

NEW ZEALAND NOTICES TO MARINERS

Notices NZ 54 - 58

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, 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 Land Information New Zealand, Maritime New Zealand, Principal Chart Agents at the major ports of New Zealand and the internet: www.linz.govt.nz.

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 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 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.
NZ 43
NZ 46
NZ 61
NZ 62
NZ 63
NZ 82 (T 82)
NZ 86
NZ 232
NZ 615
NZ 5412
NZ 6144
NZ 6155

Publication
Nil

NEW ZEALAND CHARTS. New Chart, New Editions to be Published Shortly

New Chart to be Published Shortly

<i>Number</i>	<i>Title</i>
NZ 6155	Queen Charlotte Sound / Tōtaranui – Northern Approaches

New Editions to be Published Shortly

<i>Number</i>	<i>Title</i>
NZ 43	Manukau Harbour to Cape Egmont
NZ 46	Cook Strait
NZ 61	Karamea River to Stephens Island (Takapourewa)
NZ 62	Cape Palliser or Matakītākiakūpe to Kaikōura Peninsula
NZ 63	Kaikōura Peninsula to Banks Peninsula
NZ 82 (T 82)	Tonga
NZ 86	Samoa Islands
NZ 232	Lake Taupo (Taupomoana)
NZ 615	Marlborough Sounds
NZ 5412	Port of Tauranga
NZ 6144	Abel Tasman

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.iho.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.iho.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:

Hourly Area Predictions (HAP): ftp://ftp.ips.gov.au/data/HF%20Systems/Monthly%20Predictions/9038/HAP9038Taupo_page_1.pdf

Local Area Mobile Predictions (LAMP):

<ftp://ftp.ips.gov.au/data/HF%20Systems/Monthly%20Predictions/9038/LAMP9038NAVAREAXIV1.pdf>

Australian Government IPS Radio and Space Services
HITS -/1

HAWKE BAY AND SOUTHWEST PACIFIC BASIN - ROCKET LAUNCH AND SPACE DEBRIS

1. A hazardous rocket launch operation will be taking place between 27 June - 10 July 2019 inclusive within the following zones:

Launch Hazard Area

- a. 39° 14'.05S., 177° 50'.90E.
- b. 39° 12'.00S., 177° 55'.00E.
- c. 39° 20'.00S., 178° 11'.50E.
- d. 39° 25'.00S., 178° 07'.00E.
- e. 39° 16'.30S., 177° 48'.90E.

Space Debris Hazard Area A

- a. 40° 45'.00S., 176° 00'.00W.
- b. 41° 45'.00S., 171° 30'.00W.
- c. 43° 15'.00S., 172° 00'.00W.
- d. 42° 00'.00S., 176° 30'.00W.

Space Debris Hazard Area B

- a. 44° 00'.00S., 158° 30'.00W.
- b. 44° 15'.00S., 151° 30'.00W.
- c. 45° 30'.00S., 151° 30'.00W.
- d. 41° 15'.00S., 158° 30'.00W.

(continued)

HAWKE BAY AND SOUTHWEST PACIFIC BASIN - ROCKET LAUNCH AND SPACE DEBRIS continued

2. A marine reserve area will be in effect within Launch Hazard Area in accordance with Hawke's Bay Regional Council Navigation Safety Bylaw 2018 3.8.
3. Listen to VHF Channel 79 for Rocket Lab Range Information Broadcast.
4. Rocket Lab Range Control can be contacted during launch operations on VHF Channel 07.
5. Space debris from the launch is expected in: Space Debris Hazard Area A and Space Debris Hazard Area B.
6. Due to the frequency of scheduling delays, vessels planning on transiting the area should always check the latest New Zealand Notice to Mariners Edition for updates to the Rocket Lab launch schedule.
7. Mariners are advised to exercise caution when navigating in and around the areas.
8. Cancel this notice 11 July 2019.

