

NEFSC oceanographic profile (hydrography) data from multiple cruises in the the Gulf of Maine and Georges Bank, Northeast Continental Shelf of the United States from 1977-2009 (Hydrography project)

Website: <https://www.bco-dmo.org/dataset/3309>

Data Type: Cruise Results

Version: September 21, 2010

Version Date: 2010-09-21

Project

» [Hydrography](#) (Hydrography)

Program

» [National Marine Fisheries Service / Northeast Fisheries Science Center](#) (NMFS/NEFSC)

Contributors	Affiliation	Role
Fratantoni, Paula S	Northeast Fisheries Science Center - Woods Hole (NOAA NEFSC)	Scientist
Hare, Jonathan	Northeast Fisheries Science Center - Narragansett (NOAA NEFSC)	Scientist
Manning, James P.	Northeast Fisheries Science Center - Woods Hole (NOAA NEFSC)	Contact
Taylor, Maureen	Northeast Fisheries Science Center - Woods Hole (NOAA NEFSC)	Contact
Groman, Robert C.	Woods Hole Oceanographic Institution (WHOI BCO-DMO)	BCO-DMO Data Manager

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Dataset Description

Since 1977, the Northeast Fisheries Science Center has been collecting hydrographic data on the northeast US continental shelf in support of efforts to understand how the components of this ecosystem influence the distribution, abundance, and productivity of living marine resources. Temperature and salinity profile data are collected on all Northeast Fisheries Science Center cruises, amounting to nearly 2000 profiles collected each year on the northeast continental shelf from Cape Hatteras to the Gulf of Maine. The data are collected aboard a variety of vessels, but most regularly from the Delaware II, HB Bigelow. The data are used to characterize baseline conditions on the shelf, as documented in annual summaries of regional average temperature and salinity, surface and bottom property distributions and their anomalies relative to a consistent reference (<http://www.nefsc.noaa.gov/HydroAtlas>.) The data have been and continue to be used to monitor the seasonal to inter-annual variability of water properties on the northeast US continental shelf.

These data are also accessible directly from the National Marine Fisheries Center

<http://www.nefsc.noaa.gov/epd/ocean/MainPage/ioos.html> and from the National Oceanographic Data Center at <http://www.nodc.noaa.gov/>. Some of the data are also available from the Canadian Marine Environmental Data Service (MEDS) at <http://www.meds-sdmm.dfo-mpo.gc.ca/isdm-gdsj/index-eng.html>.

It is requested that people use the following standard acknowledgement when publishing or presenting results that utilize NMFS data extracted from BCO-DMO.

"This study utilized data collected by the NOAA's Northeast Fisheries Science Center as part of an ongoing mission to monitor and assess the Northeast Continental Shelf ecosystem."

The null values of '999' were replaced with 'nd'.

A unique purpose code has been assigned to each survey, identifying the Northeast Fisheries Science Center program or larger national program to which those data are associated.

Purpose Codes:

01 BLUEFISH SURVEY
02 LOBSTER SURVEY
03 COD SPAWNING SURVEY
04 COOPERATIVE RESEARCH SURVEY - GOOSEFISH
05 COOPERATIVE RESEARCH SURVEY - IBS COD
06 COOPERATIVE RESEARCH SURVEY - IBS YELLOWTAIL
07 COOPERATIVE RESEARCH SURVEY - GEAR SELECTIVITY STUDY
10 NMFS NEFSC BOTTOM TRAWL SURVEY
11 MASSACHUSETTS DMF BOTTOM TRAWL SURVEY
12 NMFS NEFSC HERRING BOTTOM TRAWL SURVEY
13 NMFS NEFSC MISCELLANEOUS BOTTOM TRAWL SURVEY
14 BIOME STATIONS
15 SCOTIAN SHELF REVISION
16 NMFS ACOUSTICS SURVEY
17 DEEPWATER SYSTEMATICS
19 EXPERIMENTAL GEAR TEST
20 GLOBEC BROADSCALE SURVEY
21 GLOBEC PROCESS STUDY
22 ECOSYSTEM MONITORING
23 MARMAP
24 LARVAL HERRING SURVEY
25 12-MILE DUMPSITE
26 ICNAF LARVAL HERRING SURVEY
27 WARM CORE RING CRUISE
28 COLTON CRUISE
29 STVOR CRUISE
30 FOREIGN BOTTOM TRAWL SURVEY
31 FOREIGN PELAGIC TRAWL SURVEY
32 FOREIGN MACKEREL SURVEY
33 FOREIGN FEEDING ECOLOGY
35 MISCELLANEOUS FOREIGN SURVEY
36 FOREIGN HERRING BOTTOM TRAWL SURVEY
37 FOREIGN SCALLOP SURVEY
38 FOREIGN GEAR CRUISE
40 NMFS NEFSC SHRIMP SURVEY
50 NMFS NEFSC CLAM AND QUAHOG SURVEY
60 NMFS NEFSC SEA SCALLOP SURVEY
70 NMFS NEFSC GEAR COMPARISON
71 NMFS GEAR/SENSOR TESTING AND MENSURATION
80 FOOD CHAIN DYNAMICS FEEDING ECOLOGY SURVEY
81 COASTAL OCEAN PROGRAM
82 APEX PREDATOR SURVEY
90 MISCELLANEOUS NON-RANDOM RESOURCE INVESTIGATION CRUISE
91 BENTHIC HABITAT STUDY
93 MARINE MAMMAL SURVEY

Occasionally, a cruise identifier (or opsid) contains more than one part. For example, ALB0301, actually consists of five (5) opsid's. This is because multiple hardware breakdowns during the cruise required that the ship return to port. Because these port visits spanned many days, different opsid's were assigned to each

contiguous leg of the cruise.

Methods & Sampling

The temperature/salinity profile data provided here were collected using Niskin Bottles, Expendable Bathythermographs (XBT used in the 1970s and 1980s), Neil Brown Instrument systems MK3 and MK5 CTD units, and SeaBird Electronics SBE19 and SBE19+ SEACAT profilers and SBE 9/11 CTD units. On NEFSC surveys, CTD data are typically deployed in one of two modes: (1) during a bongo net tow, the CTD instrument is mounted on the conducting wire above the bongo frame and data are collected as a double oblique profile with the ship steaming at ~2 kts, (2) during a non-net tow, the CTD is mounted vertically on the wire and the sensors are soaked for one minute at the surface prior to descent. Because the sensors are not soaked at the surface prior to descent during bongo tows, the upper 30 meters or more of the downcast is unreliable. For this reason, the up-cast profile data has been processed as the primary data.

During the 1970's and 1980's, the Expendable Bathythermograph (XBT) was used to collect the data.

Data Processing Description

All raw CTD profile data were processed using the Seabird manufactured software: DATCNV, FILTER, ALIGNCTD, BINAVG, DERIVE, and ASCIIOUT to produce 1 db averaged ASCII files. The CTD data provided should be considered high quality. The data have been calibrated with in situ water samples and have been subjected to rigorous quality control procedures. Following each cruise, water samples collected during vertical casts were analyzed using a Guildline AutoSal laboratory salinometer to provide quality control of the CTD salinity data. Vertical density profiles are examined for inversions due to bad conductivity or temperature readings and/or sensor misalignment. Egregious cases are replaced with a flag value of 999.

Processing was done by Maureen Taylor, Red Wright, David Mountain, and James Manning.

On September 21, 2010, edits were made to the file supplied to BCO-DMO to replace all occurrences of the missing value "999" with the missing value of "nd". Also, three character ship abbreviations were replaced with two character abbreviations to match those used in the EcoMon Zooplankton datasets.

Please note that some of the parameter names have been changed (or added) from those provided by the data contributor in order to facilitate data interoperability and data reuse. For example, the parameter `gmt_yday1` was changed to `yrday_gmt` and `month`, `day`, and `time` parameters were added, based on the values of `yrday_gmt`.

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Data Files

File
hydrodata.csv (Comma Separated Values (.csv), 301.23 MB) MD5:0c1c62deb0eb98a6d1d9a0364ff2345c
Primary data file for dataset ID 3309

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Parameters

Parameter	Description	Units
year	4-digit year (i.e. 1992) in which the cruise takes place	
vessel_number	Vessel number for individual ship	
cruise_id	distinct cruise identification	
cast	Cast number (unique per gear_type per cruiseid)	
depth_w	Station depth (meters)	meters
lon	longitude, negative = west	decimal degrees
lat	latitude, negative = south	decimal degrees
yrday_gmt	gmt yearday (Julian Calendar)	decimal
press	depth of sample reported as pressure	decibars
temp	temperature	deg C
sal	salinity	PSU
opsid	Concatenation of year, vessel number, and vessel abbreviation	
purpose_code	two digit program identifier for a cruise that is part of a larger Center of national program	
month	GMT month of the cruise	
day	GMT day of the cruise	
time	GMT time of the data	

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Instruments

Dataset-specific Instrument Name	CTD Neil Brown Mark V
Generic Instrument Name	CTD Neil Brown Mark 5
Dataset-specific Description	MK5
Generic Instrument Description	The Neil Brown Instrument Systems Mark 5 CTD is used to measure conductivity, temperature, and depth of sea water. The MK5 profiler has a higher sampling rate than the SeaBird SEACAT. (For the GLOBEC Georges Bank project the Mark 5 was instrumented with an expanded suite of sensors and deployed almost exclusively at GLOBEC Standard stations.)

Dataset-specific Instrument Name	CTD Neil Brown Mark III
Generic Instrument Name	CTD Neil Brown Mark III
Generic Instrument Description	The Neil Brown Instrument Systems Mark III Conductivity, Temperature, Depth (CTD) instrument is an integral unit containing pressure, temperature and conductivity sensors with an optional dissolved oxygen sensor in a pressure-hardened casing. Developed in the 1970s, the Neil Brown CTD unit was able to digitize conductivity, temperature and pressure measurements at sufficient speeds to permit oceanographers to study 10 cm features at winch lowering speeds of 30 meters per minute. The most widely used variant in the 1980s and 1990s was the MK3B. The MK3C fitted with an improved pressure sensor to reduce hysteresis was developed to meet the requirements of the WOCE project. The instrument is no longer in production, but is supported (repair and calibration) by General Oceanics.

