



SAN HYDROGRAPHIC OFFICE NATIONAL REPORT

to the

**14TH SOUTHERN AFRICA AND ISLANDS
HYDROGRAPHIC COMMISSION CONFERENCE
(SAIHC)**

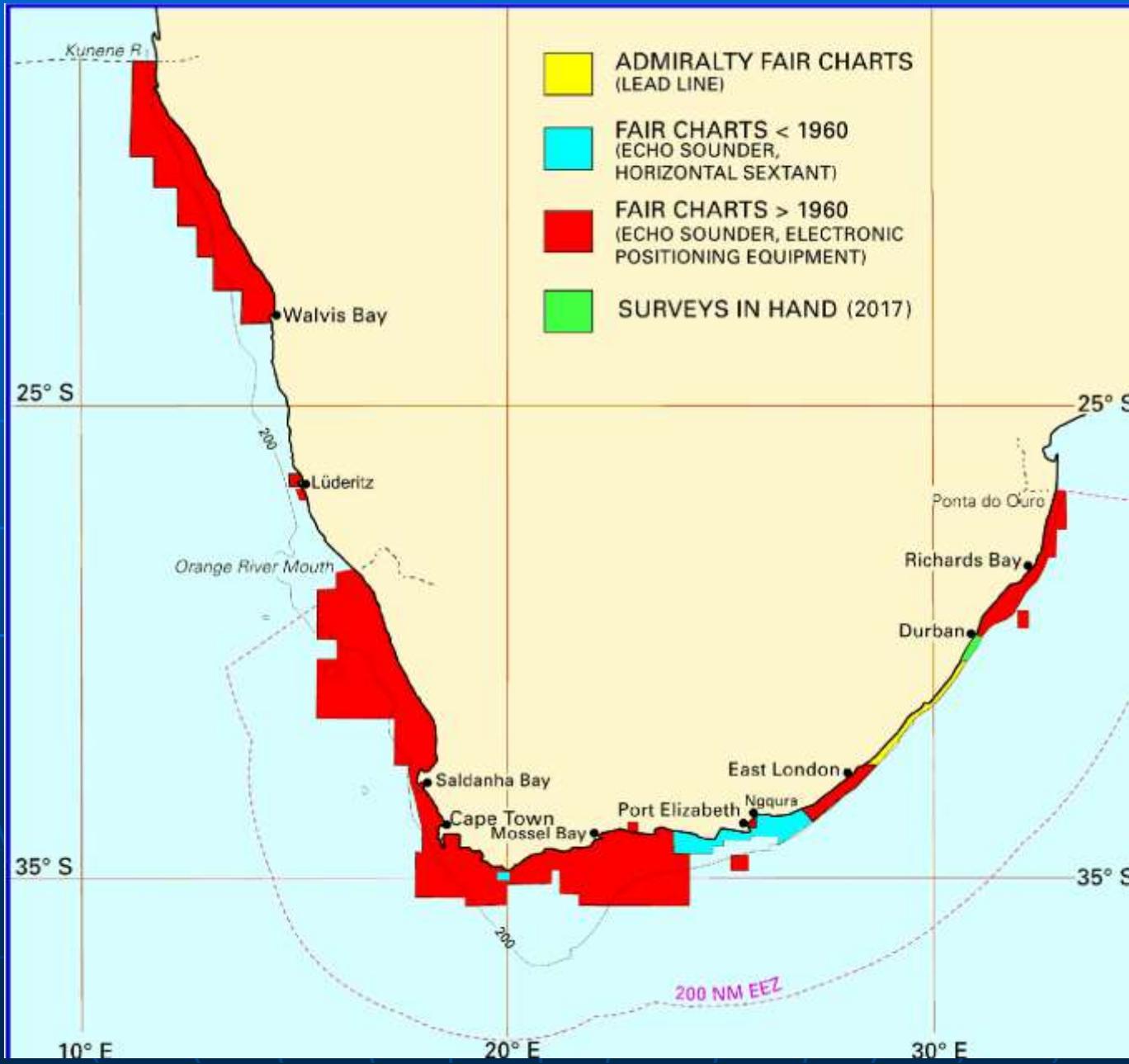
6 - 8 September 2017

Principal functions:

- Conduct **hydrographic surveys**;
- Produce **paper charts and ENCs**;
- Produce **hydrographic publications** - List of Lights and Radio Signals and Sailing Directions;
- Maintain a **tide gauge network** and **provide tidal information**;
- Collect **GEBCO data**;
- Issue monthly **Notices to Mariners**;
- Provide **hydrographic survey training**;
- Provide a **Maritime Safety Information** (MSI) and
- Provide a **Chart Depot and Chart Agent service**.



