

WHOI-85-3

**Zooplankton Biomass and Related MOCNESS Data
for Tows Taken on the 1981-82
Warm-Core Rings Cruises**

by

Valerie A. Barber
and
Peter H. Wiebe

Woods Hole Oceanographic Institution
Woods Hole, Massachusetts 02543

January 1985

Technical Report

*Funding was provided by the National Science Foundation
under Grant OCE 80-17248.*

*Reproduction in whole or in part
is permitted for any purpose of the United States
Government. This report should be cited as: Woods Hole Oceanog.
Inst. Tech. Rept. WHOI-85-3.*

Approved for public release; distribution unlimited.

Approved for Distribution:



John M. Teal, Chairman
Department of Biology

ABSTRACT

Compiled in this report are tables of zooplankton biomass data (displacement volume), carbon equivalents, and associated net tow data (volume filtered, depth, temperature, and salinity) collected with a Multiple Opening/Closing Net Environmental Sampling System (MOCNESS) during the warm-core ring cruises which took between September 1981 and October 1982. Rings sampled were 81-D, 82-B, and 82-H. Also included are plots of tow positions relative to ring center and plots of biomass and cumulative proportion of biomass versus depth. A total of 81 tows and 1220 samples were taken.

Table of Contents

	page
1. Abstract.....	i
2. Introduction.....	1
3. Sampling Strategy.....	1
4. Sampling By Cruise.....	2
5. Description Of The MOCNESS Systems.....	4
6. Measurement And Calculation Of Biomass.....	4
7. Carbon Calculation.....	5
8. Standard Files.....	5
9. Temperature And Salinity Determinations.....	5
10. Acknowledgements.....	6
11. References.....	7
12. Tow position plots relative to ring center.....	8
12.1 Overview of rings positions.....	9
12.2 81-D September/October 1981.....	10
12.3 82-B March 1982.....	11
12.4 82-B April 1982.....	12
12.5 82-B June 1982.....	13
12.6 82-B August 1982.....	14
12.7 82-H September/October 1982.....	15
13. Definitions.....	16
14. Warm-Core Ring Cruise and Tow Information.....	17
15. Warm-Core Ring Tow and Integrated Zooplankton Biomass.....	19
16. Tables of Tow Information and Depth Specific Zooplankton Biomass..	21
17. Plots of Biomass and Cumulative Proportion Of Biomass With Depth.....	102
18. Tables of Temperature and Salinity.....	124

INTRODUCTION

This data report is based on samples and data collected with a Multiple Opening/Closing Net and Environmental Sensing System (MOCNESS) during the Warm-Core Ring Program on a series of six cruises which took place between September 1981 and October 1982. The Warm-Core Ring program was sponsored principally by the National Science Foundation (NSF) and involved 25 principal investigators from 13 research and academic institutions in one of the largest, most comprehensive multidisciplinary programs ever undertaken in ocean studies (Joyce and Wiebe, 1983). The National Oceanic and Atmospheric Administration (NOAA) was an active participant through its National Marine Fisheries Service (NMFS) and National Earth Satellite Service (NESS). The National Aeronautics and Space Administration (NASA) was also involved and funded aircraft overflights for remote sensing as well as shipboard measurements and data analysis. Our overall objective was to study the distribution, abundance, and physiological ecology of zooplankton in warm-core rings in an effort to understand the role of physical/chemical factors versus biological factors in controlling zoogeographic boundaries in open ocean zooplankton. The data presented here include biomass data (displacement volume and its carbon equivalent), and temperature and salinity data collected with a MOCNESS system and associated sensors. Also found in this report are tables of tow information, including positions, dates, times, depth 10°C, and net information such as depths and volume filtered. There are also plots of biomass and cumulative percentage for individual tows and figures of tow positions relative to ring center. Samples were collected from the North Atlantic Slope Water, the Sargasso Sea, the Gulf Stream, and from 3 different warm-core rings, 81-D, 82-B, and 82-H.

SAMPLING STRATEGY

Sampling for macrozooplankton on the warm-core ring cruises was done with a double MOCNESS-1 except in March 1982, when the nine net MOCNESS was used (description of systems to follow later in text). The system was usually deployed with the ship underway at about two knots by fishing one net from each set of nets on the oblique section to the bottom of the tow trajectory and then sequentially opening and closing nets from one side and then the other so that the oblique strata were sampled while hauling the system back to the surface. The top of the last net from each set of nets was permanently affixed to the net bar guides so that one net on each side remained open for stability for the duration of the tow. A typical tow lasted from 2.5 to 3.5 hours. With the MOCNESS-1, nine nets were fished; net 0 fished from the surface down to 1000 meters. The next four nets fished 150 m intervals up to 400 m and the last four nets fished 100 m intervals up to the surface. The double MOCNESS-1 carried twenty nets and on a typical tow, one net on each side was opened from the surface down to 1000 m. Eight nets then integrated 100 meter intervals up to 200 m and eight nets on the other side integrated 25 meter intervals from 200 m to the surface. This towing strategy was used on all warm-core ring cruises to document the macrozooplankton vertical and horizontal structure from the ring center out to the adjacent Slope Water. Specialized tows were made occasionally which will be described in more detail where relevant.

SAMPLING BY CRUISE

Ring 81-D

Atlantis II Cruise 110

The first cruise in September/October 1981 was to a warm-core ring, 81-D, which was approximately 3 months of age (Joyce et al, 1983; Joyce, 1984; Joyce et al, 1984). At the time of sampling, it was located at 40°N; 64°W and had an elliptical shape with major and minor dimensions (as defined by the area enclosed by the 10°C isotherm at 300 m) of 190 and 144 km respectively. Seven double MOCNESS-1 tows were made and of these, three were taken in the ring center, one in the high velocity region, and three in the Slope Water. All except two were typical oblique tows sampling discrete depth intervals from 1000m to the surface. The other two were specialized tows designated "towys" (tow #141 and #142), which were designed to map the horizontal structure of macrozooplankton in the upper waters (usually 100m). Towys were usually conducted simultaneously with other experiments taking place on other ships. On these tows, the net system was lowered and raised repeatedly between the surface and 100 m. One net was opened on the down-leg and three nets were opened and closed on the up-leg at depths indicating strong hydrographic structure. A total of 135 samples was collected on this cruise.

Ring 82-B

Zooplankton sampling in warm-core ring 82-B took place between March and August, 1982 (RV/Oceanus cruises 116, 118, 121, and 125). This ring formed in late February 1982 by a pinch-off of a northward extending meander of the Gulf Stream centered along 68° W between 37 and 39°N. When first sampled in March, the ring was 160 km in diameter (see figure 11 in Joyce and Wiebe, 1983) and 40 km when last sampled in August.

Oceanus Cruise 116

The first cruise was the final cruise of the North Atlantic Slope Water time series which was conducted from April 1981 to March 1982. It was used opportunistically for preliminary sampling of ring 82-B for the upcoming Warm-Core Ring Program. Seven standard oblique tows to 1000 m were taken on this cruise, with one in the ring center, one in the high velocity region of the ring, and five in the surrounding Slope Water. A total of 54 samples was collected.

Oceanus Cruise 118

The next cruise took place in April and 15 standard tows to 1000 m were made. Four were made in the center of 82-B, six in the high velocity region of the ring, and five in the Slope Water producing a total of 213 samples. No specialized tows were made.

Oceanus Cruise 121

In June, the third cruise took place to ring 82-B. A total of 18

tows were made with seven in the ring center, four in the high velocity region, three in an entrainment field in the high velocity region surrounding part of the ring and four in the Slope Water. Of these 18 tows, three were specialized towyo's taken during joint ship operations with the RV/Endeavor. Two of the towyos were made in ring center (tow #183 and #184), to a depth of 100m with one net fishing from the surface to 100 m, the next net fishing from 100m back to the surface and so on for the duration of the tow. The third towyo (tow #185), was taken in the entrainment field and a different towing strategy was employed due to the complexity of the water being sampled. One net fished to 130 m and then three nets were opened and closed on the up-trace and the pattern was repeated. A total of 276 samples was collected.

Oceanus Cruise 125

The final cruise to ring 82-B took place in August. By this time the ring was significantly reduced in size and was undergoing complex interactions with the Gulf Stream and surrounding Slope Water. A total of 16 hauls were made with the double MOCNESS-1, of which only three were in the ring center, five were in the high velocity region, two in the Sargasso Sea, two in the Gulf Stream, and two in the Slope Water. No towyos were taken and all tows were standard 1000 m oblique tows producing a total of 255 samples.

Ring 82-H

Knorr Cruise 98

In September, the final cruise of the program took place in a newly forming ring (meander) which did pinch off halfway through the cruise to form ring 82-H. Eighteen tows were made on this cruise and the first eight were standard 1000 m tows made in the meander. Four were taken in the center and four on the edge of the meander. When the meander pinched off to form the ring, a series of four standard tows were made in the center and two in the Slope Water. Two towyos were taken; one in the meander edge and one in the ring center. Three other specialized tows were made for high resolution sampling to 160 meters with each net integrating 10 meter intervals. Two were made in the ring center and one in the Slope Water. A total of 287 samples were collected.

Throughout all of the cruises, ring center positions were provided by Don Olson, Robert Evans, Otis Brown and Stanford Hooker from the University of Miami (RSMAS) and were based on satellite observations of sea surface temperatures, XBT surveys of the ring, and acoustic doppler velocity measurements of the surface currents of the ring.

Detailed cruise reports are available for each cruise from the WHOI research library.

DESCRIPTION OF THE MOCNESS SYSTEMS

The MOCNESS-1 and the double MOCNESS-1D carry nine and twenty 1-m² nets respectively, usually of 335 micrometer mesh and are intended for catching macrozooplankton. Both MOCNESS systems use the same underwater and shipboard electronic system for operation and data acquisition. The nets are opened and closed sequentially by commands transmitted from the surface deck unit through a single conducting cable to the underwater unit. The underwater unit sends a data frame, comprised of temperature, depth, conductivity, net-frame angle, flow count, time, number of open net, and net opening/closing, to the deck unit every 2 seconds and from the deck unit to a microcomputer every four seconds. Temperature (to approximately 0.01° C) and conductivity are measured with SEABIRD sensors (Pederson and Gregg, 1979). Normally, a modified T.S.K.-flowmeter (Tsurumi-Sikie-Kosakusho Co., Ltd.) is used. (See Longhurst et al., 1966 for a description of the flowmeter modification). An electronic pendulum angle indicator (Humphrey) senses the angle of the net frame. A COMMODORE 8032 microcomputer, a CBM 8050 dual floppy disk drive, a CBM 4022 printer, and a HOUSTON INSTRUMENTS DPM-7 digital plotter are connected to the deck unit with an IEEE-488 interface (Figure 5), permitting shipboard data-acquisition and processing. Calculations of salinity (to approximately 0.01 ‰), the oblique and vertical velocities of the net, and the approximate volume filtered by each net are made after each string of data has been received by the computer. These data are stored on disc and printed out, and plots of temperature and salinity versus depth are made during a tow.

A more complete and detailed description of the MOCNESS systems is given in Wiebe et al, 1976, and Wiebe et al, submitted 1984.

MEASUREMENT AND CALCULATION OF BIOMASS

The non-destructive technique of measuring zooplankton displacement volume (Alhstrom, 1963; Wiebe et al 1975) was used to estimate zooplankton biomass. Most of the displacement volumes reported herein were measured four to six weeks after sample collection in order to minimize biases that are possibly introduced by shrinkage of samples in the preserving liquid. The volume of water filtered by each net was used to standardize the displacement volumes to cc's per 1000 m³.

The estimates of biomass in each stratum were used to calculate the biomass per m² in the upper 1000 m using the equation:

$$I_B = \sum_{i=1}^n \bar{b}_i * h_i$$

where I_B = integrated biomass/m², \bar{b}_i = mean biomass in strata i (in cc/m³), h_i = height of strata in meters, and n = number of strata sampled with the counts starting at the surface. The vertical distribution of biomass can be expressed in terms of the cumulative percent of biomass in the i th strata, C_i , beginning with the surface strata.

$$C_i = \frac{\bar{b}_i * h_i}{I_B} * 100 + C_{(i-1)}$$

Thus, a cumulative percent of 0 is at the surface and 100% is at 1000 m. The term, depth of median biomass, refers here to the depth at which the cumulative percent equals 50%.