Dataset-specific Instrument Name	CTD Sea-Bird 911
Generic Instrument Name	CTD Sea-Bird 911
Dataset-specific Description	SBE9/11
Generic Instrument Description	The Sea-Bird SBE 911 is a type of CTD instrument package. The SBE 911 includes the SBE 9 Underwater Unit and the SBE 11 Deck Unit (for real-time readout using conductive wire) for deployment from a vessel. The combination of the SBE 9 and SBE 11 is called a SBE 911. The SBE 9 uses Sea-Bird's standard modular temperature and conductivity sensors (SBE 3 and SBE 4). The SBE 9 CTD can be configured with auxiliary sensors to measure other parameters including dissolved oxygen, pH, turbidity, fluorescence, light (PAR), light transmission, etc.). More information from Sea-Bird Electronics.

Dataset-specific Instrument Name	CTD Sea-Bird SBE 911plus
Generic Instrument Name	CTD Sea-Bird SBE 911plus
Generic Instrument Description	The Sea-Bird SBE 911 plus is a type of CTD instrument package for continuous measurement of conductivity, temperature and pressure. The SBE 911 plus includes the SBE 9plus Underwater Unit and the SBE 11plus Deck Unit (for real-time readout using conductive wire) for deployment from a vessel. The combination of the SBE 9 plus and SBE 11 plus is called a SBE 911 plus. The SBE 9 plus uses Sea-Bird's standard modular temperature and conductivity sensors (SBE 3 plus and SBE 4). The SBE 9 plus CTD can be configured with up to eight auxiliary sensors to measure other parameters including dissolved oxygen, pH, turbidity, fluorescence, light (PAR), light transmission, etc.). more information from Sea-Bird Electronics

Dataset-specific Instrument Name	CTD Sea-Bird SEACAT 19
Generic Instrument Name	CTD Sea-Bird SEACAT 19
Generic Instrument Description	The Sea-Bird SBE 19 SEACAT Recorder measures conductivity, temperature, and pressure (depth). The SEACAT is self-powered and self-contained and can be deployed in profiling or moored mode. The SBE 19 SEACAT was replaced in 2001 by the 19plus. more information from Sea-Bird Electronics

Dataset-specific Instrument Name	Expendable Bathythermograph
Generic Instrument Name	Expendable Bathythermograph
Dataset-specific Description	The XBT was used during the 1970's and 1980's.
Generic Instrument Description	An XBT is an expendable free-fall temperature probe that provides a profile of measured temperature against depth calculated from a fall-rate model. For example, two popular XBT models are the T-5 and T-7 probes from Sippican. More information is available from Lockheed Martin Sippican at URL: http://www.sippican.com/ .

Dataset-specific Instrument Name	Niskin Bottle
Generic Instrument Name	Niskin bottle
Generic Instrument Description	A Niskin bottle (a next generation water sampler based on the Nansen bottle) is a cylindrical, non-metallic water collection device with stoppers at both ends. The bottles can be attached individually on a hydrowire or deployed in 12, 24, or 36 bottle Rosette systems mounted on a frame and combined with a CTD. Niskin bottles are used to collect discrete water samples for a range of measurements including pigments, nutrients, plankton, etc.

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Deployments

EN261

Website	https://www.bco-dmo.org/deployment/57401
Platform	R/V Endeavor
Start Date	1995-02-10
End Date	1995-02-20
Description	broad-scale

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	broad-scale

EN265

Website	https://www.bco-dmo.org/deployment/57405
Platform	R/V Endeavor
Start Date	1995-04-11
End Date	1995-04-22
Description	broad-scale

EN276

Website	https://www.bco-dmo.org/deployment/57413
Platform	R/V Endeavor
Report	http://globec.whoi.edu/globec-dir/reports/en276/EN276.pdf
Start Date	1996-01-10
End Date	1996-01-22
Description	broad-scale

EN278

Website	https://www.bco-dmo.org/deployment/57414
Platform	R/V Endeavor
Start Date	1996-02-13
End Date	1996-02-25
Description	broad-scale

EN282

Website	https://www.bco-dmo.org/deployment/57415
Platform	R/V Endeavor
Start Date	1996-04-08
End Date	1996-04-20
Description	broad-scale

EN320

Website	https://www.bco-dmo.org/deployment/57427
Platform	R/V Endeavor
Report	http://globec.whoi.edu/globec-dir/reports/en320new/en320mda.htm
Start Date	1999-03-10
End Date	1999-03-23
Description	broad-scale

EN395

Website	https://www.bco-dmo.org/deployment/58166
Platform	R/V Endeavor
Start Date	2004-06-25
End Date	2004-08-03
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

OC275

Website	https://www.bco-dmo.org/deployment/57440
Platform	R/V Oceanus
Start Date	1996-03-11
End Date	1996-03-22
Description	broad-scale

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	broad-scale

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	broad-scale

OC301

Website	https://www.bco-dmo.org/deployment/57447
Platform	R/V Oceanus
Report	http://globec.whoi.edu/globec-dir/reports/oc301/oc301.html
Start Date	1997-04-05
End Date	1997-04-17
Description	process fish vital rates

OC302

Website	https://www.bco-dmo.org/deployment/57448
Platform	R/V Oceanus
Report	http://globec.whoi.edu/globec-dir/reports/oc302/oc302.html
Start Date	1997-04-22
End Date	1997-05-02
Description	broad-scale

OC303

Website	https://www.bco-dmo.org/deployment/57449
Platform	R/V Oceanus
Report	http://globec.whoi.edu/globec-dir/reports/oc303/oc303.html
Start Date	1997-05-06
End Date	1997-05-23
Description	process

OC317

Website	https://www.bco-dmo.org/deployment/57451
Platform	R/V Oceanus
Start Date	1998-02-06
End Date	1998-02-19
Description	broad-scale

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	broad-scale

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	broad-scale

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	broad-scale

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	broad-scale

OC384

Website	https://www.bco-dmo.org/deployment/58167
Platform	R/V Oceanus
Start Date	2002-10-24
End Date	2002-11-02
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project. The special focus of this cruise was benthic habitat mapping in the Mid-Atlantic Bight region. Cruise start and end dates were corrected on 2/19/2015 to match the cruise schedule published by the vessel operator. Cruise information and original data are available from the NSF R2R data catalog.

AJ9201

Website	https://www.bco-dmo.org/deployment/58168
Platform	R/V Abel-J
Start Date	1992-08-02
End Date	1992-09-06
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AJ9301

Website	https://www.bco-dmo.org/deployment/58169
Platform	R/V Abel-J
Start Date	1993-08-05
End Date	1993-08-23
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AJ9501

Website	https://www.bco-dmo.org/deployment/58170
Platform	R/V Abel-J
Start Date	1995-07-11
End Date	1995-08-01
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AJ9502

Website	https://www.bco-dmo.org/deployment/58171
Platform	R/V Abel-J
Start Date	1995-08-08
End Date	1995-09-04
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AJ9601

Website	https://www.bco-dmo.org/deployment/58172
Platform	R/V Abel-J
Start Date	1996-06-20
End Date	1996-06-28
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AJ9602

Website	https://www.bco-dmo.org/deployment/58173
Platform	R/V Abel-J
Start Date	1996-07-01
End Date	1996-07-10
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AJ9603

Website	https://www.bco-dmo.org/deployment/58174
Platform	R/V Abel-J
Start Date	1996-07-17
End Date	1996-07-30
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AJ9604

Website	https://www.bco-dmo.org/deployment/58175
Platform	R/V Abel-J
Start Date	1996-08-09
End Date	1996-08-28
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AJ9701

Website	https://www.bco-dmo.org/deployment/58176
Platform	R/V Abel-J
Start Date	1997-08-23
End Date	1997-09-03
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AJ9801

Website	https://www.bco-dmo.org/deployment/58177
Platform	R/V Abel-J
Start Date	1998-07-09
End Date	1998-09-02
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AJ9901

Website	https://www.bco-dmo.org/deployment/58178
Platform	R/V Abel-J
Start Date	1999-06-03
End Date	1999-06-11
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AJ9902

Website	https://www.bco-dmo.org/deployment/58179
Platform	R/V Abel-J
Start Date	1999-07-30
End Date	1999-08-27
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0001

Website	https://www.bco-dmo.org/deployment/58180
Platform	R/V Albatross IV
Start Date	2000-02-10
End Date	2000-02-29
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0002

Website	https://www.bco-dmo.org/deployment/58181
Platform	R/V Albatross IV
Start Date	2000-03-16
End Date	2000-05-03
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0003

Website	https://www.bco-dmo.org/deployment/58182
Platform	R/V Albatross IV
Start Date	2000-06-21
End Date	2000-06-28
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0004

Website	https://www.bco-dmo.org/deployment/58183
Platform	R/V Albatross IV
Start Date	2000-07-07
End Date	2000-08-18
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0005

Website	https://www.bco-dmo.org/deployment/58184
Platform	R/V Albatross IV
Start Date	2000-08-23
End Date	2000-08-29
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0006

Website	https://www.bco-dmo.org/deployment/58185
Platform	R/V Albatross IV
Start Date	2000-09-06
End Date	2000-10-21
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0007

Website	https://www.bco-dmo.org/deployment/58186
Platform	R/V Albatross IV
Start Date	2000-10-31
End Date	2000-11-16
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0102

Website	https://www.bco-dmo.org/deployment/58187
Platform	R/V Albatross IV
Start Date	2001-01-30
End Date	2001-02-23
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0103

Website	https://www.bco-dmo.org/deployment/58188
Platform	R/V Albatross IV
Start Date	2001-02-28
End Date	2001-04-30
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0106

Website	https://www.bco-dmo.org/deployment/58189
Platform	R/V Albatross IV
Start Date	2001-05-20
End Date	2001-05-25
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0107

Website	https://www.bco-dmo.org/deployment/58190
Platform	R/V Albatross IV
Start Date	2001-06-28
End Date	2001-08-16
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0108

Website	https://www.bco-dmo.org/deployment/58191
Platform	R/V Albatross IV
Start Date	2001-07-24
End Date	2001-08-03
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0109

