

EcoMon plankton counts (10-m²) from Bongo tows, including MARMAP data from multiple cruises in the Northeast Continental Shelf of the United States from 1977-2015 (EcoMon Zooplankton project)

Website: <https://www.bco-dmo.org/dataset/3327>

Data Type: Cruise Results

Version: 3.1

Version Date: 2018-01-02

Project

» [EcoMon Zooplankton](#) (EcoMon Zooplankton)

Program

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

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Abstract

Zooplankton data are the number of organisms beneath 10 m² of sea surface from several surveys including: ICNAF, MARMAP, HERRING, ECOMON as well as perhaps several others, and hundreds of cruises.

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Coverage

Spatial Extent: N:44.77 E:-63.6 S:34.4667 W:-75.97

Temporal Extent: 1977-02-13 - 2015-11-04

Dataset Description

Notes:

1. Values are the number of organisms beneath 10 m² of sea surface.

2. Taxa were selected based on time series mean abundance > 100 per 100 m³ and occurrence in greater than 5% of samples.
3. Number of stations between the 100 m³ and 10 m² datasets may be different because the number of larvae under 10 m² was not calculated at stations where the net was greater than 5-m off the bottom.

Date: 26 January 2011:

As of July 30, 2010 we have attempted to replace the taxonomic abbreviations with the actual names in the displayed data. The original abbreviations are shown below for historical purposes.

List of taxonomic abbreviations and MARMAP codes:

COLUMN NAME TAXANOMIC NAME MARMAP TAXONOMIC CODE(S)

ctyp Centropages typicus 103
 calfin Calanus finmarchicus 101
 pseudo Pseudocalanus spp. 102 and 4128
 penilia Penilia avirostris 611 and 613
 tlong Temora longicornis 104
 cham Centropages hamatus 109
 echino Echinodermata 1500-1599
 append Appendicularia 700-799
 para Paracalanus parvus 135
 gas Gastropoda 300-399, 1100-1199,
 3300-3399
 acarspp Acartia spp. 4027
 mlucens Metridia lucens 105
 evadnespp Evadne spp. 605
 salps Salpa 3400-3499
 oithspp Oithona spp. 138
 cirr Cirripedia 2100-2199
 chaeto Chaetognatha 200-299
 hyper Hyperiidea 400-499, 800-849,
 4600-4699
 gam Gammaridea 870-899, 4400-4499
 evadnord Evadne nordmanni 607
 coe Coelenterata 1200-1299, 1800-
 1899, 2300-2399
 calminor Calanus minor 143
 copepoda Copepoda 100
 clauso Clausocalanus arcuicornis 157
 dec Decapoda 500-599, 1000-
 1099, 3100-3299
 euph Euphausiacea 2000-2099
 prot Protozoa 3900-3999
 acarlong Acartia longiremis 107
 euc Eucalanus spp. 180
 pel Pelecypoda 1300-1399
 poly Polychaeta 2500-2599
 podon Podon spp. 601
 fish Pisces 3500
 bry Bryozoa 900-949
 fur Clausocalanus furcatus 4064
 calssp Calanus spp. 178
 oncaea Oncaea spp. 191
 cory Corycaeidae 4045
 ost Ostracoda 3600-3699
 tstyl Temora stylifera 153
 oithspin Oithona spirostris 114
 mysids Mysidacea 2800-2899
 temspp Temora spp. 4059
 tort Tortanus discaudatus 108
 paraspp Paracalanus spp. 4118

NOAA/NMFS Data Use and Acknowledgement Policy:

These data are provided by the Northeast Fisheries Science Center of the U.S. National Marine Fisheries Service. A number of different vessels have been involved in sampling, and gear and methods have evolved over time. All of these factors affect sampling and the interpretation of data. The agency has developed correction factors to adjust for these changes and use other statistical tools for population estimates. The data

we present here can be used as an index of abundance (over time or space) within a species or among species with similar vulnerability to the sampling gear. The data refer to a standard tow or sample and are not normalized to a unit area. Please refer to the detailed metadata for each dataset for more information, and to the data products for useful summaries of the data. Users are encouraged to contact the responsible agencies for guidance in using the data.

