

Georges Bank Fish larvae collected in MOCNESS tows from R/V Albatross IV, R/V Endeavor, and R/V Oceanus broadscale cruises in the Gulf of Maine and Georges Bank from 1995-1999 (GB project)

Website: <https://www.bco-dmo.org/dataset/2324>

Data Type: Cruise Results

Version: 1

Version Date: 2004-06-03

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

Georges Bank Fish larvae collected in MOCNESS tows from R/V Albatross IV, R/V Endeavor, and R/V Oceanus broadscale cruises in the Gulf of Maine and Georges Bank from 1995-1999

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Coverage

Spatial Extent: N:42.327 E:-65.645 S:40.278 W:-69.038

Temporal Extent: 1995-02-10 - 1999-06-14

Dataset Description

Georges Bank Fish Larvae Data from MOCNESS tows

¹Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m² of sea surface area. Most haul factors range from 1 to 10. The Standard Haul Factor has not been applied to the data reported here.

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updated June 3, 2004, G.Heimerdinger

Acquisition Description

GLOBEC Fish Larvae collected by MOCNESS nets, Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m² of sea surface area. Most haul factors range from 1 to 10.

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Parameters

Parameter	Description	Units
cruiseid	Cruise id, e.g. EN330, for Endeavor cruise 330	
year	Four digit year, local time	
inst	Instrument identifier (Bongo versus MOCNESS-1)	
station_std	Standard station number on a cruise	
tow	MOCNESS plankton tow station number on a cruise	
lat	Latitude, at tow start, negative = South	decimaldegrees
lon	Longitude, at tow start, negative = West	decimaldegrees
month_local	Month, (01-12), local time.	
day_local	Day, (01-31) local time.	
time_local	Time, at tow start, local time	HHmm
vol_filt	Total volume of water filtered per unit time	cubicmeters
net	Net identifier	
depth_open	Depth at which the net was opened	meters
depth_close	Depth at which the net was closed	meters
haul_factor_std	Standard Haul Factor ¹	
taxon	Taxonomic name of larval fish species	
num_caught	Number of specific fish larvae caught	
num_measure	Number of fish larvae measured	
fish_len	Length of fish larvae measured	millimeters
num_fish_len	Number of fish larvae at that length	

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Instruments

Dataset-specific Instrument Name	MOCNESS1
Generic Instrument Name	MOCNESS1
Dataset-specific Description	MOCNESS 1 meter square nets (150 and 335 micrometer mesh).
Generic Instrument Description	<p>The Multiple Opening/Closing Net and Environmental Sensing System or MOCNESS is a family of net systems based on the Tucker Trawl principle. The MOCNESS-1 carries nine 1-m² nets usually of 335 micrometer mesh and is intended for use with the macrozooplankton. All nets are black to reduce contrast with the background. A motor/toggle release assembly is mounted on the top portion of the frame and stainless steel cables with swaged fittings are used to attach the net bar to the toggle release. A stepping motor in a pressure compensated case filled with oil turns the escapement crankshaft of the toggle release which sequentially releases the nets to an open then closed position on command from the surface. -- from the MOCNESS Operations Manual (1999 + 2003).</p>

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Deployments

AL9505

Website	https://www.bco-dmo.org/deployment/57371
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9505/al9505rot.pdf
Start Date	1995-05-09
End Date	1995-05-18
Description	<p>broad-scale</p> <p>Acquisition Description</p> <p>GLOBEC Fish Larvae collected by MOCNESS nets, Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m² of sea surface area. Most haul factors range from 1 to 10.</p>

AL9506

Website	https://www.bco-dmo.org/deployment/57372
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9506/al9506new.html
Start Date	1995-06-05
End Date	1995-06-15
Description	<p>broad-scale</p> <p>Acquisition Description</p> <p>GLOBEC Fish Larvae collected by MOCNESS nets, Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m² of sea surface area. Most haul factors range from 1 to 10.</p>