Website	https://www.bco-dmo.org/deployment/57657
Platform	R/V Albatross IV
Report	http://www.nefsc.noaa.gov/nefsc/publications/crd/crd0208/#tbls
Start Date	2001-08-21
End Date	2001-08-28
Description	NOAA EcoMon survey (Ecosystems Monitoring) cruise

AL0110

Website	https://www.bco-dmo.org/deployment/58192
Platform	R/V Albatross IV
Start Date	2001-09-05
End Date	2001-10-22
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0111

Website	https://www.bco-dmo.org/deployment/57658
Platform	R/V Albatross IV
Report	http://www.nefsc.noaa.gov/nefsc/publications/crd/crd0208/#tbls
Start Date	2001-10-30
End Date	2001-11-16
Description	NOAA EcoMon survey (Ecosystems Monitoring) cruise

AL0202

Website	https://www.bco-dmo.org/deployment/57659
Platform	R/V Albatross IV
Report	http://www.nefsc.noaa.gov/nefsc/publications/crd/crd0305/#tbl
Start Date	2002-01-23
End Date	2002-01-30
Description	NOAA EcoMon survey (Ecosystems Monitoring) cruise

AL0203

Website	https://www.bco-dmo.org/deployment/58193
Platform	R/V Albatross IV
Start Date	2002-02-07
End Date	2002-03-02
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0204

Website	https://www.bco-dmo.org/deployment/58194
Platform	R/V Albatross IV
Start Date	2002-03-06
End Date	2002-04-25
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0206

Website	https://www.bco-dmo.org/deployment/57660
Platform	R/V Albatross IV
Report	http://www.nefsc.noaa.gov/nefsc/publications/crd/crd0305/#tbl
Start Date	2002-05-23
End Date	2002-06-06
Description	NOAA EcoMon survey (Ecosystems Monitoring) cruise

AL0208

Website	https://www.bco-dmo.org/deployment/58195
Platform	R/V Albatross IV
Start Date	2002-07-18
End Date	2002-08-15
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0209

Website	https://www.bco-dmo.org/deployment/58196
Platform	R/V Albatross IV
Start Date	2002-08-21
End Date	2002-08-29
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0210

Website	https://www.bco-dmo.org/deployment/58197
Platform	R/V Albatross IV
Start Date	2002-09-04
End Date	2002-10-25
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0301

Website	https://www.bco-dmo.org/deployment/58198
Platform	R/V Albatross IV
Start Date	2003-07-02
End Date	2003-09-05
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0305

Website	https://www.bco-dmo.org/deployment/58199
Platform	R/V Albatross IV
Start Date	2003-09-08
End Date	2003-11-01
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0306

Website	https://www.bco-dmo.org/deployment/57665
Platform	R/V Albatross IV
Report	http://www.nefsc.noaa.gov/nefsc/publications/crd/crd0412/#tab
Start Date	2003-11-03
End Date	2003-11-12
Description	Ecosystem Monitoring Survey cruise

AL0401

Website	https://www.bco-dmo.org/deployment/57666
Platform	R/V Albatross IV
Report	http://www.nefsc.noaa.gov/nefsc/publications/crd/crd0503/#tab
Start Date	2004-01-25
End Date	2004-01-27
Description	NOAA EcoMon survey (Ecosystems Monitoring) cruise

AL0402

Website	https://www.bco-dmo.org/deployment/58200
Platform	R/V Albatross IV
Start Date	2004-02-05
End Date	2004-02-28
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0403

Website	https://www.bco-dmo.org/deployment/58201
Platform	R/V Albatross IV
Start Date	2004-03-03
End Date	2004-04-22
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0404

Website	https://www.bco-dmo.org/deployment/58202
Platform	R/V Albatross IV
Start Date	2004-04-29
End Date	2004-05-19
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0405

Website	https://www.bco-dmo.org/deployment/57667
Platform	R/V Albatross IV
Report	http://www.nefsc.noaa.gov/nefsc/publications/crd/crd0503/#tab
Start Date	2004-05-25
End Date	2004-06-08
Description	NOAA EcoMon survey (Ecosystems Monitoring) cruise

AL0406

Website	https://www.bco-dmo.org/deployment/58203
Platform	R/V Albatross IV
Start Date	2004-07-07
End Date	2004-08-05
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0408

Website	https://www.bco-dmo.org/deployment/57668
Platform	R/V Albatross IV
Report	http://www.nefsc.noaa.gov/nefsc/publications/crd/crd0503/#tab
Start Date	2004-08-17
End Date	2004-08-31
Description	NOAA EcoMon (Ecosystems Monitoring) cruise

AL0409

Website	https://www.bco-dmo.org/deployment/58204
Platform	R/V Albatross IV
Start Date	2004-09-11
End Date	2004-10-27
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0410

Website	https://www.bco-dmo.org/deployment/57669
Platform	R/V Albatross IV
Report	http://www.nefsc.noaa.gov/nefsc/publications/crd/crd0503/#tab
Start Date	2004-11-02
End Date	2004-11-18
Description	NOAA EcoMon (Ecosystems Monitoring) cruise

AL0501

Website	https://www.bco-dmo.org/deployment/58205
Platform	R/V Albatross IV
Start Date	2005-01-19
End Date	2005-01-26
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0502

Website	https://www.bco-dmo.org/deployment/58206
Platform	R/V Albatross IV
Start Date	2005-02-01
End Date	2005-02-25
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0503

Website	https://www.bco-dmo.org/deployment/58207
Platform	R/V Albatross IV
Start Date	2005-03-04
End Date	2005-04-21
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0504

Website	https://www.bco-dmo.org/deployment/58208
Platform	R/V Albatross IV
Start Date	2005-04-29
End Date	2005-05-17
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0505

Website	https://www.bco-dmo.org/deployment/57671
Platform	R/V Albatross IV
Start Date	2005-05-22
End Date	2005-06-07

AL0506

Website	https://www.bco-dmo.org/deployment/58209
Platform	R/V Albatross IV
Start Date	2005-07-13
End Date	2005-08-12
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0507

Website	https://www.bco-dmo.org/deployment/57672
Platform	R/V Albatross IV
Start Date	2005-08-12
End Date	2005-08-24

AL0508

Website	https://www.bco-dmo.org/deployment/58210
Platform	R/V Albatross IV
Start Date	2005-09-07
End Date	2005-11-04
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0509

Website	https://www.bco-dmo.org/deployment/57673
Platform	R/V Albatross IV
Start Date	2005-11-03
End Date	2005-11-17

AL0602

Website	https://www.bco-dmo.org/deployment/58211
Platform	R/V Albatross IV
Start Date	2006-02-08
End Date	2006-03-02
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0603

Website	https://www.bco-dmo.org/deployment/58212
Platform	R/V Albatross IV
Start Date	2006-03-08
End Date	2006-04-19
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0604

Website	https://www.bco-dmo.org/deployment/58213
Platform	R/V Albatross IV
Start Date	2006-05-05
End Date	2006-05-26
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0605

Website	https://www.bco-dmo.org/deployment/57675
Platform	R/V Albatross IV
Start Date	2006-06-07
End Date	2006-06-14
Description	NOAA EcoMon (Ecosystems Monitoring) cruise collecting zooplankton for CMarZ

AL0606

Website	https://www.bco-dmo.org/deployment/58214
Platform	R/V Albatross IV
Start Date	2006-07-14
End Date	2006-08-11
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0607

Website	https://www.bco-dmo.org/deployment/57676
Platform	R/V Albatross IV
Start Date	2006-08-16
End Date	2006-08-30
Description	NOAA EcoMon (Ecosystems Monitoring) cruise collecting zooplankton for CMarZ

AL0608

Website	https://www.bco-dmo.org/deployment/58215
Platform	R/V Albatross IV
Start Date	2006-09-06
End Date	2006-10-26
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0701

Website	https://www.bco-dmo.org/deployment/58216
Platform	R/V Albatross IV
Start Date	2007-01-17
End Date	2007-01-25
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0702

Website	https://www.bco-dmo.org/deployment/58217
Platform	R/V Albatross IV
Start Date	2007-02-07
End Date	2007-03-02
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0703

Website	https://www.bco-dmo.org/deployment/58218
Platform	R/V Albatross IV
Start Date	2007-03-08
End Date	2007-04-28
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0705

Website	https://www.bco-dmo.org/deployment/58219
Platform	R/V Albatross IV
Start Date	2007-07-11
End Date	2007-08-15
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0707

Website	https://www.bco-dmo.org/deployment/58220
Platform	R/V Albatross IV
Start Date	2007-09-06
End Date	2007-11-01
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0708

Website	https://www.bco-dmo.org/deployment/58221
Platform	R/V Albatross IV
Start Date	2007-11-01
End Date	2007-11-15
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0801

Website	https://www.bco-dmo.org/deployment/58222
Platform	R/V Albatross IV
Start Date	2008-03-07
End Date	2008-05-03
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0802

Website	https://www.bco-dmo.org/deployment/58223
Platform	R/V Albatross IV
Start Date	2008-05-15
End Date	2008-05-15
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL0803

Website	https://www.bco-dmo.org/deployment/58224
Platform	R/V Albatross IV
Start Date	2008-09-03
End Date	2008-11-14
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL7807

Website	https://www.bco-dmo.org/deployment/58225
Platform	R/V Albatross IV
Start Date	1978-06-24
End Date	1978-07-16
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL7906

Website	https://www.bco-dmo.org/deployment/58226
Platform	R/V Albatross IV
Start Date	1979-06-17
End Date	1979-07-12
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL7911

Website	https://www.bco-dmo.org/deployment/58227
Platform	R/V Albatross IV
Start Date	1979-10-03
End Date	1979-10-29
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL7913

Website	https://www.bco-dmo.org/deployment/58228
Platform	R/V Albatross IV
Start Date	1979-11-15
End Date	1979-12-20
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL8002

Website	https://www.bco-dmo.org/deployment/58229
Platform	R/V Albatross IV
Start Date	1980-02-27
End Date	1980-03-25
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL8010

Website	https://www.bco-dmo.org/deployment/58230
Platform	R/V Albatross IV
Start Date	1980-09-26
End Date	1980-10-30
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL8012

