

NORTH ISLAND - EAST COAST CAPE BRETT TO CUVIER ISLAND (REPANGA ISLAND)

DEPTHS IN METRES
SCALE 1:200 000 (41")

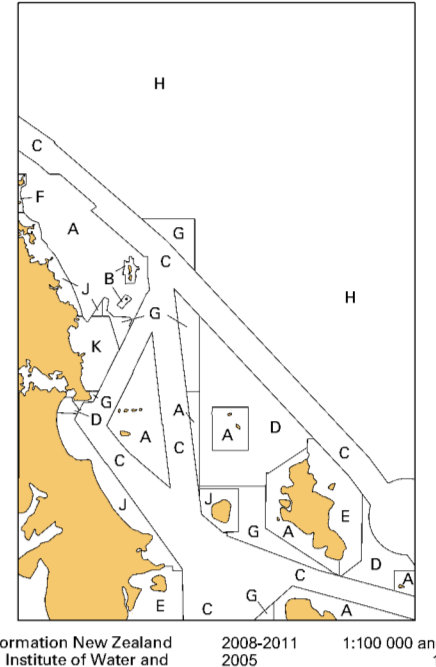
Depths in metres (under thirty-one in metres and decimetres) reduced to Chart Datum, which is approximately Lowest Astronomical Tide.
Heights in metres. Underlined figures are drying heights above Chart Datum; all other heights are above Mean High Water Springs.
Navigational Marks: IALA Maritime Buoyage System Region A (Red to Port).
Positions are on World Geodetic System 1984 (WGS84).
Projection: Mercator.
Sources: For information on the quality of the hydrography see the Source Data Diagram. Topography derived mainly from Land Information New Zealand data.

Tidal Streams referred to HW at AUCKLAND

Hour	Geographical Position	Direction of stream (degrees)	Rate of stream (knots)
01	38°09' S, 174°21' E	190	0.2
02	38°11' S, 174°21' E	190	0.2
03	38°13' S, 174°21' E	190	0.2
04	38°15' S, 174°21' E	190	0.2
05	38°17' S, 174°21' E	190	0.2
06	38°19' S, 174°21' E	190	0.2
07	38°21' S, 174°21' E	190	0.2
08	38°23' S, 174°21' E	190	0.2
09	38°25' S, 174°21' E	190	0.2
10	38°27' S, 174°21' E	190	0.2
11	38°29' S, 174°21' E	190	0.2
12	38°31' S, 174°21' E	190	0.2
13	38°33' S, 174°21' E	190	0.2
14	38°35' S, 174°21' E	190	0.2
15	38°37' S, 174°21' E	190	0.2
16	38°39' S, 174°21' E	190	0.2
17	38°41' S, 174°21' E	190	0.2
18	38°43' S, 174°21' E	190	0.2
19	38°45' S, 174°21' E	190	0.2
20	38°47' S, 174°21' E	190	0.2
21	38°49' S, 174°21' E	190	0.2
22	38°51' S, 174°21' E	190	0.2
23	38°53' S, 174°21' E	190	0.2
24	38°55' S, 174°21' E	190	0.2
25	38°57' S, 174°21' E	190	0.2
26	38°59' S, 174°21' E	190	0.2
27	39°01' S, 174°21' E	190	0.2
28	39°03' S, 174°21' E	190	0.2
29	39°05' S, 174°21' E	190	0.2
30	39°07' S, 174°21' E	190	0.2

Tidal Levels referred to Datum of Soundings

Place	Lat S	Long E	MNHS	MHNW	MHW	MHS
Tairāhene Harbour	38°37'	174°32'	2.3	1.9	0.8	0.3
Marstons Point	38°40'	174°30'	2.7	2.3	0.8	0.4
Tryphena	38°18'	175°29'	2.6	2.2	0.9	0.4
Bon Accord Harbour	38°28'	174°49'	2.7	2.3	0.8	0.3



SATellite DERIVED POSITIONS
Positions obtained from satellite navigation systems referred to the WGS 84 Datum can be plotted directly onto this chart. Care should be exercised in the transfer of geographical positions to other charts not in terms of WGS 84 Datum.

NAVIGATIONAL AIDS
Certain lights, buoys and beacons in the inner waters and channels are not shown on this chart. For these the larger scale charts must be consulted.

MARINE FARMS
Marine farms growing a variety of seaweeds may be encountered in shallow waters. These farms are generally marked by buoys, beacons and lights. Mariners are warned that not all farms may be shown on this chart.

AREA TO BE AVOIDED
To avoid the risk of collision with fishing gear that is 50 metres length overall shall avoid the area indicated. Mariners should report to the nearest port of call any fishing gear that is 50 metres length overall or more in length. This area is 1000 metres wide and extends 1000 metres from the coast. This area is 1000 metres wide and extends 1000 metres from the coast.