Rocket Lab

HITS 14600/297

SOUTH TARANAKI BIGHT – TUI OIL FIELD – MAINTENANCE ACTIVITIES***COSL Prospector Rig***

1. A maintenance and side track drilling programme on the Tui Oil Field using the *COSL Prospector* rig (call sign 9V2356) is underway.
2. All vessels are requested to pass 2NM clear of the localities specified in paragraph 3.2 below.

Non-interference Zone

3. Pursuant to section 101B of the Crown Minerals Act 1991, the Chief Executive of the Ministry of Business, Innovation and Employment hereby gives notice of a non-interference zone in relation to the *COSL Prospector* in Petroleum Mining Permit 38158.

3.1. The non-interference zone relates to the following activities: mining operations under the permit, including:

- a) well intervention
- b) side track drilling

3.2. The locality of the activities is at the following positions:

39° 26'.57S., 173° 14'.16E.
39° 25'.40S., 173° 12'.74E.
39° 22'.54S., 173° 11'.75E.

3.3. The area of the non-interference zone is 500 metres from any point on the outer edge of (or the outer edge of any equipment attached to) the *COSL Prospector* rig.

3.4. This notice has effect from 14 June to 30 August 2019 (both days inclusive). Refer to Annual New Zealand Notices to Mariners, No.16A, which can be found in the New Zealand Nautical Almanac (NZ 204) and on the LINZ website www.linz.govt.nz.

(continued)

SOUTH TARANAKI BIGHT – TUI OIL FIELD – MAINTENANCE ACTIVITIES continued***MV Skandi Atlantic***

1. The offshore supply vessel *MV Skandi Atlantic* (call sign C6EH5) is supporting operations for a maintenance and side track drilling programme on the Tui Oil Field using the *COSL Prospector* rig (call sign 9V2356).
2. All vessels are requested to pass 2NM clear of the localities specified in paragraph 3.2 below.

Non-interference Zone

3. Pursuant to section 101B of the Crown Minerals Act 1991, the Chief Executive of the Ministry of Business, Innovation and Employment hereby gives notice of a non-interference zone in relation to the *MV Skandi Atlantic* in Petroleum Mining Permit 38158.

3.1 The non-interference zone relates to the following activities: mining operations under the permit, including:

- a) refuelling
- b) provisioning
- c) replenishment of other supplies, including equipment and tools for maintenance and repair
- d) anchor setting and retrieving

3.2. The locality of the activities is at the following positions:

39° 26'.57S., 173° 14'.16E.
39° 25'.40S., 173° 12'.74E.
39° 22'.54S., 173° 11'.75E.

Also at and between Port of Taranaki and the locality is bounded by the following coordinates:

1. 39° 00'.85S., 174° 03'.40E. then south-east to
2. 39° 03'.07S., 174° 04'.91E. then along the coast to;
3. 39° 12'.63S., 173° 47'.10E. then south-west to;
4. 39° 29'.11S., 173° 12'.93E. then north-west to;
5. 39° 22'.08S., 173° 08'.07E, then north-east to the point of commencement.

3.3 The area of the non-interference zone is 500 metres from any point on the outer edge of (or the outer edge of any equipment attached to) the *MV Skandi Atlantic*.

3.4 This notice has effect from 31 May to 30 August 2019 (both days inclusive). Refer to Annual New Zealand Notices to Mariners, No.16A, which can be found in the New Zealand Nautical Almanac (NZ 204) and on the LINZ website www.linz.govt.nz

MV Skandi Emerald

1. The offshore supply vessel *MV Skandi Emerald* (call sign C6ZC7) is supporting operations for a maintenance and side track drilling programme on the Tui Oil Field using the *COSL Prospector* rig (call sign 9V2356).
2. All vessels are requested to pass 2NM clear of the localities specified in paragraph 3.2 below.

Non-interference Zone

3. Pursuant to section 101B of the Crown Minerals Act 1991, the Chief Executive of the Ministry of Business, Innovation and Employment hereby gives notice of a non-interference zone in relation to the *MV Skandi Emerald* in Petroleum Mining Permit 38158.