Website	https://www.bco-dmo.org/deployment/58231
Platform	R/V Albatross IV
Start Date	1980-11-19
End Date	1980-12-21
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL8101

Website	https://www.bco-dmo.org/deployment/58232
Platform	R/V Albatross IV
Start Date	1981-02-18
End Date	1981-03-07
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL8111

Website	https://www.bco-dmo.org/deployment/58233
Platform	R/V Albatross IV
Start Date	1981-09-24
End Date	1981-10-04
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL8114

Website	https://www.bco-dmo.org/deployment/58234
Platform	R/V Albatross IV
Start Date	1981-11-18
End Date	1981-12-21
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL8202

Website	https://www.bco-dmo.org/deployment/58235
Platform	R/V Albatross IV
Start Date	1982-02-17
End Date	1982-03-23
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL8204

Website	https://www.bco-dmo.org/deployment/58236
Platform	R/V Albatross IV
Start Date	1982-04-22
End Date	1982-05-04
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL8207

Website	https://www.bco-dmo.org/deployment/58237
Platform	R/V Albatross IV
Start Date	1982-06-21
End Date	1982-07-02
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL8209

Website	https://www.bco-dmo.org/deployment/58238
Platform	R/V Albatross IV
Start Date	1982-08-12
End Date	1982-08-19
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL8304

Website	https://www.bco-dmo.org/deployment/58239
Platform	R/V Albatross IV
Start Date	1983-05-26
End Date	1983-06-21
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL8403

Website	https://www.bco-dmo.org/deployment/58240
Platform	R/V Albatross IV
Start Date	1984-05-09
End Date	1984-06-03
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL8504

Website	https://www.bco-dmo.org/deployment/58241
Platform	R/V Albatross IV
Start Date	1985-05-09
End Date	1985-06-04
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL8606

Website	https://www.bco-dmo.org/deployment/58242
Platform	R/V Albatross IV
Start Date	1986-11-16
End Date	1986-11-19
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL8702

Website	https://www.bco-dmo.org/deployment/58243
Platform	R/V Albatross IV
Start Date	1987-05-10
End Date	1987-05-11
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL8703

Website	https://www.bco-dmo.org/deployment/58244
Platform	R/V Albatross IV
Start Date	1987-05-13
End Date	1987-05-20
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL8706

Website	https://www.bco-dmo.org/deployment/58245
Platform	R/V Albatross IV
Start Date	1987-08-18
End Date	1987-08-26
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL8803

Website	https://www.bco-dmo.org/deployment/58246
Platform	R/V Albatross IV
Start Date	1988-05-04
End Date	1988-05-06
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL8810

Website	https://www.bco-dmo.org/deployment/58247
Platform	R/V Albatross IV
Start Date	1988-11-16
End Date	1988-11-17
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL8811

Website	https://www.bco-dmo.org/deployment/58248
Platform	R/V Albatross IV
Start Date	1988-11-30
End Date	1988-12-09
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9202

Website	https://www.bco-dmo.org/deployment/58249
Platform	R/V Albatross IV
Start Date	1992-02-12
End Date	1992-02-19
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9203

Website	https://www.bco-dmo.org/deployment/58250
Platform	R/V Albatross IV
Start Date	1992-03-03
End Date	1992-04-16
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9204

Website	https://www.bco-dmo.org/deployment/58251
Platform	R/V Albatross IV
Start Date	1992-04-28
End Date	1992-05-08
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9205

Website	https://www.bco-dmo.org/deployment/57365
Platform	R/V Albatross IV
Report	http://globec.who.edu/globec-dir/reports/al9205/AL9205DataReport.pdf
Start Date	1992-05-18
End Date	1992-05-29
Description	process

AL9211

Website	https://www.bco-dmo.org/deployment/58252
Platform	R/V Albatross IV
Start Date	1992-09-09
End Date	1992-10-28
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9303

Website	https://www.bco-dmo.org/deployment/58253
Platform	R/V Albatross IV
Start Date	1993-02-04
End Date	1993-02-26
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9304

Website	https://www.bco-dmo.org/deployment/58254
Platform	R/V Albatross IV
Start Date	1993-03-09
End Date	1993-04-30
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9305

Website	https://www.bco-dmo.org/deployment/58255
Platform	R/V Albatross IV
Start Date	1993-05-08
End Date	1993-05-13
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9306

Website	https://www.bco-dmo.org/deployment/57366
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9306/AL9306DataReport.pdf
Start Date	1993-05-18
End Date	1993-05-29
Description	process

AL9403

Website	https://www.bco-dmo.org/deployment/58256
Platform	R/V Albatross IV
Start Date	1994-05-04
End Date	1994-05-28
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project. In reality, there were two legs, each with a different chief scientist. This cruise id is somewhat arbitrary to accomodate three datasets that didn't say which of the two legs they were part of, or were part of both. See deployments AL9403I and AL9403II.

AL9404

Website	https://www.bco-dmo.org/deployment/57369
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9404/AL9404.htm
Start Date	1994-05-31
End Date	1994-06-10
Description	broad-scale

AL9405

Website	https://www.bco-dmo.org/deployment/58257
Platform	R/V Albatross IV
Start Date	1994-06-23
End Date	1994-07-18
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9406

Website	https://www.bco-dmo.org/deployment/58258
Platform	R/V Albatross IV
Start Date	1994-07-27
End Date	1994-08-04
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9407

Website	https://www.bco-dmo.org/deployment/58259
Platform	R/V Albatross IV
Start Date	1994-08-23
End Date	1994-09-01
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9409

Website	https://www.bco-dmo.org/deployment/58260
Platform	R/V Albatross IV
Start Date	1994-09-07
End Date	1994-10-27
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9410

Website	https://www.bco-dmo.org/deployment/57370
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9410/AL9410.pdf
Start Date	1994-11-08
End Date	1994-11-18
Description	broad-scale

AL9501

Website	https://www.bco-dmo.org/deployment/58261
Platform	R/V Albatross IV
Start Date	1995-01-09
End Date	1995-01-15
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9502

Website	https://www.bco-dmo.org/deployment/58262
Platform	R/V Albatross IV
Start Date	1995-01-25
End Date	1995-02-02
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9503

Website	https://www.bco-dmo.org/deployment/58263
Platform	R/V Albatross IV
Start Date	1995-02-08
End Date	1995-03-02
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9504

Website	https://www.bco-dmo.org/deployment/58264
Platform	R/V Albatross IV
Start Date	1995-03-07
End Date	1995-04-26
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

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	broad-scale

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	broad-scale

AL9507

Website	https://www.bco-dmo.org/deployment/58265
Platform	R/V Albatross IV
Start Date	1995-06-20
End Date	1995-06-30
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

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	broad-scale

AL9509

Website	https://www.bco-dmo.org/deployment/58266
Platform	R/V Albatross IV
Start Date	1995-07-25
End Date	1995-08-05
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9510

Website	https://www.bco-dmo.org/deployment/58267
Platform	R/V Albatross IV
Start Date	1995-08-15
End Date	1995-08-25
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9512

Website	https://www.bco-dmo.org/deployment/58268
Platform	R/V Albatross IV
Start Date	1995-09-06
End Date	1995-10-24
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9601

Website	https://www.bco-dmo.org/deployment/58269
Platform	R/V Albatross IV
Start Date	1996-01-23
End Date	1996-01-26
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9602

Website	https://www.bco-dmo.org/deployment/58270
Platform	R/V Albatross IV
Start Date	1996-01-30
End Date	1996-01-31
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9603

Website	https://www.bco-dmo.org/deployment/58271
Platform	R/V Albatross IV
Start Date	1996-02-06
End Date	1996-02-28
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9604

Website	https://www.bco-dmo.org/deployment/58272
Platform	R/V Albatross IV
Start Date	1996-03-06
End Date	1996-04-29
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

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	broad-scale

AL9606

Website	https://www.bco-dmo.org/deployment/58273
Platform	R/V Albatross IV
Start Date	1996-05-21
End Date	1996-05-30
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

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	broad-scale

AL9608

Website	https://www.bco-dmo.org/deployment/58274
Platform	R/V Albatross IV
Start Date	1996-06-18
End Date	1996-06-25
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9609

Website	https://www.bco-dmo.org/deployment/58275
Platform	R/V Albatross IV
Start Date	1996-07-31
End Date	1996-08-26
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9610

Website	https://www.bco-dmo.org/deployment/58276
Platform	R/V Albatross IV
Start Date	1996-08-29
End Date	1996-09-05
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9611

Website	https://www.bco-dmo.org/deployment/58277
Platform	R/V Albatross IV
Start Date	1996-09-10
End Date	1996-10-31
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9612

Website	https://www.bco-dmo.org/deployment/57377
Platform	R/V Albatross IV
Report	http://globec.who.edu/globec-dir/reports/al9612/al9612c.html
Start Date	1996-11-04
End Date	1996-11-08
Description	process

AL9701

Website	https://www.bco-dmo.org/deployment/57378
Platform	R/V Albatross IV
Report	http://globec.who.edu/globec-dir/reports/al9701/cra19701.htm
Start Date	1997-01-13
End Date	1997-01-20
Description	broad-scale

AL9702

Website	https://www.bco-dmo.org/deployment/58278
Platform	R/V Albatross IV
Start Date	1997-01-28
End Date	1997-01-31
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9703

Website	https://www.bco-dmo.org/deployment/58279
Platform	R/V Albatross IV
Start Date	1997-02-04
End Date	1997-02-26
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9704

Website	https://www.bco-dmo.org/deployment/58280
Platform	R/V Albatross IV
Start Date	1997-03-04
End Date	1997-04-23
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9705

Website	https://www.bco-dmo.org/deployment/57379
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9705/al9705.html
Start Date	1997-05-19
End Date	1997-05-27
Description	broad-scale

AL9707

Website	https://www.bco-dmo.org/deployment/57380
Platform	R/V Albatross IV
Report	http://globec.whoi.edu/globec-dir/reports/al9707/al9707.html
Start Date	1997-06-18
End Date	1997-06-28
Description	broad-scale

AL9708

Website	https://www.bco-dmo.org/deployment/58281
Platform	R/V Albatross IV
Start Date	1997-07-08
End Date	1997-07-15
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9709