AL9508

Website	https://www.bco-dmo.org/deployment/57373
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9508/a9508rp2.HTM
Start Date	1995-07-10
End Date	1995-07-20
Description	<p>broad-scale</p> <p>Acquisition Description</p> <p>GLOBEC Fish Larvae collected by MOCNESS nets, Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m² of sea surface area. Most haul factors range from 1 to 10.</p>

AL9605

Website	https://www.bco-dmo.org/deployment/57375
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9605/al9605.html
Start Date	1996-05-06
End Date	1996-05-17
Description	<p>broad-scale</p> <p>Acquisition Description</p> <p>GLOBEC Fish Larvae collected by MOCNESS nets, Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m² of sea surface area. Most haul factors range from 1 to 10.</p>

AL9607

Website	https://www.bco-dmo.org/deployment/57376
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9607/AL9607.pdf
Start Date	1996-06-03
End Date	1996-06-13
Description	<p>broad-scale</p> <p>Acquisition Description</p> <p>GLOBEC Fish Larvae collected by MOCNESS nets, Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m² of sea surface area. Most haul factors range from 1 to 10.</p>

AL9701

Website	https://www.bco-dmo.org/deployment/57378
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9701/cra19701.htm
Start Date	1997-01-13
End Date	1997-01-20
Description	<p>broad-scale</p> <p>Acquisition Description</p> <p>GLOBEC Fish Larvae collected by MOCNESS nets, Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m² of sea surface area. Most haul factors range from 1 to 10.</p>

AL9705

Website	https://www.bco-dmo.org/deployment/57379
Platform	R/V Albatross IV
Report	http://globec.who.edu/globec-dir/reports/al9705/al9705.html
Start Date	1997-05-19
End Date	1997-05-27
Description	<p>broad-scale</p> <p>Acquisition Description</p> <p>GLOBEC Fish Larvae collected by MOCNESS nets, Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m2 of sea surface area. Most haul factors range from 1 to 10.</p>

AL9707

Website	https://www.bco-dmo.org/deployment/57380
Platform	R/V Albatross IV
Report	http://globec.who.edu/globec-dir/reports/al9707/al9707.html
Start Date	1997-06-18
End Date	1997-06-28
Description	<p>broad-scale</p> <p>Acquisition Description</p> <p>GLOBEC Fish Larvae collected by MOCNESS nets, Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m2 of sea surface area. Most haul factors range from 1 to 10.</p>

AL9801

Website	https://www.bco-dmo.org/deployment/57382
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9801/al9801.html
Start Date	1998-01-07
End Date	1998-01-19
Description	<p>broad-scale</p> <p>Acquisition Description</p> <p>GLOBEC Fish Larvae collected by MOCNESS nets, Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m² of sea surface area. Most haul factors range from 1 to 10.</p>

AL9806

Website	https://www.bco-dmo.org/deployment/57384
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9806/al9806.html
Start Date	1998-05-13
End Date	1998-05-22
Description	<p>broad-scale</p> <p>Acquisition Description</p> <p>GLOBEC Fish Larvae collected by MOCNESS nets, Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m² of sea surface area. Most haul factors range from 1 to 10.</p>

AL9808

Website	https://www.bco-dmo.org/deployment/57385
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9808/al9808.html
Start Date	1998-06-16
End Date	1998-06-26
Description	<p>broad-scale</p> <p>Acquisition Description</p> <p>GLOBEC Fish Larvae collected by MOCNESS nets, Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m² of sea surface area. Most haul factors range from 1 to 10.</p>

AL9901

Website	https://www.bco-dmo.org/deployment/57386
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9901/al9901.html
Start Date	1999-01-12
End Date	1999-01-24
Description	<p>broad-scale</p> <p>Acquisition Description</p> <p>GLOBEC Fish Larvae collected by MOCNESS nets, Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m² of sea surface area. Most haul factors range from 1 to 10.</p>

