 S | 033° 05'.4 E | k. 28° 56'.6 S | 033° 09'.9 E | l. 27° 12'.3 S | 034° 29'.0 E |
| m. 27° 09'.3 S | 034° 33'.7 E | n. 27° 06'.1 S | 034° 33'.6 E | o. 26° 58'.6 S | 034° 39'.2 E |
| p. 26° 51'.9 S | 034° 43'.2 E | q. 26° 49'.9 S | 034° 49'.3 E | r. 26° 43'.3 S | 035° 06'.3 E |
- As well as:
- | | | | | | |
|----------------|--------------|----------------|--------------|----------------|--------------|
| a. 25° 56'.1 S | 032° 37'.8 E | b. 25° 56'.2 S | 032° 38'.6 E | c. 25° 54'.4 S | 032° 41'.7 E |
| d. 25° 54'.4 S | 032° 45'.2 E | e. 25° 53'.8 S | 032° 47'.7 E | f. 25° 49'.9 S | 032° 56'.4 E |
| g. 25° 51'.8 S | 033° 05'.8 E | h. 25° 55'.9 S | 033° 15'.3 E | i. 26° 02'.3 S | 033° 26'.6 E |
| j. 26° 18'.8 S | 033° 51'.2 E | k. 26° 32'.6 S | 034° 09'.9 E | l. 26° 43'.0 S | 034° 25'.2 E |
| m. 26° 50'.6 S | 034° 34'.4 E | n. 26° 52'.0 S | 034° 38'.6 E | o. 26° 51'.9 S | 034° 43'.2 E |

II NTM 79 cont/...

2. Insert legend: *Submarine Cable (see Note)* in approximate positions
- | | | |
|----|-------------|--------------|
| a. | 26° 10'.0 S | 033° 35'.7 E |
| b. | 27° 30'.0 S | 034° 15'.0 E |
| c. | 29° 15'.0 S | 032° 45'.0 E |

SAN 87 (INT 7570) – [Previous Update - 78/09] WGS 84 DATUM


1. Insert:  joining the following positions:
- | | | | | | | | | |
|----|-------------|--------------|----|-------------|--------------|----|-------------|--------------|
| a. | 28° 57'.6 S | 031° 45'.5 E | b. | 28° 58'.3 S | 031° 46'.5 E | c. | 29° 02'.4 S | 031° 48'.9 E |
| d. | 29° 12'.5 S | 031° 55'.7 E | e. | 29° 13'.2 S | 031° 55'.8 E | f. | 29° 14'.9 S | 031° 56'.9 E |
| g. | 29° 16'.4 S | 031° 58'.9 E | h. | 29° 18'.3 S | 032° 02'.1 E | i. | 29° 18'.6 S | 032° 03'.6 E |
| j. | 29° 22'.5 S | 032° 12'.2 E | | | | | | |

As well as:

- | | | | | | | | | |
|----|-------------|--------------|----|-------------|--------------|----|-------------|--------------|
| a. | 29° 22'.5 S | 032° 29'.1 E | b. | 29° 19'.6 S | 032° 37'.0 E | c. | 29° 04'.3 S | 033° 00'.1 E |
| d. | 29° 00'.6 S | 033° 05'.4 E | e. | 28° 56'.6 S | 033° 09'.9 E | f. | 28° 39'.2 S | 033° 23'.3 E |

2. Insert legend: *Submarine Cable (see Note)* in approximate positions
- | | | |
|----|-------------|--------------|
| a. | 29° 06'.0 S | 031° 52'.0 E |
| b. | 29° 15'.0 S | 032° 43'.0 E |