Website	https://www.bco-dmo.org/deployment/58282
Platform	R/V Albatross IV
Start Date	1997-07-22
End Date	1997-08-17
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9711

Website	https://www.bco-dmo.org/deployment/58283
Platform	R/V Albatross IV
Start Date	1997-09-09
End Date	1997-10-30
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9801

Website	https://www.bco-dmo.org/deployment/57382
Platform	R/V Albatross IV
Report	http://globec.who.edu/globec-dir/reports/al9801/al9801.html
Start Date	1998-01-07
End Date	1998-01-19
Description	broad-scale

AL9802

Website	https://www.bco-dmo.org/deployment/58284
Platform	R/V Albatross IV
Start Date	1998-01-25
End Date	1998-01-28
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9803

Website	https://www.bco-dmo.org/deployment/58285
Platform	R/V Albatross IV
Start Date	1998-02-08
End Date	1998-02-27
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9804

Website	https://www.bco-dmo.org/deployment/58286
Platform	R/V Albatross IV
Start Date	1998-03-03
End Date	1998-04-20
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9806

Website	https://www.bco-dmo.org/deployment/57384
Platform	R/V Albatross IV
Report	http://globec.who.edu/globec-dir/reports/al9806/al9806.html
Start Date	1998-05-13
End Date	1998-05-22
Description	broad-scale

AL9807

Website	https://www.bco-dmo.org/deployment/58287
Platform	R/V Albatross IV
Start Date	1998-05-27
End Date	1998-06-11
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9808

Website	https://www.bco-dmo.org/deployment/57385
Platform	R/V Albatross IV
Report	http://globec.who.edu/globec-dir/reports/al9808/al9808.html
Start Date	1998-06-16
End Date	1998-06-26
Description	broad-scale

AL9809

Website	https://www.bco-dmo.org/deployment/58288
Platform	R/V Albatross IV
Start Date	1998-07-22
End Date	1998-08-16
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9811

Website	https://www.bco-dmo.org/deployment/58289
Platform	R/V Albatross IV
Start Date	1998-09-22
End Date	1998-11-10
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

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	broad-scale

AL9902

Website	https://www.bco-dmo.org/deployment/58290
Platform	R/V Albatross IV
Start Date	1999-02-02
End Date	1999-02-24
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9903

Website	https://www.bco-dmo.org/deployment/58291
Platform	R/V Albatross IV
Start Date	1999-03-03
End Date	1999-03-30
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

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	broad-scale

AL9905

Website	https://www.bco-dmo.org/deployment/58292
Platform	R/V Albatross IV
Start Date	1999-06-02
End Date	1999-06-10
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

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	broad-scale

AL9907

Website	https://www.bco-dmo.org/deployment/58293
Platform	R/V Albatross IV
Start Date	1999-06-30
End Date	1999-07-01
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9908

Website	https://www.bco-dmo.org/deployment/58294
Platform	R/V Albatross IV
Start Date	1999-07-07
End Date	1999-07-10
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9909

Website	https://www.bco-dmo.org/deployment/58295
Platform	R/V Albatross IV
Start Date	1999-07-17
End Date	1999-08-06
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9910

Website	https://www.bco-dmo.org/deployment/58296
Platform	R/V Albatross IV
Start Date	1999-09-21
End Date	1999-11-10
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AL9911

Website	https://www.bco-dmo.org/deployment/58297
Platform	R/V Albatross IV
Start Date	1999-11-14
End Date	1999-11-22
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AM0301

Website	https://www.bco-dmo.org/deployment/58298
Platform	R/V Argo M
Start Date	2003-08-20
End Date	2003-08-28
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AM9103

Website	https://www.bco-dmo.org/deployment/58299
Platform	R/V Argo M
Start Date	1991-10-04
End Date	1991-10-10
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AR7701

Website	https://www.bco-dmo.org/deployment/58300
Platform	R/V Argus
Start Date	1977-10-18
End Date	1977-11-09
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

AR7804

Website	https://www.bco-dmo.org/deployment/58301
Platform	R/V Argus
Start Date	1978-04-18
End Date	1978-05-19
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

BE7801

Website	https://www.bco-dmo.org/deployment/58302
Platform	R/V Belogorsk
Start Date	1978-08-12
End Date	1978-09-04
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

BE7803

Website	https://www.bco-dmo.org/deployment/58303
Platform	R/V Belogorsk
Start Date	1978-10-06
End Date	1978-10-22
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

BE7804

Website	https://www.bco-dmo.org/deployment/58304
Platform	R/V Belogorsk
Start Date	1978-11-16
End Date	1978-11-17
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

BE7901

Website	https://www.bco-dmo.org/deployment/58305
Platform	R/V Belogorsk
Start Date	1979-08-12
End Date	1979-09-02
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0006

Website	https://www.bco-dmo.org/deployment/58306
Platform	R/V Delaware II
Start Date	2000-05-23
End Date	2000-06-08
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0007

Website	https://www.bco-dmo.org/deployment/58307
Platform	R/V Delaware II
Start Date	2000-07-09
End Date	2000-08-29
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0008

Website	https://www.bco-dmo.org/deployment/58308
Platform	R/V Delaware II
Start Date	2000-09-13
End Date	2000-10-09
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0010

Website	https://www.bco-dmo.org/deployment/58309
Platform	R/V Delaware II
Start Date	2000-11-03
End Date	2000-11-14
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0101

Website	https://www.bco-dmo.org/deployment/58310
Platform	R/V Delaware II
Start Date	2001-02-08
End Date	2001-02-21
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0104

Website	https://www.bco-dmo.org/deployment/58311
Platform	R/V Delaware II
Start Date	2001-04-17
End Date	2001-05-24
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0105

Website	https://www.bco-dmo.org/deployment/58312
Platform	R/V Delaware II
Start Date	2001-05-30
End Date	2001-06-06
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0106

Website	https://www.bco-dmo.org/deployment/58313
Platform	R/V Delaware II
Start Date	2001-06-13
End Date	2001-06-21
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0107

Website	https://www.bco-dmo.org/deployment/58314
Platform	R/V Delaware II
Start Date	2001-07-19
End Date	2001-08-02
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0108

Website	https://www.bco-dmo.org/deployment/58315
Platform	R/V Delaware II
Start Date	2001-08-08
End Date	2001-08-30
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0109

Website	https://www.bco-dmo.org/deployment/58316
Platform	R/V Delaware II
Start Date	2001-09-06
End Date	2001-10-10
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0201

Website	https://www.bco-dmo.org/deployment/58317
Platform	R/V Delaware II
Start Date	2002-02-22
End Date	2002-03-07
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0208

Website	https://www.bco-dmo.org/deployment/58318
Platform	R/V Delaware II
Start Date	2002-09-05
End Date	2002-10-10
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0210

Website	https://www.bco-dmo.org/deployment/57661
Platform	R/V Delaware II
Report	http://www.nefsc.noaa.gov/nefsc/publications/crd/crd0305/#tbl
Start Date	2002-10-29
End Date	2002-11-14
Description	NOAA EcoMon survey (Ecosystems Monitoring) cruise

DE0301

Website	https://www.bco-dmo.org/deployment/57662
Platform	R/V Delaware II
Report	http://www.nefsc.noaa.gov/nefsc/publications/crd/crd0412/#tab
Start Date	2003-01-23
End Date	2003-01-31
Description	NOAA EcoMon survey (Ecosystems Monitoring) cruise

DE0302

Website	https://www.bco-dmo.org/deployment/58319
Platform	R/V Delaware II
Start Date	2003-02-06
End Date	2003-03-01
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0303

Website	https://www.bco-dmo.org/deployment/58320
Platform	R/V Delaware II
Start Date	2003-03-06
End Date	2003-04-27
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0305

Website	https://www.bco-dmo.org/deployment/57663
Platform	R/V Delaware II
Report	http://www.nefsc.noaa.gov/nefsc/publications/crd/crd0412/
Start Date	2003-05-24
End Date	2003-05-29
Description	NOAA EcoMon survey (Ecosystems Monitoring) cruise

DE0308

Website	https://www.bco-dmo.org/deployment/58321
Platform	R/V Delaware II
Start Date	2003-09-04
End Date	2003-10-10
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0310

Website	https://www.bco-dmo.org/deployment/58322
Platform	R/V Delaware II
Start Date	2003-10-29
End Date	2003-11-06
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0404

Website	https://www.bco-dmo.org/deployment/58323
Platform	R/V Delaware II
Start Date	2004-03-02
End Date	2004-03-10
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0405

Website	https://www.bco-dmo.org/deployment/58324
Platform	R/V Delaware II
Start Date	2004-03-23
End Date	2004-03-25
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0412

Website	https://www.bco-dmo.org/deployment/58325
Platform	R/V Delaware II
Start Date	2004-08-25
End Date	2004-08-30
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0413

Website	https://www.bco-dmo.org/deployment/58326
Platform	R/V Delaware II
Start Date	2004-09-09
End Date	2004-10-11
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0415

Website	https://www.bco-dmo.org/deployment/58327
Platform	R/V Delaware II
Start Date	2004-11-02
End Date	2004-11-11
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0501

Website	https://www.bco-dmo.org/deployment/57670
Platform	R/V Delaware II
Start Date	2005-01-26
End Date	2005-02-03
Description	NOAA EcoMon (Ecosystems Monitoring) cruise collecting zooplankton

DE0505

Website	https://www.bco-dmo.org/deployment/58328
Platform	R/V Delaware II
Start Date	2005-03-26
End Date	2005-04-01
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0510

Website	https://www.bco-dmo.org/deployment/58329
Platform	R/V Delaware II
Start Date	2005-07-29
End Date	2005-08-16
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0511

Website	https://www.bco-dmo.org/deployment/58330
Platform	R/V Delaware II
Start Date	2005-08-24
End Date	2005-08-31
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0512

Website	https://www.bco-dmo.org/deployment/58331
Platform	R/V Delaware II
Start Date	2005-09-08
End Date	2005-10-08
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0514

Website	https://www.bco-dmo.org/deployment/58332
Platform	R/V Delaware II
Start Date	2005-11-01
End Date	2005-11-09
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0601