(continued)

SOUTH TARANAKI BIGHT – TUI OIL FIELD – MAINTENANCE ACTIVITIES continued

3.1 The non-interference zone relates to the following activities: mining operations under the permit, including:

- a) refuelling
- b) provisioning
- c) replenishment of other supplies, including equipment and tools for maintenance and repair
- d) anchor setting and retrieving

3.2. The locality of the activities is at the following positions:

39° 26'.57S., 173° 14'.16E.

39° 25'.40S., 173° 12'.74E.

39° 22'.54S., 173° 11'.75E.

Also at and between Port of Taranaki and the locality is bounded by the following coordinates:

1. 39° 00'.85S., 174° 03'.40E. then south-east to
2. 39° 03'.07S., 174° 04'.91E. then along the coast to;
3. 39° 12'.63S., 173° 47'.10E. then south-west to;
4. 39° 29'.11S., 173° 12'.93E. then north-west to;
5. 39° 22'.08S., 173° 08'.07E, then north-east to the point of commencement.

3.3 The area of the non-interference zone is 500 metres from any point on the outer edge of (or the outer edge of any equipment attached to) the MV *Skandi Emerald*.

3.4 This notice has effect from 31 May to 30 August 2019 (both days inclusive). Refer to Annual New Zealand Notices to Mariners, No.16A, which can be found in the New Zealand Nautical Almanac (NZ 204) and on the LINZ website www.linz.govt.nz.

MV Pacific Runner

1. The offshore supply vessel MV *Pacific Runner* (call sign C6GS5) is supporting operations for a maintenance and side track drilling programme on the Tui Oil Field using the *COSL Prospector* rig (call sign 9V2356).

2. All vessels are requested to pass 2NM clear of the localities specified in paragraph 3.2 below.

Non-interference Zone

3. Pursuant to section 101B of the Crown Minerals Act 1991, the Chief Executive of the Ministry of Business, Innovation and Employment hereby gives notice of a non-interference zone in relation to the MV *Pacific Runner* in Petroleum Mining Permit 38158.

3.1 The non-interference zone relates to the following activities: mining operations under the permit, including:

- a) refuelling
- b) provisioning
- c) replenishment of other supplies, including equipment and tools for maintenance and repair
- d) anchor setting and retrieving

3.2. The locality of the activities is at the following positions:

39° 26'.57S., 173° 14'.16E.

39° 25'.40S., 173° 12'.74E.

39° 22'.54S., 173° 11'.75E.

(continued)