SAN 132 – [Previous Update - 78/09] WGS 84 DATUM

1. Insert:  joining the following positions:
- | | | | | | | | | |
|----|--------------|---------------|----|--------------|---------------|----|--------------|---------------|
| a. | 28° 57'.58 S | 031° 45'.52 E | b. | 28° 58'.28 S | 031° 46'.53 E | c. | 28° 59'.54 S | 031° 47'.10 E |
| d. | 29° 00'.40 S | 031° 47'.87 E | e. | 29° 00'.79 S | 031° 47'.87 E | f. | 29° 01'.39 S | 031° 48'.32 E |
| g. | 29° 02'.43 S | 031° 48'.87 E | h. | 29° 04'.70 S | 031° 50'.55 E | i. | 29° 12'.46 S | 031° 55'.65 E |
| j. | 29° 13'.24 S | 031° 55'.83 E | k. | 29° 14'.87 S | 031° 56'.94 E | l. | 29° 16'.38 S | 031° 58'.94 E |
| m. | 29° 17'.13 S | 032° 00'.35 E | n. | 29° 18'.29 S | 032° 02'.12 E | o. | 29° 18'.64 S | 032° 03'.63 E |
| p. | 29° 19'.76 S | 032° 05'.92 E | q. | 29° 20'.28 S | 032° 07'.57 E | r. | 29° 23'.05 S | 032° 13'.35 E |
| s. | 29° 23'.84 S | 032° 15'.57 E | t. | 29° 24'.36 S | 032° 18'.03 E | u. | 29° 24'.49 S | 032° 21'.20 E |
| v. | 29° 23'.86 S | 032° 25'.39 E | w. | 29° 19'.59 S | 032° 36'.98 E | x. | 29° 19'.38 S | 032° 37'.28 E |

2. Insert legend: *Submarine Cable (see Note)* in approximate positions
- | | | |
|----|-------------|--------------|
| a. | 29° 05'.5 S | 031° 51'.0 E |
| b. | 29° 23'.0 S | 032° 28'.0 E |

SAN 133 – [Previous Update - 78/09] WGS 84 DATUM

1. Insert:  joining the following positions:

- | | | | | | |
|----|--------------|---------------|----|--------------|---------------|
| a. | 29° 09'.03 S | 031° 53'.32 E | b. | 29° 11'.00 S | 031° 54'.63 E |
|----|--------------|---------------|----|--------------|---------------|

As well as:

- | | | | | | |
|----|--------------|---------------|----|--------------|---------------|
| a. | 29° 08'.32 S | 032° 54'.00 E | b. | 29° 11'.00 S | 032° 49'.95 E |
|----|--------------|---------------|----|--------------|---------------|

2. Insert legend: *Submarine Cable (see Note)* in approximate position
- | | |
|-------------|--------------|
| 29° 09'.5 S | 032° 52'.0 E |
|-------------|--------------|

3. Insert: Accompanying block correction in approximate position
- | | |
|-------------|--------------|
| 28° 11'.5 S | 032° 03'.0 E |
|-------------|--------------|

II NTM 79 cont/...

SAN SC 12 – [Previous Update - 78/09] CLARKE 1880 DATUM

1. Insert: ~~~~~ joining the following positions:

a. 28° 57'.6 S	031° 45'.5 E	b. 28° 58'.3 S	031° 46'.5 E	c. 28° 59'.5 S	031° 47'.1 E
d. 29° 00'.4 S	031° 47'.9 E	e. 29° 01'.4 S	031° 48'.3 E	f. 29° 02'.4 S	031° 48'.9 E
g. 29° 12'.5 S	031° 55'.7 E	h. 29° 13'.2 S	031° 55'.8 E	i. 29° 14'.9 S	031° 56'.9 E
j. 29° 16'.4 S	031° 58'.9 E	k. 29° 18'.3 S	032° 02'.1 E	l. 29° 18'.6 S	032° 03'.6 E
m. 29° 19'.8 S	032° 05'.9 E	n. 29° 20'.3 S	032° 07'.6 E	o. 29° 23'.0 S	032° 13'.1 E

2. Insert legend: *Submarine Cable (see Note)* in approximate position 29° 05'.0 S 031° 51'.0 E

(SAN 1, 3, 4, 27, 28, 60, 61, 87, 132, 133, SC 12)

IIA

LIST OF TEMPORARY AND PRELIMINARY NOTICES TO MARINERS ISSUED BY THE ANGOLAN MINISTRY OF TRANSPORT IN FORCE

Important Notice : Mariners are advised that positions for Angolan Notices are referred to the WGS 84 Spheroid. Caution is therefore advised when plotting positions on large scale British Admiralty charts that are not based on the same spheroid.

Nil prior to these Notices.

2007 Series

Nil.

2008 Series

Nil.

IIB

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

Important Notice : Mariners are advised that positions for Mozambique Notices are referred to the WGS 84 Spheroid. Caution is therefore advised when plotting positions on large scale British Admiralty charts that are not based on the same spheroid.

Nil prior to these Notices.