Website	https://www.bco-dmo.org/deployment/58333
Platform	R/V Delaware II
Start Date	2006-01-17
End Date	2006-01-19
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0602

Website	https://www.bco-dmo.org/deployment/57674
Platform	R/V Delaware II
Start Date	2006-01-24
End Date	2006-02-05
Description	NOAA EcoMon (Ecosystems Monitoring) cruise collecting zooplankton

DE0604

Website	https://www.bco-dmo.org/deployment/58334
Platform	R/V Delaware II
Start Date	2006-04-23
End Date	2006-04-25
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0613

Website	https://www.bco-dmo.org/deployment/58335
Platform	R/V Delaware II
Start Date	2006-08-13
End Date	2006-08-15
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0615

Website	https://www.bco-dmo.org/deployment/58336
Platform	R/V Delaware II
Start Date	2006-09-11
End Date	2006-10-12
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0616

Website	https://www.bco-dmo.org/deployment/58337
Platform	R/V Delaware II
Start Date	2006-11-05
End Date	2006-11-16
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0701

Website	https://www.bco-dmo.org/deployment/58338
Platform	R/V Delaware II
Start Date	2007-01-31
End Date	2007-02-07
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0702

Website	https://www.bco-dmo.org/deployment/58339
Platform	R/V Delaware II
Start Date	2007-03-08
End Date	2007-03-11
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0705

Website	https://www.bco-dmo.org/deployment/58340
Platform	R/V Delaware II
Start Date	2007-04-18
End Date	2007-05-05
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0706

Website	https://www.bco-dmo.org/deployment/58341
Platform	R/V Delaware II
Start Date	2007-05-23
End Date	2007-06-05
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0707

Website	https://www.bco-dmo.org/deployment/58342
Platform	R/V Delaware II
Start Date	2007-07-05
End Date	2007-07-12
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0708

Website	https://www.bco-dmo.org/deployment/58343
Platform	R/V Delaware II
Start Date	2007-07-27
End Date	2007-07-28
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0709

Website	https://www.bco-dmo.org/deployment/58344
Platform	R/V Delaware II
Start Date	2007-08-15
End Date	2007-08-29
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0710

Website	https://www.bco-dmo.org/deployment/58345
Platform	R/V Delaware II
Start Date	2007-09-08
End Date	2007-10-26
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0711

Website	https://www.bco-dmo.org/deployment/58346
Platform	R/V Delaware II
Start Date	2007-10-30
End Date	2007-11-16
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0801

Website	https://www.bco-dmo.org/deployment/58347
Platform	R/V Delaware II
Start Date	2008-01-11
End Date	2008-01-17
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0802

Website	https://www.bco-dmo.org/deployment/58348
Platform	R/V Delaware II
Start Date	2008-01-23
End Date	2008-02-07
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0803

Website	https://www.bco-dmo.org/deployment/58349
Platform	R/V Delaware II
Start Date	2008-02-17
End Date	2008-03-08
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0806

Website	https://www.bco-dmo.org/deployment/58350
Platform	R/V Delaware II
Start Date	2008-05-06
End Date	2008-05-06
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0808

Website	https://www.bco-dmo.org/deployment/58351
Platform	R/V Delaware II
Start Date	2008-08-14
End Date	2008-08-27
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0809

Website	https://www.bco-dmo.org/deployment/58352
Platform	R/V Delaware II
Start Date	2008-09-05
End Date	2008-10-09
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0810

Website	https://www.bco-dmo.org/deployment/58353
Platform	R/V Delaware II
Start Date	2008-10-23
End Date	2008-11-10
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0901

Website	https://www.bco-dmo.org/deployment/58354
Platform	R/V Delaware II
Start Date	2009-01-15
End Date	2009-01-21
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0902

Website	https://www.bco-dmo.org/deployment/58355
Platform	R/V Delaware II
Start Date	2009-01-27
End Date	2009-01-27
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0907

Website	https://www.bco-dmo.org/deployment/58356
Platform	R/V Delaware II
Start Date	2009-07-15
End Date	2009-07-28
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0908

Website	https://www.bco-dmo.org/deployment/58357
Platform	R/V Delaware II
Start Date	2009-08-05
End Date	2009-08-13
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0909

Website	https://www.bco-dmo.org/deployment/58358
Platform	R/V Delaware II
Start Date	2009-08-18
End Date	2009-08-28
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE0911

Website	https://www.bco-dmo.org/deployment/58359
Platform	R/V Delaware II
Start Date	2009-11-03
End Date	2009-11-20
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE7802

Website	https://www.bco-dmo.org/deployment/58360
Platform	R/V Delaware II
Start Date	1978-02-16
End Date	1978-03-17
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE7903

Website	https://www.bco-dmo.org/deployment/58361
Platform	R/V Delaware II
Start Date	1979-02-25
End Date	1979-03-10
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE7905

Website	https://www.bco-dmo.org/deployment/58362
Platform	R/V Delaware II
Start Date	1979-05-06
End Date	1979-05-29
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE8003

Website	https://www.bco-dmo.org/deployment/58363
Platform	R/V Delaware II
Start Date	1980-05-23
End Date	1980-06-12
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE8103

Website	https://www.bco-dmo.org/deployment/58364
Platform	R/V Delaware II
Start Date	1981-05-21
End Date	1981-06-17
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE8203

Website	https://www.bco-dmo.org/deployment/58365
Platform	R/V Delaware II
Start Date	1982-05-18
End Date	1982-06-11
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE8206

Website	https://www.bco-dmo.org/deployment/58366
Platform	R/V Delaware II
Start Date	1982-09-23
End Date	1982-09-28
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE8209

Website	https://www.bco-dmo.org/deployment/58367
Platform	R/V Delaware II
Start Date	1982-11-17
End Date	1982-11-17
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE8301

Website	https://www.bco-dmo.org/deployment/58368
Platform	R/V Delaware II
Start Date	1983-02-10
End Date	1983-02-04
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE8309

Website	https://www.bco-dmo.org/deployment/58369
Platform	R/V Delaware II
Start Date	1983-11-16
End Date	1983-12-20
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE8401

Website	https://www.bco-dmo.org/deployment/58370
Platform	R/V Delaware II
Start Date	1984-01-10
End Date	1984-02-08
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE8409

Website	https://www.bco-dmo.org/deployment/58371
Platform	R/V Delaware II
Start Date	1984-11-01
End Date	1984-11-20
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE8501

Website	https://www.bco-dmo.org/deployment/58372
Platform	R/V Delaware II
Start Date	1985-01-08
End Date	1985-02-07
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE8503

Website	https://www.bco-dmo.org/deployment/58373
Platform	R/V Delaware II
Start Date	1985-04-02
End Date	1985-04-30
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE8507

Website	https://www.bco-dmo.org/deployment/58374
Platform	R/V Delaware II
Start Date	1985-08-29
End Date	1985-09-22
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE8510

Website	https://www.bco-dmo.org/deployment/58375
Platform	R/V Delaware II
Start Date	1985-11-08
End Date	1985-12-12
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE8601

Website	https://www.bco-dmo.org/deployment/58376
Platform	R/V Delaware II
Start Date	1986-01-10
End Date	1986-02-13
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE8603

Website	https://www.bco-dmo.org/deployment/58377
Platform	R/V Delaware II
Start Date	1986-05-08
End Date	1986-06-06
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE8607

Website	https://www.bco-dmo.org/deployment/58378
Platform	R/V Delaware II
Start Date	1986-08-28
End Date	1986-09-24
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE8610

Website	https://www.bco-dmo.org/deployment/58379
Platform	R/V Delaware II
Start Date	1986-11-05
End Date	1986-12-12
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE8701

Website	https://www.bco-dmo.org/deployment/58380
Platform	R/V Delaware II
Start Date	1987-01-07
End Date	1987-02-09
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE8704

Website	https://www.bco-dmo.org/deployment/58381
Platform	R/V Delaware II
Start Date	1987-05-21
End Date	1987-05-21
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE8708

Website	https://www.bco-dmo.org/deployment/58382
Platform	R/V Delaware II
Start Date	1987-08-19
End Date	1987-09-20
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE8710

Website	https://www.bco-dmo.org/deployment/58383
Platform	R/V Delaware II
Start Date	1987-11-04
End Date	1987-12-10
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE8801

Website	https://www.bco-dmo.org/deployment/58384
Platform	R/V Delaware II
Start Date	1988-01-09
End Date	1988-01-31
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE8812

Website	https://www.bco-dmo.org/deployment/58385
Platform	R/V Delaware II
Start Date	1988-11-01
End Date	1988-11-09
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE8901

Website	https://www.bco-dmo.org/deployment/58386
Platform	R/V Delaware II
Start Date	1989-01-06
End Date	1989-01-19
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE8904

Website	https://www.bco-dmo.org/deployment/58387
Platform	R/V Delaware II
Start Date	1989-06-07
End Date	1989-06-17
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE8907

Website	https://www.bco-dmo.org/deployment/58388
Platform	R/V Delaware II
Start Date	1989-11-07
End Date	1989-11-16
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE8909

Website	https://www.bco-dmo.org/deployment/58389
Platform	R/V Delaware II
Start Date	1989-11-28
End Date	1989-12-16
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9001

Website	https://www.bco-dmo.org/deployment/58390
Platform	R/V Delaware II
Start Date	1990-01-05
End Date	1990-01-17
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9003

Website	https://www.bco-dmo.org/deployment/58391
Platform	R/V Delaware II
Start Date	1990-02-21
End Date	1990-03-02
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9005

Website	https://www.bco-dmo.org/deployment/58392
Platform	R/V Delaware II
Start Date	1990-04-24
End Date	1990-05-03
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9006

Website	https://www.bco-dmo.org/deployment/58393
Platform	R/V Delaware II
Start Date	1990-05-08
End Date	1990-05-18
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9011

Website	https://www.bco-dmo.org/deployment/58394
Platform	R/V Delaware II
Start Date	1990-09-24
End Date	1990-10-25
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9012

Website	https://www.bco-dmo.org/deployment/58395
Platform	R/V Delaware II
Start Date	1990-10-30
End Date	1990-11-08
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9014