SOUTH TARANAKI BIGHT – TUI OIL FIELD – MAINTENANCE ACTIVITIES continued

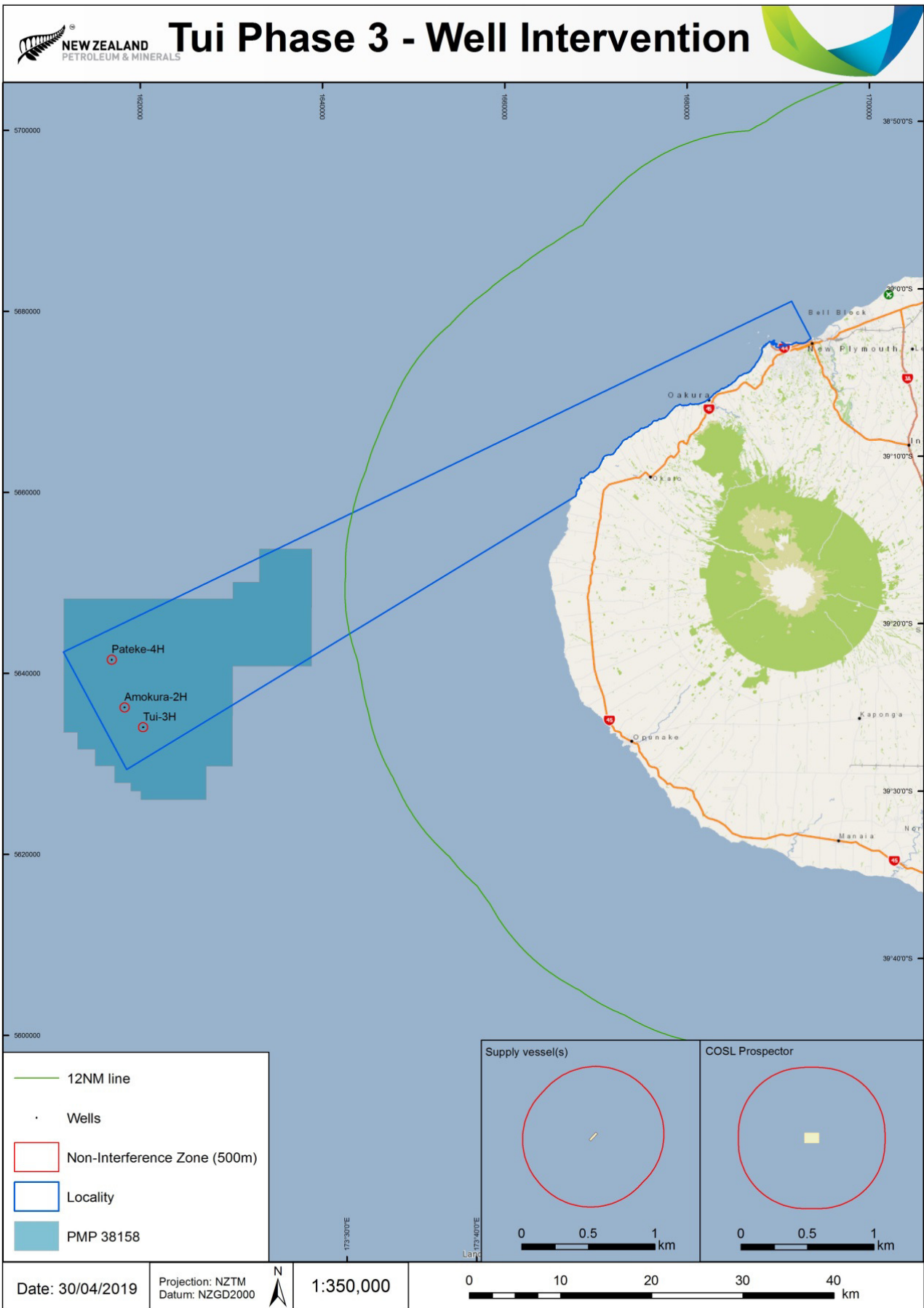
Also at and between Port of Taranaki and the locality is bounded by the following coordinates:

1. 39° 00'.85S., 174° 03'.40E. then south-east to
2. 39° 03'.07S., 174° 04'.91E. then along the coast to;
3. 39° 12'.63S., 173° 47'.10E. then south-west to;
4. 39° 29'.11S., 173° 12'.93E. then north-west to;
5. 39° 22'.08S., 173° 08'.07E, then north-east to the point of commencement.

3.3 The area of the non-interference zone is 500 metres from any point on the outer edge of (or the outer edge of any equipment attached to) the MV *Pacific Runner*.

3.4 This notice has effect from 31 May to 30 August 2019 (both days inclusive). Refer to Annual New Zealand Notices to Mariners, No.16A, which can be found in the New Zealand Nautical Almanac (NZ 204) and on the LINZ website www.linz.govt.nz.

Chief Executive of the Ministry of Business, Innovation and Employment
HITS 443/26/86



NOTICES TO MARINERS

Index of Charts Affected

Chart No.	Notices to Mariners
NZ 512	57
NZ 845	55(P)
NZ 5125	57
NZ 5322	54, 56(T)
NZ 5323	56(T)
NZ 7142	58(T)

NZ 54/19 NEW ZEALAND - North Island - East Coast - Auckland Harbour - Rangitoto Channel. Light Sector Colour Annotations**1. Chart NZ 5322 [035/19]**

Replace	light sector colour annotation G with R	36°47'.13S., 174°48'.37E.
	light sector colour annotation R with G	36°47'.22S., 174°48'.23E.