Hydrographic Surveys



International (INT) Charts

Medium Scale : 1 : 300 000

<i>INT No</i>	<i>SAN No</i>	<i>Title</i>
*2590	71	Kunene River to Sand Table Hill
*2600	72	Sand Table Hill to Cape Cross
*2610	73	Cape Cross to Conception Bay
*2620	74	Conception Bay to Hottentot Point
*2630	75	Hottentot Point to Chamais Bay
*2640	76	Chamais Bay to Port Nolloth
*2650	77	Port Nolloth to Island Point
*2660	78	Island Point to Cape Deseada
*2670	79	Cape Deseada to Table Bay
*2680	80	Table Bay to Cape Agulhas
*7510	81	Cape Agulhas to Cape St Blaize
*7520	82	Cape St Blaize to Cape St Francis
*7530	83	Cape St Francis to Great Fish Point
*7540	84	Great Fish Point to Mbashe Point
*7550	85	Mbashe Point to Port Shepstone
*7560	86	Port Shepstone to Tugela River
*7570	87	Tugela River to Ponta do Ouro
*7580	88	Jesser Point to Boa Paz

(NC in progress)



International (INT) Charts

Small Scale : 1 : 1 000 000

<i>INT No</i>	<i>SAN No</i>	<i>Title</i>	
2051	90	Baia dos Tigres to Walvis Bay	
2052	91	Walvis Bay to Orange River	(NC published in 2016)
2053	92	Orange River to Table Bay	(NC published in 2016)
7050	93	Table Bay to East London	(NC in progress)
7051	94	East London to Richards Bay	(NC in progress)
7052	95	Durban to Inhambane	(NC in progress)



International (INT) Charts

Large Scale : Between 1 : 10 000 – 1 : 50 000

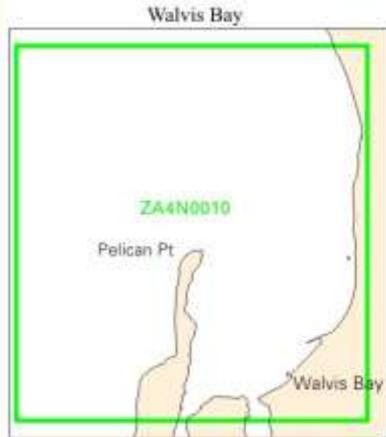
INT No	SAN No	Title	
2611	1001	<i>vacant (previously Walvis Bay Harbour and Approaches)</i>	
*2631	1002	Approaches to Lüderitz	
2612	1004	Walvis Bay Harbour	(planning in progress for NC/NE)
2613	1005	Approaches to Walvis Bay	(planning in progress for NC/NE)
*2671	1010	Approaches to Saldanha Bay	
*2673	1011	Entrance to Saldanha Bay	
*2672	1012	Saldanha Bay Harbour	(NE in progress)
*2681	1013	Approaches to Table Bay	
*2682	1014	Table Bay Harbour	
*7521	1020	Mossel Bay and Approaches	
*7531	1024	Approaches to Port Elizabeth	
*7532	1025	Port Elizabeth and Bird Island Passage	
*7533	1026	Ngqura Harbour	
*7541	1027	East London and Approaches	
*7563	1029	Approaches to Durban – Oil Terminal SMB	
*7561	1030	Approaches to Durban	
*7562	1031	Durban Harbour	
*7572	1032	Approaches to Richards Bay	
*7571	1033	Richards Bay Harbour	
7745	2003	Prince Edward and Marion Islands	



Electronic Navigational Charts (Harbour Usage Band)