It is not ethical to publish data without proper attribution or co-authorship. The data are the intellectual property of the collecting investigator(s).

The intellectual investment and time committed to the collection of a data set entitles the investigator to the fundamental benefits of the data set. Publication of descriptive or interpretive results derived immediately and directly from the data is the privilege and responsibility of the investigators who collect the data.

The purpose of a data archive is to facilitate collaboration between scientists, to allow the combination of multiple data sets for interdisciplinary and comparative studies, and the development and testing of new theories. The data managed by the Biological and Chemical Oceanography Data Management Office (BCO-DMO) are made available even though they may not be "final" (i.e., error free) data.

Any person making substantial use of a data set must communicate with the investigators who acquired the data and/or the Data Management Office prior to publication and anticipate that the data collectors will be co-authors of published results. This extends to model results and to data organized for retrospective studies.

The data available here are intended for scholarly use by the academic and scientific community, with the express understanding that any such use will properly acknowledge the originating investigator. Use or reproduction of any material herein for any commercial purpose is prohibited without prior written permission from the Data Management Office.

Methods & Sampling

Plankton sampling was conducted bi-monthly, monthly, or quarterly each year depending on the sampling program. Samples were collected both day and night on cruises using a 61-cm bongo net fitted with a 333-um mesh net. Oblique tows were a minimum of 5-minutes in duration, and fished from the surface to within 5-m of the seabed or to a maximum depth of 200-m. A mechanical flowmeter was fitted in the mouth of each net to record the volume sampled. Samples were preserved in 5% formalin.

This dataset does not include the samples from the 20cm Bongo.

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." Source: NOAA NMFS NEFSC Oceanography Branch"

NOTE: Newest data, v3.1, (NMFS 3.1 - 2017-03-23) is not yet linked to the BCO-DMO mapping service.

Data Processing Description

Plankton tows differ with respect to volume of water filtered and maximum tow depth. In order to make data values comparable, these values were normalized through the use of a standard haul factor. The two standard haul factors were: the number of organisms beneath 10 m² of sea surface (eq. 1) and the number per 100 m³ of water sampled (eq. 2).

$$\text{Eq. 1: } h = z * 10 / v$$

where: z = maximum tow depth (in meters)
v = volume of water filtered (in meters cubed)

$$\text{Eq. 2: } h = 100 / v \text{ where: } v = \text{volume of water filtered (in meters cubed)}$$

Sample sorting and identification of most samples was done at the Morski Instytut Rybacki in Szczecin, Poland.

Samples were reduced to approximately 500 organisms by sub-sampling into aliquots with a modified box splitter. Zooplankton were sorted, counted, and identified to the lowest possible taxa. The number for each taxa identified was multiplied by the number of aliquots to estimate total sample abundance; which then was multiplied by one of the standard haul factors.

BCO-DMO Processing:

- reformatted date from dd-Mon-yy to yyyy-mm-dd
- added columns for year, month, day
- sorted all the data by year, then cruise_name, then station
- replaced taxon codes with taxon names
- replaced 97 NaN's in volume column with nd
- transposed taxon columns to rows

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Data Files

File
plankton10m2_v3_1_sort.csv (Comma Separated Values (.csv), 438.25 MB) MD5:95556b5c889f624a7a8517ac0bb0906c
Primary data file for dataset ID 3327

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Related Publications

Jossi, J. W., & Kane, J. (2000). An Atlas of Seasonal Mean Abundances of the Common Zooplankton of the United States Northeast Continental Shelf Ecosystem. *Bulletin of the Sea Fisheries Institute* 151:67-87
Results

Jossi, J. W., Griswold, C. A., Prezioso, J., Taylor, M., & O'Reilly, J. Ecosystem Monitoring Program: Survey Operations Manual. <http://globec.who.edu/BCO-DMO/Reports/Bongo-OperationsManual-2005.doc>
Methods

