

NEW ZEALAND NOTICES TO MARINERS

Notices NZ 21 - 23

Published fortnightly by the New Zealand Hydrographic Authority

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New Zealand Notices to Mariners are the authority for correcting New Zealand nautical publications and those charts within New Zealand's area of charting responsibility as shown in [Annual Notice No. 1](#).

Mariners are requested to immediately inform the New Zealand Hydrographic Authority, Toitū Te Whenua Land Information New Zealand, 155 The Terrace, PO Box 5501, Wellington 6145, New Zealand, Phone: 0800 665 463 or +64 (0)4 460 0110, Fax: +64 (0)4 460 0161, email: ntm@linz.govt.nz, of the discovery of new or suspected dangers to navigation, or shortcomings in charts and publications. A copy of a Hydrographic Note, a convenient form on which to send such information, is included at the end of Section VII of the Fortnightly Notices to Mariners.

Changes or defects in aids to navigation should be reported to the Rescue Coordination Centre New Zealand (RCCNZ) via the nearest New Zealand Coastal Maritime Radio Station Phone: +64 (0)4 577 8030, Fax: +64 (0)4 577 8038 or +64 (0)4 577 8041, email: rccnz@maritimenz.govt.nz.

Copies of these Notices can be obtained from Toitū Te Whenua Land Information New Zealand, Maritime New Zealand, Principal Chart Agents at the major ports of New Zealand and the internet: www.linz.govt.nz.

I
EXPLANATORY NOTES

This edition of Notices to Mariners includes all significant information affecting New Zealand nautical charts and publications which the New Zealand Hydrographic Authority (NZHA) has become aware of since the last edition. All reasonable efforts have been made to ensure the accuracy and completeness of the information, including third party information, on which these updates are based. The NZHA regards third parties from which it receives information as reliable, however the NZHA cannot verify all such information and errors may therefore exist. The NZHA does not accept liability for errors in third party information.

Correction of Charts and Publications by the User. New Zealand Notices to Mariners contain important information and should be used to keep the specified charts and publications up to date.

Charts. The notices in Section IV give instructions for the correction of charts.

Geographical positions refer to the largest scale chart unless otherwise stated. They are normally given in degrees, minutes and decimals of a minute, but may occasionally quote seconds for convenience when plotting from the graduation of some older-style charts.

Bearings are true, reckoned clockwise from 000° to 359°; those relating to lights are given as seen by an observer from seaward.

Alterations to depth contours, deletion of depths to make way for new detail, etc. are not mentioned unless they have some navigational significance.

Blocks, notes or tracings accompanying notices in Section IV are placed at the end of this publication.

Permanent Notices. A [Cumulative List](#) of permanent corrections affecting charts is published on the Toitū Te Whenua LINZ website.

Temporary and Preliminary Notices. These are indicated by (T) or (P) respectively after the notice number. Charts are not corrected for them before issue; they should be corrected in pencil on receipt.

An asterisk (*) in a re-issued notice indicates a new or revised entry.

A list of [\(T\) and \(P\) Notices in force](#) is published on the Toitū Te Whenua LINZ website.

New Zealand Publications. Corrections to New Zealand Publications are given in Section V.

Light Lists. The detailed correction to the Light List is given in Section V and may not be published in the same edition as the chart correcting notice. The entire entry for each light is printed, and an asterisk (*) is shown under the column which contains an amendment. In the case of a new light, an asterisk (*) appears under all the columns. New and extensively altered entries are intended to be pasted in. It is recommended that a manuscript entry be made for all shorter corrections.

It is emphasised that the [List of Lights](#) is the authority for lights and that many alterations, especially those of a temporary but operational nature, may be promulgated only as corrections to the List of Lights.

THE USE OF CHARTS AND ASSOCIATED PUBLICATIONS

Reliance on Charts and Associated Publications. While every effort is made to ensure the accuracy of the information on New Zealand charts and other publications, it should be appreciated that it may not always be complete and up to date. The mariner must be the final judge of the reliance to be placed on the information given, bearing in mind their particular circumstances, local pilotage guidance and the judicious use of available navigational aids.