AL9904

Website	https://www.bco-dmo.org/deployment/57387
Platform	R/V Albatross IV
Start Date	1999-05-19
End Date	1999-05-27
Description	<p>broad-scale</p> <p>Acquisition Description</p> <p>GLOBEC Fish Larvae collected by MOCNESS nets, Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m2 of sea surface area. Most haul factors range from 1 to 10.</p>

AL9906

Website	https://www.bco-dmo.org/deployment/57388
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9906/al9906rpt.html
Start Date	1999-06-14
End Date	1999-06-24
Description	<p>broad-scale</p> <p>Acquisition Description</p> <p>GLOBEC Fish Larvae collected by MOCNESS nets, Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m2 of sea surface area. Most haul factors range from 1 to 10.</p>

EN261

Website	https://www.bco-dmo.org/deployment/57401
Platform	R/V Endeavor
Start Date	1995-02-10
End Date	1995-02-20
Description	<p>broad-scale</p> <p>Acquisition Description</p> <p>GLOBEC Fish Larvae collected by MOCNESS nets, Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m² of sea surface area. Most haul factors range from 1 to 10.</p>

EN263

Website	https://www.bco-dmo.org/deployment/57403
Platform	R/V Endeavor
Report	http://globec.whoi.edu/globec-dir/reports/en263/EN263.pdf
Start Date	1995-03-13
End Date	1995-03-24
Description	<p>broad-scale</p> <p>Acquisition Description</p> <p>GLOBEC Fish Larvae collected by MOCNESS nets, Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m² of sea surface area. Most haul factors range from 1 to 10.</p>

EN265

Website	https://www.bco-dmo.org/deployment/57405
Platform	R/V Endeavor
Start Date	1995-04-11
End Date	1995-04-22
Description	<p>broad-scale</p> <p>Acquisition Description</p> <p>GLOBEC Fish Larvae collected by MOCNESS nets, Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m² of sea surface area. Most haul factors range from 1 to 10.</p>

EN276

Website	https://www.bco-dmo.org/deployment/57413
Platform	R/V Endeavor
Report	http://globec.who.edu/globec-dir/reports/en276/EN276.pdf
Start Date	1996-01-10
End Date	1996-01-22
Description	<p>broad-scale</p> <p>Acquisition Description</p> <p>GLOBEC Fish Larvae collected by MOCNESS nets, Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m² of sea surface area. Most haul factors range from 1 to 10.</p>

EN278

Website	https://www.bco-dmo.org/deployment/57414
Platform	R/V Endeavor
Start Date	1996-02-13
End Date	1996-02-25
Description	<p>broad-scale</p> <p>Acquisition Description</p> <p>GLOBEC Fish Larvae collected by MOCNESS nets, Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m2 of sea surface area. Most haul factors range from 1 to 10.</p>

EN282

Website	https://www.bco-dmo.org/deployment/57415
Platform	R/V Endeavor
Start Date	1996-04-08
End Date	1996-04-20
Description	<p>broad-scale</p> <p>Acquisition Description</p> <p>GLOBEC Fish Larvae collected by MOCNESS nets, Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m2 of sea surface area. Most haul factors range from 1 to 10.</p>

EN320

Website	https://www.bco-dmo.org/deployment/57427
Platform	R/V Endeavor
Report	http://globec.who.edu/globec-dir/reports/en320new/en320mda.htm
Start Date	1999-03-10
End Date	1999-03-23
Description	<p>broad-scale</p> <p>Acquisition Description</p> <p>GLOBEC Fish Larvae collected by MOCNESS nets, Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m² of sea surface area. Most haul factors range from 1 to 10.</p>

OC275

Website	https://www.bco-dmo.org/deployment/57440
Platform	R/V Oceanus
Start Date	1996-03-11
End Date	1996-03-22
Description	<p>broad-scale</p> <p>Acquisition Description</p> <p>GLOBEC Fish Larvae collected by MOCNESS nets, Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m² of sea surface area. Most haul factors range from 1 to 10.</p>