CARBON CALCULATION

Carbon was calculated from displacement volumes using equation #1 from Wiebe, Boyd, and Cox (1975) which relates displacement volume to carbon:

$$\log(dv) = -1.429 + 0.808 * \log(c)$$

where dv is displacement volume in cc/m^3 and c is carbon in mg/m^3 . The units were then converted from mg/m^3 to $umoles/kg$ by converting firstly to ug/m^3 (i.e. $X \text{ } mg/m^3 * 1000 = X' \text{ } ug/m^3$), secondly to ug/kg (i.e. $X' \text{ } ug/m^3 / 1025 = X'' \text{ } ug/kg$), and thirdly, ug/kg to $umoles/kg$ by dividing by 12. Integrating carbon over a particular portion of the water column was done starting with units of $mmoles/m^3$ and multiplying this value by the depth interval (m) that was sampled.

STANDARD FILES

Standard files of zooplankton biomass were created for certain tows where there was a failure in the net system resulting in deviant from normal depth intervals. For comparison, the tows were standardized to typical depth intervals by interpolation of the data. This was done with a BASIC program that was written specifically for this purpose. Standard files were created for tows 161, 163, 165, 166, 167, 169, 171, 174, 175, and 210 and the standard tables are included in this report immediately after the corresponding non-standard tables.

TEMPERATURE AND SALINITY DETERMINATIONS

In order to monitor the surrounding environment when taking net samples, temperature and conductivity sensors were mounted onto the MOCNESS frame as described previously. Data were recorded every four seconds on the down-trace as well as the up-trace, and the average duration of a standard oblique tow to 1000 m for the lower nets was 11 minutes (165 data points) and for the upper nets, 3 minutes (45 data points). The data generated was stored on 5 1/4 inch mini-floppy disks for subsequent processing.

Editing the data involved two steps. Step one involved use of a data processing program (BASIC - written for the Commodore CBM series microcomputer) to edit out bad temperature and salinity points while calculating a mean, minimum, and maximum temperature and salinity for each net. The program used an initial value of temperature and salinity, determined from the average of the first 8 data points of net #1, which was compared with ensuing data. Since faulty salinity values were common, a single initial salinity value could be input to use for

comparison. Thus the ninth data value was compared with the average of the first eight values or in the case of salinity, with the initial input value. Temperature and salinity values deviating by more than 3.0 degrees and 1.0^o/oo respectively, were edited out. Acceptable data were cycled through a series of algorithms which determined minimum, maximum, and mean values. A running average was maintained for the eight points previous to the value being compared. On change in net number, the mean, minimum, and maximum temperatures and salinities were printed out together with the total number of valid temperature and salinity values for that particular net. The running average was maintained but the minimum and maximum values were reinitialized

The second step involved a careful perusal of the resulting printout to check for points that fit the criteria but were still bad. The number of temperature and salinity points that were actually used was compared with the total number of points, and large discrepancies were rechecked with the original printout of the data. There were many problems with the last net which often hit the surface before the last net bar was dropped. In this case, bad values arose from exposure of the sensors to the air. The data for these nets were usually hand calculated. Problems also arose in areas of sharp thermoclines where good data values might be tossed out by the program. Knowledge of the tow environment was important in making decisions about criteria and whether or not the data was good (i.e. which values to save and which ones to throw out). If there were any problems with the data, the mean, minimum, and maximum temperatures and salinities were hand calculated.

For all of the tows there was a down-trace as well as an up-trace of data recorded while fishing the net. Data from the up-trace were used for most tows because of their correspondence to where the nets were opened and closed. On a couple of tows (165 and 167), where the sensors were not working on the up-trace, the down-trace data were used to determine the mean, minimum, and maximum temperature and salinity. For two tows (208 and 218), both traces were bad so data were used from proceeding MOCNESS-20 tows (53 and 61) taken by R. H. Backus in the same hydrographic region. For a couple of tows (174 and 175), no salinity data could be obtained and none are available for tows 154-160.

ACKNOWLEDGEMENTS

This data report could not have been put together without the assistance of many people. We would like to thank Alfred Morton for his electronics expertise and his countless hours of time spent at sea in the collection of the samples. Steve Boyd was another key person in all aspects of collection, data processing, and counselling and we thank him most kindly. We would also like to thank Sally Strahle for her tireless hours spent measuring displacement volumes and Laurie Doyle for her endless laboratory work. And lastly, a special thanks to David Casso for his dogged efforts and programing in the pursuit of simplifying data processing.

This work was supported entirely by NSF grant OCE-8017248.

REFERENCES

- Ahlstrom, E.H., and J.R. Thraillkill. 1963. Plankton volume loss with time of preservation. Calif. Coop. Oceanic Fish. Invesst. Rep. 9:57-73.
- Joyce, T.M., R.W. Schmitt, and M.C. Stalcup, 1983. Influence of the Gulf Stream on the short term evolution of a warm-core ring. Aust. J. Mar. Fresh Water Res. 34:515-524
- Joyce, T.M., R.H. Backus, K. Baker, P. Blackwelder, O. Brown, R. Evans, G. Fryxell, D. Mountain, D. Olson, R. Schlitz, R.W. Schmitt, P. Smith, R. Smith, P. Wiebe, and C. Yentsch. 1984. Rapid evolution of a Gulf Stream warm-core ring. Nature 308:837-840
- Joyce, T.M. 1984. Velocity and hydrographic structure of a Gulf Stream warm-core ring. J. Physical Oceanography 14:936-947
- Joyce, R.M., and P.H. Wiebe. 1983. Warm core rings of the Gulf Stream. Oceanus 26:34-44
- Longhurst, A.R., A.D. Reith, R.E. Bower, and D.L.R. Seibert. 1966. A new system for the collection of multiple serial plankton samples. Deep-Sea Res. 13:213-222
- Pederson, A.M. and M.C. Gregg. 1979. Development of a small IN-SITU conductivity instrument. IEEE J. Oceanic Eng. OE-4(3):69-75
- Wiebe, P.H., S.H. Boyd and J.L. Cox. 1975. Relationships between zooplankton displacement volume, wet weight, dry weight, and carbon. Fishery Bulletin. 73(4): 777-786
- Wiebe, P.H., K.H. Burt, S.H. Boyd, and A.W. Morton. 1976. A multiple opening/closing net environmental sensing system for sampling zooplankton. Journal of Marine Research. 34(3). 313-326.
- Wiebe, P.H., A.W. Morton, R.H. Backus, J.E. Craddock, V.A. Barber, T.J. Cowles, and G.R. Flierl. Submitted 1984. New developments in the MOCNESS, an apparatus for sampling zooplankton and micronekton. Marine Biology.

FIGURE LEGENDS

Figure 1. Positions and corresponding Julian day of observation of three rings sampled during the study; note the position of 82-B in August 1982 is given for six different Julian day periods. The solid line traces the path of a satellite tracked drogue placed in ring 82-B in August 1982 and entrained into the Gulf Stream off Cape Hatteras on day 263. The drogue entered 82-H on day 273 while it was still a meander of the Gulf Stream. Ring 82-H was formed as the drogue reached the northeast sector of the meander.

Figures 2-7. Start and end positions of the MOCNESS tows taken during the 1981-82 warm-core ring cruises. Tow positions are plotted relative to ring center (km) and distances greater than 50 km which are plotted off scale are given in parentheses. Each cruise is contained in a separate figure and ring sampled, date, and cruise are given along with cruise duration in Julian days (in parentheses).