2006 Series

MOZ 11/06(T)	Port of Inhambane	Buoy A out of position.
MOZ 12/06(T)	Port of Inhambane	Buoy 9 out of position.

2007 Series

Nil.

2008 Series

MOZ 17/08(T)	Port of Mocimboa da Praia	Buoy out of position.
MOZ 19/08(T)	Port of Beira	Buoy unlit.

2009 Series

MOZ 03/09	Port of Beira	Buoys repositioned.
MOZ 04/09	Port of Quelimane	Buoy unlit.
MOZ 07/09	Port of Quelimane	Buoy out of position.
MOZ 08/09	Port of Quelimane	Buoy out of position.

MOZ 04/09(T) MOZAMBIQUE, Port of Quelimane - Buoy unlit

Source : INAHINA

MOZ 485 and BA 2935, 650

1. Buoy P unlit in approximate position 18° 05'.26 S 037° 00'.88 E

MOZ 07/09(T) MOZAMBIQUE, Port of Quelimane - Buoy out of position

Source : INAHINA

MOZ 485 and BA 2935, 650

1. Buoy No 5 out of approximate position 18° 00'.80 S 036° 58'.07 E

MOZ 08/09(T) MOZAMBIQUE, Port of Quelimane - Buoy out of position

Source : INAHINA

MOZ 485 and BA 2935, 650

1. Buoy No 1 out of position.

HC

LIST OF TEMPORARY AND PRELIMINARY NOTICES TO MARINERS ISSUED FOR MADAGASCAR IN FORCE

Important Notice : Mariners are advised that positions for Madagascar Notices are referred to the WGS 84 Spheroid. Caution is therefore advised when plotting positions on large scale British Admiralty charts that are not based on the same spheroid.

Nil prior to these Notices.

2008 Series

Nil.

III

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

80/09 NEW EDITION

SAN 1024 (INT 7531) APPROACHES TO PORT ELIZABETH

Publication Date : 28 August 2009
Scale : 1: 50 000
Limits : Latitudes : 33° 42' 12"S - 34° 07' 36"S Longitudes : 025° 35' 00"E - 025° 56' 24"E
Projection : Mercator
Spheroid : WGS 84

1. This chart is published in the WGS 84 spheroid and has undergone substantial changes and the implementation of a new VTS system in Algoa Bay. The chart is now available from official Chart Agents. The chart with the same number is now cancelled.

81/09 NEW CHART

SAN 1026 NGQURA HARBOUR

Publication Date : 28 August 2009
Scale : 1: 10 000
Limits : Latitudes : 33° 47' 00"S - 33° 52' 00"S Longitudes : 025° 39' 00"E - 025° 43' 18"E
Projection : Mercator
Spheroid : WGS 84

1. This new chart has been published in the WGS 84 spheroid subsequent to the development of the new deepwater commercial Port of Ngqura. The chart is now available from the official Chart Agents.

82/09 NEW EDITION

SAN 1031 (INT 7562) DURBAN HARBOUR

Publication Date : 28 August 2009
Scale : 1: 10 000
Limits : Latitudes : 29° 50' 50"S - 29° 54' 16"S Longitudes : 030° 59' 28"E - 031° 05' 26"E
Projection : Mercator
Spheroid : WGS 84

1. The limited new edition is published subsequent to the complexity with the port entrance channel widening project. This project is due for completion during the early part of 2010 at which a new edition will be released. The chart with the same number is now cancelled. It will only be available on a PoD basis from the Hydrographic Office, SA Navy.

Preliminary Notices 90(P)/07, 35(P)/09 and 48(P)/09 are cancelled for New Edition chart SAN 10131 (INT 7562), but remains in force for other effected charts until further notice.

IV

CORRECTION TO SAN HO PUBLICATIONS

Nil.

V

CORRECTION TO SA LIST OF LIGHTS AND RADIO SIGNALS - SAN HO-1 2008 Edition

83/09 LIGHTS AND FOG SIGNALS

Page 17, 18

Harbour Entrance Leading Lights 142 30'

1. Z5890 (D6147)

Amend: Column 4

to read: Iso.W.2s

2. Z5890.1 (D6147.1)

Amend: Column 4

to read: Iso.R.2s

Harbour Approach Leading Lights 210°

3. Z5915 (D6154)

Amend: Column 4

to read: Iso.W.2s

4. Z5915.1 (D6154.1)

Amend: Column 4

to read: Iso.R.2s

VI

NAVAREA VII and Coastal Navigational Warnings Bulletin in force as at 03 September 2009

See Annual NM 3/2007. Broadcast Warnings are available at Port Offices and remain valid until cancelled or until superseded by this and/or other broadcast bulletins. These are also available in digital format on our website. The website version is only updated during normal working hours.