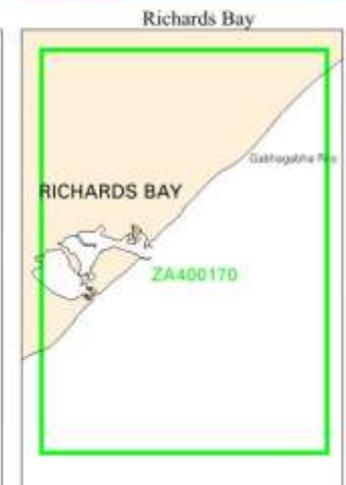
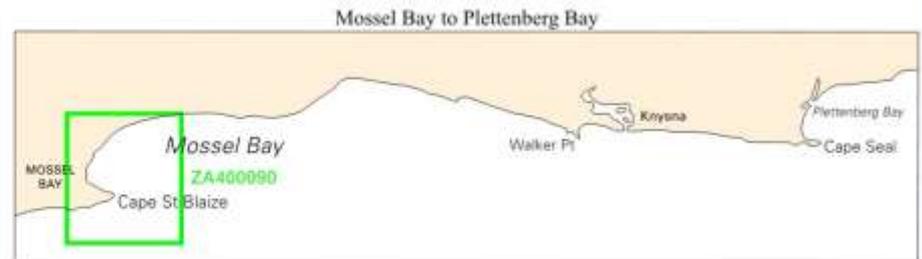
Electronic Navigational Charts (Approaches Usage Band)