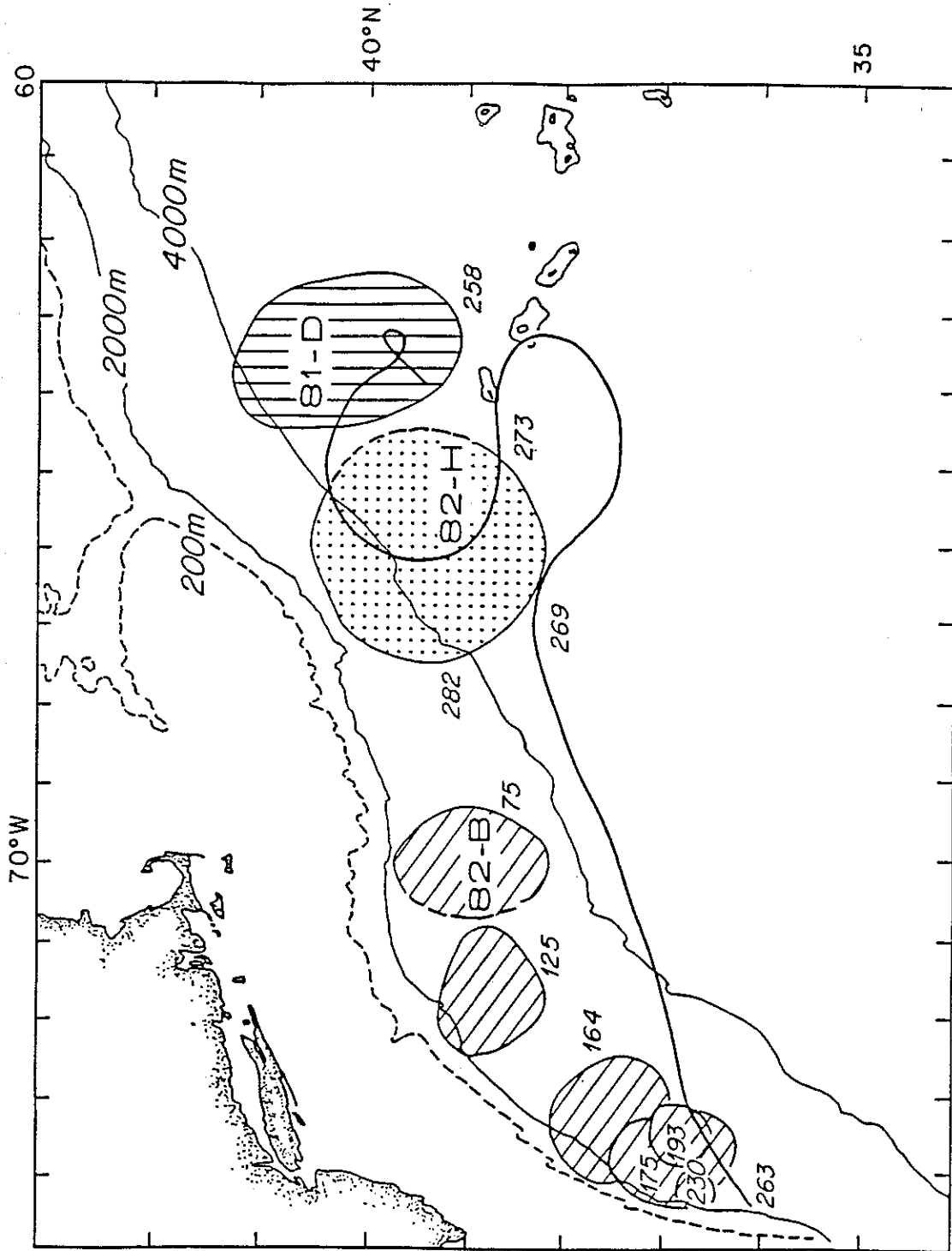
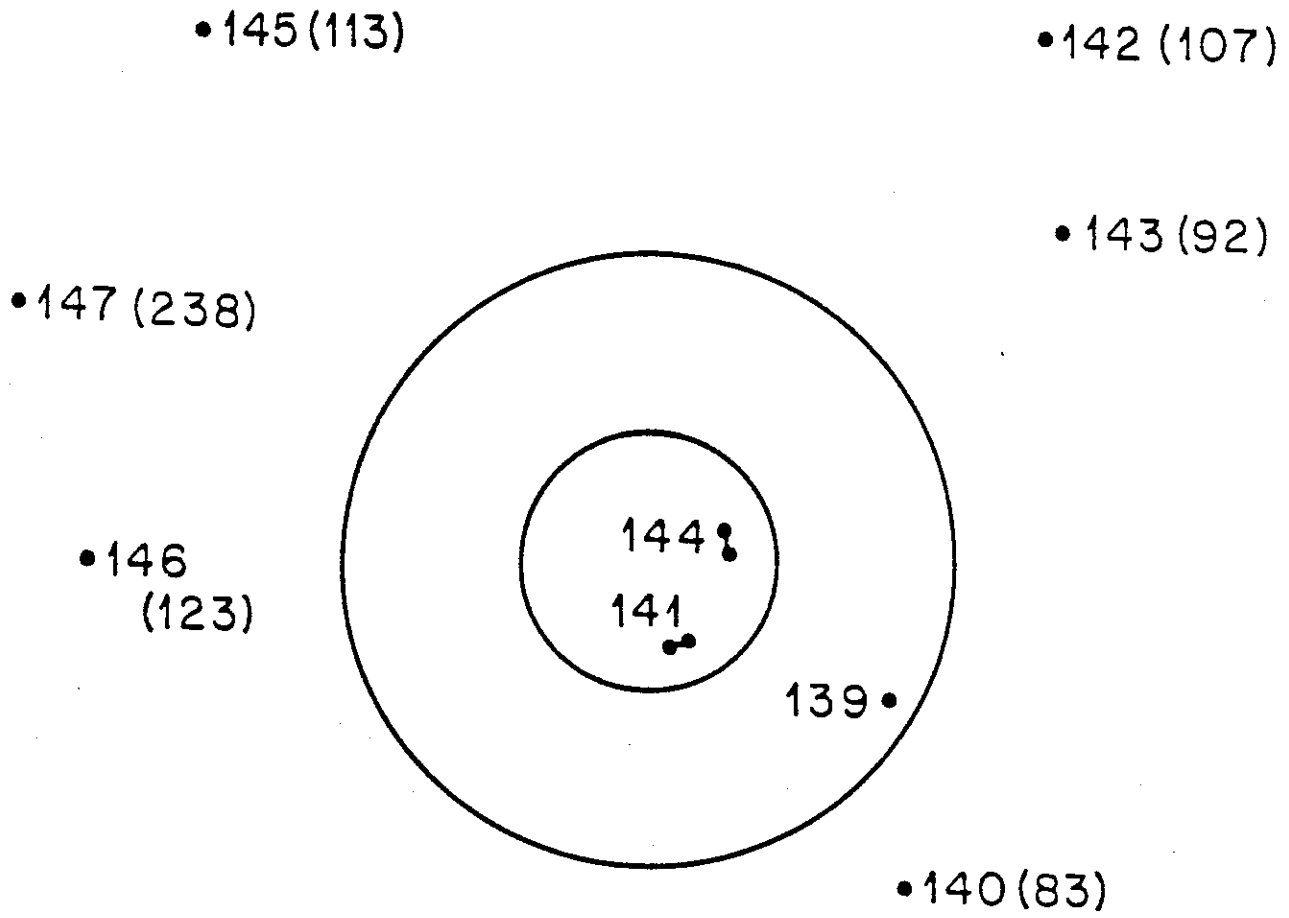
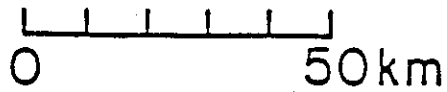
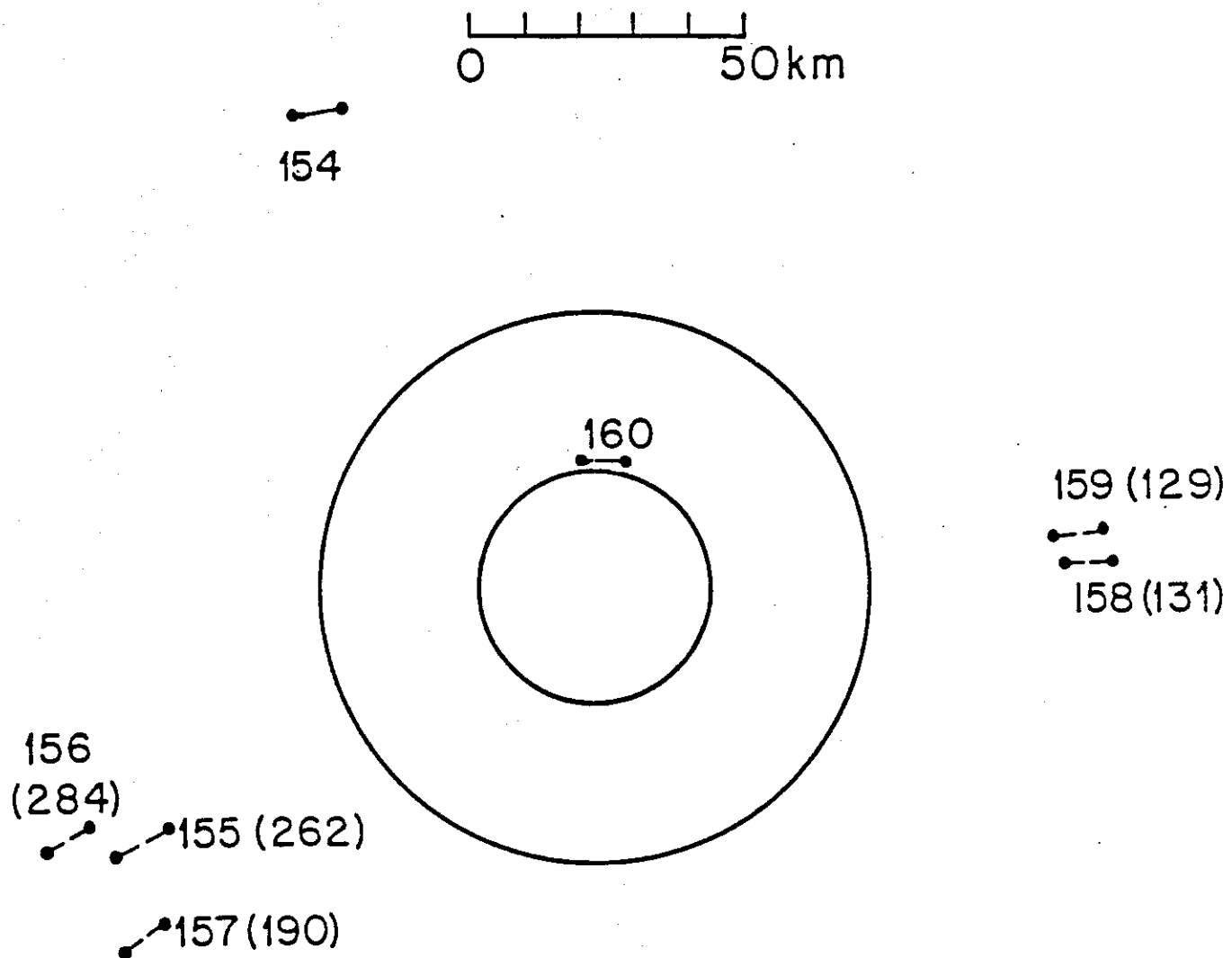


Figure 1



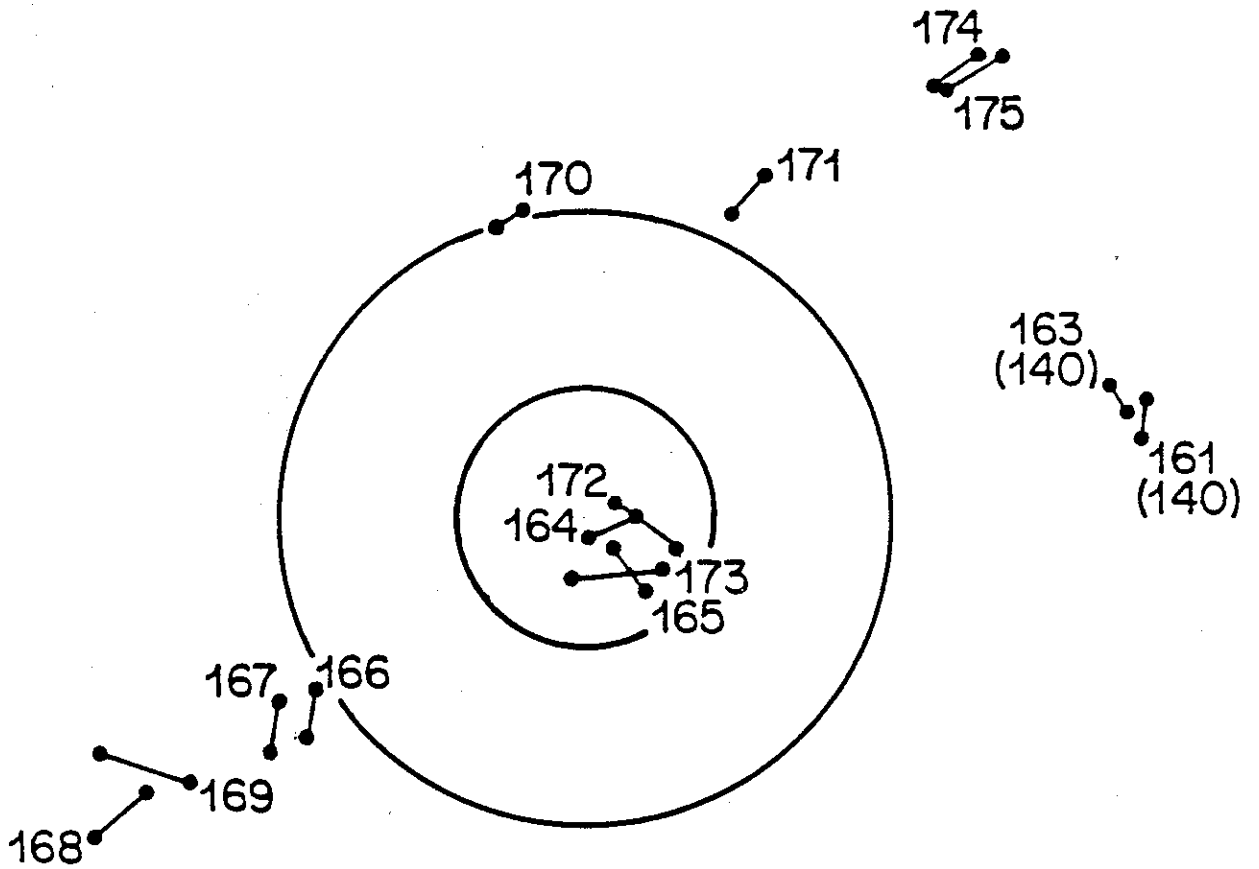
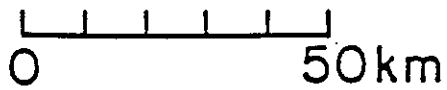
*81-D SEPT/OCT 1981
ATLANTIS II-110
(260-280)*

Figure 2



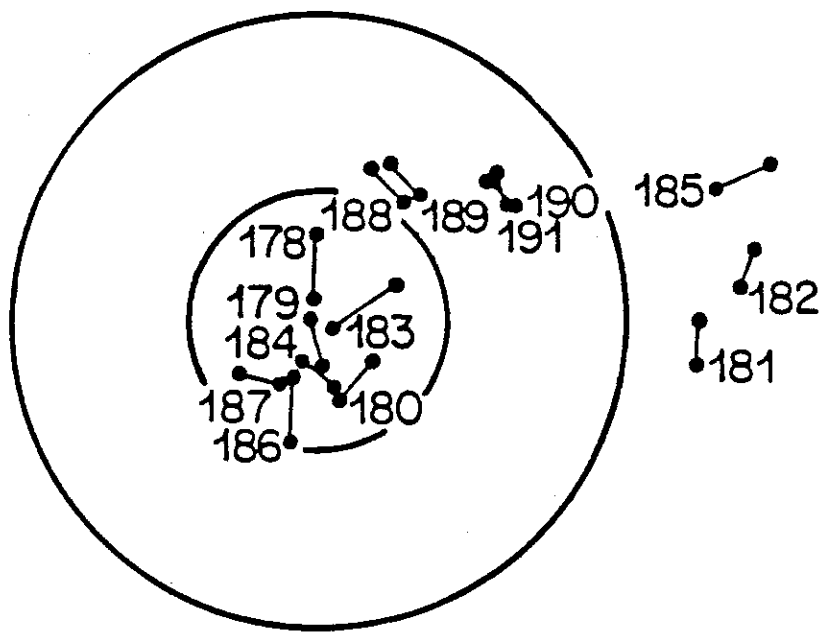
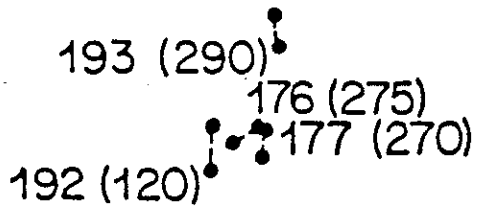
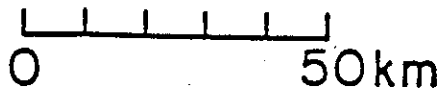
82-B MAR 1982
 OCEANUS-116
 (070-075)