Auckland Sailing School
HITS 5322/635

NZ 55(P)/19 SOUTH PACIFIC OCEAN - Niue - Alofi Anchorage. Yacht Moorings

1. Seasonal yacht moorings have been established north and south of the wharf, bounded by the following co-ordinates:

North of wharf

- a. 19° 03'.09S., 169° 55'.33W.
- b. 19° 02'.97S., 169° 55'.27W.
- c. 19° 02'.99S., 169° 55'.23W.
- d. 19° 03'.11S., 169° 55'.29W.

South of wharf

- e. 19° 03'.32S., 169° 55'.59W.
- f. 19° 03'.13S., 169° 55'.43W.
- g. 19° 03'.18S., 169° 55'.33W.
- h. 19° 03'.32S., 169° 55'.44W.

(continued)

IV

NZ 55(P)/19 SOUTH PACIFIC OCEAN - Niue - Alofi Anchorage. Yacht Moorings continued

2. Charting action will take place in due course.
3. Mariners are advised to exercise caution when navigating in the area.

Chart affected: NZ 845

Department of Transport, Niue
HITS 845/22

NZ 56(T)/19 NEW ZEALAND - North Island - East Coast - Auckland - Commercial Harbour. Dredging and Marina Operations

1. Former notice - NZ 26(T)/19 is cancelled.
2. Until further notice, dredging works at the Outer Viaduct Harbour and the approach channel to Viaduct Harbour are underway between 0700 and 2200 hrs 7 days a week.
3. Until further notice, construction works in the Eastern Outer Viaduct Harbour and the northern face of Hobson Wharf are underway 24 hrs 7 days a week.
4. Mariners must contact Viaduct Control (VHF Channel 73) if access is required to get to/from the Inner Viaduct Harbour.
5. * Until further notice, construction works on the eastern and western sides of Wynyard Wharf are underway. Works in the vicinity of Halsey Street Wharf are also in progress.
6. * Mariners are advised to remain clear of all dredging and construction operations. The project has a 24 hour contact number - 0800 WYNYARD or contact project Stakeholder Advisor - 021896322.
7. Mariners are advised to exercise caution when navigating in the area.

Charts temporarily affected: NZ 5322, NZ 5323

Wynyard Edge Alliance
HITS 5322/634

NZ 57/19 NEW ZEALAND - North Island - East Coast - Bay of Islands. AIS Buoy

1. Chart NZ 512 [137/18]

Insert



35°08'.50S., 174°07'.70E.

(continued)

NZ 57/19 NEW ZEALAND - North Island - East Coast - Bay of Islands. AIS Buoy continued**2. Chart NZ 5125 [142/18]**

Insert



35°08'.50S., 174°07'.70E.

Northland Regional Council
HITS 5125/46**NZ 58(T)/19 NEW ZEALAND - South Island - West Coast - Greymouth Harbour. Depths**

- Former notice - NZ 45(T)/19 is cancelled.
- A recent survey (4 June 2019) indicates the following least depths below CD on the bar at the Grey River/Māwheranui entrance:

<i>Position</i>	<i>Lead</i>	<i>Depth</i>
42° 26'.320S., 171° 11'.390E.	North Lead	4.3m
42° 26'.327S., 171° 11'.371E.	Main Lead	4.5m
42° 26'.248S., 171° 11'.201E.	South Lead	5.0m

- Mariners should be aware that depths in Greymouth Harbour entrance are constantly changing and should contact the Port of Greymouth for the latest conditions on (03) 768 5666 or Greymouth Harbour Radio Ch14.

Chart temporarily affected: NZ 7142Port of Greymouth
HITS 7142/86

V

CORRECTIONS TO NEW ZEALAND PUBLICATIONS

Nil

VI

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>.

VII

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
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, 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 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 Mariners 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.