Website	https://www.bco-dmo.org/deployment/58396
Platform	R/V Delaware II
Start Date	1990-11-29
End Date	1990-12-13
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9101

Website	https://www.bco-dmo.org/deployment/58397
Platform	R/V Delaware II
Start Date	1991-01-04
End Date	1991-01-16
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9103

Website	https://www.bco-dmo.org/deployment/58398
Platform	R/V Delaware II
Start Date	1991-02-07
End Date	1991-02-22
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9105

Website	https://www.bco-dmo.org/deployment/58399
Platform	R/V Delaware II
Start Date	1991-03-06
End Date	1991-04-16
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9108

Website	https://www.bco-dmo.org/deployment/58400
Platform	R/V Delaware II
Start Date	1991-07-23
End Date	1991-08-01
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9110

Website	https://www.bco-dmo.org/deployment/58401
Platform	R/V Delaware II
Start Date	1991-09-10
End Date	1991-10-24
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9111

Website	https://www.bco-dmo.org/deployment/58402
Platform	R/V Delaware II
Start Date	1991-11-04
End Date	1991-11-16
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9113

Website	https://www.bco-dmo.org/deployment/58403
Platform	R/V Delaware II
Start Date	1991-12-05
End Date	1991-12-13
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9201

Website	https://www.bco-dmo.org/deployment/58404
Platform	R/V Delaware II
Start Date	1992-01-07
End Date	1992-01-20
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9202

Website	https://www.bco-dmo.org/deployment/58405
Platform	R/V Delaware II
Start Date	1992-01-29
End Date	1992-02-12
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9203

Website	https://www.bco-dmo.org/deployment/58406
Platform	R/V Delaware II
Start Date	1992-02-19
End Date	1992-03-06
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9205

Website	https://www.bco-dmo.org/deployment/58407
Platform	R/V Delaware II
Start Date	1992-03-17
End Date	1992-04-01
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9206

Website	https://www.bco-dmo.org/deployment/58408
Platform	R/V Delaware II
Start Date	1992-06-09
End Date	1992-07-09
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9207

Website	https://www.bco-dmo.org/deployment/58409
Platform	R/V Delaware II
Start Date	1992-07-28
End Date	1992-08-10
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9212

Website	https://www.bco-dmo.org/deployment/58410
Platform	R/V Delaware II
Start Date	1992-10-27
End Date	1992-11-04
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9214

Website	https://www.bco-dmo.org/deployment/58411
Platform	R/V Delaware II
Start Date	1992-12-02
End Date	1992-12-18
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9301

Website	https://www.bco-dmo.org/deployment/58412
Platform	R/V Delaware II
Start Date	1993-01-06
End Date	1993-01-21
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9306

Website	https://www.bco-dmo.org/deployment/58413
Platform	R/V Delaware II
Start Date	1993-06-02
End Date	1993-07-01
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9308

Website	https://www.bco-dmo.org/deployment/58414
Platform	R/V Delaware II
Start Date	1993-07-21
End Date	1993-08-04
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9311

Website	https://www.bco-dmo.org/deployment/58415
Platform	R/V Delaware II
Start Date	1993-09-08
End Date	1993-10-26
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9312

Website	https://www.bco-dmo.org/deployment/58416
Platform	R/V Delaware II
Start Date	1993-11-03
End Date	1993-11-10
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9314

Website	https://www.bco-dmo.org/deployment/58417
Platform	R/V Delaware II
Start Date	1993-12-01
End Date	1993-12-10
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9401

Website	https://www.bco-dmo.org/deployment/58418
Platform	R/V Delaware II
Start Date	1994-01-07
End Date	1994-01-15
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9402

Website	https://www.bco-dmo.org/deployment/58419
Platform	R/V Delaware II
Start Date	1994-02-01
End Date	1994-02-23
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9403

Website	https://www.bco-dmo.org/deployment/58420
Platform	R/V Delaware II
Start Date	1994-03-02
End Date	1994-04-27
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9404

Website	https://www.bco-dmo.org/deployment/58421
Platform	R/V Delaware II
Start Date	1994-05-03
End Date	1994-05-26
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9406

Website	https://www.bco-dmo.org/deployment/58422
Platform	R/V Delaware II
Start Date	1994-06-21
End Date	1994-06-30
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9407

Website	https://www.bco-dmo.org/deployment/58423
Platform	R/V Delaware II
Start Date	1994-07-19
End Date	1994-08-23
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9408

Website	https://www.bco-dmo.org/deployment/58424
Platform	R/V Delaware II
Start Date	1994-09-07
End Date	1994-09-12
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9409

Website	https://www.bco-dmo.org/deployment/58425
Platform	R/V Delaware II
Start Date	1994-09-20
End Date	1994-09-29
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9412

Website	https://www.bco-dmo.org/deployment/58426
Platform	R/V Delaware II
Start Date	1994-11-30
End Date	1994-12-07
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9705

Website	https://www.bco-dmo.org/deployment/58427
Platform	R/V Delaware II
Start Date	1997-03-06
End Date	1997-03-18
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9706

Website	https://www.bco-dmo.org/deployment/58428
Platform	R/V Delaware II
Start Date	1997-05-18
End Date	1997-06-09
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9707

Website	https://www.bco-dmo.org/deployment/58429
Platform	R/V Delaware II
Start Date	1997-06-09
End Date	1997-07-14
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9708

Website	https://www.bco-dmo.org/deployment/58430
Platform	R/V Delaware II
Start Date	1997-08-02
End Date	1997-08-07
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9803

Website	https://www.bco-dmo.org/deployment/58431
Platform	R/V Delaware II
Start Date	1998-03-03
End Date	1998-03-05
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9804

Website	https://www.bco-dmo.org/deployment/58432
Platform	R/V Delaware II
Start Date	1998-03-13
End Date	1998-03-26
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9806

Website	https://www.bco-dmo.org/deployment/58433
Platform	R/V Delaware II
Start Date	1998-04-20
End Date	1998-05-28
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9808

Website	https://www.bco-dmo.org/deployment/58434
Platform	R/V Delaware II
Start Date	1998-08-07
End Date	1998-08-19
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9810

Website	https://www.bco-dmo.org/deployment/58435
Platform	R/V Delaware II
Start Date	1998-09-10
End Date	1998-09-14
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9813

Website	https://www.bco-dmo.org/deployment/58436
Platform	R/V Delaware II
Start Date	1998-11-04
End Date	1998-11-20
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9901

Website	https://www.bco-dmo.org/deployment/58437
Platform	R/V Delaware II
Start Date	1999-01-21
End Date	1999-01-26
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9903

Website	https://www.bco-dmo.org/deployment/58438
Platform	R/V Delaware II
Start Date	1999-02-24
End Date	1999-03-11
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9905

Website	https://www.bco-dmo.org/deployment/58439
Platform	R/V Delaware II
Start Date	1999-03-30
End Date	1999-04-09
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9906

Website	https://www.bco-dmo.org/deployment/58440
Platform	R/V Delaware II
Start Date	1999-04-27
End Date	1999-04-29
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9907

Website	https://www.bco-dmo.org/deployment/58441
Platform	R/V Delaware II
Start Date	1999-06-05
End Date	1999-06-15
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

DE9908

Website	https://www.bco-dmo.org/deployment/58442
Platform	R/V Delaware II
Start Date	1999-07-28
End Date	1999-09-01
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

EL9904

Website	https://www.bco-dmo.org/deployment/57394
Platform	R/V Edwin Link
Report	http://globec.whoi.edu/globec-dir/reports/el9904/el9904.html
Start Date	1999-04-14
End Date	1999-04-28
Description	process

EL9905

Website	https://www.bco-dmo.org/deployment/57395
Platform	R/V Edwin Link
Report	http://globec.whoi.edu/globec-dir/reports/el9905/el9905new.html
Start Date	1999-05-10
End Date	1999-05-29
Description	process

EV8001

Website	https://www.bco-dmo.org/deployment/58443
Platform	R/V Evrika
Start Date	1980-04-17
End Date	1980-04-27
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

EV8004

Website	https://www.bco-dmo.org/deployment/58444
Platform	R/V Evrika
Start Date	1980-06-25
End Date	1980-06-29
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

EV8006

Website	https://www.bco-dmo.org/deployment/58445
Platform	R/V Evrika
Start Date	1980-07-16
End Date	1980-08-09
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

HB0709

Website	https://www.bco-dmo.org/deployment/58446
Platform	R/V Henry B. Bigelow
Start Date	2007-08-03
End Date	2007-08-28
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

HB0710

Website	https://www.bco-dmo.org/deployment/58447
Platform	R/V Henry B. Bigelow
Start Date	2007-09-08
End Date	2007-09-11
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

HB0802

Website	https://www.bco-dmo.org/deployment/58448
Platform	R/V Henry B. Bigelow
Start Date	2008-03-10
End Date	2008-04-23
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

HB0803

Website	https://www.bco-dmo.org/deployment/58449
Platform	R/V Henry B. Bigelow
Start Date	2008-05-14
End Date	2008-06-07
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

HB0804

Website	https://www.bco-dmo.org/deployment/58450
Platform	R/V Henry B. Bigelow
Start Date	2008-06-13
End Date	2008-06-13
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

HB0805

Website	https://www.bco-dmo.org/deployment/58451
Platform	R/V Henry B. Bigelow
Start Date	2008-06-19
End Date	2008-07-20
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

HB0806

Website	https://www.bco-dmo.org/deployment/58452
Platform	R/V Henry B. Bigelow
Start Date	2008-08-15
End Date	2008-08-25
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

HB0807

Website	https://www.bco-dmo.org/deployment/58453
Platform	R/V Henry B. Bigelow
Start Date	2008-09-04
End Date	2008-11-08
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

HB0901

Website	https://www.bco-dmo.org/deployment/58454
Platform	R/V Henry B. Bigelow
Start Date	2009-02-28
End Date	2009-05-08
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

HB0905

Website	https://www.bco-dmo.org/deployment/58455
Platform	R/V Henry B. Bigelow
Start Date	2009-09-13
End Date	2009-11-18
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

IS9601

Website	https://www.bco-dmo.org/deployment/58456
Platform	R/V Isabel-S
Start Date	1996-08-20
End Date	1996-08-28
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

