

NEW ZEALAND NOTICES TO MARINERS

Notices
NZ 158 – 165

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

Mariners are requested to immediately inform 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 VI 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

Charts. The notices in Section II 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. Symbols referred to are those shown in publication Chart 5011 (*INT 1*) Symbols and Abbreviations used on Admiralty Paper Charts, published by the United Kingdom Hydrographic Office.

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

Block corrections or notes accompanying notices in Section II are placed after Section VI.

Temporary and Preliminary Notices. These are indicated by (T) or (P) after the notice number. A list of [\(T\) and \(P\) Notices in force](#) is published on the LINZ website and in the fortnightly Editions of Notices to Mariners. Charts are not corrected for them before issue; they should be corrected in pencil on receipt.

Light Lists. The detailed correction to the Light List is given in Section III 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 emphasized that the [List of Lights](#) is the authority for lights and that many alterations, especially those of a temporary but operational nature, may only be promulgated as corrections to the List of Lights.

Sailing Directions. Corrections to Sailing Directions are given in Section IV. It is recommended that such corrections be kept together in a file with the latest list of those in force on top. The file can then be consulted when using the Current Edition of the book to see if any notices affecting the area under consideration are extant. Corrections should not be pasted into the Current Edition of the book or Supplement.

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

Navigational Warnings. NAVAREA XIV and NZ Coastal Navigational Warnings that are in force at the time of publication are given in Section V.

Radio Signals. When radio signals are affected by a notice the Admiralty List of Radio Signals reference number is quoted. The detailed correction to the List of Radio Signals is given in Section VI and may be published in a later edition than the chart correcting notice. It is recommended that such corrections be kept together in a file with the latest list of those in force on top. Corrections should not be pasted into the Current Edition of the book.

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 books up to date.

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.

Further guidance. The Mariner's Handbook (NP 100) gives a fuller explanation of the limitations of charts. All users should study it in their own interest.

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.

II**NUMERICAL INDEX OF CHARTS AFFECTED***(NZ NTM Edition No. 16 dated 7 August 2015)*

NZ Chart No.	INT Chart No.	ENC No.	Notice to Mariners
NZ 53 NZ 532 NZ 533 NZ 5315 NZ 5316 NZ 5318 NZ 5327 NZ 5612 NZ 7142		NZ505612 NZ407142 NZ505316 NZ507142 NZ605612	161 161 161 162 159 162 161 165(T) 164(T) 160 164(T) 165(T)

NEW ZEALAND TEMPORARY AND PRELIMINARY NOTICES IN FORCE

(NZ NTM Edition No. 16 dated 7 August 2015)