Kane, J. (1997). Persistent spatial and temporal abundance patterns for late-stage copepodites of *Centropages hamatus* (Copepoda: Calanoida) in the U.S. Northeast continental shelf ecosystem. *Fishery Bulletin* 95:85-98
<http://globec.who.edu/BCO-DMO/Reports/MARMAP-Atlas-3.pdf>
Results

Kane, J. (1997). Persistent spatial and temporal abundance patterns for late-stage copepodites of *Centropages hamatus* (Copepoda: Calanoida) in the U.S. Northeast continental shelf ecosystem. *Fishery Bulletin* 95:85-98
Results

Kane, J. (1999). Persistent spatial and temporal abundance patterns for the late-stage copepodites of *Centropages typicus* (Copepoda: Calanoida) in the US Northeast continental shelf ecosystem. *Journal of Plankton Research*, 21(6), 1043-1064. doi:[10.1093/oxfordjournals.plankt.a029781](https://doi.org/10.1093/oxfordjournals.plankt.a029781)
Results

Kane, J. (2003). Spatial and temporal abundance patterns for the late stage copepodites of *Metridia lucens* (Copepoda: Calanoida) in the US northeast continental shelf ecosystem. *Journal of Plankton Research*, 25(2), 151-167. doi:[10.1093/plankt/25.2.151](https://doi.org/10.1093/plankt/25.2.151)
Results

Kane, J. (2007). Zooplankton abundance trends on Georges Bank, 1977-2004. *ICES Journal of Marine Science*, 64(5), 909-919. doi:[10.1093/icesjms/fsm066](https://doi.org/10.1093/icesjms/fsm066)
Results

Kane, J., & Prezioso, J. (2008). Distribution and multi-annual abundance trends of the copepod *Temora longicornis* in the US Northeast Shelf Ecosystem. *Journal of Plankton Research*, 30(5), 619-632.
doi:[10.1093/plankt/fbn026](https://doi.org/10.1093/plankt/fbn026)
Results

Kane, J., 1997. Persistent spatial and temporal abundance patterns for the late-stage copepodites of

Centropages hamatus (Copepoda:Calanoida) in the US Northeast Continental shelf ecosystem. Fishery Bulletin US 95, 85-98

Results

Mountain, D., & Kane, J. (2010). Major changes in the Georges Bank ecosystem, 1980s to the 1990s. Marine Ecology Progress Series, 398, 81-91. doi:[10.3354/meps08323](https://doi.org/10.3354/meps08323)

Results

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Related Datasets

IsRelatedTo

Hare, J. (2021) **EcoMon plankton counts (100-m³) from Bongo tows, including MARMAP data multiple cruises in the Northeast Continental Shelf of the United States from 1977-2015 (EcoMon Zooplankton project)**. Biological and Chemical Oceanography Data Management Office (BCO-DMO). (Version 3.1) Version Date 2018-01-02 doi:10.26008/1912/bco-dmo.3328.3.1 [[view at BCO-DMO](#)]

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Parameters

Parameter	Description	Units
year	4 digit GMT year	unitless
cruiseid	Unique cruise identification made up of a 2 or 3 letter platform abbreviation followed by a number; typically the 2 digit year followed by a 2 digit consecutive number starting at 01.	unitless
station	Cruise station number	unitless
zoo_gear	type of gear used to collect zooplankton samples	unitless
ich_gear	type of gear used to collect ichthyoplankton samples	unitless
lat	Latitude; north is positive	decimal degrees
lon	Longitude; east is positive	decimal degrees
date	GMT date in the format dd-mmm-yy	unitless
month	GMT month sample was taken	unitless
day	GMT day sample was taken	unitless

time	GMT time sample was taken	unitless
depth	Water depth	meters
sfc_temp	surface temperature	degrees Celsius
sfc_salt	surface salt	Practical Salinity Units (PSU)?
btm_temp	bottom temperature	degrees Celsius
btm_salt	bottom salt	Practical Salinity Units (PSU)?
volume_1m2	volume of water filtered during tow?	cubic meters?
taxon	Taxon. Data were originally supplied using taxon abbreviations but these abbreviations were replaced by the taxon names; using an underscore to represent spaces.	unitless
count	The number of organisms beneath 10 m ² of sea surface	taxon specimens/10 square meters sea surface

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Deployments

AA8704

Website	https://www.bco-dmo.org/deployment/58486
Platform	F/V Admiral Arciszewski
Start Date	1987-04-13
End Date	1987-04-22
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project. The reported sampling dates were used as the cruise start and end dates.