IS9801

Website	https://www.bco-dmo.org/deployment/58457
Platform	R/V Isabel-S
Start Date	1998-08-22
End Date	1998-09-01
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

IS9901

Website	https://www.bco-dmo.org/deployment/58458
Platform	R/V Isabel-S
Start Date	1999-08-21
End Date	1999-09-02
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

KT9502

Website	https://www.bco-dmo.org/deployment/58459
Platform	F/V Katahdin
Start Date	1995-04-27
End Date	1995-05-28
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

KT9504

Website	https://www.bco-dmo.org/deployment/58460
Platform	F/V Katahdin
Start Date	1995-06-20
End Date	1995-06-26
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

KT9505

Website	https://www.bco-dmo.org/deployment/58461
Platform	F/V Katahdin
Start Date	1995-07-18
End Date	1995-07-28
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

KZ7711

Website	https://www.bco-dmo.org/deployment/58462
Platform	KELEZ
Start Date	1977-11-28
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

KZ8103

Website	https://www.bco-dmo.org/deployment/58463
Platform	KELEZ
Start Date	1981-03-19
End Date	1981-04-09
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

MM7711

Website	https://www.bco-dmo.org/deployment/58464
Platform	R/V Mount Mitchell
Start Date	1977-11-12
End Date	1977-11-18
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

NO0201

Website	https://www.bco-dmo.org/deployment/58465
Platform	R/V Nogliki
Start Date	2002-08-14
End Date	2002-08-29
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

NP9901

Website	https://www.bco-dmo.org/deployment/58466
Platform	R/V Nordic Pride
Start Date	1999-11-06
End Date	1999-11-11
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

OR8905

Website	https://www.bco-dmo.org/deployment/58467
Platform	R/V Oregon II
Start Date	1989-08-12
End Date	1989-08-21
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

OR9105

Website	https://www.bco-dmo.org/deployment/58468
Platform	R/V Oregon II
Start Date	1991-07-30
End Date	1991-08-22
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

OR9204

Website	https://www.bco-dmo.org/deployment/58469
Platform	R/V Oregon II
Start Date	1992-08-02
End Date	1992-08-22
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

OR9304

Website	https://www.bco-dmo.org/deployment/58470
Platform	R/V Oregon II
Start Date	1993-07-31
End Date	1993-08-25
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

PE9501

Website	https://www.bco-dmo.org/deployment/58471
Platform	R/V Pelican
Start Date	1995-07-10
End Date	1995-08-03
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

PE9502

Website	https://www.bco-dmo.org/deployment/58472
Platform	R/V Pelican
Start Date	1995-08-09
End Date	1995-09-05
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

PE9602

Website	https://www.bco-dmo.org/deployment/58473
Platform	R/V Pelican
Start Date	2006-06-01
End Date	2006-06-14
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

RL9401

Website	https://www.bco-dmo.org/deployment/58474
Platform	RELENTLESS
Start Date	1994-08-25
End Date	1994-08-30
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

RL9501

Website	https://www.bco-dmo.org/deployment/58475
Platform	RELENTLESS
Start Date	1995-03-11
End Date	1995-03-28
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

S10801

Website	https://www.bco-dmo.org/deployment/58476
Platform	R/V Hugh R. Sharp
Start Date	2008-06-22
End Date	2008-08-06
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

S10901

Website	https://www.bco-dmo.org/deployment/58477
Platform	R/V Hugh R. Sharp
Start Date	2009-05-10
End Date	2009-07-02
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

SJ9503

Website	https://www.bco-dmo.org/deployment/57482
Platform	R/V Seward Johnson
Start Date	1995-03-14
End Date	1995-03-24
Description	process larvae

SJ9505

Website	https://www.bco-dmo.org/deployment/57484
Platform	R/V Seward Johnson
Report	http://globec.whoi.edu/globec-dir/reports/sj9505/sj9505.html
Start Date	1995-04-07
End Date	1995-04-21
Description	Process cruise looking for cod and haddock larvae.

SJ9507

Website	https://www.bco-dmo.org/deployment/57486
Platform	R/V Seward Johnson
Report	http://globec.whoi.edu/globec-dir/reports/sj9507/SJ9507.pdf
Start Date	1995-05-08
End Date	1995-05-26
Description	process larvae

WI8002

Website	https://www.bco-dmo.org/deployment/58478
Platform	R/V Wieczno
Start Date	1980-02-20
End Date	1980-03-10
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

YU7702

Website	https://www.bco-dmo.org/deployment/58479
Platform	R/V Yubileiniy
Start Date	1977-07-31
End Date	1977-09-01
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

CHA9103

Website	https://www.bco-dmo.org/deployment/58480
Platform	R/V Chain
Start Date	1991-06-10
End Date	1991-07-13
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

UNK0701

Website	https://www.bco-dmo.org/deployment/58481
Platform	Unknown Vessel
Start Date	2007-08-20
End Date	2007-08-23
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project.

ZOD9201

Website	https://www.bco-dmo.org/deployment/58482
Platform	Zodiacs
Start Date	1992-04-09
End Date	1992-04-14
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project. Note added April 13, 2014 via email from Maureen Taylor: The data from these trips were collected from a small zodiac launched from shore daily (they hand-lowered the CTDs).

ZOD9202

Website	https://www.bco-dmo.org/deployment/58483
Platform	Zodiacs
Start Date	1992-05-20
End Date	1992-05-25
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project. Note added April 13, 2014 via email from Maureen Taylor: The data from these trips were collected from a small zodiac launched from shore daily (they hand-lowered the CTDs).

ZOD9203

Website	https://www.bco-dmo.org/deployment/58484
Platform	Zodiacs
Start Date	1992-06-23
End Date	1992-06-28
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project. Note added April 13, 2014 via email from Maureen Taylor: The data from these trips were collected from a small zodiac launched from shore daily (they hand-lowered the CTDs).

ZOD9301

Website	https://www.bco-dmo.org/deployment/58485
Platform	Zodiacs
Start Date	1993-09-12
End Date	1993-09-19
Description	This was a survey cruise collecting oceanographic profile (hydrography) data (as well as other data) and was part of the ongoing oceanographic data collection project. Note added April 13, 2014 via email from Maureen Taylor: The data from these trips were collected from a small zodiac launched from shore daily (they hand-lowered the CTDs).

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Project Information

Hydrography (Hydrography)

Coverage: Northeast Atlantic

The Hydrographic project collects the following information:

opsid - Concatenation of year, vessel number, and vessel abbreviation

cruise_id - distinct cruise ID

Year -Year in which the cruise takes place

gear_type - (Bottle data, or type of CTD system deployed)

cast - Cast number (unique per gear_type per cruise_id)

purpose code - 2 digit program identifier for a cruise that is part of a larger Center of National program

gmt_yday1 - GMT Year day using the convention that Jan 1st at noon is 1.5 (null value=999)

gmt_date - GMT date

vessel_number - Vessel number for individual ship

sta_btm_depth - Station depth (m) ? Null value = 999

lat_dd --> lat - Latitude in decimal degree format

lon_dd --> lon - Longitude in decimal degree format

pres - Ctd pressure (db) or bottle depth (m)

temp - Temperature (deg C)

salt - Salinity

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Program Information

National Marine Fisheries Service / Northeast Fisheries Science Center (NMFS/NEFSC)

Website: <http://www.nefsc.noaa.gov/history/nefsc.html>

Coverage: U.S. Continental Shelf

The [Northeast Fisheries Science Center](#) is the research arm of NOAA Fisheries in the Northeast region. The Center plans, develops, and manages a multidisciplinary program of basic and applied research to: (1) better understand living marine resources of the Northeast Continental Shelf Ecosystem from the Gulf of Maine to Cape Hatteras, and the habitat quality essential for their existence and continued productivity; and (2) describe and provide to management, industry, and the public, options for the conservation and utilization of living marine resources, and for the restoration and maintenance of marine environmental quality.

The functions are carried out through the coordinated efforts of research facilities located in Massachusetts, Rhode Island, Connecticut, New Jersey, and Washington, DC.

[NOAA's National Marine Fisheries Service](#) is the federal agency, a division of the Department of Commerce, responsible for the stewardship of the nation's living marine resources and their habitat. NOAA's National Marine Fisheries Service is responsible for the management, conservation and protection of living marine resources within the United States' Exclusive Economic Zone (water three to 200 mile offshore). Using the tools provided by the Magnuson-Stevens Act, NOAA's National Marine Fisheries Service assesses and predicts the status of fish stocks, ensures compliance with fisheries regulations and works to reduce wasteful fishing practices. Under the Marine Mammal Protection Act and the Endangered Species Act, NOAA's National Marine Fisheries Service recovers protected marine species (i.e. whales, turtles) without unnecessarily impeding economic and recreational opportunities. With the help of the six regional offices and eight councils, NOAA's National Marine Fisheries Service is able to work with communities on fishery management issues. NOAA's National Marine Fisheries Service works to promote sustainable fisheries and to prevent lost economic potential associated with overfishing, declining species and degraded habitats. NOAA's National Marine Fisheries Service strives to balance competing public needs.

[National Oceanic and Atmospheric Administration \(NOAA\)](#) is an agency that enriches life through science. Our reach goes from the surface of the sun to the depths of the ocean floor as we work to keep citizens informed of the changing environment around them.

From daily weather forecasts, severe storm warnings and climate monitoring to fisheries management, coastal restoration and supporting marine commerce, NOAA's products and services support economic vitality and affect more than one-third of America's gross domestic product. NOAA's dedicated scientists use cutting-edge research and high-tech instrumentation to provide citizens, planners, emergency managers and other decision makers with reliable information they need when they need it.

NOAA's roots date back to 1807, when the Nation's first scientific agency, the Survey of the Coast, was established. Since then, NOAA has evolved to meet the needs of a changing country. NOAA maintains a presence in every state and has emerged as an international leader on scientific and environmental matters.

NOAA's mission touches the lives of every American and we are proud of our role in protecting life and property and conserving and protecting natural resources.

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Funding

Funding Source	Award
NMFS/Northeast Fisheries Science Center (NOAA NEFSC)	unknown Hydrography NOAA NEFSC

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