NZ Notice	T/P	Charts Affected	Locality and Subject
		NZ Chart, ENC Cell	
242/09	P	NZ 42, NZ 4265	Kaipara Hr. Entrance: Depths
222/10	P	NZ 542	Whakatane: Depths
211/12	P	NZ 61, NZ 614, NZ300061, NZ300614, NZ506141	North Coast, Golden Bay & Tasman Bay: Lights
147/13	P	NZ 521, NZ300521	East Coast, Poor Knights Islands: Depths
156/13	P	NZ 541, NZ 5413, NZ300541, NZ405413	East Coast, Tauranga, Motiti Island: Depths
172/13	P	NZ 6152	North Coast, Havelock: Lights, Beacons
194/13	P	NZ 5124	East Coast, Bay of Islands, Kerikeri Inlet: Light Beacons
221/13	P	NZ 4265	West Coast, Kaipara Harbour: Lights, Beacons, Buoys
41/14	P	NZ 268	Chatham Islands: Depths and Rocks
42/14	P	NZ 26, NZ 27, NZ 268	Chatham Islands: Areas to be avoided
45/14	P	NZ 632, NZ 6324, NZ406324	East Coast, Akaroa Harbour: Area of Restricted Access
132/14	T	NZ 6321, NZ506321, NZ606321	East Coast, Lyttelton Harbour: Light, Beacon
139/14	P	NZ 5612	East Coast, Approaches to Napier: Light Sectors
141/14	T	NZ 23 (INT 640), NZ 25 (INT 648), NZ 45, NZ 48, NZ200023, NZ300045	West Coast, South Taranaki Bight: Seabed Obstructions
156/14	P	NZ 82 (T 82), NZ 8238 (T 8238), NZ 8247 (T 8247), NZ 8248 (T 8248), NZ8259 (T 8259), NZ300082, NZ508238, NZ608238	Kingdom of Tonga, Ha'apai Group: Navigation Aids
171/14	P	NZ 521, NZ300521	East Coast, Whangarei Harbour: Directional light
210/14	P	NZ 8215, NZ508215	Kingdom of Tonga, Niuaotupapu: Navigation Aids
211/14	P	NZ 82 (T 82), NZ 827 (T 827), NZ 8275 (T 8275), NZ 8277 (T 8277), NZ300827, NZ408275, NZ508277	Kingdom of Tonga, Tongatapu: Navigation Aids
213/14	T	NZ 8655, NZ508655	Samoa, Approaches to Apia Harbour: Buoys
224/14	P	NZ 6422, NZ406422, NZ506422	East Coast; Timaru Harbour: Works, Exclusion Zone and Buoy
238/14	P	NZ 822 (T 822), NZ 8225 (T 8225), NZ400822, NZ508225	Kingdom of Tonga, Vava'u Group, Neiafu Harbour: Prohibited Area
245/14	P	NZ 531, NZ 534, NZ 5318, NZ300531	East Coast, Mercury Islands, Mercury Bay: Depths, Rocks
251/14	T	NZ 54, NZ 541, NZ 542, NZ 5413, NZ300541, NZ405413	East Coast, Tauranga, Astrolabe Reef: Exclusion Zone and Waverider Buoy
261/14	T	NZ 522, NZ 532, NZ 5227, NZ305322	East Coast, Kawau Bay, Matakana River: Works in Progress
263/14	P	NZ 62, NZ 63, NZ 6212, NZ300062, NZ462122	East Coast, Kaikoura: Marine Reserve
264/14	P	NZ 63, NZ 64, NZ 632, NZ 6324, NZ300063, NZ406324	East Coast, Banks Peninsula, Akaroa Harbour: Marine Reserve
275/14	P	NZ 8655, NZ508655	Samoa, Apia Harbour: Buoys and Breakwater
24/15	P	NZ 82 (T 82), NZ 822 (T 822), NZ 8225 (T 8225), NZ300082, NZ400822, NZ508225	Kingdom of Tonga, Vava'u Group: Navigation Aids
29/15	T	NZ 632, NZ 6321, NZ400632, NZ506321, NZ606321	East Coast, Lyttelton Harbour, Sticking Point Eastwards: Exclusion Zone
59/15	T	NZ 14065 (INT 65), NZ 14900 (INT 900), NZ14065E, NZ21490E	Ross Sea, Terra Nova Bay, Gerlache Inlet: Scientific Instrument
68/15	T	NZ 45, NZ 48, NZ 4541, NZ300045	West Coast, Wanganui, South Mole Head: Light Unlit
73/15	P	NZ 614, NZ 615, NZ 6151, NZ 6152, NZ 6153, NZ 6154, NZ300614, NZ300615, NZ461531, NZ461532, NZ561541, NZ561542, NZ661542	Marlborough Sounds: Use of Automated Navigation Systems
97/15	P	NZ 5113	East Coast, Houhora & Rangaunu Harbour: Aids to Navigation
99/15	T	NZ 23 (INT 640), NZ 26, NZ 58, NZ 14600 (INT 600), NZ200023, NZ300058, NZ14600E	East Coast, Honeycomb Southeastwards: Scientific Instruments
124/15	T	NZ 66, NZ 661, NZ 6612, NZ300661, NZ506612	East Coast, Approaches to Otago Harbour: Scientific Instruments
125/15	T	NZ 4633, NZ404633	South Coast, Wellington, Lyall Bay, Lit Buoy Removed
131/15	P	NZ 5314, NZ505314	East Coast, Mercury Islands, Red Mercury Islands (Whakau) Northeastwards: Rocks
142/15	P	NZ 5413	East Coast, Tauranga, Port of Tauranga: Works
143/15	T	NZ 14638 (INT 638)	Fiji, Viti Levu & Southern Lau Group: Lights
144/15	T	NZ 4314, NZ404314	West Coast, Manukau Harbour Entrance: Depths
150/15	T	NZ 23 (INT 640), NZ 26, NZ 55, NZ 14600 (INT 600), NZ200023, NZ300055, NZ14600E	East Coast, Poverty Bay, Eastwards: Scientific Instruments
151/15	T	NZ 463, NZ 4633, NZ 4634, NZ300463, NZ404633, NZ546341	South Coast, Pencarrow Head: Light