AI7801

Website	https://www.bco-dmo.org/deployment/58487
Platform	R/V Aliot
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an 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.

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.

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.

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.

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

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.

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.

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

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

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.

AL0505

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

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.

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

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.

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.

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.

AL7702

Website	https://www.bco-dmo.org/deployment/58488
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

AL7802

Website	https://www.bco-dmo.org/deployment/58489
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

AL7804

Website	https://www.bco-dmo.org/deployment/58490
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an 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.

AL7903

Website	https://www.bco-dmo.org/deployment/58491
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an 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.

AL8003

Website	https://www.bco-dmo.org/deployment/58492
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an 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.

AL8107

Website	https://www.bco-dmo.org/deployment/58493
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

AL8110

Website	https://www.bco-dmo.org/deployment/58494
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

AL8113

Website	https://www.bco-dmo.org/deployment/58495
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an 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.

AL8206

Website	https://www.bco-dmo.org/deployment/58496
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

AL8208

Website	https://www.bco-dmo.org/deployment/58497
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

AL8211

Website	https://www.bco-dmo.org/deployment/58498
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

AL8301

Website	https://www.bco-dmo.org/deployment/58499
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

AL8302

Website	https://www.bco-dmo.org/deployment/58500
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an 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.

AL8307

Website	https://www.bco-dmo.org/deployment/58501
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

AL8308

Website	https://www.bco-dmo.org/deployment/58502
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

AL8402

Website	https://www.bco-dmo.org/deployment/58503
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an 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.

AL8406

Website	https://www.bco-dmo.org/deployment/58504
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

AL8407

Website	https://www.bco-dmo.org/deployment/58505
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

AL8408

Website	https://www.bco-dmo.org/deployment/58506
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

AL8502

Website	https://www.bco-dmo.org/deployment/58507
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an 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.

AL8507

Website	https://www.bco-dmo.org/deployment/58508
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

AL8508

Website	https://www.bco-dmo.org/deployment/58509
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

AL8602

Website	https://www.bco-dmo.org/deployment/58510
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

AL8604

Website	https://www.bco-dmo.org/deployment/58511
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

AL8605

Website	https://www.bco-dmo.org/deployment/58512
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

AL8701

Website	https://www.bco-dmo.org/deployment/58513
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

AL8705

Website	https://www.bco-dmo.org/deployment/58514
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

AL8707

Website	https://www.bco-dmo.org/deployment/58515
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

AL8802

Website	https://www.bco-dmo.org/deployment/58516
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

AL8807

Website	https://www.bco-dmo.org/deployment/58517
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

AL8809

Website	https://www.bco-dmo.org/deployment/58518
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an 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.

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.

AL9206

Website	https://www.bco-dmo.org/deployment/58519
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

AL9208

Website	https://www.bco-dmo.org/deployment/58520
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

AL9210

Website	https://www.bco-dmo.org/deployment/58521
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

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.

AL9302

Website	https://www.bco-dmo.org/deployment/58522
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an 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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

AL9706

Website	https://www.bco-dmo.org/deployment/58523
Platform	R/V Albatross IV
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an 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.

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.

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.

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.

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.

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.

AM9101

Website	https://www.bco-dmo.org/deployment/58524
Platform	R/V Argo M
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an 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.

AV9401

Website	https://www.bco-dmo.org/deployment/58525
Platform	R/V Advance II
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an 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.

BE7903

Website	https://www.bco-dmo.org/deployment/58526
Platform	R/V Belogorsk
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

BE7905

Website	https://www.bco-dmo.org/deployment/58527
Platform	R/V Belogorsk
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an 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.

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.