Figure 3



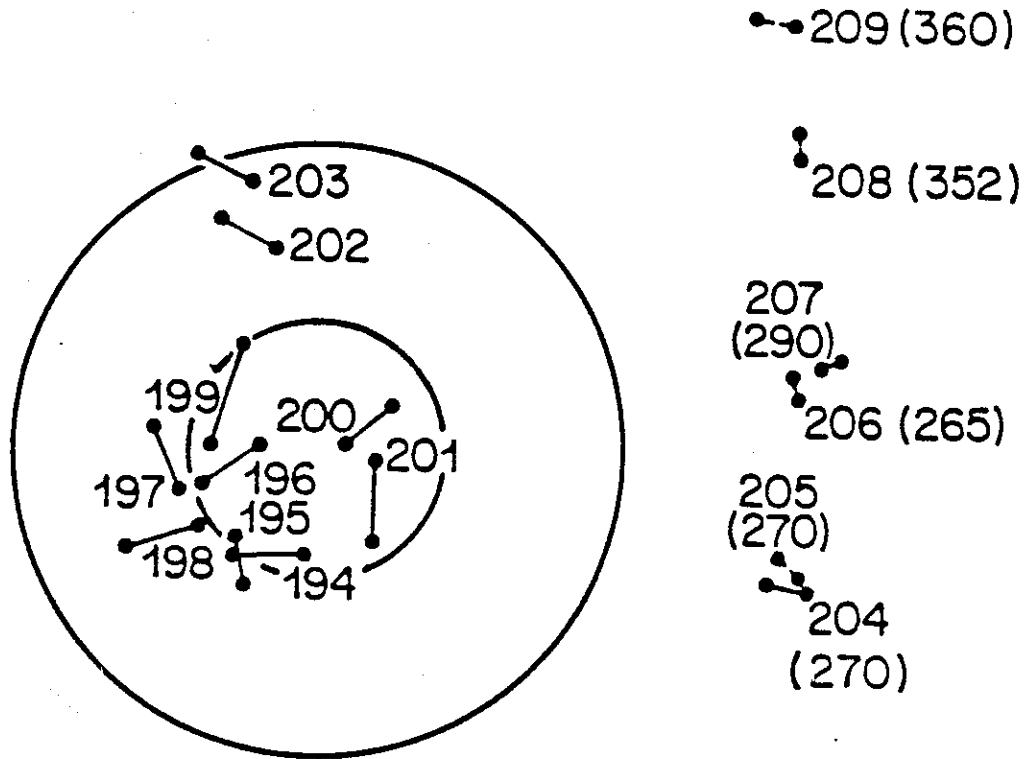
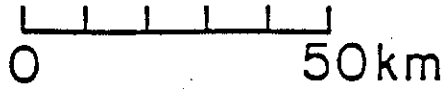
82-B APR/MAY 1982
OCEANUS-118
(108-123)

Figure 4



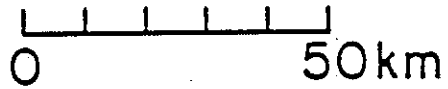
82-B JUNE / JULY 1982
OCEANUS - 121
(166 - 182)

Figure 5

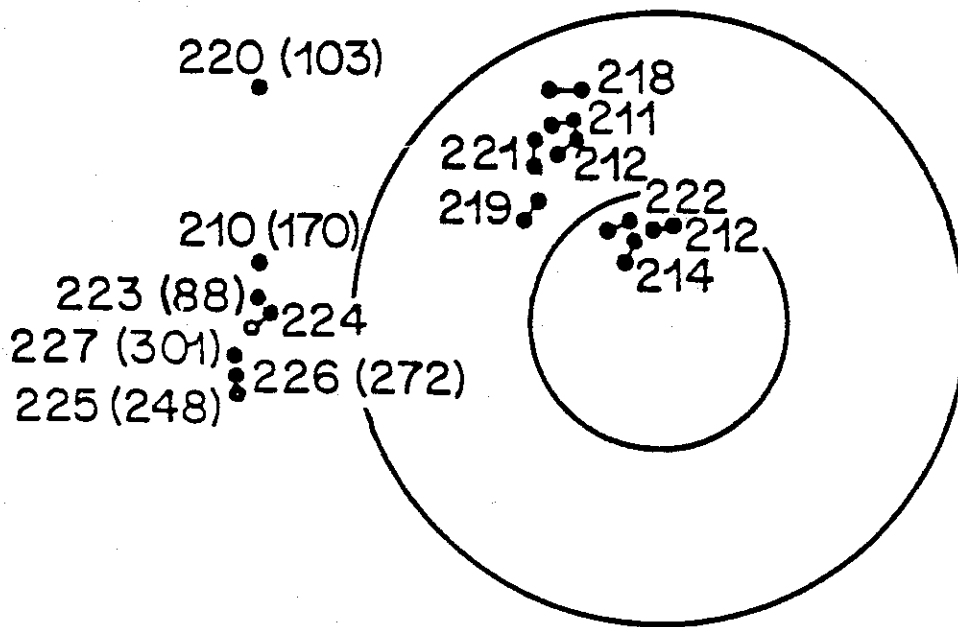


82-B AUG 1982
OCEANUS-125
(219-234)

Figure 6



215 (143)
216 (137) • • 217 (143)



82-H SEPT/OCT 1982
KNORR-98
(267-290)

Figure 7

Definitions

C(mm/m²).....Integrated carbon in millimoles per square meter

C(um/kg).....Carbon in micromoles per kilogram

CUM%.....Cumulative proportion of biomass (from surface)
at lower depth of interval

DEPTHI.....Depth interval (m)

DIST. RC.....Distance from ring center (km)

DISVOL.....Displacement volume measurement in cubic centimeters

INTBIO.....Integrated biomass (cc's/m²) for depth interval

LOWD.....Lower depth of depth interval

MAXS.....Maximum salinity for depth interval

MAXT.....Maximum temperature for depth interval

MEANS.....Mean salinity for depth interval

MEANT.....Mean temperature for depth interval

MEDIAN DEPTH...Depth at which cumulative percent of the
biomass equals 50%

MIDD.....Mid-depth of depth interval

MINS.....Minimum salinity for depth interval

MINT.....Minimum temperature for depth interval

ND.....No data

VOLFIL.....Volume filtered for depth interval (m³)

WARM-CORE RING CRUISE AND TOW INFORMATION

MOCNESS Tow No.	Date	Local Time (h)	Lat. (N.)	Long. (W.)	Depth of 10 ⁰ c (m)	Dist. RC (km)	Region
<u>Cruise AII-110</u>							
MOC-1D-139	21.ix.81	2136	40 07.9	63 23.2	685	43	Ring 81D center
MOC-1D-140	24.ix.81	1326	40 09.5	63 21.1	600	83	Ring 81D center
MOC-1D-141	26.ix.81	0937	40 22.8	63 54.8	ND	14	Ring 81D center
MOC-1D-142	27.ix.81	0912	41 08.2	63 48.1	ND	107	Ring 81D hvr
MOC-1D-143	28.ix.81	0935	41 01.1	63 33.7	385	92	Ring 81D hvr
MOC-1D-144	1.x.81	1330	40 32.2	64 25.3	595	13	Ring 81D center
MOC-1D-145	3.x.81	1830	40 15.4	65 57.0	260	113	Slope Water
MOC-1D-146	5.x.81	0920	40 12.3	66 05.9	250	123	Slope Water
MOC-1D-147	5.x.81	1850	39 56.4	67 34.6	220	238	Slope Water
<u>Cruise 0c-116</u>							
MOC-1-154	11.iii.82	2225	39 42.6	70 39.4	290	100	Ring 82B hvr
MOC-1-155	12.iii.82	2212	37 47.0	72 43.3	190	262	Slope Water
MOC-1-156	13.iii.82	1111	37 50.6	73 02.4	200	284	Slope Water
MOC-1-157	13.iii.82	2010	37 50.1	71 46.7	155	190	Slope Water
MOC-1-158	14.iii.82	2321	38 57.4	68 34.3	195	131	Slope Water
MOC-1-159	15.iii.82	0822	39 00.3	68 35.6	199	129	Slope Water
MOC-1-160	15.iii.82	1900	39 06.7	69 59.9	540	22	Ring 82B center
<u>Cruise 0c-118</u>							
MOC-1D-161	19.iv.82	0840	39 07.5	69 34.4	193	146	Slope Water
MOC-1D-162	19.iv.82	2233	39 13.1	69 37.7	245	146	Slope Water
MOC-1D-163	20.iv.82	1958	39 13.9	69 38.8	235	149	Slope Water
MOC-1D-164	22.iv.82	0917	38 53.6	71 24.0	569	2	Ring 82B center
MOC-1D-165	22.iv.82	1747	38 48.4	71 20.2	564	14	Ring 82B center
MOC-1D-166	24.iv.82	1844	38 39.9	72 02.8	456	52	Ring 82B hvr
MOC-1D-167	25.iv.82	0853	38 38.8	72 08.3	448	58	Ring 82B hvr
MOC-1D-168	26.iv.82	2145	38 26.6	72 31.1	344	96	Ring 82B hvr
MOC-1D-169	26.iv.82	1004	38 31.3	72 21.5	357	78	Ring 82B hvr
MOC-1D-170	29.iv.82	1057	39 20.9	71 53.9	347	52	Ring 82B hvr
MOC-1D-171	29.iv.82	2256	39 24.1	71 27.7	357	62	Ring 82B hvr
MOC-1D-172	30.iv.82	1305	38 55.4	71 39.4	556	4	Ring 82B center
MOC-1D-173	30.iv.82	1830	38 49.3	71 34.8	535	3	Ring 82B center
MOC-1D-174	2.v.82	1407	39 32.9	70 53.2	240	98	Slope Water
MOC-1D-175	2.v.82	1945	39 29.6	70 57.1	242	90	Slope Water

MOCNESS Tow No.	Date	Local Time (h)	Lat. (N.)	Long. (W.)	Depth of 10°C (m)	Dist. RC (km)	Region
<u>Cruise Oc-121</u>							
MOC-1D-176	16.vi.82	0650	39 04.3	71 21.0	178	286	Slope Water
MOC-1D-177	16.vi.82	2108	38 56.3	71 31.9	253	271	Slope Water
MOC-1D-178	17.vi.82	2010	37 12.0	73 35.8	561	14	Ring 82B center
MOC-1D-179	18.vi.82	1916	37 03.9	73 40.3	553	2	Ring 82B center
MOC-1D-180	19.vi.82	2012	36 54.6	73 40.1	545	14	Ring 82B center
MOC-1D-181	21.vi.82	0914	36 55.4	73 06.9	377	61	Ring 82B hvr*
MOC-1D-182	21.vi.82	1931	37 01.5	73 03.7	291	68	Ring 82B hvr*
MOC-1D-183	22.vi.82	0849	36 56.7	73 49.2	ND	3	Ring 82B center
MOC-1D-184	22.vi.82	1610	36 53.3	73 53.6	ND	7	Ring 82B center
MOC-1D-185	23.vi.82	1012	37 07.3	73 11.6	ND	67	Ring 82B hvr
MOC-1D-186	24.vi.82	1925	36 43.0	73 58.0	521	20	Ring 82B center
MOC-1D-187	25.vi.82	1110	36 47.1	73 57.7	532	11	Ring 82B center
MOC-1D-188	25.vi.82	2000	37 02.5	73 44.3	463	24	Ring 82B hvr
MOC-1D-189	26.vi.82	0943	37 02.3	73 41.8	440	26	Ring 82B hvr
MOC-1D-190	27.vi.82	0840	36 59.9	73 30.6	408	36	Ring 82B hvr
MOC-1D-191	27.vi.82	1856	36 59.2	73 29.8	410	36	Ring 82B hvr
MOC-1D-192	28.vi.82	1945	37 35.9	72 56.8	257	118	Slope Water
MOC-1D-193	29.vi.82	2035	38 53.2	71 47.2	286	294	Slope Water

<u>Cruise Oc-125</u>							
MOC-1D-194	10.viii.82	0815	36 37.7	73 38.3	414	17	Ring 82B center
MOC-1D-195	10.viii.82	2028	36 41.0	73 43.3	400	19	Ring 82B center
MOC-1D-196	11.viii.82	2041	36 53.0	73 37.5	403	10	Ring 82B center
MOC-1D-197	12.viii.82	2113	36 53.9	73 45.2	345	23	Ring 82B hvr
MOC-1D-198	13.viii.82	2130	36 55.9	73 44.9	283	22	Ring 82B hvr
MOC-1D-199	14.viii.82	0941	37 05.2	73 39.8	334	23	Ring 82B hvr
MOC-1D-200	14.viii.82	2022	37 04.1	73 41.0	325	30	Ring 82B hvr
MOC-1D-201	15.viii.82	0900	37 00.5	73 48.1	322	26	Ring 82B hvr
MOC-1D-202	16.viii.82	1922	37 09.9	74 11.1	248	44	Slope Water
MOC-1D-203	17.viii.82	0958	37 12.6	74 17.4	216	56	Slope Water
MOC-1D-204	18.viii.82	2135	36 01.6	71 15.8	982	281	Sargasso Sea
MOC-1D-205	19.viii.82	0831	36 09.1	71 29.6	929	257	Sargasso Sea
MOC-1D-206	20.viii.82	1020	36 58.6	71 19.1	635	270	Gulf Stream
MOC-1D-207	20.viii.82	2045	37 04.7	71 03.5	619	284	Gulf Stream
MOC-1D-208	21.viii.82	2013	38 15.2	70 53.0	188	342	Slope Water
MOC-1D-209	22.viii.82	0857	39 03.6	71 00.2	228	387	Slope Water