Charts. Charts should be used with prudence: there are areas where the source data are old, incomplete or of poor quality. The mariner should use the largest scale appropriate for his particular purpose; apart from being the most detailed, the larger scales are usually corrected first. When extensive new information (such as a new hydrographic survey) is received, some months may elapse before it can be fully incorporated in published charts. On small scale charts of ocean areas where hydrographic information is, in many cases, still sparse, charted shoals may be in error as regards position, least depth and extent. Undiscovered dangers may exist, particularly away from well-established routes.

Symbols. Details on symbols and abbreviations used on charts are those shown in publication NP5011 (INT 1) Symbols and Abbreviations Used on ADMIRALTY Paper Charts, published by the United Kingdom Hydrographic Office.

Further guidance. The Mariner's Handbook (NP100) gives a fuller explanation of the limitations of charts. All users should study it in their own interest.

MISCELLANEOUS NOTICES

Index of Product Announcements

Chart No.

CK400142	NZ308851
CK400242	NZ308852
CK401411	NZ308853
CK401412	NZ308854
CK401413	NZ400955
CK401414	NZ409451
CK401421	NZ409452
CK401422	NZ409453
CK401423	NZ409454
CK401424	NZ409551
CK401425	NZ409552
CK401426	NZ409553
CK401427	NZ409554
CK500142	NZ409555
CK500242	NZ409556
CK501411	NZ409557
CK600141	NZ409558
CK602421	NZ500955
CK602422	NZ508655
TK300121	NZ509453
TK301211	NZ509558
TK301212	NZ600945
TK301213	NZ609558
WS500312	NZ695581

Publication

Nil

NEW ZEALAND CHARTS. New Electronic Navigation Charts (ENCs) Published, Withdrawn ENCs

Number	Title	Published
CK400142	South Pacific Ocean - Cook Islands - Aitutaki	January 2022
CK400242	South Pacific Ocean - Cook Islands - Rarotonga	January 2022
CK401411	South Pacific Ocean - Cook Islands - Penrhyn	January 2022
CK401412	South Pacific Ocean - Cook Islands - Nassau	January 2022
CK401413	South Pacific Ocean - Cook Islands - Manihiki	January 2022
CK401414	South Pacific Ocean - Cook Islands - Rakahanga	January 2022

(continued)

NEW ZEALAND CHARTS. New Electronic Navigation Charts (ENCs) Published, Withdrawn ENCs continued

Number	Title				Published	
CK401421	South Pacific Ocean	-	Cook Islands	-	Mauke	January 2022
CK401422	South Pacific Ocean	-	Cook Islands	-	Mangaia	January 2022
CK401423	South Pacific Ocean	-	Cook Islands	-	Atiu	January 2022
CK401424	South Pacific Ocean	-	Cook Islands	-	Takutea	January 2022
CK401425	South Pacific Ocean	-	Cook Islands	-	Manuae	January 2022
CK401426	South Pacific Ocean	-	Cook Islands	-	Palmerston	January 2022
CK401427	South Pacific Ocean	-	Cook Islands	-	Mitiaro	January 2022
CK500142	South Pacific Ocean	-	Cook Islands	-	Arutanga Anchorage	January 2022
CK500242	South Pacific Ocean	-	Cook Islands	-	Rarotonga - Approaches to Avatiu and Avarua Harbours	January 2022
CK501411	South Pacific Ocean	-	Cook Islands	-	Penrhyn - Taruia Passage to Gudgeon Bay	January 2022
CK600141	South Pacific Ocean	-	Cook Islands	-	Penrhyn - Taruia Passage	January 2022
CK602421	South Pacific Ocean	-	Cook Islands	-	Rarotonga - Avatiu Harbour	January 2022
CK602422	South Pacific Ocean	-	Cook Islands	-	Rarotonga - Arorangi Reef Passage	January 2022
TK300121	South Pacific Ocean	-	Tokelau			December 2021
TK301211	South Pacific Ocean	-	Tokelau	-	Atafu	December 2021
TK301212	South Pacific Ocean	-	Tokelau	-	Nukunonu	December 2021
TK301213	South Pacific Ocean	-	Tokelau	-	Fakaofa	December 2021
WS500312	South Pacific Ocean	-	Samoa	-	Apia Harbour	December 2021

Use of Electronic Navigational Charts

For compliance with New Zealand legal requirements for nautical charts and publications please refer to *Maritime Rules Part 25*, available from the Maritime New Zealand website: <https://www.maritimenz.govt.nz/rules/part-25/>.