II

NZ Notice	T/P	Charts Affected	Locality and Subject
		NZ Chart, ENC Cell	
152/15	P	NZ 286, NZ 2862	Auckland Islands: Rocks
154/15	P	NZ 512, NZ 5124, NZ 5125, NZ300512	East Coast, Approaches to Opua: Light Sectors
155/15	P	NZ 5413, NZ405413	East Coast, Kaituna River Entrance & Okurei Point: Depths
157/15	T	NZ 23 (INT 640), NZ 25 (INT 648), NZ 63, NZ 64, NZ 632, NZ200023, NZ300063, NZ400632	East Coast, Banks Peninsula, Steep Head Eastwards: Buoy Unlit
163/15	T		Maritime Safety Broadcasts
164/15	T	NZ 7142, NZ407142, NZ507142	West Coast, Greymouth Harbour: Depths

NZ 158/15 NEW ZEALAND PUBLICATIONS – Raster Navigational Charts (RNCs).

From 7 August 2015, the *NZMariner* BSB cumulative update file for July 2015 will be available from the LINZ website <http://www.linz.govt.nz/sea/charts/nzmariner-official-raster-navigational-charts-rncs>.

NZMariner Raster Navigational Charts (RNCs) can be used only in conjunction with compatible viewing software called Electronic Charting Systems (ECS).

For compliance with New Zealand legal requirements for nautical charts and publications please refer to Maritime Rules Part 25, as supported by Maritime New Zealand Marine Guidance Notice 8 'Use of Electronic Charts, ECDIS and ENC's in New Zealand' available from the Maritime New Zealand website www.maritimenz.govt.nz/Commercial/Shipping-safety/Safety-updates/Guidance-notices.asp.

Further details are included in the Annual New Zealand Notices to Mariners, No.1 which can be found in the New Zealand Nautical Almanac (NZ 204) and on the LINZ website www.linz.govt.nz.

New Zealand Hydrographic Authority
NI 165/2015

NZ 159/15 NEW ZEALAND PUBLICATIONS – Paper Charts.

New Chart Published.

<i>Chart</i>	<i>Published</i>	<i>Title and other remarks</i>	<i>Scale 1:</i>	<i>Page of 15th. Edition NZ 202 20 & 21</i>
NZ 5316	August 2015	Whitianga Harbour <i>New chart compiled from existing and new survey data.</i> 36° 48'.200S. – 36° 51'.650S. 175° 40'.700E. – 175° 44'.000E.	10 000	

New Zealand Hydrographic Authority
NI 166/2015

NZ 160/15 NEW ZEALAND PUBLICATIONS – Electronic Navigational Charts.

New ENC to be Published Shortly.

ENC Cell Title

NZ505316 NZ505316 - NZ5316 - North Island – East Coast – Whitianga Harbour.

New Zealand Hydrographic Authority
NI 169/2015

NZ 161/15 NEW ZEALAND – North Island – East Coast – Firth of Thames – Buoy.