NAVAREA VII MESSAGES

Nil Prior to these Messages

2009 Series

125	South Atlantic Ocean - NE Sector	New buoy established.
126	South Atlantic Ocean - NE Sector	Pilot boarding position.
128	South Atlantic Ocean - NE Sector	Diverse soil testing.
131	Indian Ocean - Port of Quelimane	Buoy unlit.
147	Indian Ocean - Port of Quelimane	Buoy out of position.
152	South Atlantic Ocean - NE Sector	Survey operations.
156	Indian Ocean - SW Sector	Buoys deployed.
157	Indian Ocean - Port of Quelimane	Buoy out of position.
158	Messages in Force.	
159	Riglist.	

COASTAL NAVWARNING MESSAGES

Nil Prior to these Messages

2009 Series

270	Namibia	Lüderitz	Survey operations.
284	RSA	Mossel Bay	SBM unlit.
309	RSA	Fish River to Richards Bay	Current meters deployed.
326	RSA	Port Nolloth	Peace in Africa anchor spread.
327	RSA	Port of Cape Town	Dredging operations.
362	RSA	Port Alfred	Unlit light out of commission.
375	RSA	Port of Durban	Works in progress.
387	RSA	Durban	Diving operations.
388	RSA	Port of Durban	Buoy in new position.
389	RSA	Port of Durban	Racon out of commission.
393	RSA	Port of Ngqura	New light established.
428	RSA	Umhlanga Rocks	Light unlit.
439	RSA	Port of Ngqura	New light established.
440	RSA	Port of Ngqura	New lights established.
447	RSA	Port of Durban	Fairway buoy unlit.
455	RSA	Port of Richards Bay	Wave rider buoy unlit.
456	RSA	Port of Richards Bay	Buoy out of position.
471	RSA	Simon's Bay	Survey operations.
472	RSA	Cape Point	Gear left.
480	RSA	False Bay	Gunnery exercise.
485	Namibia	Walvis Bay	Sampling operations.
486	RSA	Mossel Bay	Towing operations.
487	RSA	Bird Island	Fishing net adrift.

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.

VI
ANNEX A/cont...

USA Government Special Warning in force 11 March 2005

SPECIAL WARNING NUMBER 122 EAST AFRICA

1. The US Government has received unconfirmed information that terrorists may attempt to mount a maritime attack using speed-boats against a western ship - possibly in East Africa. No additional information is available on the planning, timing or intended targets of the maritime attack. This notice is effective immediately and will remain in effect until further notice.

USA Government Special Warning in force 11 November 2005

SPECIAL WARNING NUMBER 123 EAST AFRICA

1. Due to continuing conditions of armed conflict and lawlessness in Somalia and waters off its coast, mariners are advised to avoid the port of Muqdisho (Mogadishu) and to remain at least 200 nautical miles distant from the Somali coast. The US government does not have an embassy in Somalia and cannot provide services to US citizens.
2. Recent vessel hijackings off the east coast of Somalia demonstrate that pirates are able to conduct at sea hijackings from as far south as Kismaayo (Chisimayu) (00-22S), though vessels are advised to transit no closer than 02-00S, to as far north as Eyl (08-00N), and out to a distance of 170 miles. The first known attempt to hijack a cruise vessel occurred in November 2005. All merchant vessels transiting the coast of Somalia, no matter how far offshore, should increase anti-piracy precautions and maintain a heightened state of vigilance. Pirates are reported to have used previously hijacked ships as bases for further attacks.
3. Another reported pirate tactic has been to issue a false distress call to lure a ship close inshore. Therefore, caution should be taken when responding to distress calls keeping in mind it may be a tactic to lure a vessel into a trap.
4. Victimized vessels have reported two to three (2-3) speedboats measuring six to nine meters (6-9M) in length. Each vessel has a crew of three to six (3-6) armed men with AK-47s and shoulder launched rockets, which are opening fire on vessels in broad daylight in order to intimidate them into stopping.
5. To date, vessels that increase speed and take evasive maneuvers avoid boarding while those that slow down are boarded, taken to the Somali coastline, and released after successful ransom payment, often after protracted negotiations of as much as 11 weeks.