Published

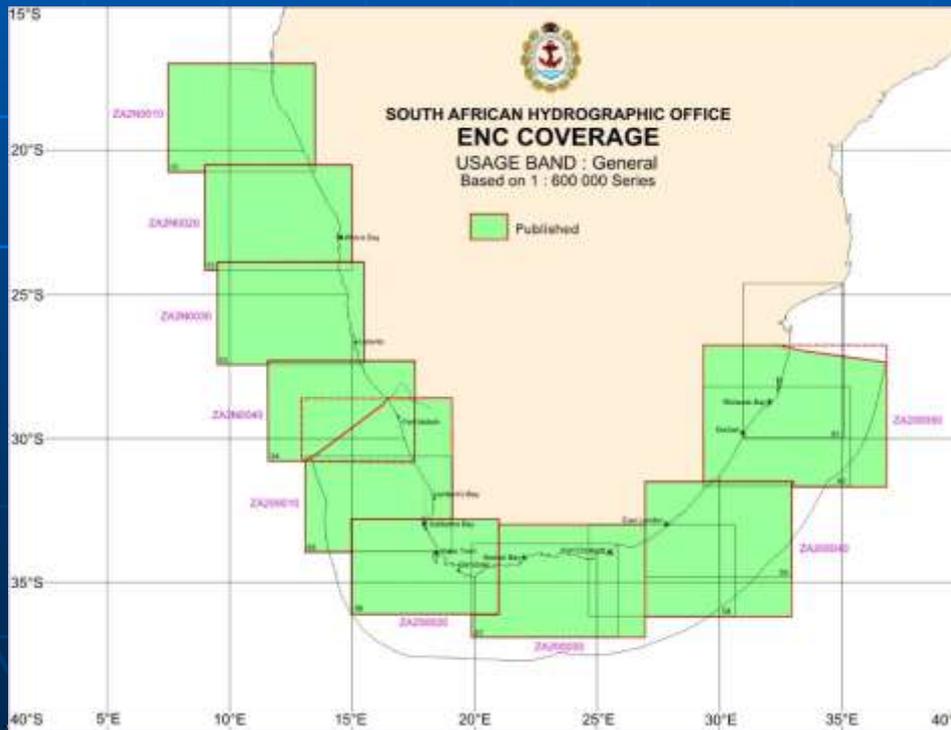


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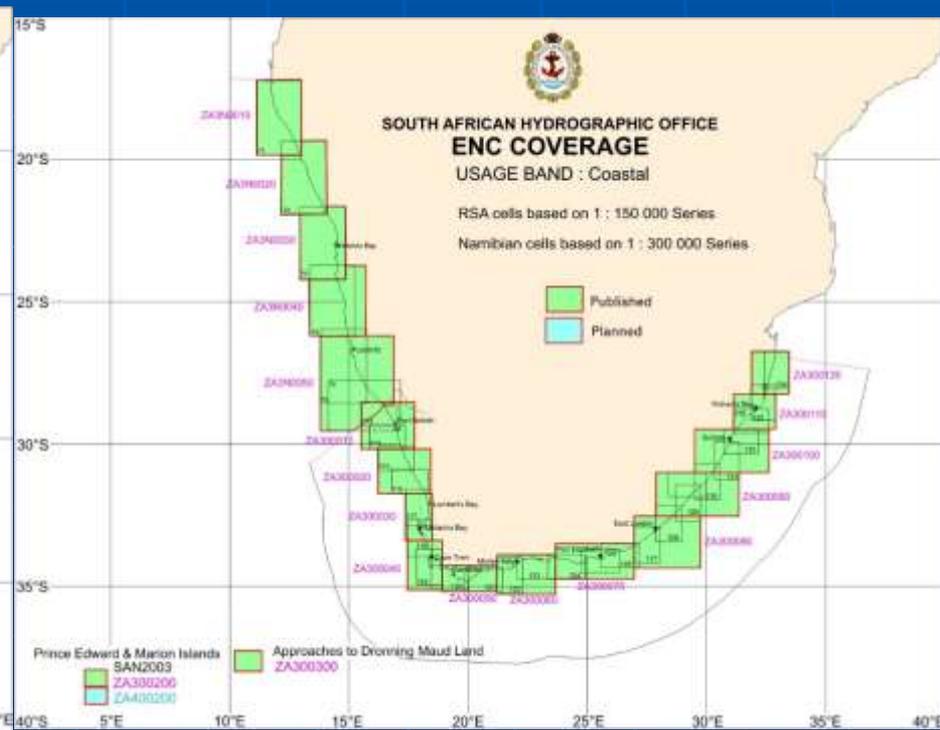