<u>Cruise Kn-98</u>							
MOC-1D-210	27.ix.82	1958	39 20.4	65 46.4	528	171	Meander 82H edge
MOC-1D-211	29.ix.82	2003	39 25.8	64 08.1	849	39	Meander 82H center
MOC-1D-212	30.ix.82	1102	39 18.7	64 03.6	831	16	Meander 82H center
MOC-1D-213	30.ix.82	2014	39 29.5	64 18.5	852	35	Meander 82H center
MOC-1D-214	2.x.82	0826	39 25.4	64 27.7	844	16	Meander 82H center
MOC-1D-215	4.x.82	2158	40 40.3	65 00.6	299	143	Meander 82H edge
MOC-1D-216	5.x.82	0807	40 37.3	64 57.3	316	137	Meander 82H edge
MOC-1D-217	6.x.82	0938	40 40.1	65 50.2	307	143	Meander 82H edge
MOC-1D-218	6.x.82	2043	39 52.9	65 12.1	727	42	Ring 82H center
MOC-1D-219	8.x.82	0728	39 24.1	65 18.9	844	31	Ring 82H center
MOC-1D-220	8.x.82	1640	39 29.3	65 33.0	820	103	Ring 82H center
MOC-1D-221	9.x.82	0947	39 29.8	65 28.6	800	39	Ring 82H center
MOC-1D-222	9.x.82	2040	39 18.8	65 12.1	755	18	Ring 82H center
MOC-1D-223	12.x.82	2230	39 07.3	66 04.8	828	88	Ring 82H center
MOC-1D-224	13.x.82	0836	39 07.8	66 04.2	838	74	Ring 82H center
MOC-1D-225	14.x.82	2100	39 03.8	67 51.2	250	248	Slope Water
MOC-1D-226	15.x.82	0753	39 03.2	68 08.4	245	272	Slope Water
MOC-1D-227	16.x.82	0853	38 56.7	68 35.5	236	301	Slope Water

*Entrainment field

WARM-CORE RING TOW AND INTEGRATED ZOOPLANKTON BIOMASS

MOCNESS Tow No.	Date	Local Time (h)	Median Depth (50%)	Int. Bio. (200m)	Int. Bio. (1000m)	Depth of 10°C (m)	Region
<u>Cruise AII-110</u>							
MOC-1D-139	21.ix.81	2136	108.8	39.1	66.6	685	Ring 81D center
MOC-1D-140	24.ix.81	1326	603.4	20.3	101.4	600	Ring 81D center
MOC-1D-141	26.ix.81	0937	ND	ND	ND	ND	Ring 81D center
MOC-1D-142	27.ix.81	0912	ND	ND	ND	ND	Ring 81D hvr
MOC-1D-143	28.ix.81	0935	442.1	24.1	65.2	385	Ring 81D hvr
MOC-1D-144	1.x.81	1330	289.6	27.7	63.1	595	Ring 81D center
MOC-1D-145	3.x.81	1830	331.8	26.0	91.3	260	Slope Water
MOC-1D-146	5.x.81	0920	460.2	16.6	67.4	250	Slope Water
MOC-1D-147	5.x.81	1850	402.6	17.1	106.8	220	Slope Water
<u>Cruise Oc-116</u>							
MOC-1-154	11.iii.82	2225	338.6	16.8	42.7	290	Ring 82B hvr
MOC-1-155	12.iii.82	2212	178.8	27.3	52.2	190	Slope Water
MOC-1-156	13.iii.82	1111	329.2	34.1	82.9	200	Slope Water
MOC-1-157	13.iii.82	2010	255.6	29.2	62.1	155	Slope Water
MOC-1-158	14.iii.82	2321	342.4	20.6	50.2	195	Slope Water
MOC-1-159	15.iii.82	0822	522.2	10.1	57.4	199	Slope Water
MOC-1-160	15.iii.82	1900	471.1	8.1	30.7	540	Ring 82B center
<u>Cruise Oc-118</u>							
MOC-1D-161	19.iv.82	0840	191.7	44.8	88.8	193	Slope Water
MOC-1D-162	19.iv.82	2233	ND	ND	ND	245	Slope Water
MOC-1D-163	20.iv.82	1958	66.5	66.7	102.7	235	Slope Water
MOC-1D-164	22.iv.82	0917	396.5	17.4	54.8	569	Ring 82B center
MOC-1D-165	22.iv.82	1747	396.2	14.0	37.3	564	Ring 82B center
MOC-1D-166	24.iv.82	1844	101.1	47.5	76.9	456	Ring 82B hvr
MOC-1D-167	25.iv.82	0853	376.0	19.7	65.7	448	Ring 82B hvr
MOC-1D-168	26.iv.82	2145	24.6	112.6	144.7	344	Ring 82B hvr
MOC-1D-169	26.iv.82	1004	92.6	73.8	128.2	357	Ring 82B hvr
MOC-1D-170	29.iv.82	1057	193.3	49.5	98.1	347	Ring 82B hvr
MOC-1D-171	29.iv.82	2256	135.3	49.5	87.2	357	Ring 82B hvr
MOC-1D-172	30.iv.82	1305	361.0	18.6	49.7	556	Ring 82B center
MOC-1D-173	30.iv.82	1830	328.0	22.0	61.3	535	Ring 82B center
MOC-1D-174	2.v.82	1407	94.7	90.4	148.3	240	Slope Water
MOC-1D-175	2.v.82	1945	89.1	87.9	136.6	242	Slope Water

MOCNESS Tow No.	Date	Local Time (h)	Median Depth (50%)	Int. Bio. (200m)	Int. Bio. (1000m)	Depth of 10 ⁰ c (m)	Region
<u>Cruise 0c-121</u>							
MOC-1D-176	16.vi.82	0650	413.8	23.2	60.1	178	Slope Water
MOC-1D-177	16.vi.82	2108	303.0	34.1	72.7	253	Slope Water
MOC-1D-178	17.vi.82	2010	ND	ND	ND	561	Ring 82B center
MOC-1D-179	18.vi.82	1916	166.9	41.9	77.9	553	Ring 82B center
MOC-1D-180	19.vi.82	2012	234.9	31.1	65.2	545	Ring 82B center
MOC-1D-181	21.vi.82	0914	449.0	19.0	57.1	377	Ring 82B hvr*
MOC-1D-182	21.vi.82	1931	348.6	32.8	85.6	291	Ring 82B hvr*
MOC-1D-183	22.vi.82	0849	ND	ND	ND	ND	Ring 82B center
MOC-1D-184	22.vi.82	1610	ND	ND	ND	ND	Ring 82B center
MOC-1D-185	23.vi.82	1012	ND	ND	ND	ND	Ring 82B hvr*
MOC-1D-186	24.vi.82	1925	155.4	53.9	96.2	521	Ring 82B center
MOC-1D-187	25.vi.82	1110	264.2	33.5	72.0	532	Ring 82B center
MOC-1D-188	25.vi.82	2000	119.2	64.0	109.8	463	Ring 82B hvr
MOC-1D-189	26.vi.82	0943	541.5	19.2	80.0	440	Ring 82B hvr
MOC-1D-190	27.vi.82	0840	482.1	23.2	93.0	408	Ring 82B hvr
MOC-1D-191	27.vi.82	1856	272.5	50.8	112.9	410	Ring 82B hvr
MOC-1D-192	28.vi.82	1945	430.1	24.7	112.9	257	Slope Water
MOC-1D-193	29.vi.82	2035	430.1	22.4	51.8	286	Slope Water

<u>Cruise 0c-125</u>							
MOC-1D-194	10.viii.82	0815	386.2	36.0	105.4	414	Ring 82B center
MOC-1D-195	10.viii.82	2028	ND	ND	ND	400	Ring 82B center
MOC-1D-196	11.viii.82	2041	305.8	39.5	97.1	403	Ring 82B center
MOC-1D-197	12.viii.82	2113	331.1	35.9	86.5	345	Ring 82B hvr
MOC-1D-198	13.viii.82	2130	330.9	36.9	89.8	283	Ring 82B hvr
MOC-1D-199	14.viii.82	0941	437.5	25.9	39.8	334	Ring 82B hvr
MOC-1D-200	14.viii.82	2022	336.0	40.1	98.6	325	Ring 82B hvr
MOC-1D-201	15.viii.82	0900	404.4	32.7	91.2	322	Ring 82B hvr
MOC-1D-202	16.viii.82	1922	230.0	58.5	121.3	248	Slope Water
MOC-1D-203	17.viii.82	0958	446.8	39.1	152.1	216	Slope Water
MOC-1D-204	18.viii.82	2135	228.0	28.7	59.1	982	Sargasso Sea
MOC-1D-205	19.viii.82	0831	342.0	20.8	53.5	929	Sargasso Sea
MOC-1D-206	20.viii.82	1020	448.7	16.9	49.3	635	Gulf Stream
MOC-1D-207	20.viii.82	2045	253.2	24.2	51.8	619	Gulf Stream
MOC-1D-208	21.viii.82	2013	364.3	30.6	74.2	188	Slope Water
MOC-1D-209	22.viii.82	0857	14.5	414.5	457.5	228	Slope Water

<u>Cruise Kn-98</u>							
MOC-1D-210	27.ix.82	1958	397.8	16.6	46.0	528	Meander 82H edge
MOC-1D-211	29.ix.82	2003	216.7	22.6	46.3	849	Meander 82H center
MOC-1D-212	30.ix.82	1102	304.7	21.4	52.7	831	Meander 82H center
MOC-1D-213	30.ix.82	2014	355.0	19.2	45.2	852	Meander 82H center
MOC-1D-214	2.x.82	0826	328.8	15.0	36.5	844	Meander 82H center
MOC-1D-215	4.x.82	2158	359.2	25.8	61.4	299	Meander 82H edge
MOC-1D-216	5.x.82	0807	502.9	18.3	58.5	316	Meander 82H edge
MOC-1D-217	6.x.82	0938	ND	ND	ND	307	Meander 82H edge
MOC-1D-218	6.x.82	2043	222.2	21.4	43.7	727	Ring 82H center
MOC-1D-219	8.x.82	0728	436.8	13.6	43.5	844	Ring 82H center
MOC-1D-220	8.x.82	1640	ND	ND	ND	820	Ring 82H center
MOC-1D-221	9.x.82	0947	ND	ND	ND	800	Ring 82H center
MOC-1D-222	9.x.82	2040	ND	ND	ND	755	Ring 82H center
MOC-1D-223	12.x.82	2230	193.6	21.5	41.6	828	Ring 82H center
MOC-1D-224	13.x.82	0836	283.1	20.4	46.9	838	Ring 82H center
MOC-1D-225	14.x.82	2100	219.8	34.1	70.8	250	Slope Water
MOC-1D-226	15.x.82	0753	374.7	26.7	72.4	245	Slope Water
MOC-1D-227	16.x.82	0853	ND	ND	ND	236	Slope Water

*Entrainment field

MOCNESS-1D-139
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	80	209.0
17	25	37.5	50	50	165.0
16	25	62.5	75	95	248.0
15	25	87.5	100	20	82.0
14	25	112.5	125	10	185.0
13	25	137.5	150	15	311.5
12	25	162.5	175	10	174.6
11	25	187.5	200	5	53.7
8	100	250.0	300	15	455.4
7	100	350.0	400	15	446.2
6	100	450.0	500	25	837.2
5	100	550.0	600	20	644.3
4	100	650.0	700	15	298.5
3	100	750.0	800	25	835.6
2	100	850.0	900	20	543.0
1	100	950.0	1000	25	828.6