NAVAREA IX 092 OF 2009

1. A Merchant Vessel Voluntary Reporting Scheme has been established to increase security, provide anti-piracy support and to maintain the freedom of navigation to all vessels in the Indian Ocean, Arabian Sea, Persian Gulf, Gulf of Aden and the Red Sea.
2. Merchant vessels operating in these areas are strongly encouraged to liaise with the military authorities below. Any vessel or owner/operator/manager, which chooses not to report may delay any military assistance in the event of an incident and will not receive an updated threat assessment.
3. All vessels should send position reports to both:
 - a. UK Maritime Trade Operation, Dubai
E-mail: ukmtto@eim.ae
Tel: +971 50 552 3215
Fax: +971 4 306 5710
Telex: (51) 210473

NAVAREA IX 092 OF 2009/cont...

b. Maritime Liaison Office, Bahrain (Marlo)
E-mail: marlobahrain@me.navy.mil
Tel: +973 3940 1395

4. In return, vessels will receive passage guidance, recommended routing, as well as the latest threat assessment from MTO, Dubai.

5. All masters are advised to ensure that prior to sailing through or entering the region, that the owners/operators/managers have registered the vessel with the Maritime Security Centre, Horn of Africa (MSCHOA), <http://www.mschoa.eu>.

6. The website offers group transit information in the Gulf of Aden and best management practice for vessel self protection.
Tel: +44 1923 958545.

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.com* 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.

9. **Port information** should be forwarded on Form HO-16a together with Form HO-16. Form HO-16a lists the information required for South African Sailing Directions and should be used as an *aide memoire*. Where there is insufficient space on the form an additional sheet should be used.

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.

HO-16a (March 2004)

**HYDROGRAPHIC NOTE FOR PORT
INFORMATION**

(To accompany Form HO-16)

Name of ship or sender :

Address of sender :

Ref. No.

.....

Date :

.....

1. NAME OF PORT	
2. GENERAL REMARKS Principal activities and trade. Latest population figures and date. Number of ships or tonnage handled per year. Maximum size of vessel handled. Copy of Port Handbook if available.	
3. ANCHORAGES Designation, depths, holding ground, shelter afforded.	
4. PILOTAGE Authority for requests. Embarkation position. Regulations.	
5. DIRECTIONS Entry and berthing information. Tidal Streams. Navigational aids.	
6. TUGS Number available and max. hp.	
7. WHARVES Names, numbers or positions. Lengths. Depths alongside. Heights above Chart Datum. Facilities available.	
8. CARGO HOLDING Containers, lighters, Ro-Ro etc.	
9. CRANES Brief details and max. capacity.	

<p>10. REPAIRS</p> <p>Hull, machinery and underwater. Ship and boat yards. Docking or slipping facilities. Give size of vessels handled or dimensions. Hards or ramps. Divers.</p>	
<p>11. RESCUE AND DISTRESS</p> <p>Salvage, lifeboat, NSRI, etc.</p>	
<p>12. SUPPLIES</p> <p>Fuel with type and quantities available. Fresh water with rate of supply. Provisions.</p>	
<p>13. SERVICES</p> <p>Medical. De-ratting. Consuls. Ship chandlery, compass adjustment, tank cleaning, hull painting.</p>	
<p>14. COMMUNICATIONS</p> <p>Road, rail and air services available. Nearest airport or airfield. Port radio and information service with frequencies and hours of operating.</p>	
<p>15. PORT AUTHORITY</p> <p>Designation, address and telephone number.</p>	
<p>16. SMALL CRAFT FACILITIES</p> <p>Information and facilities for small craft (eg yachts) visiting the port. Yacht Clubs, berths, etc.</p>	
<p>17. VIEWS</p> <p>Photographs (where permitted) of the approaches, leading marks, the entrance to the harbour etc. Picture postcards may also be useful.</p>	

To accompany NTM 80 of 2009

SUBMARINE CABLE

Anchoring and trawling is prohibited 1 nautical mile either side of the submarine cable. See Annual Notice to Mariners Number 23 and South African Sailing Directions Volume I.

SUBMARINE CABLE

Anchoring and trawling is prohibited 1 nautical mile either side of the submarine cable. See Annual Notice to Mariners Number 23 and South African Sailing Directions Volume I.