Electronic Navigational Charts

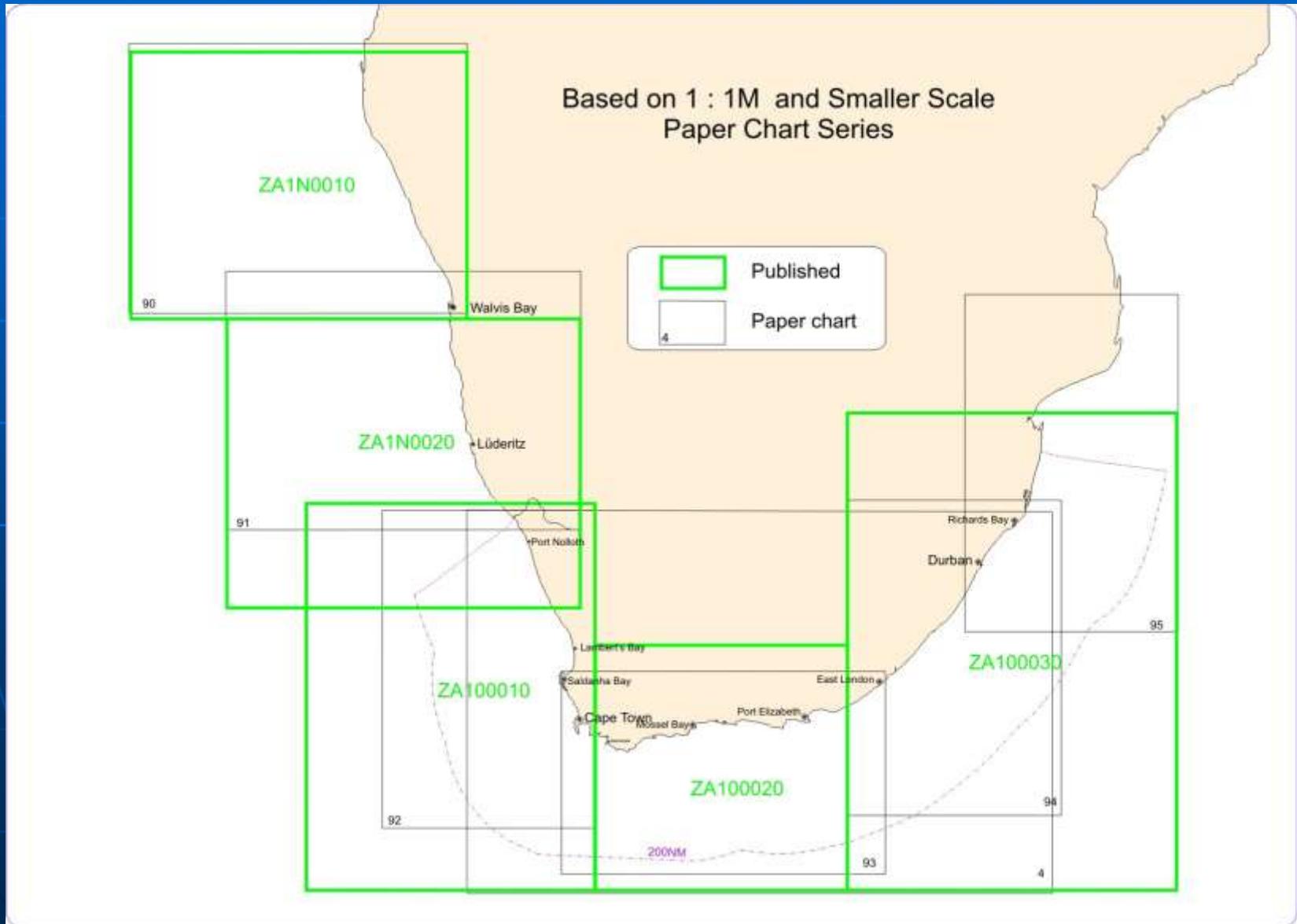
General Usage Band



Coastal Usage Band



Electronic Navigational Charts (Overview Usage Band)



PUBLICATIONS

SANHO Ref No	Title	Edition
SAN HO-1	South African List of Lights and Radio Signals	2011
SAN HO-2	South African Tide Tables	2017 & 2018
SAN HO-3	Catalogue and Indexes of SAN Charts, ENC's and Hydrographic Publications	2011
<u>SAN HO-6</u> <u>(INT 1)</u>	<u>Symbols and Abbreviations used on SA Charts</u>	<u>2017</u>
SAN HO-15	International Regulations for Preventing Collisions at Sea 1972 (COLREGS)	2005
SAN HO-21	SA Sailing Directions Vol I – General Information	2005
SAN HO-22	SA Sailing Directions Vol II – Namibia and West Coast	2014
SAN HO-23	SA Sailing Directions Vol III – South and East Coasts	2014
-	Annual Summary of SA Notices to Mariners	2017
-	Cumulative List of SA Notices to Mariners	2017



CAPACITY BUILDING

Capacity Building/ Hydrographic Surveying Training – Completed and Underway (2017)

<u>Course</u>	<u>Period</u>	<u>Participants</u>
Hydrographic Survey for Officers Part III - presented by SANHO	14 Aug – 04 Nov 2016	South Africa (6) Senegal (1) Zimbabwe (1)
Hydrographic Survey for Ratings Part 2 - presented by SANHO	18 Apr – 15 Jun 2017	South Africa (4)
Hydrographic Survey for Ratings Part I - presented by SANHO	3 Jul – 4 Aug 2017	South Africa (6) Nigeria (2)
Hydrographic Survey for Officers Part 3 - presented by SANHO	14 Aug – 03 Nov 2017	South Africa (5)

CAT B Marine Cartography courses presented by the UKHO in South Africa.

Course	Period	Participants
Module 1. The Foundation & Compilation	2016	South Africa (8)
Module 2. Data Assessment & Chart Maintenance	15 Aug – 4 Nov 2016	South Africa (8)
Module 3. ENC Production	27 Feb – 31 Mar 2017	South Africa (8)

OCEANOGRAPHIC ACTIVITIES

The South African Tide Gauge Network spans from **Walvis Bay on the West Coast to Richards Bay on the East Coast.**

It **includes twelve tidal stations having radar type gauges.**

The **tide gauge network communication method is in the process of being upgraded from land lines to GSM.**

At the request of the IOC, satellite transmitters were installed at three tidal stations, two of which are **Global Sea Level Observing System (GLOSS) stations.**

The Port Elizabeth and Simon's Town gauges is transmitted in real time for use in the **Indian Ocean Tsunami Early Warning System (IOTWS).**



Thank You for your attention