New Zealand Hydrographic Authority
HITS 945/47

ENCs Permanently Withdrawn

Number	On Publication of ENC Cell
NZ308851	TK300121
NZ308852	TK301211
NZ308853	TK301212
NZ308854	TK301213
NZ400955	CK400142
NZ409451	CK401412
NZ409452	CK401413
NZ409453	CK401414
NZ409454	CK401411
NZ409551	CK401421
NZ409552	CK401422
NZ409553	CK401423
NZ409554	CK401424
NZ409555	CK401425
NZ409556	CK401426
NZ409557	CK401427
NZ409558	CK400242
NZ500955	CK500142

(continued)

ENCs Permanently Withdrawn continued

<i>Number</i>	<i>On Publication of ENC Cell</i>
NZ508655	WS500312
NZ509453	CK501411
NZ509558	CK500242
NZ600945	CK600141
NZ609558	CK602421
NZ695581	CK602422

New Zealand Hydrographic Authority
HITS 945/47

GENERAL NOTICES

ENC/ECDIS DATA PRESENTATION AND PERFORMANCE CHECK IN SHIPS

The International Maritime Organization (IMO) has recently indicated its concerns about operating anomalies identified in some ECDIS that fail to display important new chart features.

The International Hydrographic Organization (IHO) has produced an ENC Data Presentation and Performance Check dataset that allows mariners to check their ECDIS. The check dataset is available through ENC service providers and from the IHO website (www.ihodata.int) which includes instructions.

Mariners are strongly recommended to use the dataset and report the results of their checks to help the IHO identify how the different brands of ECDIS display and handle chart information. Mariners are asked to also inform the IMO, national Hydrographic Offices, ECDIS manufacturers and others, so that they can take any corrective action that may be necessary.

In order to present the most comprehensive report possible to the IMO and to further assist in resolving the issues so far identified, the IHO is keen that as many ships as possible forward their results. Reports on the results can be sent via a form provided with the data or the results can be submitted on-line through a web-form.

All relevant documentation can be downloaded free from the IHO website at: www.ihodata.int.

SOUTH PACIFIC OCEAN. MARITIME SAFETY BROADCASTS – OPTIMUM R/T FREQUENCIES WITHIN NAVAREA XIV

Diagrams showing the optimum R/T calling and working frequency bands and times for navigational warnings broadcast within 1000 nautical miles of Taupo Maritime Radio (ZLM) (38° 50'S., 176° 00'E. approx.) are available as follows (use Internet Explorer browser to open):

[Hourly Area Predictions \(HAP\)](#).

[Local Area Mobile Predictions \(LAMP\)](#).

Australian Government IPS Radio and Space Services
HITS -/1

SOUTH PACIFIC OCEAN - NIUE ENTRY RESTRICTIONS

Entry to ALL yachts, cruise ships, and other sea vessels are NOT permitted with an exception to cargo vessels, New Zealand Defence Force vessels, authorized maritime patrol vessels and vessels in emergency and distress.

Government of Niue
HITS -/142

SOUTH PACIFIC OCEAN - KINGDOM OF TONGA - TONGA ENTRY RESTRICTIONS

1. Marine and Ports, Ministry of Infrastructure together with Ministry of Health advises that all vessels entering Tonga will be required to use Tongatapu as the first port of entry for border screening prior to re-routing to outer islands.
2. Maritime Security Committee advises that the security of all ports in Tonga is heightened to Security Level 2, in which additional preventative and protective measures are to be implemented.
3. Be advised that all international cruise ships and yachts scheduled to arrive after 19 March 2020 shall not be granted entry into Tonga until further notice.
4. Foreign vessels wishing to transit Tongan waters requiring immediate assistance must contact Nuku'alofa radio for advice via HF & VHF.