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	382.8	.144	9.57	1.454	37.26
17	303.0	.257	7.58	1.089	27.91
16	383.1	.401	9.58	1.455	37.28
15	243.9	.493	6.10	.832	21.32
14	54.1	.513	1.35	.129	3.31
13	48.2	.531	1.21	.112	2.87
12	57.3	.553	1.43	.139	3.56
11	93.1	.588	2.33	.253	6.48
8	32.9	.637	3.29	.070	7.18
7	33.6	.688	3.36	.072	7.38
6	29.9	.732	2.99	.062	6.36
5	31.0	.779	3.10	.065	6.66
4	50.3	.854	5.03	.118	12.10
3	29.9	.899	2.99	.062	6.36
2	36.8	.955	3.68	.080	8.20
1	30.2	1.000	3.02	.063	6.46

MOCNESS-1D-140
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	35	132.6
17	25	37.5	50	15	125.5
16	25	62.5	75	15	80.7
15	25	87.5	100	5	132.8
14	25	112.5	125	5	96.3
13	25	137.5	150	10	190.2
12	25	162.5	175	5	108.9
11	25	187.5	200	7	126.7
8	100	250.0	300	10	177.2
7	100	350.0	400	10	114.8
6	100	450.0	500	10	114.8
5	100	550.0	600	20	293.0
4	80	640.0	680	25	165.5
3	120	740.0	800	60	775.8
2	100	850.0	900	25	99.8
1	100	950.0	1000	20	416.5

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	264.0	.065	6.60	.918	23.52
17	119.5	.095	2.99	.344	8.82
16	185.9	.140	4.65	.595	15.25
15	37.7	.150	.94	.083	2.13
14	51.9	.162	1.30	.123	3.15
13	52.6	.175	1.32	.125	3.20
12	45.9	.187	1.15	.105	2.69
11	55.2	.200	1.38	.132	3.38
8	56.4	.256	5.64	.136	13.94
7	87.1	.342	8.71	.233	23.88
6	87.1	.428	8.71	.233	23.88
5	68.3	.495	6.83	.172	17.63
4	151.1	.614	12.09	.460	37.72
3	77.3	.706	9.28	.201	24.72
2	250.5	.953	25.05	.860	88.15
1	48.0	1.000	4.80	.111	11.38

MOCNESS-1D-141
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	DISVOL	VOLFIL
1	40	80.0	10	411.9
2	35	42.5	30	406.4
3	25	12.5	20	387.4
4	100	50.0	20	398.5
5	40	80.0	13	314.9
6	35	42.5	55	397.5
7	25	12.5	25	252.5
8	100	50.0	27	379.9
11	40	80.0	10	273.3
12	35	42.5	45	307.2
13	25	12.5	25	223.1
14	100	50.0	35	488.7
15	40	80.0	15	488.7
16	35	42.5	30	332.6
18	25	12.5	50	381.5

NET#	CC/1000M3	INTBIO	C (UM/KG)	C (MM/M2)
1	24.3	.97	.048	1.97
2	73.8	2.58	.190	6.82
3	51.6	1.29	.122	3.13
4	50.2	5.02	.118	12.10
5	41.3	1.65	.092	3.77
6	138.4	4.84	.413	14.82
7	99.0	2.48	.273	7.00
8	71.1	7.11	.181	18.55
11	36.6	1.46	.080	3.28
12	146.5	5.13	.443	15.89
13	112.1	2.80	.318	8.15
14	71.6	7.16	.183	18.76
15	30.7	1.23	.064	2.62
16	90.2	3.16	.243	8.72
18	131.1	3.28	.386	9.89

MOCNESS-1D-142
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	DISVOL	VOLFIL
1	20	90.0	20	256.3
2	30	65.0	30	294.3
3	50	25.0	40	231.3
4	100	50.0	32	374.8
5	20	90.0	20	401.1
6	30	65.0	65	362.9
7	50	25.0	30	331.1
8	100	50.0	85	357.3

NET#	CC/1000M3	INTBIO	C (UM/KG)	C (MM/M2)
1	78.0	1.56	.203	4.16
2	101.9	3.06	.283	8.70
3	172.9	8.65	.544	27.88
4	85.4	8.54	.227	23.27
5	49.9	1.00	.117	2.40
6	179.1	5.37	.568	17.47
7	90.6	4.53	.244	12.51
8	237.9	23.79	.807	82.72

MOCNESS-1D-143
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	105	358.4
17	25	37.5	50	55	192.9
16	25	62.5	75	25	247.2
15	25	87.5	100	12	223.1
14	25	112.5	125	10	297.4
13	25	137.5	150	15	181.1
12	25	162.5	175	12	193.9
11	25	187.5	200	10	193.5
8	100	250.0	300	12	547.8
7	100	350.0	400	20	541.1
6	100	450.0	500	23	368.1
5	100	550.0	600	27	415.9
4	100	650.0	700	30	369.3
3	100	750.0	800	40	515.0
2	100	850.0	900	15	484.3
1	100	950.0	1000	20	570.7

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	293.0	.112	7.33	1.044	26.75
17	285.1	.222	7.13	1.010	25.88
16	101.1	.260	2.53	.280	7.18
15	53.8	.281	1.35	.128	3.28
14	33.6	.294	.84	.072	1.85
13	82.8	.326	2.07	.219	5.61
12	61.9	.349	1.55	.152	3.90
11	51.7	.369	1.29	.122	3.13
8	21.9	.403	2.19	.042	4.31
7	37.0	.460	3.70	.081	8.30
6	62.5	.555	6.25	.154	15.79
5	64.9	.655	6.49	.162	16.61
4	81.2	.780	8.12	.213	21.83
3	77.7	.899	7.77	.202	20.71
2	31.0	.946	3.10	.065	6.66
1	35.0	1.000	3.50	.075	7.69

MOCNESS-1D-144
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	75	261.1
17	25	37.5	50	85	273.5
16	25	62.5	75	23	106.2
15	25	87.5	100	17	198.8
14	25	112.5	125	17	157.9
13	25	137.5	150	5	118.2
12	25	162.5	175	5	150.3
11	25	187.5	200	5	194.1
8	100	250.0	300	20	467.4
7	100	350.0	400	10	417.4
6	100	450.0	500	15	430.4
5	100	550.0	600	37	355.4
4	100	650.0	700	20	389.9
3	100	750.0	800	15	431.3
2	100	850.0	900	12	405.4
1	100	950.0	1000	15	467.8

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	287.2	.114	7.18	1.019	26.11
17	310.8	.237	7.77	1.123	28.78
16	216.6	.323	5.42	.719	18.42
15	85.5	.357	2.14	.227	5.82
14	107.7	.399	2.69	.303	7.76
13	42.3	.416	1.06	.095	2.43
12	33.3	.429	.83	.071	1.82
11	25.8	.440	.65	.052	1.33
8	42.8	.507	4.28	.097	9.94
7	24.0	.545	2.40	.047	4.82
6	34.9	.601	3.49	.075	7.69
5	104.1	.766	10.41	.290	29.73
4	51.3	.847	5.13	.121	12.40
3	34.8	.902	3.48	.075	7.69
2	29.6	.949	2.96	.061	6.25
1	32.1	1.000	3.21	.068	6.97

MOCNESS-1D-145
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	50	215.9
17	25	37.5	50	55	162.6
16	25	62.5	75	15	150.9
15	25	87.5	100	30	554.4
14	25	112.5	125	15	132.0
13	25	137.5	150	15	194.7
12	25	162.5	175	15	231.1
11	25	187.5	200	12	198.6
8	100	250.0	300	80	505.0
7	100	350.0	400	60	499.6
6	100	450.0	500	30	444.9
5	100	550.0	600	85	792.1
4	100	650.0	700	20	317.4
3	100	750.0	800	20	422.7
2	100	850.0	900	20	381.4
1	100	950.0	1000	15	400.9

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	231.6	.063	5.79	.781	20.01
17	338.3	.156	8.46	1.248	31.98
16	99.4	.183	2.49	.274	7.02
15	54.1	.198	1.35	.129	3.31
14	113.6	.229	2.84	.323	8.28
13	77.0	.250	1.93	.200	5.13
12	64.9	.268	1.62	.162	4.15
11	60.4	.285	1.51	.148	3.79
8	158.4	.458	15.84	.488	50.02
7	120.1	.590	12.01	.346	35.47
6	67.4	.663	6.74	.169	17.32
5	107.3	.781	10.73	.301	30.85
4	63.0	.850	6.30	.156	15.99
3	47.3	.902	4.73	.109	11.17
2	52.4	.959	5.24	.124	12.71
1	37.4	1.000	3.74	.082	8.41

MOCNESS-1D-146
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	15	170.5
17	25	37.5	50	11	124.1
16	25	62.5	75	8	124.1
15	25	87.5	100	15	173.6
14	25	112.5	125	8	139.8
13	25	137.5	150	15	215.8
12	25	162.5	175	27	207.2
11	25	187.5	200	15	186.4
8	100	250.0	300	28	372.2
7	100	350.0	400	18	312.1
6	100	450.0	500	30	480.5
5	100	550.0	600	40	303.1
4	100	650.0	700	20	303.1
3	100	750.0	800	15	414.7
2	100	850.0	900	15	278.7
1	100	950.0	1000	12	495.1

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	88.0	.033	2.20	.236	6.05
17	88.6	.066	2.22	.238	6.10
16	64.5	.089	1.61	.160	4.10
15	86.4	.122	2.16	.230	5.89
14	57.2	.143	1.43	.138	3.54
13	69.5	.169	1.74	.176	4.51
12	130.3	.217	3.26	.383	9.81
11	80.5	.247	2.01	.211	5.41
8	75.2	.358	7.52	.194	19.89
7	57.7	.444	5.77	.140	14.35
6	62.4	.537	6.24	.154	15.79
5	132.0	.733	13.20	.389	39.87
4	66.0	.831	6.60	.165	16.91
3	36.2	.884	3.62	.079	8.10
2	53.8	.964	5.38	.128	13.12
1	24.2	1.000	2.42	.048	4.92

MOCNESS-1D-147
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	45	263.1
17	25	37.5	50	15	190.8
16	25	62.5	75	15	180.0
15	25	87.5	100	20	180.4
14	25	112.5	125	15	176.9
13	25	137.5	150	10	245.2
12	25	162.5	175	10	185.1
11	25	187.5	200	15	242.5
8	100	250.0	300	50	728.2
7	100	350.0	400	100	347.4
6	100	450.0	500	180	725.7
5	100	550.0	600	35	719.4
4	100	650.0	700	30	405.4
3	100	750.0	800	22	347.8
2	100	850.0	900	35	692.0
1	100	950.0	1000	20	358.4

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	171.0	.040	4.28	.536	13.74
17	78.6	.058	1.97	.205	5.25
16	83.3	.078	2.08	.220	5.64
15	110.9	.104	2.77	.314	8.05
14	84.8	.124	2.12	.225	5.77
13	40.8	.133	1.02	.091	2.33
12	54.0	.146	1.35	.129	3.31
11	61.9	.160	1.55	.152	3.90
8	68.7	.225	6.87	.173	17.73
7	287.9	.494	28.79	1.022	104.76
6	248.0	.726	24.80	.850	87.13
5	48.7	.772	4.87	.113	11.58
4	74.0	.841	7.40	.190	19.48
3	63.3	.900	6.33	.157	16.09
2	50.6	.948	5.06	.119	12.20
1	55.8	1.000	5.58	.134	13.74

MOCNESS-1-154
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
8	100	50.0	100	55	395.7
7	100	150.0	200	13	446.3
6	100	250.0	300	15	472.7
5	250	425.0	550	60	1694.8
4	150	625.0	700	30	952.8
3	130	765.0	830	25	628.0
2	170	915.0	1000	15	637.8

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
8	139.0	.325	13.90	.415	42.54
7	29.1	.393	2.91	.060	6.15
6	31.7	.468	3.17	.067	6.87
5	35.4	.675	8.85	.076	19.48
4	31.5	.785	4.72	.066	10.15
3	39.8	.906	5.18	.088	11.73
2	23.5	1.000	4.00	.046	8.02

MOCNESS-1-155
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
7	100	50.0	100	110	512.5
6	100	150.0	200	35	596.9
5	100	250.0	300	27	647.1
4	100	350.0	400	45	920.5
3	150	475.0	550	40	1010.9
2	150	625.0	700	20	1033.7
1	150	775.0	850	25	919.4

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
7	214.6	.435	21.46	.710	72.78
6	58.6	.554	5.86	.143	14.66
5	41.7	.639	4.17	.094	9.64
4	48.9	.738	4.89	.114	11.69
3	39.6	.858	5.94	.088	13.53
2	19.4	.917	2.90	.036	5.54
1	27.2	1.000	4.08	.055	8.46