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

DL0501

Website	https://www.bco-dmo.org/deployment/58535
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL0602

Website	https://www.bco-dmo.org/deployment/58536
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL0616

Website	https://www.bco-dmo.org/deployment/58537
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL0701

Website	https://www.bco-dmo.org/deployment/58538
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL0706

Website	https://www.bco-dmo.org/deployment/58539
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL0709

Website	https://www.bco-dmo.org/deployment/58540
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL0711

Website	https://www.bco-dmo.org/deployment/58541
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL7703

Website	https://www.bco-dmo.org/deployment/58542
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL7705

Website	https://www.bco-dmo.org/deployment/58543
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL7707

Website	https://www.bco-dmo.org/deployment/58544
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL7802

Website	https://www.bco-dmo.org/deployment/58545
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL7903

Website	https://www.bco-dmo.org/deployment/58546
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL7904

Website	https://www.bco-dmo.org/deployment/58547
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL7905

Website	https://www.bco-dmo.org/deployment/58548
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8002

Website	https://www.bco-dmo.org/deployment/58549
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8003

Website	https://www.bco-dmo.org/deployment/58550
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8102

Website	https://www.bco-dmo.org/deployment/58551
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8103

Website	https://www.bco-dmo.org/deployment/58552
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8104

Website	https://www.bco-dmo.org/deployment/58553
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8105

Website	https://www.bco-dmo.org/deployment/58554
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8106

Website	https://www.bco-dmo.org/deployment/58555
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8202

Website	https://www.bco-dmo.org/deployment/58556
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8203

Website	https://www.bco-dmo.org/deployment/58557
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8205

Website	https://www.bco-dmo.org/deployment/58558
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8209

Website	https://www.bco-dmo.org/deployment/58559
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8301

Website	https://www.bco-dmo.org/deployment/58560
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8302

Website	https://www.bco-dmo.org/deployment/58561
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8307

Website	https://www.bco-dmo.org/deployment/58562
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8309

Website	https://www.bco-dmo.org/deployment/58563
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8401

Website	https://www.bco-dmo.org/deployment/58564
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8406

Website	https://www.bco-dmo.org/deployment/58565
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8409

Website	https://www.bco-dmo.org/deployment/58566
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8501

Website	https://www.bco-dmo.org/deployment/58567
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8503

Website	https://www.bco-dmo.org/deployment/58568
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8507

Website	https://www.bco-dmo.org/deployment/58569
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8508

Website	https://www.bco-dmo.org/deployment/58570
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8510

Website	https://www.bco-dmo.org/deployment/58571
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8601

Website	https://www.bco-dmo.org/deployment/58572
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8603

Website	https://www.bco-dmo.org/deployment/58573
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8604

Website	https://www.bco-dmo.org/deployment/58574
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8607

Website	https://www.bco-dmo.org/deployment/58575
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8608

Website	https://www.bco-dmo.org/deployment/58576
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8610

Website	https://www.bco-dmo.org/deployment/58577
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8701

Website	https://www.bco-dmo.org/deployment/58578
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8703

Website	https://www.bco-dmo.org/deployment/58579
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8704

Website	https://www.bco-dmo.org/deployment/58580
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8708

Website	https://www.bco-dmo.org/deployment/58581
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8710

Website	https://www.bco-dmo.org/deployment/58582
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8801

Website	https://www.bco-dmo.org/deployment/58583
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8812

Website	https://www.bco-dmo.org/deployment/58584
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8901

Website	https://www.bco-dmo.org/deployment/58585
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8902

Website	https://www.bco-dmo.org/deployment/58586
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8906

Website	https://www.bco-dmo.org/deployment/58587
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8907

Website	https://www.bco-dmo.org/deployment/58588
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL8909

Website	https://www.bco-dmo.org/deployment/58589
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL9001

Website	https://www.bco-dmo.org/deployment/58590
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL9003

Website	https://www.bco-dmo.org/deployment/58591
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL9004

Website	https://www.bco-dmo.org/deployment/58592
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL9011

Website	https://www.bco-dmo.org/deployment/58593
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL9012

Website	https://www.bco-dmo.org/deployment/58594
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL9014

Website	https://www.bco-dmo.org/deployment/58595
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL9101

