Antarctic Bathymetric Surface Model Index

Title

Antarctic Bathymetric Surface Model Index

Creator

LINZ - Land Information New Zealand

Date

2018-07-04

Description

This index enables you to identify freely available digital bathymetric surface models owned by LINZ. This data provides a 3-dimensional model of the surface of the seafloor. These surface models have been created by LINZ from publically funded single- or multi-beam data collected in the Southern Ocean/Ross Sea since 2004. The polygons in the index show the extent of these gridded data models, and include descriptive information, such as the age and quality of the data. The gridded surface models are not downloadable from the LINZ Data Service, but can be provided to you on request. Please refer to the LINZ Bathymetric Index Data Dictionary for further information about the attributes of this dataset, and formats in which the data is available. How to order the data: Requests for the models should be sent to hydro@linz.govt.nz with “Hydro Bathy Data” in the subject line. Requests must, as a minimum, specify the id and surf_name of the models of interest and the data format (see the options in Section 1.4 of the Bathymetric Data Dictionary).

Source

National hydrographic offices are responsible for undertaking or commissioning hydrographic surveys to facilitate the production of nautical charts to enable nations to meet their obligations under the International Convention for the Safety of Life at Sea. Prior to the year 1998 the bathymetric data collected during hydrographic surveys was rendered only as sounding sheets in hard copy form. Since early 1998 the bathymetric datasets have often been rendered as both sounding sheets and as digital data files. This index has been derived from extents and information derived from 3-dimensional bathymetric surface models created by LINZ from publically funded single- or multi-beam data collected in the Southern Ocean/Ross Sea since 2004. LINZ’s bathymetric data is usually based on minimum seabed depth (shoal-biased) values. This means if two soundings are close together we choose the lesser (shallower) one as safety is our primary concern.

Coverage

-77.8287994 160.6664575 -64.9301472 172.2241839

Identifier

https://data.linz.govt.nz/layer/95588-antarctic-bathymetric-surface-model-index/

Type

vector

Language

eng

Subject

New Zealand

Subject

elevation

Subject

transportation

Subject

oceans