Chart NZ 53 [128/15]


Insert  FI(5)Y.20s 36° 52'.86S., 175° 20'.28E.
Y

Chart NZ 532 [116/15]

Insert  FI(5)Y.20s 36° 52'.86S., 175° 20'.28E.
Y

Chart NZ 533 [177/13]

Insert  FI(5)Y.20s 36° 52'.86S., 175° 20'.28E.
Y

Chart NZ 5327 [177/13]

Insert  FI(5)Y.20s 36° 52'.86S., 175° 20'.28E.
Y

Waikato Regional Council
NI 167/2015

Note: No tracings are included for this notice.

NZ 162/15 NEW ZEALAND – North Island – East Coast – Mercury Bay – Larger Scale Chart Extents, Chart Legends and Delete Chart Plan.

Chart NZ 5315 [44/15]

Insert magenta larger scale chart limit and chart number NZ 5316,
joining the following positions:

36° 48'.20S., 175° 42'.75E. (chart limit)
36° 48'.20S., 175° 44'.00E.
36° 50'.40S., 175° 44'.00E. (chart limit)

Delete magenta larger scale chart limit and chart number NZ 5318,
joining the following positions:

36° 49'.30S., 175° 42'.75E. (chart limit)
36° 49'.30S., 175° 43'.60E.
36° 50'.40S., 175° 43'.60E. (chart limit)

Chart NZ 5318 [259/14]

Delete magenta larger scale plan limit and legend SEE PLAN, joining
the following positions:

36° 49'.30S., 175° 42'.00E.
36° 49'.30S., 175° 43'.60E.
36° 50'.50S., 175° 43'.60E.
36° 50'.50S., 175° 42'.00E.

Delete source data information for the Whitianga Harbour Plan portion
of the Source Data Diagram

Chart NZ 5318 (plan Whitianga Harbour)

Delete entire plan, Whitianga Harbour 1:10 000
and insert legend, See NZ 5316 Whitianga Harbour, in lieu

New Zealand Hydrographic Authority
NI 143/2015

Note: No tracings are included for this notice.

NZ 163(T)/15 SOUTH PACIFIC OCEAN – Maritime Safety Broadcasts.

Former notice – NZ 96(T)/15 is cancelled.

Optimum R/T frequencies within NAVAREA XIV

The accompanying diagrams show 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.) for the period August to October 2015.

Australian Government IPS Radio and Space Services
NI 161/2015

NZ 164(T)/15 NEW ZEALAND – South Island – West Coast – Greymouth Harbour – Depths.

Former notice – NZ 134(T)/15 is cancelled.

- * 1. A recent survey (22 July 2015) indicates the following depths below CD on the bar at the Grey River entrance:
- | | | |
|----------------------|------|-------------------------------|
| North Transit Lead | 3.2m | 42° 26'.337S., 171° 11'.418E. |
| Central Transit Lead | 3.7m | 42° 26'.357S., 171° 11'.422E. |
| South Transit Lead | 3.6m | 42° 26'.363S., 171° 11'.404E. |
2. Mariners should be aware that depths in Greymouth Harbour entrance are constantly changing and should contact the Harbourmaster for the latest conditions on (027) 435 3424 or (03) 768 5666 or Greymouth Harbour Radio Ch14.

* *Indicates new or revised entry*

Charts temporarily affected: NZ 7142, NZ407142, NZ507142

Port of Greymouth
NI 168/2015

NZ 165(T)/15 NEW ZEALAND – North Island – East Coast – Approaches to Napier – Dredging Complete.

Former notice – NZ 107(T)/15 is cancelled.

Cancel this notice on receipt.

