

# General Bathymetric Chart of the Oceans (GEBCO)

<http://www.gebco.net>

The General Bathymetric Chart of the Oceans (GEBCO) is the product of an international group of experts, who develop a range of bathymetric data sets, products, and services. These include gridded bathymetric data sets (Digital Elevation Models or DEMs), the GEBCO Digital Atlas, the GEBCO world map, and the GEBCO Gazetteer of Undersea Feature Names. GEBCO is also training a new generation of scientists in ocean bathymetry through the Nippon Foundation/GEBCO Training Project.

The organization is over 100 years old. In 1899, the Seventh International Geographic Congress nominated a Commission on sub-oceanic nomenclature, which would also be responsible for the publication of a general bathymetric chart. The Commission convened in Wiesbaden (April 15-16, 1903), with Prince Albert I, of Monaco, in the chair. That commission prepared 24 sheets of Carte générale bathymétrique des océans, the original GEBCO edition.

GEBCO's aim is to provide the most authoritative, publicly available bathymetry for the world's oceans. It operates under the joint auspices of the Intergovernmental Oceanographic Commission (IOC) and the International Hydrographic Organization (IHO). Traditionally focused on the deeper water areas of the world's oceans, i.e. greater than 200 m depth, GEBCO is now responding to community interest in the shallower, shelf regions of ocean, with an improving GEBCO grid in shallow water areas.

For information on all GEBCO products and programs, see the GEBCO website:

<http://www.gebco.net>

## GEBCO Products & Services

- Gridded Bathymetric Data
- Grid display software
- GEBCO Digital Atlas
- Undersea feature names
- GEBCO World Map
- Hard copy charts
- History of GEBCO, 1903-2003

## GEBCO Committees

- Guiding Committee
- Technical Sub-Committee on Ocean Mapping
- Sub-Committee on Undersea Feature Names

## GEBCO Grids and DEMs

- One arc-minute Global Grid
- Thirty arc-second Global Grid



## Available from:

[https://www.bodc.ac.uk/data/online\\_delivery/gebco/](https://www.bodc.ac.uk/data/online_delivery/gebco/)

## GEBCO Digital Atlas (GDA)

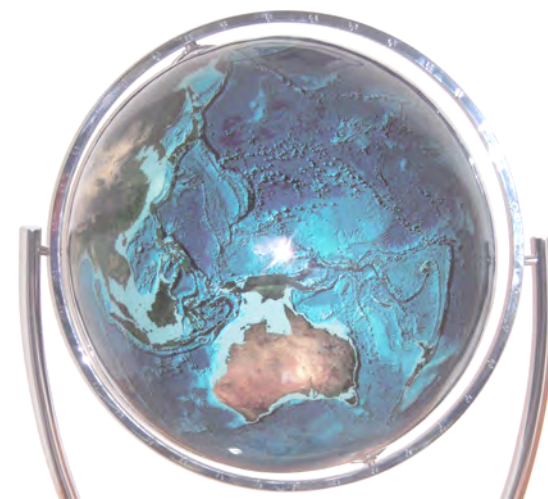
- Maintained by BODC
- Users Guide, Data, & Software Interface
- Coastlines, Tracklines, Feature names