Kingdom of Tonga - Ministry of Infrastructure
HITS 82/1051

NEW ZEALAND - MARITIME BORDER ENTRY RESTRICTIONS

1. The New Zealand Government for the purposes of preventing, and limiting the risk of an outbreak, or the spread, of COVID-19 is (a) restricting which ships may arrive in New Zealand; and (b) putting in place isolation or quarantine requirements for people who arrive in New Zealand by sea.
2. The right of innocent passage through the territorial sea, and transit passage through straits used for international navigation is unaffected.
3. Vessels are not permitted entry to New Zealand unless exempted by the Maritime Border order. A cargo ship that is arriving in New Zealand for the purpose of loading or unloading cargo is an example of one such exemption. New Zealand flagged vessels with New Zealand crews are allowed entry but must adhere to isolation and customs requirements.
4. The current restrictions are detailed in the "COVID-19 Public Health Response (Maritime Border) Order (No2) 2020" which is available at: <http://legislation.govt.nz/regulation/public/2020/0240/latest/LMS403466.html#LMS403543>.
5. These maritime border restrictions remain in force until further notice and may be amended or updated at short notice. It is therefore advisable to access the latest information, which includes advice on when and how to apply for exemptions, on the Ministry of Health's website here: <https://www.health.govt.nz/our-work/diseases-and-conditions/covid-19-novel-coronavirus/covid-19-information-specific-audiences/covid-19-resources-border-sector/covid-19-maritime-sector#exemption>.
6. For those vessels that are permitted entry to New Zealand the New Zealand Government requires an Extended Notice of Arrival (ENA) of intent to travel to New Zealand, a minimum of 168 hours (seven days) prior to arrival. This is an additional requirement to completing the Customs Advance Notice of Arrive (ANA) document 48 hour before arriving. The ENA form is found at: <https://www.customs.govt.nz/globalassets/documents/forms/extended-notice-of-arrival-form.pdf>.
7. The New Zealand Customs Service may notify arriving vessels which first port of arrival is to be used, and may require voyage plans to be adjusted accordingly.
8. Masters and skippers of vessels should note that persons seeking to disembark, (from vessels that are permitted entry), may only do so subject to meeting specific criteria found in the Order.

Maritime New Zealand
HITS -/108/2

NEW ZEALAND - MARITIME SAFETY INFORMATION - NOTICE TO MARINERS (NtMs) SERVICES AND NAVIGATIONAL CHARTS AVAILABILITY- COVID-19 UPDATE

The New Zealand Hydrographic Authority is prioritising safety critical maritime information during COVID-19 Alert Levels. Safety critical information is provided through the normal channels including Radio Warnings, NAVAREA XIV Broadcasts and NtMs.

During COVID-19 Alert Levels, charts will be available through normal channels. Please note some paper chart retailers may not be open for business at this time. Details of Chart Retailers can be found on the Toitū Te Whenua LINZ website <https://www.linz.govt.nz/sea/charts/information-about-charts/search-chart-retailers>

If you have any questions please direct them to hydro@linz.govt.nz

New Zealand Hydrographic Authority
HITS -/140

NEW ZEALAND - NORTH ISLAND - EAST COAST - BAY OF ISLANDS - TE PĒWHAIRANGI (BAY OF ISLANDS) MARINE MAMMAL SANCTUARY

1. Mariners are advised that from 15 December 2021, the Te Pēwhairangi (Bay of Islands) Marine Mammal Sanctuary is established.
2. The sanctuary has three key restrictions for users of the Bay of Islands:
 - a.) No one is allowed in the water within 300m of a marine mammal.
 - b.) No vessel to approach within 300m of marine mammals – if your vessel breaches the 300m rule for a marine mammal you must stop. You must remain stopped until any marine mammals are at least 300m away.
 - c.) You must travel 5 knots or less at all times while within the marine mammal safe zones.
3. Map and coordinate details can be found at <https://www.doc.govt.nz/boi-mms>.
4. Please contact Department of Conservation for full restrictions.
5. Mariners are advised to exercise caution when navigating in the area.
6. Charting action will take place in due course

Charts Affected: NZ 512, NZ 5124, NZ 5125

Department of Conservation
HITS 512/55

NEW ZEALAND - CANTERBURY BIGHT - KAITORETE SPIT SOUTHWARDS. ROCKET LAUNCH AND SPACE DEBRIS

* 1. A hazardous rocket launch operation will be taking place from Kaitorete Spit southwards between 22 and 30 January 2022 (inclusive) within the following zone:

Launch and Space Debris Hazard Area

- a. 43° 49'.80S., 172° 42'.00E.
- b. 44° 30'.00S., 173° 21'.60E.
- c. 45° 00'.00S., 172° 54'.00E.
- d. 45° 00'.00S., 172° 18'.00E.
- e. 44° 28'.80S., 171° 46'.80E.
- f. 43° 50'.91S., 172° 27'.30E.