Charts formerly affected: NZ 5612, NZ505612, NZ605612

Hawkes Bay Regional Council
NI 170/2015

III

CORRECTIONS TO NEW ZEALAND LIGHT LIST (NZ NTM Edition No.16 dated 7 August 2015)

NEW ZEALAND NAUTICAL ALMANAC 2015/16 LIGHT LIST SECTION

3893.2	-- Port	36 50.16 175 42.58	Fl R 3s	Red Post	
*	*	*	*		*
3893.3	-- Starboard	36 50.14 175 42.57	Fl G 3s	Green Post	
		*			
3893.4	-- Ldg Lts 260° Front	36 50.17 175 42.46	F Y(vert)	Post	5
	*	*	*		*
3893.41	-- Rear. 133m from front	36 50.18 175 42.37	F Y(vert)	Post	7
	*	*	*		*

(NI 166/2015)

IV

CORRECTIONS TO SAILING DIRECTIONS AND NEW ZEALAND PUBLICATIONS (NZ NTM Edition No. 16 dated 7 August 2015)

New Zealand Chart Catalogue 15th Edition, NZ 202

Page 21	AUCKLAND ZONE				
<i>Insert</i>	NZ 5316	Whitianga Harbour -----	10 000	8/2015	
<i>Amend</i>	NZ 5318	Great Mercury Island / Ahuahua to Otara Bay----- Whitianga Harbour	50 000 40 000	4/1976	9/2001
Page 32	NUMERICAL CHART LIST – New Zealand Charts				
<i>Insert</i>	NZ 5316		10 000	21	

(NI 166/2015)

V

NAVIGATIONAL WARNINGS

Warnings in force 5 August 2015

NAVAREA XIV

(South West Pacific)

NIL IN FORCE

NZ Coastal Navigational Warnings

(Area Z)

- 143/15 COASTAL NAVIGATION WARNING 143/15
AREA COLVILLE
TIRITIRI MATANGI ISLAND, HAURAKI GULF
1. LIVE FIRING 041900 UTC TO 060030 UTC AUG 15 IN DANGER AREA D125. ANNUAL NEW ZEALAND NOTICES TO MARINERS NUMBER 5 REFERS.
2. CANCEL THIS MESSAGE 060100 UTC AUG 15
- 144/15 COASTAL NAVIGATION WARNING 144/15
AREA COLVILLE
CUVIER ISLAND, BAY OF PLENTY
1. LIVE FIRING 051930 UTC TO 052330 UTC AUG 15 IN DANGER AREA M204. ANNUAL NEW ZEALAND NOTICES TO MARINERS NUMBER 5 REFERS.
2. CANCEL THIS MESSAGE 052330 UTC AUG 15
- 149/15 SECURITE
FM: RCC NEW ZEALAND 030420 UTC AUG 15
COASTAL NAVIGATION WARNING 149/15
AREA GREY
WESTPORT BAR CLOSED DUE TO WEATHER UNTIL FURTHER NOTICE.
- 151/15 SECURITE
FM: RCC NEW ZEALAND 040300 UTC AUG 15
COASTAL NAVIGATION WARNING 151/15
AREA COLVILLE, PLENTY
CUVIER ISLAND (REPUNGA ISLAND), BAY OF PLENTY
1. LIVE FIRING 060300 UTC TO 060500 UTC AUG 15 IN DANGER AREA NZM204. ANNUAL NEW ZEALAND NOTICES TO MARINERS NUMBER 5 REFERS.
2. CANCEL THIS MESSAGE 060600 UTC AUG 15
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VI

CORRECTIONS TO ADMIRALTY LIST OF RADIO SIGNALS

(NZ NTM Edition No. 16 dated 7 August 2015)

Nil

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
Fax: +64 (0)4 460 0161
Email: ntm@linz.govt.nz

Date Ref. No.

Name and address of ship or sender
.....
.....

Tel/Fax/Telex/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.