Website	https://www.bco-dmo.org/deployment/58596
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL9103

Website	https://www.bco-dmo.org/deployment/58597
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL9110

Website	https://www.bco-dmo.org/deployment/58598
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL9111

Website	https://www.bco-dmo.org/deployment/58599
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL9113

Website	https://www.bco-dmo.org/deployment/58600
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL9201

Website	https://www.bco-dmo.org/deployment/58601
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL9202

Website	https://www.bco-dmo.org/deployment/58602
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL9203

Website	https://www.bco-dmo.org/deployment/58603
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL9212

Website	https://www.bco-dmo.org/deployment/58604
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL9214

Website	https://www.bco-dmo.org/deployment/58605
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL9301

Website	https://www.bco-dmo.org/deployment/58606
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL9302

Website	https://www.bco-dmo.org/deployment/58607
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL9304

Website	https://www.bco-dmo.org/deployment/58608
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL9311

Website	https://www.bco-dmo.org/deployment/58609
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL9312

Website	https://www.bco-dmo.org/deployment/58610
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL9314

Website	https://www.bco-dmo.org/deployment/58611
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL9401

Website	https://www.bco-dmo.org/deployment/58612
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL9402

Website	https://www.bco-dmo.org/deployment/58613
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL9403

Website	https://www.bco-dmo.org/deployment/58614
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL9405

Website	https://www.bco-dmo.org/deployment/58615
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL9410

Website	https://www.bco-dmo.org/deployment/58616
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL9710

Website	https://www.bco-dmo.org/deployment/58617
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL9813

Website	https://www.bco-dmo.org/deployment/58618
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL9901

Website	https://www.bco-dmo.org/deployment/58619
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

DL9905

Website	https://www.bco-dmo.org/deployment/58620
Platform	R/V Delta Mar
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

EK8001

Website	https://www.bco-dmo.org/deployment/58621
Platform	R/V Ekliptika
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

EK8004

Website	https://www.bco-dmo.org/deployment/58622
Platform	R/V Ekliptika
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

EK8006

Website	https://www.bco-dmo.org/deployment/58623
Platform	R/V Ekliptika
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

GO7701

Website	https://www.bco-dmo.org/deployment/58624
Platform	R/V Gosnold
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

GY8507

Website	https://www.bco-dmo.org/deployment/58625
Platform	R/V Gyre
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

IS9701

Website	https://www.bco-dmo.org/deployment/58626
Platform	R/V Isabel-S
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an 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.

KE7711

Website	https://www.bco-dmo.org/deployment/58627
Platform	F/V Karen Elizabeth
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

KE8103

Website	https://www.bco-dmo.org/deployment/58628
Platform	F/V Karen Elizabeth
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

KT9503

Website	https://www.bco-dmo.org/deployment/58629
Platform	F/V Katahdin
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

MC9501

Website	https://www.bco-dmo.org/deployment/58630
Platform	R/V Marion C
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

MM7701

Website	https://www.bco-dmo.org/deployment/58631
Platform	R/V Mount Mitchell
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an 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.

NO7702

Website	https://www.bco-dmo.org/deployment/58632
Platform	R/V Nogliki
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an 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.

NS0201

Website	https://www.bco-dmo.org/deployment/58633
Platform	F/V Nobska
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an 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.

WI7804

Website	https://www.bco-dmo.org/deployment/58634
Platform	R/V Wieczno
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

WI7903

Website	https://www.bco-dmo.org/deployment/58635
Platform	R/V Wieczno
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an ongoing oceanographic data collection project.

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.

WI8601

Website	https://www.bco-dmo.org/deployment/58636
Platform	R/V Wieczno
Description	This was a survey cruise collecting biological samples (as well as other data) and was part of an 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.

Project Information

EcoMon Zooplankton (EcoMon Zooplankton)

Coverage: East Coast of the United States

Zooplankton data collected during several science programs including ICNAF, MARMAP, HERRING, ECOMON, and EcoMon. The purpose was to collect and count zooplankton along the east coast of the United States.

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 EcoMon Zooplankton NOAA NEFSC

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