2. Flight time will be of a single period of approximately 15 mins between 0800-1200 NZDT and will be at a time when the launch and debris hazard area has been checked and is clear of vessels.
3. UC Aerospace Range Control can be contacted during launch operations on Common frequency zone for VHF: 118.75MHz or phone 0273151653.
4. All Mariners are requested not to enter the launch and debris hazard area during the launch periods and to exercise caution when navigating in and around the areas.
5. Cancel this notice when the planned rocket launch operation has ended.

UC Aerospace
HITS 64/43/2

NEW ZEALAND - HAWKE BAY - MĀHIA PENINSULA MARINE AND AIR OPERATIONS

1. Rocket Lab will be conducting periodic helicopter test operations from 10,000ft altitude to surface in the vicinity of Launch Complex 1, Māhia Peninsula, Hawke Bay.

2. Safety Zones will be reserved for the purpose of public safety, and navigation prohibited within the area, in accordance with Hawkes Bay Regional Council Navigation Safety Bylaw 2018 §3.8.

3. Vessels shall remain clear of the area during active test operations:

Active test days (inclusive):

21 - 27 January 2022

Test duration: 2 x 60 minute tests per day.

Test time: Any time between 0800hrs and 1700hrs on nominated days.

4. A safety vessel will be operating in the area and will keep vessels clear of the Safety Zone during active periods.

5. Safety Zone: 4.0 NM Radius centered on 39°17'.00"S., 178°00'.00E.

6. Temporary virtual Automatic Identification System (AIS) aids to navigation (AtoNs) shall be used to clearly identify the perimeter of the relevant Safety Area during active periods.

7. Vessels in the vicinity of the Māhia Peninsula are to listen to VHF Channel 79 for Rocket Lab Range Information Broadcast to hear if the safety zone is active.

8. Contact Rocket Lab Range Control on VHF Channel 07 to request clearance to pass through the test area.

Rocket Lab Ltd.

HITS 55/147

TONGA - AIDS TO NAVIGATION, DEPTHS, DEBRIS, MARINA INFRASTRUCTURE

1. Due to the volcanic eruption of Hunga Tonga-Hunga Ha'apai volcano and aftermath of subsequent tsunami, aids to navigation may be unreliable.

2. Depths less than charted and surface debris may be encountered.

3. Damage to shorelines and marina infrastructure is also to be expected.

4. Mariners are advised to navigate with caution in coastal waters and approaches to harbours.

New Zealand Hydrographic Authority

HITS 82/1053

NOTICES TO MARINERS

Index of Charts Affected

Chart No.	Notices to Mariners
NZ 5224	23(T)
NZ 5413	22(T)
NZ 6142	21(T)

NZ 21(T)/22 NEW ZEALAND - South Island - North Coast - Port Nelson. Rear leading beacon - Restored

1. Former notice - NZ 53(T)/21 is cancelled.
2. Cancel this notice on receipt.

Chart formerly affected: NZ 6142

NZ Light List: 4227.1

Port Nelson
HITS 6142/282

NZ 22(T)/22 NEW ZEALAND - North Island - East Coast - Bay of Plenty - Kaituna River Entrance. Marine Construction - Completed

1. Former notice - NZ 57(T)/21 is cancelled.
2. Cancel this notice on receipt.

Chart formerly affected: NZ 5413

Bay of Plenty Regional Council Toi Moana
HITS 5413/58

NZ 23(T)/22 NEW ZEALAND - North Island - East Coast - Great Barrier Island (Aotea Island). No anchoring buoys

1. Lit yellow buoys *Fl(4)Y.12s* have been temporarily deployed at the following locations, until further notice:
 - a.) 36°15'.07S., 175°23'.50E.
 - b.) 36°19'.11S., 175°29'.27E.
2. There should be no anchoring within 50 metres of the buoys.
3. Mariners are advised to exercise caution when navigating in the area.