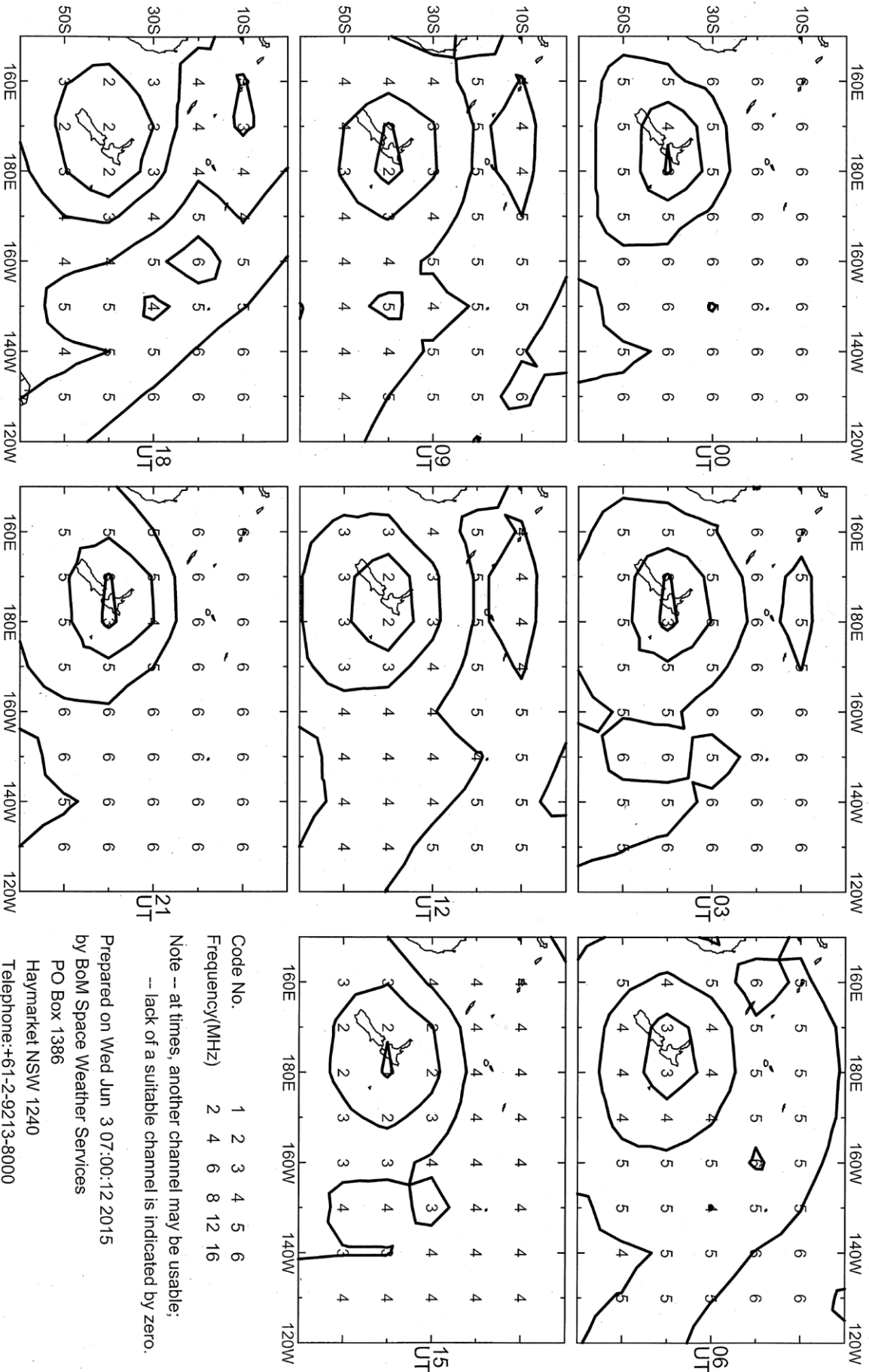
INSTRUCTIONS:

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* (NP 100), 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/hydro. Hydrographic Notes can also be sent from mobile devices using the Hydrographic Notes Application available for [Android](#) and [Apple](#) devices.
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* (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 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.

