

Issue with data coverage in the South and West Pacific region in the GEBCO_2023 Grid

Please note that some data sets included in the GEBCO_2022 Grid in the South and West Pacific region have not been included in the GEBCO_2023 grid. The region particularly affected are the waters around New Zealand. This omission will be corrected in a future release of the GEBCO grid.

To view the full coverage of the types of source data sets available to generate the GEBCO grid in this region, it is suggested to overlay/combine the GEBCO_2023 Type Identifier (TID) grid with the GEBCO_2022 TID. These data sets are available from GEBCO's web site (https://www.gebco.net/data_and_products/gridded_bathymetry_data/). Definitions of the TID codes can be found on GEBCO's web site and are given below.

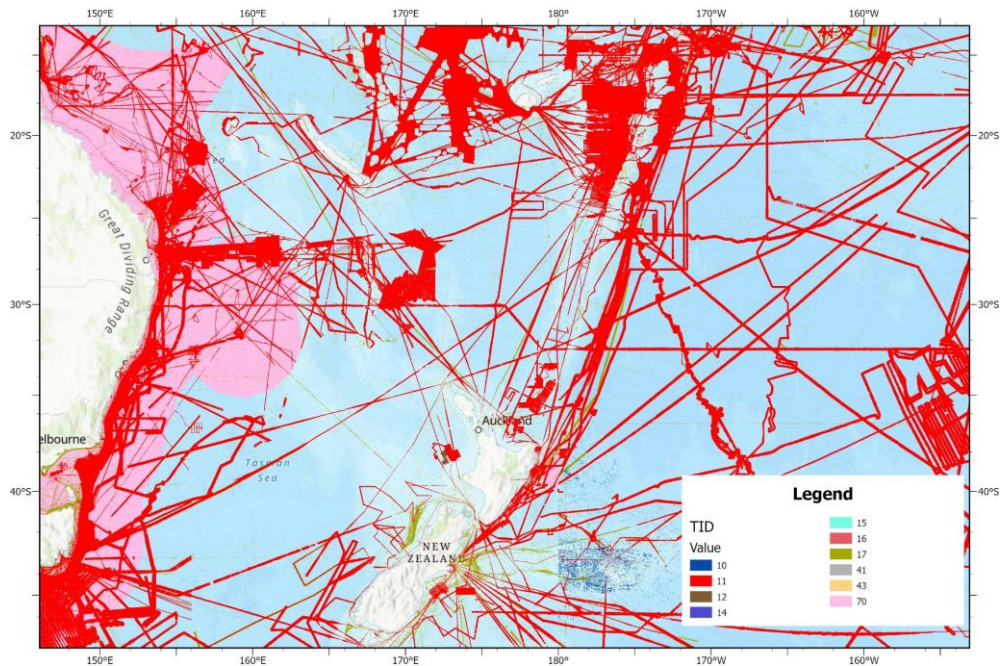


Figure 1 – coverage of data sets included in the GEBCO_2023 Grid, colour-coded for source data type (TID code).

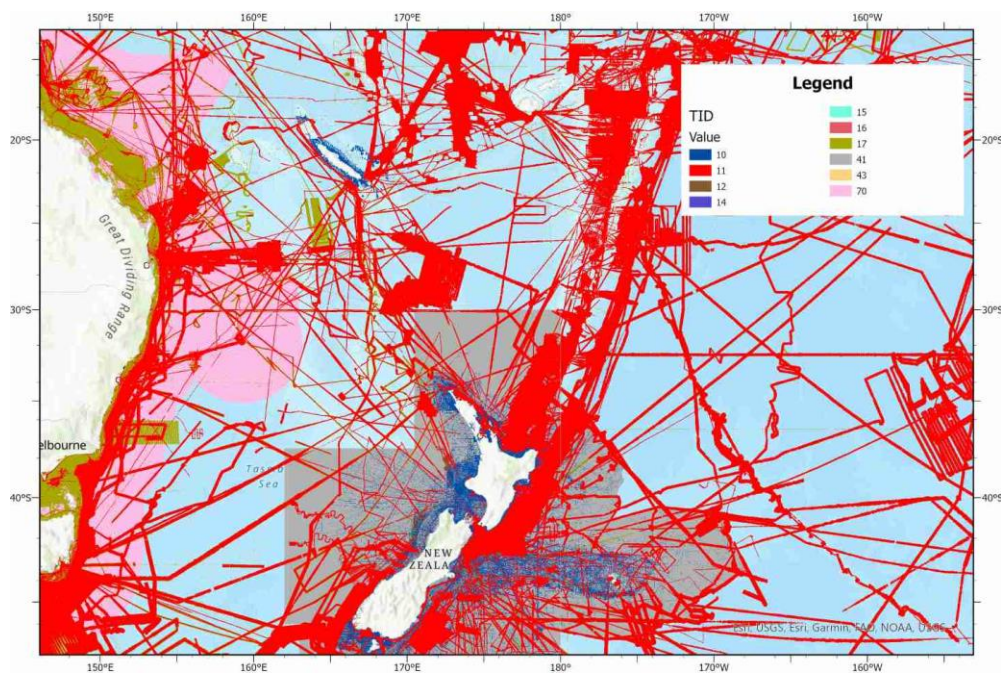


Figure 2 - combined source data coverage for the GEBCO_2022 and GEBCO_2023 Grids. Areas shown in grey (TID 41) are based on interpolation.

Type Identifier codes

TID	Definition
0	Land
Direct measurements	
10	Singlebeam - depth value collected by a single beam echo-sounder
11	Multi beam - depth value collected by a multi beam echo-sounder
12	Seismic - depth value collected by seismic methods
13	Isolated sounding - depth value that is not part of a regular survey or trackline
14	ENC sounding - depth value extracted from an Electronic Navigation Chart (ENC)
15	Lidar - depth derived from a bathymetric lidar sensor
16	Depth measured by optical light sensor
17	Combination of direct measurement methods
Indirect measurements	
40	Predicted based on satellite-derived gravity data - depth value is an interpolated value guided by satellite-derived gravity data
41	Interpolated based on a computer algorithm - depth value is an interpolated value based on a computer algorithm (e.g. Generic Mapping Tools)

TID	Definition
42	Digital bathymetric contours from charts - depth value taken from a bathymetric contour data set
43	Digital bathymetric contours from ENCs - depth value taken from bathymetric contours from an Electronic Navigation Chart (ENC)
44	Bathymetric sounding - depth value at this location is constrained by bathymetric sounding(s) within a gridded data set where interpolation between sounding points is guided by satellite-derived gravity data
45	Predicted based on helicopter/flight-derived gravity data
46	Depth estimated by calculating the draft of a grounded iceberg using satellite-derived freeboard measurement.
Unknown	
70	Pre-generated grid - depth value is taken from a pre-generated grid that is based on mixed source data types, e.g. single beam, multibeam, interpolation etc.
71	Unknown source - depth value from an unknown source
72	Steering points - depth value used to constrain the grid in areas of poor data coverage