MOCNESS-1-156
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
8	100	50.0	100	150	503.0
7	100	150.0	200	30	707.1
6	100	250.0	300	40	784.3
5	100	350.0	400	60	755.1
4	150	475.0	550	110	850.7
3	150	625.0	700	35	795.9
2	150	775.0	850	50	976.5
1	150	925.0	1000	12	832.0

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
8	298.2	.360	29.82	1.067	109.37
7	42.4	.411	4.24	.096	9.84
6	51.0	.472	5.10	.120	12.30
5	79.5	.568	7.95	.208	21.32
4	129.3	.802	19.40	.379	58.27
3	44.0	.881	6.60	.100	15.38
2	51.2	.974	7.68	.121	18.60
1	14.4	1.000	2.16	.025	3.84

MOCNESS-1-157
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
8	100	50.0	100	155	621.9
7	100	150.0	200	20	468.6
6	100	250.0	300	17	501.1
5	100	350.0	400	20	646.3
4	150	475.0	550	30	745.3
3	150	625.0	700	80	1010.2
2	150	775.0	850	40	1044.5
1	150	925.0	1000	15	808.4

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
8	249.2	.401	24.92	.855	87.64
7	42.7	.470	4.27	.096	9.84
6	33.9	.524	3.39	.072	7.38
5	30.9	.574	3.09	.065	6.66
4	40.3	.671	6.05	.090	13.84
3	79.2	.863	11.88	.207	31.83
2	38.3	.955	5.75	.084	12.92
1	18.6	1.000	2.79	.034	5.23

MOCNESS-1-158
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
8	100	50.0	100	100	617.1
7	100	150.0	200	30	687.7
6	100	250.0	300	15	584.5
5	100	350.0	400	20	432.3
4	150	475.0	550	35	941.6
3	150	625.0	700	35	1116.0
2	150	775.0	850	75	1342.9
1	150	925.0	1000	15	597.5

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
8	162.1	.323	16.21	.502	51.46
7	43.6	.410	4.36	.099	10.15
6	25.7	.461	2.57	.051	5.23
5	46.3	.553	4.63	.106	10.87
4	37.2	.664	5.58	.081	12.45
3	31.4	.758	4.70	.066	10.15
2	55.9	.925	8.38	.134	20.60
1	25.1	1.000	3.77	.050	7.69

MOCNESS-1-159
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
8	100	50.0	100	28	559.6
7	100	150.0	200	28	559.6
6	100	250.0	300	20	403.4
5	100	350.0	400	40	542.1
4	150	475.0	550	40	776.1
3	150	625.0	700	45	646.3
2	150	775.0	850	50	1062.4
1	150	925.0	1000	40	613.8

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
8	49.1	.086	4.91	.114	11.69
7	49.1	.172	4.91	.114	11.69
6	49.6	.259	4.96	.116	11.89
5	73.8	.388	7.38	.190	19.48
4	51.5	.523	7.73	.121	18.60
3	69.6	.705	10.44	.176	27.06
2	47.1	.829	7.07	.109	16.76
1	65.2	1.000	9.78	.163	25.06

MOCNESS-1-160
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
8	75	37.5	75	13	317.0
7	125	137.5	200	30	831.1
6	100	250.0	300	20	652.9
5	100	350.0	400	10	511.9
4	150	475.0	550	20	636.9
3	150	625.0	700	20	947.0
2	150	775.0	850	30	886.7
1	150	925.0	1000	15	484.8

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
8	41.0	.102	3.08	.092	7.07
7	36.1	.251	4.51	.078	9.99
6	30.6	.353	3.06	.064	6.56
5	19.5	.417	1.95	.037	3.79
4	31.4	.574	4.71	.066	10.15
3	21.1	.678	3.17	.040	6.15
2	33.8	.846	5.07	.072	11.07
1	30.9	1.000	4.64	.065	9.99

MOCNESS-1D-161
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
14	50	25.0	50	290	479.7
13	50	75.0	100	60	369.4
12	50	125.0	150	25	318.6
11	25	162.5	175	10	202.8
7	25	187.5	200	0	0.0
6	100	250.0	300	15	271.3
5	100	350.0	400	23	376.3
4	200	500.0	600	30	562.6
3	70	635.0	670	17	201.3
2	80	710.0	750	12	213.5
1	250	875.0	1000	25	553.8

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
14	604.5	.340	30.23	2.560	131.20
13	162.4	.432	8.12	.503	25.78
12	78.5	.476	3.92	.205	10.51
11	49.3	.490	1.23	.115	2.95
7	52.3	.505	1.31	.124	3.18
6	55.3	.567	5.53	.133	13.63
5	61.1	.636	6.11	.150	15.38
4	53.3	.756	10.66	.127	26.04
3	84.5	.822	5.91	.224	16.07
2	56.2	.873	4.50	.135	11.07
1	45.1	1.000	11.29	.103	26.39

MOCNESS-1D-163
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	170	106.2
17	25	37.5	50	40	122.8
16	25	62.5	75	25	128.2
15	25	87.5	100	20	121.1
14	25	112.5	125	15	127.4
13	25	137.5	150	10	104.0
12	25	162.5	175	5	87.3
11	25	187.5	200	10	91.7
5	100	250.0	300	20	403.6
4	100	350.0	400	20	510.4
3	120	460.0	520	20	509.2
2	330	685.0	850	45	892.5
1	150	925.0	1000	20	518.0

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	1600.8	.390	40.02	8.542	218.89
17	325.7	.469	8.14	1.191	30.52
16	195.0	.516	4.88	.631	16.17
15	165.2	.557	4.13	.514	13.17
14	117.7	.585	2.94	.338	8.66
13	96.2	.609	2.40	.263	6.74
12	57.3	.623	1.43	.139	3.56
11	109.1	.649	2.73	.307	7.87
5	49.6	.698	4.96	.116	11.89
4	39.2	.736	3.92	.087	8.92
3	39.3	.782	4.71	.087	10.70
2	50.4	.944	16.64	.118	39.91
1	38.6	1.000	5.79	.085	13.07

MOCNESS-1D-164
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	5	92.2
17	25	37.5	50	20	103.9
16	25	62.5	75	10	84.3
15	25	87.5	100	10	116.2
14	25	112.5	125	10	128.5
13	25	137.5	150	10	127.4
12	25	162.5	175	10	155.3
11	25	187.5	200	10	397.1
8	100	250.0	300	30	429.8
7	100	350.0	400	12	387.1
6	100	450.0	500	25	444.0
5	100	550.0	600	20	388.1
4	100	650.0	700	20	655.9
3	100	750.0	800	10	310.8
2	100	850.0	900	18	321.0
1	100	950.0	1000	17	364.3

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	54.2	.025	1.36	.129	3.31
17	192.5	.112	4.81	.621	15.91
16	118.6	.167	2.97	.341	8.74
15	86.1	.206	2.15	.229	5.87
14	77.8	.241	1.95	.202	5.18
13	78.5	.277	1.96	.205	5.25
12	64.4	.306	1.61	.160	4.10
11	25.2	.318	.63	.050	1.28
8	69.8	.445	6.98	.177	18.14
7	31.0	.502	3.10	.065	6.66
6	56.3	.604	5.63	.136	13.94
5	51.5	.698	5.15	.122	12.51
4	30.5	.754	3.05	.063	6.46
3	32.2	.813	3.22	.068	6.97
2	56.1	.915	5.61	.135	13.84
1	46.7	1.000	4.67	.107	10.97

MOCNESS-1D-165
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
17	50	25.0	50	25	296.4
16	25	62.5	75	8	96.0
15	25	87.5	100	10	124.5
14	25	112.5	125	10	137.7
13	25	137.5	150	20	306.0
12	25	162.5	175	10	176.6
11	25	187.5	200	5	146.4
8	100	250.0	300	20	375.8
7	100	350.0	400	5	468.2
6	100	450.0	500	10	414.3
5	100	550.0	600	15	477.7
4	100	650.0	700	20	468.4
3	100	750.0	800	20	766.7
2	200	900.0	1000	10	450.3
1	200	1100.0	1200	15	869.0

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
17	84.4	.104	4.22	.224	11.48
16	83.3	.155	2.08	.220	5.64
15	80.3	.204	2.01	.211	5.41
14	72.6	.248	1.82	.186	4.77
13	65.4	.289	1.63	.163	4.18
12	56.6	.323	1.42	.137	3.51
11	34.2	.344	.85	.073	1.87
8	53.2	.475	5.32	.126	12.92
7	10.7	.501	1.07	.017	1.74
6	24.1	.560	2.41	.048	4.92
5	31.4	.637	3.14	.066	6.77
4	42.7	.742	4.27	.096	9.84
3	26.1	.806	2.61	.052	5.33
2	22.2	.915	4.44	.043	8.82
1	17.3	1.000	3.45	.031	6.36

MOCNESS-1D-166
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	130	187.7
17	50	50.0	75	125	336.8
16	25	87.5	100	15	155.4
15	25	112.5	125	17	116.2
14	25	137.5	150	10	149.8
13	18	159.0	168	20	163.7
12	7	171.5	175	12	180.7
11	25	187.5	200	10	202.1
8	100	250.0	300	10	364.2
7	100	350.0	400	17	588.2
6	100	450.0	500	25	425.8
5	100	550.0	600	18	382.6
4	100	650.0	700	20	613.1
3	100	750.0	800	15	450.9
2	100	850.0	900	15	407.6
1	100	950.0	1000	15	510.4

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	692.6	.225	17.32	3.029	77.62
17	371.1	.466	18.56	1.399	71.70
16	96.5	.498	2.41	.264	6.77
15	146.3	.545	3.66	.442	11.33
14	66.8	.567	1.67	.167	4.28
13	122.2	.595	2.20	.354	6.53
12	66.4	.602	.47	.166	1.19
11	49.5	.618	1.24	.116	2.97
8	27.5	.653	2.75	.056	5.74
7	28.9	.691	2.89	.059	6.05
6	58.7	.767	5.87	.143	14.66
5	47.1	.828	4.71	.109	11.17
4	32.6	.871	3.26	.069	7.07
3	33.3	.914	3.33	.071	7.28
2	36.8	.962	3.68	.080	8.20
1	29.4	1.000	2.94	.061	6.25

MOCNESS-1D-167
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	20	10.0	20	30	198.9
17	20	30.0	40	23	182.6
16	30	55.0	70	20	109.3
15	30	85.0	100	10	156.4
14	25	112.5	125	30	286.4
13	25	137.5	150	20	271.7
12	25	162.5	175	10	213.5
11	25	187.5	200	10	230.6
8	100	250.0	300	30	509.5
7	100	350.0	400	43	449.1
6	100	450.0	500	20	469.7
5	100	550.0	600	35	437.7
4	100	650.0	700	40	429.6
3	100	750.0	800	25	684.8
2	100	850.0	900	12	394.0
1	100	950.0	1000	10	438.8

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	150.8	.046	3.02	.459	9.41
17	126.0	.084	2.52	.367	7.52
16	183.0	.168	5.49	.583	17.93
15	63.9	.197	1.92	.159	4.89
14	104.8	.237	2.62	.292	7.48
13	73.6	.265	1.84	.189	4.84
12	46.8	.283	1.17	.108	2.77
11	43.4	.299	1.08	.098	2.51
8	58.9	.389	5.89	.143	14.66
7	95.8	.535	9.58	.262	26.86
6	42.6	.600	4.26	.096	9.84
5	80.0	.721	8.00	.209	21.42
4	93.1	.863	9.31	.253	25.93
3	36.5	.919	3.65	.079	8.10
2	30.5	.965	3.05	.063	6.46
1	22.8	1.000	2.28	.044	4.51

MOCNESS-1D-168
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	260	88.2
17	25	37.5	50	50	86.4
16	25	62.5	75	30	78.3
15	25	87.5	100	13	86.6
14	25	112.5	125	25	136.4
13	25	137.5	150	12	149.1
12	25	162.5	175	12	147.2
11	25	187.5	200	10	99.7
8	100	250.0	300	37	664.3
7	100	350.0	400	30	552.0
6	100	450.0	500	27	501.0
5	100	550.0	600	20	553.5
4	100	650.0	700	17	378.9
3	100	750.0	800	10	455.4
2	100	850.0	900	15	553.4
1	100	950.0	1000	15	567.0