OC298

Website	https://www.bco-dmo.org/deployment/57444
Platform	R/V Oceanus
Report	http://globec.whoi.edu/globec-dir/reports/oc298/cruisereport.html
Start Date	1997-02-11
End Date	1997-02-23
Description	<p>broad-scale</p> <p>Acquisition Description</p> <p>GLOBEC Fish Larvae collected by MOCNESS nets, Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m² of sea surface area. Most haul factors range from 1 to 10.</p>

OC300

Website	https://www.bco-dmo.org/deployment/57446
Platform	R/V Oceanus
Report	http://globec.whoi.edu/globec-dir/reports/oc300/oc300rpt.mr7.html
Start Date	1997-03-16
End Date	1997-03-28
Description	<p>broad-scale</p> <p>Acquisition Description</p> <p>GLOBEC Fish Larvae collected by MOCNESS nets, Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m² of sea surface area. Most haul factors range from 1 to 10.</p>

OC302

Website	https://www.bco-dmo.org/deployment/57448
Platform	R/V Oceanus
Report	http://globec.who.edu/globec-dir/reports/oc302/oce302.html
Start Date	1997-04-22
End Date	1997-05-02
Description	<p>broad-scale</p> <p>Acquisition Description</p> <p>GLOBEC Fish Larvae collected by MOCNESS nets, Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m² of sea surface area. Most haul factors range from 1 to 10.</p>

OC317

Website	https://www.bco-dmo.org/deployment/57451
Platform	R/V Oceanus
Start Date	1998-02-06
End Date	1998-02-19
Description	<p>broad-scale</p> <p>Acquisition Description</p> <p>GLOBEC Fish Larvae collected by MOCNESS nets, Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m² of sea surface area. Most haul factors range from 1 to 10.</p>

OC319

Website	https://www.bco-dmo.org/deployment/57452
Platform	R/V Oceanus
Report	http://globec.whoi.edu/globec-dir/reports/oc319/oc319new/oc319rpt.8april98.htm
Start Date	1998-03-15
End Date	1998-03-27
Description	<p>broad-scale</p> <p>Acquisition Description</p> <p>GLOBEC Fish Larvae collected by MOCNESS nets, Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m2 of sea surface area. Most haul factors range from 1 to 10.</p>

OC322

Website	https://www.bco-dmo.org/deployment/57454
Platform	R/V Oceanus
Report	http://globec.whoi.edu/globec-dir/reports/oc322/oc322.html
Start Date	1998-04-15
End Date	1998-04-27
Description	<p>broad-scale</p> <p>Acquisition Description</p> <p>GLOBEC Fish Larvae collected by MOCNESS nets, Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m2 of sea surface area. Most haul factors range from 1 to 10.</p>

OC336

Website	https://www.bco-dmo.org/deployment/57459
Platform	R/V Oceanus
Report	http://globec.whoi.edu/globec-dir/reports/oc336/oc336cruise-report.html
Start Date	1999-02-11
End Date	1999-02-23
Description	<p>broad-scale</p> <p>Acquisition Description</p> <p>GLOBEC Fish Larvae collected by MOCNESS nets, Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m² of sea surface area. Most haul factors range from 1 to 10.</p>

OC341

Website	https://www.bco-dmo.org/deployment/57464
Platform	R/V Oceanus
Report	http://globec.whoi.edu/globec-dir/reports/oc341/reptoc341.html
Start Date	1999-04-16
End Date	1999-04-27
Description	<p>broad-scale</p> <p>Acquisition Description</p> <p>GLOBEC Fish Larvae collected by MOCNESS nets, Standard Haul Factor: numerical factor (multiplier) used to standardize catches to be expressed as number caught per 10m² of sea surface area. Most haul factors range from 1 to 10.</p>

Project Information

U.S. GLOBEC Georges Bank (GB)

Website: http://globec.whoi.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.

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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