Chart temporarily affected: NZ 5224

NIWA
HITS 5224/6

CORRECTIONS TO NEW ZEALAND PUBLICATIONS

New Zealand Nautical Almanac 2021/22, NZ 204 Light List Information

4227.1	Entrance. Rear	41 16.11 F G 173 15.86	9	White ▽ White beacon	G 122°-148° (26°) Neon □	*
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(HITS 6142/282)

CORRECTIONS TO ADMIRALTY PUBLICATIONS

The New Zealand Hydrographic Authority no longer publishes corrections to Admiralty Publications as part of the fortnightly New Zealand Notice to Mariners Edition. For information regarding these publications please refer to:
<https://www.admiralty.co.uk/publications>.

NAVIGATIONAL WARNINGS

The New Zealand Hydrographic Authority no longer publishes navigational warnings for NAVAREA XIV and NZ Coastal Area Z as part of the fortnightly New Zealand Notice to Mariners Edition.

New Zealand navigational warnings are available at: <https://www.maritimenz.govt.nz/commercial/safety/maritime-radio/navigational-warnings.asp>.

Australian navigational warnings are available at: <https://www.amsa.gov.au/safety-navigation/navigation-systems/maritime-safety-information-database>.

As these lists may not be up to date it is not an authoritative source of navigational warnings so Masters/Captains are still required to receive navigational warnings from the appropriate International Maritime Organization (IMO) or World Meteorological Organization (WMO) approved Global Maritime Distress and Safety System (GMDSS) broadcast service i.e. the International SafetyNET system.



HYDROGRAPHIC NOTE

(For instructions, see next page)

New Zealand Hydrographic Authority
Toitū Te Whenua Land Information New Zealand
Radio New Zealand House
155 The Terrace
PO Box 5501
Wellington 6145
New Zealand

Tel: 0800 665 463 or +64 (0)4 460 0110
Email: ntm@linz.govt.nz

Date Ref. No.

Name and address of ship or sender

.....
.....

Tel/Email of sender

General locality

Subject

Position. Lat. Long.

Position fixing system used

Datum

Paper Chart/ENC affected Edition

Dated

Latest Notice to Mariners held

Publications affected (Edition No. and date of latest supplement, page no., ID no. etc).....

Details:

A replacement copy of Chart No.
is required (see Instruction 4).

Signature of observer/reporter

HYDROGRAPHIC NOTE

Forwarding Information for Charts and Hydrographic Publications

Note: An acknowledgement of 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 Notices to Mariners is issued, the sender's ship or name is quoted as authority unless (as sometimes happens) the information is also received in a foreign Notices to Mariners. An explanation of the use of contributions from all parts of the world would be too greater task and a further communication should only be expected when the information is of outstanding value or has unusual features.

INSTRUCTIONS:

1. Mariners are requested to notify New Zealand Hydrographic Authority, Toitū Te Whenua Land Information New Zealand, 155 The Terrace, PO Box 5501, Wellington 6145, New Zealand, when new or suspected dangers to navigation are discovered, changes observed in aids to navigation, or corrections to publications seem to be necessary. The *Admiralty* publication, *The Mariner's Handbook* (NP100), Chapter 4, gives general instructions.
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 New Zealand Hydrographic Authority at the address above, or in PDF format directly from the Toitū Te Whenua LINZ website, www.linz.govt.nz/sea.
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 should be quoted. However, when there is a series of fixes along a ship's course, only the method of fixing and the objects used need to be indicated. 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 used should be given.
4. Paper Charts: A cutting from the largest scale paper 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 the chart itself) these should be in red as above, but adequate detail from the chart must be traced in black ink to enable the amendments to be fitted correctly.

Electronic Navigational Charts (ENCs): A screen dump of the largest scale usage band ENC with the alterations and additions being shown thereon in red.

5. When soundings are obtained, *The Mariner's Handbook* (NP100) 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 echo sounder set should also be given.
6. Modern echo sounders frequently record greater depths than the set's nominal range, e.g. with a set whose maximum is 500m a trace appearing at 50m may in fact be 550m or even 1,050m. Erroneous deep soundings beyond the sets nominal range can usually be recognised by the following:
 - (a) The trace being weaker than normal for the depth registered
 - (b) The trace appearing to pass through the transmission line
 - (c) The "feathery" nature of the trace.
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.