Recommended frequency bands for communication with Taupo
August 2015 October 2015



BoM Space Weather Services
Local Area Mobile Predictions

15 September, 2015

NAVXREA XIV

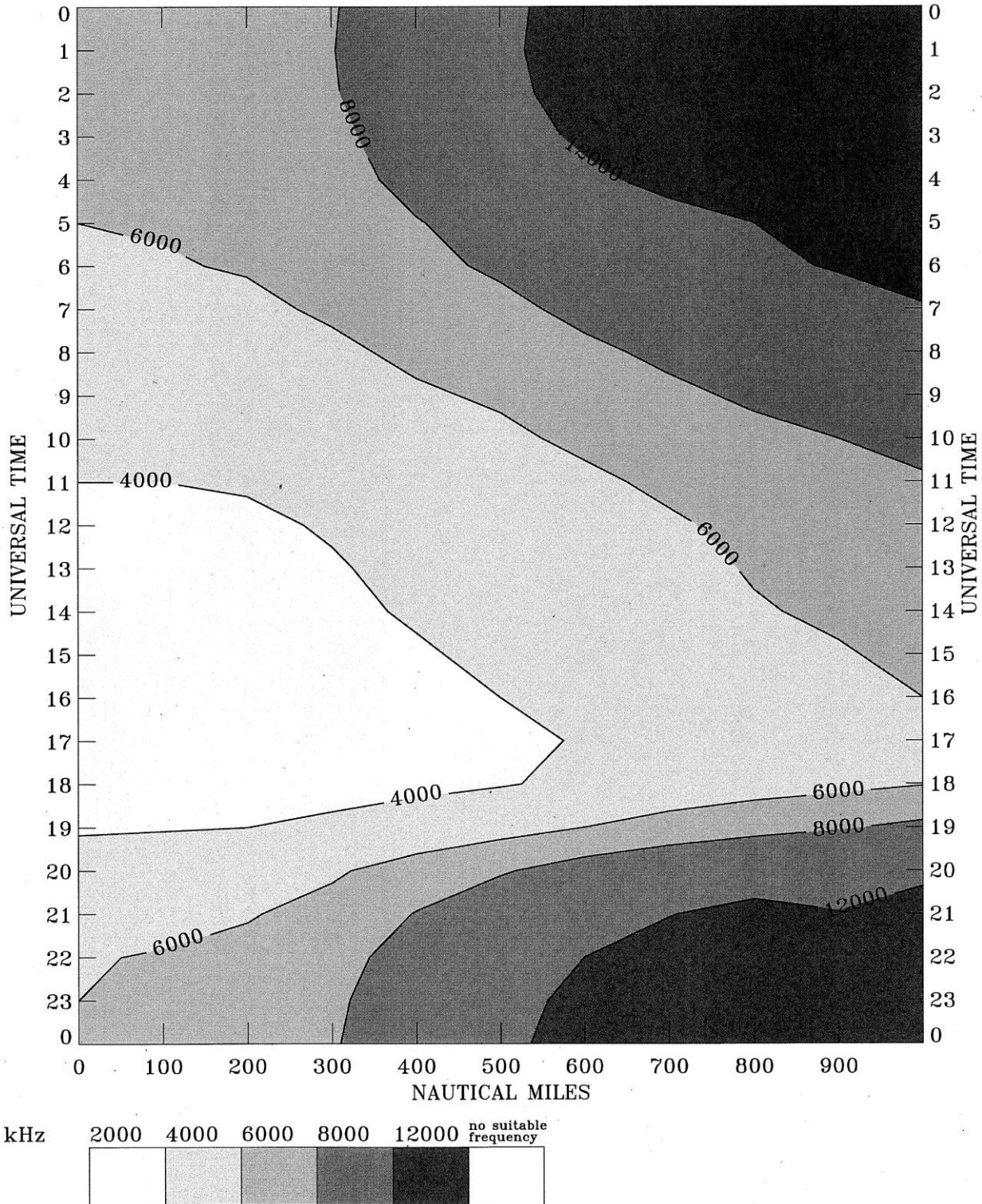


Chart: 1

Address No: 9038