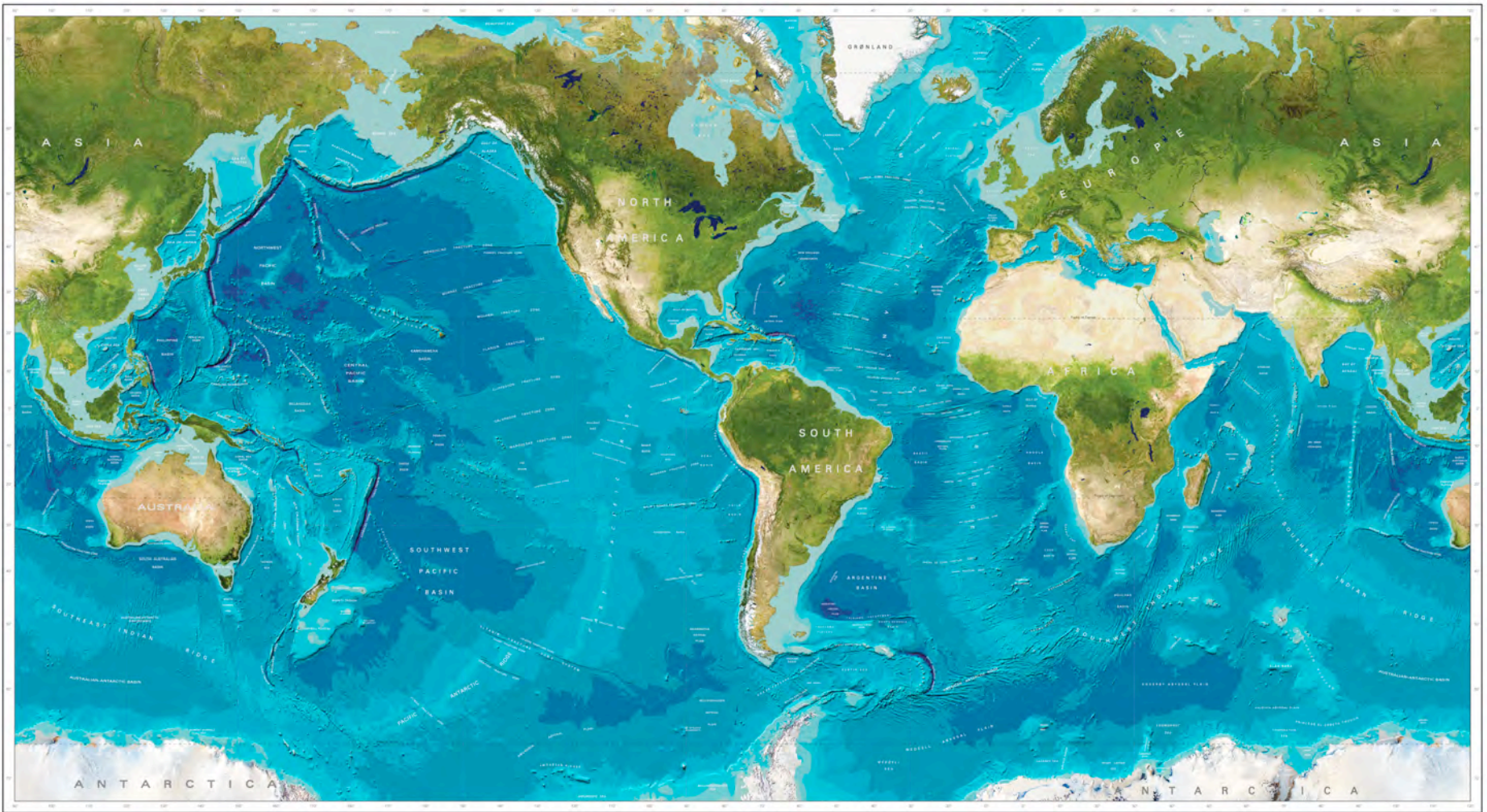
## GEBCO Digital Gazetteer

- Now available to download as:
  - ✓  Microsoft Excel Spreadsheet
  - ✓  Adobe PDF document

## Paper Charts, Maps, & Reports

- GEBCO World Map, 5<sup>th</sup> Edition Charts
- IOC International Bathymetric Charts
- IHO Publications
- Geophysical Atlases





2006.00

**GENERAL BATHYMETRIC CHART OF THE OCEANS (GEBCO)  
 WORLD OCEAN BATHYMETRY**



**ABBREVIATIONS**  
 The following abbreviations are used in this chart:  
 A. Abyssal plain  
 B. Basin  
 C. Canyon  
 D. Deep  
 E. Escarpment  
 F. Fjord  
 G. Gulf  
 H. Hill  
 I. Inland sea  
 J. Junction  
 K. Knoll  
 L. Lagoon  
 M. Mound  
 N. Narrows  
 O. Oceanic ridge  
 P. Plateau  
 Q. Quaternary  
 R. Ridge  
 S. Seamount  
 T. Trench  
 U. Undersea mountain  
 V. Volcanic cone  
 W. Waterway  
 X. X-shaped feature  
 Y. Y-shaped feature  
 Z. Z-shaped feature

**UNIT OF MEASUREMENTS FOR GEBCO**

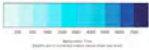
Length	Meter
Area	Square meter
Volume	Cubic meter
Mass	Kilogram
Force	Newton
Energy	Joule
Power	Watt
Temperature	Celsius
Pressure	Pascal
Speed	Meter per second
Acceleration	Meter per second squared
Angular velocity	Radian per second
Angular acceleration	Radian per second squared

Mercator Projection - Scale 1:35 000 000 at the Equator  
 Depths in corrected meters  
 Published with support from:  
 The Nippon Foundation  
 The Margareta Kemnitz Blomqvist Foundation  
 Stockholm University



**GEBCO World Map Cartographic Editorial Board  
 (established December 2004)**

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- Hugo Morrice, Portuguese Navy Hydrographic Office, Portugal
- Abdullah Muehleisen, Nigerian Navy Hydrographic Office, Nigeria



**MAP PROJECTION**  
 The chart is drawn on a Mercator projection. The scale is 1:35 000 000 at the Equator. The scale increases towards the poles. The chart is published with support from the Nippon Foundation, the Margareta Kemnitz Blomqvist Foundation, and Stockholm University.

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**CARTOGRAPHIC**  
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