

Grid developed for Broad-scale gridding in the Georges Bank and Gulf of Maine area (GB project)

Website: <https://www.bco-dmo.org/dataset/2296>

Data Type: Cruise Results

Version: 1

Version Date: 2004-06-16

Project

» [U.S. GLOBEC Georges Bank](#) (GB)

Program

» [U.S. GLOBal ocean ECosystems dynamics](#) (U.S. GLOBEC)

Contributors	Affiliation	Role
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Abstract

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Coverage

Spatial Extent: N:42.375 E:-65.625 S:40.225 W:-69.175

Temporal Extent: 1993 - 1999

Dataset Description

The Broad-scale grid is defined by the points within this data file. It is used for Broad-scale gridding applications. Each rectangle in the grid is 0.05 degrees latitude by 0.05 degrees longitude. The area is the area, in km², that the grid point represents. The field names are as follows:

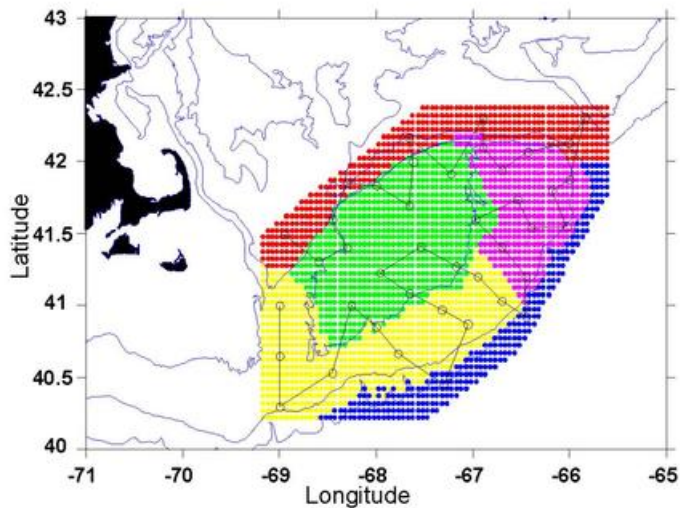
For information relating to the development of the grid, see the [Grid Report](#)

This is an example of a gridding [datasheet](#).

Download [Excel](#) File. (Hold SHIFT key and Click to download)

Note: Subregion 5 (Slope Water) has been redefined to include those points formerly in Subregion 3 (Northeast Peak) where the water is deeper than 150 meters.

GEORGES BANK BROAD-SCALE STANDARD GRID.



The grid spacing is 0.05 degrees in latitude and longitude. Also provided is the area represented by point. There are 2385 points in the grid.

1 = Northern Flank (Red), 2 = Crest (Green), 3 = Northeast Peak (Mauve),
4 = Southern Flank (Yellow), 5 = Slope Water (Blue)

Last modified: June 16, 2004

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Data Files

File
broadscale_grid.csv (Comma Separated Values (.csv), 76.73 KB) MD5:b97314304198a56844f95fb9d7a2b766
Primary data file for dataset ID 2296

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Parameters

Parameter	Description	Units
lon	longitude	decimal degrees, negative is west
lat	latitude	decimal degrees
area	area	km2
depth_w	water depth	meters
grid	grid number	numeric value from 1 to 2385
subregion	subregion for each grid point	numeric value from 1 to 5

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Project Information

U.S. GLOBEC Georges Bank (GB)

Website: http://globec.who.edu/globec_program.html

Coverage: Georges Bank, Gulf of Maine, Northwest Atlantic Ocean

The U.S. GLOBEC [Georges Bank](#) Program is a large multi-disciplinary multi-year oceanographic effort. The proximate goal is to understand the population dynamics of key species on the Bank - Cod, [Haddock](#), and two species of zooplankton ([Calanus finmarchicus](#) and [Pseudocalanus](#)) - in terms of their coupling to the physical environment and in terms of their [predators and prey](#). The ultimate goal is to be able to predict changes in the distribution and abundance of these species as a result of changes in their physical and biotic environment as well as to anticipate how their populations might respond to climate change.

The effort is substantial, requiring broad-scale surveys of the entire Bank, and process studies which focus both on the links between the target species and their physical environment, and the determination of fundamental aspects of these species' life history (birth rates, growth rates, death rates, etc).

Equally important are the modelling efforts that are ongoing which seek to provide realistic predictions of the flow field and which utilize the life history information to produce an integrated view of the dynamics of the populations.

The U.S. GLOBEC Georges Bank [Executive Committee \(EXCO\)](#) provides program leadership and effective communication with the funding agencies.

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Program Information

U.S. GLOBAL ocean ECosystems dynamics (U.S. GLOBEC)

Website: <http://www.usglobec.org/>

Coverage: Global

U.S. GLOBEC (GLOBAL ocean ECosystems dynamics) is a research program organized by oceanographers and fisheries scientists to address the question of how global climate change may affect the abundance and production of animals in the sea.

The U.S. GLOBEC Program currently had major research efforts underway in the Georges Bank / Northwest Atlantic Region, and the Northeast Pacific (with components in the California Current and in the Coastal Gulf of Alaska). U.S. GLOBEC was a major contributor to International GLOBEC efforts in the Southern Ocean and Western Antarctic Peninsula (WAP).

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Funding

Funding Source	Award
National Science Foundation (NSF)	unknown GB NSF
National Oceanic and Atmospheric Administration (NOAA)	unknown GB NOAA

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