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	2947.9	.509	73.70	18.186	466.02
17	578.7	.609	14.47	2.425	62.14
16	383.1	.676	9.58	1.456	37.31
15	150.1	.702	3.75	.456	11.69
14	183.3	.733	4.58	.584	14.97
13	80.5	.747	2.01	.211	5.41
12	81.5	.761	2.04	.214	5.48
11	100.3	.779	2.51	.277	7.10
8	55.7	.817	5.57	.134	13.74
7	54.4	.855	5.44	.130	13.33
6	53.9	.892	5.39	.128	13.12
5	36.1	.917	3.61	.078	8.00
4	44.9	.948	4.49	.102	10.46
3	22.0	.963	2.20	.042	4.31
2	27.1	.982	2.71	.055	5.64
1	26.5	1.000	2.65	.053	5.43

MOCNESS-1D-169
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
17	50	25.0	50	280	253.2
16	25	62.5	75	20	92.7
15	25	87.5	100	15	78.0
14	25	112.5	125	15	116.3
13	25	137.5	150	10	94.9
12	25	162.5	175	8	149.3
11	25	187.5	200	5	112.9
8	100	250.0	300	40	364.8
7	100	350.0	400	72	477.8
6	100	450.0	500	50	466.8
5	100	550.0	600	20	430.1
4	100	650.0	700	15	449.6
3	100	750.0	800	25	523.2
2	100	850.0	900	12	369.5
1	100	950.0	1000	8	500.2

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
17	1105.9	.431	55.29	5.404	276.96
16	215.8	.474	5.39	.715	18.32
15	192.3	.511	4.81	.620	15.89
14	129.0	.536	3.23	.378	9.69
13	105.4	.557	2.63	.295	7.56
12	53.6	.567	1.34	.128	3.28
11	44.3	.576	1.11	.101	2.59
8	109.7	.661	10.97	.309	31.67
7	150.7	.779	15.07	.459	47.05
6	107.1	.863	10.71	.301	30.85
5	46.5	.899	4.65	.107	10.97
4	33.4	.925	3.34	.071	7.28
3	47.8	.962	4.78	.111	11.38
2	32.5	.988	3.25	.069	7.07
1	16.0	1.000	1.60	.029	2.97

MOCNESS-1D-170
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	110	135.2
17	25	37.5	50	60	141.8
16	25	62.5	75	30	143.0
15	25	87.5	100	40	164.3
14	25	112.5	125	10	189.1
13	25	137.5	150	15	153.4
12	25	162.5	175	10	127.6
11	25	187.5	200	20	331.9
8	100	250.0	300	60	729.7
7	100	350.0	400	40	626.5
6	100	450.0	500	60	479.2
5	100	550.0	600	35	593.4
4	100	650.0	700	40	592.7
3	100	750.0	800	12	484.7
2	100	850.0	900	18	476.5
1	100	950.0	1000	15	574.9

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	813.6	.207	20.34	3.697	94.74
17	423.1	.315	10.58	1.646	42.18
16	209.8	.369	5.25	.691	17.71
15	243.5	.431	6.09	.830	21.27
14	52.9	.444	1.32	.125	3.20
13	97.8	.469	2.45	.269	6.89
12	78.4	.489	1.96	.204	5.23
11	60.3	.504	1.51	.148	3.79
8	82.2	.588	8.22	.217	22.24
7	63.9	.653	6.39	.158	16.20
6	125.2	.781	12.52	.365	37.41
5	59.0	.841	5.90	.144	14.76
4	67.5	.910	6.75	.170	17.43
3	24.8	.935	2.48	.049	5.02
2	37.8	.973	3.78	.083	8.51
1	26.1	1.000	2.61	.052	5.33

MOCNESS-1D-171
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	70	104.4
17	25	37.5	50	70	207.9
16	25	62.5	75	20	128.9
15	25	87.5	100	60	157.7
14	25	112.5	125	20	131.7
13	25	137.5	150	15	125.8
12	25	162.5	175	10	125.4
11	25	187.5	200	10	116.0
8	100	250.0	300	20	380.3
7	100	350.0	400	45	776.3
6	100	450.0	500	25	397.5
5	100	550.0	600	15	391.7
4	75	637.5	675	20	356.0
3	80	715.0	755	10	279.6
2	145	827.5	900	12	546.0
1	100	950.0	1000	45	722.7

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	670.5	.192	16.76	2.909	74.54
17	336.7	.289	8.42	1.240	31.78
16	155.2	.333	3.88	.476	12.20
15	380.5	.443	9.51	1.443	36.98
14	151.9	.486	3.80	.463	11.86
13	119.2	.520	2.98	.343	8.79
12	79.7	.543	1.99	.209	5.36
11	86.2	.568	2.16	.230	5.89
8	52.6	.628	5.26	.125	12.81
7	58.0	.695	5.80	.141	14.45
6	62.9	.767	6.29	.156	15.99
5	38.3	.811	3.83	.084	8.61
4	56.2	.859	4.21	.135	10.38
3	35.8	.892	2.86	.077	6.31
2	22.0	.929	3.19	.042	6.24
1	62.3	1.000	6.23	.154	15.79

MOCNESS-1D-172
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	10	139.7
17	25	37.5	50	12	103.0
16	25	62.5	75	10	100.5
15	25	87.5	100	10	101.2
14	25	112.5	125	10	97.9
13	25	137.5	150	10	123.0
12	25	162.5	175	8	100.5
11	25	187.5	200	10	106.3
8	100	250.0	300	20	448.2
7	100	350.0	400	15	507.8
6	100	450.0	500	30	656.5
5	100	550.0	600	18	479.3
4	100	650.0	700	25	995.7
3	100	750.0	800	20	481.6
2	100	850.0	900	12	192.3
1	100	950.0	1000	10	400.6

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	71.6	.036	1.79	.183	4.69
17	116.5	.095	2.91	.334	8.56
16	99.5	.145	2.49	.274	7.02
15	98.8	.194	2.47	.272	6.97
14	102.2	.246	2.55	.283	7.25
13	81.3	.286	2.03	.214	5.48
12	79.6	.326	1.99	.208	5.33
11	94.1	.374	2.35	.256	6.56
8	44.6	.464	4.46	.102	10.46
7	29.5	.523	2.95	.061	6.25
6	45.7	.615	4.57	.105	10.76
5	37.6	.690	3.76	.082	8.41
4	25.1	.741	2.51	.050	5.13
3	41.5	.824	4.15	.093	9.53
2	62.4	.950	6.24	.154	15.79
1	25.0	1.000	2.50	.050	5.13

MOCNESS-1D-173
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	30	221.2
17	25	37.5	50	30	163.0
16	25	62.5	75	15	121.9
15	25	87.5	100	15	218.7
14	25	112.5	125	10	119.4
13	25	137.5	150	15	127.1
12	25	162.5	175	15	136.9
11	25	187.5	200	10	169.2
8	100	250.0	300	30	429.8
7	100	350.0	400	25	435.9
6	100	450.0	500	20	397.9
5	100	550.0	600	15	453.3
4	100	650.0	700	30	472.2
3	100	750.0	800	20	577.1
2	100	850.0	900	20	508.2
1	100	950.0	1000	20	451.1

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	135.6	.055	3.39	.403	10.33
17	184.1	.130	4.60	.587	15.04
16	123.1	.181	3.08	.357	9.15
15	68.6	.209	1.72	.173	4.43
14	83.8	.243	2.09	.222	5.69
13	118.0	.291	2.95	.339	8.69
12	109.6	.336	2.74	.309	7.92
11	59.1	.360	1.48	.144	3.69
8	69.8	.474	6.98	.177	18.14
7	57.4	.567	5.74	.139	14.25
6	50.3	.649	5.03	.118	12.10
5	33.1	.703	3.31	.070	7.18
4	63.5	.807	6.35	.157	16.09
3	34.7	.863	3.47	.074	7.59
2	39.4	.928	3.94	.087	8.92
1	44.3	1.000	4.43	.101	10.35

MOCNESS-1D-174
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
15	100	50.0	100	340	434.4
14	25	112.5	125	10	93.2
13	25	137.5	150	12	92.6
12	20	160.0	170	12	89.7
11	30	185.0	200	20	171.8
8	83	241.0	283	60	442.1
7	117	341.0	400	80	451.2
6	100	450.0	500	35	521.0
5	100	550.0	600	20	392.5
4	100	650.0	700	30	587.0
3	100	750.0	800	15	504.4
2	100	850.0	900	15	434.2
1	100	950.0	1000	15	586.8

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
15	782.7	.528	78.27	3.524	361.21
14	107.3	.546	2.68	.301	7.71
13	129.6	.568	3.24	.381	9.76
12	133.8	.586	2.68	.396	8.12
11	116.4	.609	3.49	.333	10.24
8	135.7	.685	11.27	.403	34.29
7	177.3	.825	20.74	.561	67.28
6	67.2	.871	6.72	.169	17.32
5	51.0	.905	5.10	.120	12.30
4	51.1	.939	5.11	.120	12.30
3	29.7	.959	2.97	.062	6.36
2	34.6	.983	3.46	.074	7.59
1	25.6	1.000	2.56	.051	5.23

MOCNESS-1D-175
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
16	75	37.5	75	220	272.0
15	25	87.5	100	33	60.8
14	25	112.5	125	20	94.7
13	25	137.5	150	10	90.9
12	25	162.5	175	15	113.1
11	25	187.5	200	10	106.5
8	100	250.0	300	65	425.3
7	100	350.0	400	40	430.5
6	100	450.0	500	30	440.2
5	100	550.0	600	30	448.0
4	100	650.0	700	10	507.9
3	100	750.0	800	12	465.0
2	100	850.0	900	15	429.1
1	100	950.0	1000	10	395.0

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
16	808.8	.444	60.66	3.670	282.13
15	542.8	.543	13.57	2.240	57.40
14	211.2	.582	5.28	.696	17.84
13	110.0	.602	2.75	.311	7.97
12	132.6	.627	3.32	.392	10.05
11	93.9	.644	2.35	.255	6.53
8	152.8	.756	15.28	.467	47.87
7	92.9	.824	9.29	.252	25.83
6	68.2	.874	6.82	.172	17.63
5	67.0	.923	6.70	.168	17.22
4	19.7	.937	1.97	.037	3.79
3	25.8	.956	2.58	.052	5.33
2	35.0	.981	3.50	.075	7.69
1	25.3	1.000	2.53	.050	5.13

MOCNESS-1D-176
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	18	76.0
17	25	37.5	50	25	93.9
16	25	62.5	75	20	123.8
15	25	87.5	100	15	247.6
14	25	112.5	125	7	117.3
13	25	137.5	150	9	156.4
12	25	162.5	175	8	165.9
11	25	187.5	200	10	258.5
8	100	250.0	300	10	372.0
7	100	350.0	400	15	513.1
6	100	450.0	500	60	690.3
5	100	550.0	600	60	810.9
4	100	650.0	700	20	578.6
3	100	750.0	800	30	625.6
2	100	850.0	900	16	502.9
1	100	950.0	1000	20	535.5

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	236.8	.099	5.92	.803	20.58
17	266.2	.209	6.66	.928	23.78
16	161.6	.276	4.04	.500	12.81
15	60.6	.302	1.52	.148	3.79
14	59.7	.326	1.49	.146	3.74
13	57.5	.350	1.44	.139	3.56
12	48.2	.370	1.21	.112	2.87
11	38.7	.387	.97	.085	2.18
8	26.9	.431	2.69	.054	5.54
7	29.2	.480	2.92	.060	6.15
6	86.9	.625	8.69	.232	23.78
5	74.0	.748	7.40	.190	19.48
4	34.6	.805	3.46	.074	7.59
3	48.0	.885	4.80	.111	11.38
2	31.8	.938	3.18	.067	6.87
1	37.4	1.000	3.74	.082	8.41

MOCNESS-1D-177
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	70	154.5
17	25	37.5	50	45	130.6
16	25	62.5	75	20	148.0
15	25	87.5	100	15	141.8
14	25	112.5	125	12	110.9
13	25	137.5	150	15	157.6
12	25	162.5	175	8	107.5
11	25	187.5	200	10	216.6
8	100	250.0	300	10	462.1
7	100	350.0	400	10	414.4
6	100	450.0	500	60	573.5
5	100	550.0	600	35	482.0
4	100	650.0	700	27	877.8
3	100	750.0	800	20	619.5
2	100	850.0	900	35	473.6
1	100	950.0	1000	10	384.3

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	453.1	.156	11.33	1.791	45.89
17	344.6	.274	8.61	1.276	32.70
16	135.1	.321	3.38	.401	10.28
15	105.8	.357	2.65	.296	7.59
14	108.2	.395	2.71	.304	7.79
13	95.2	.427	2.38	.260	6.66
12	74.4	.453	1.86	.192	4.92
11	46.2	.469	1.15	.106	2.72
8	21.6	.499	2.16	.042	4.31
7	24.1	.532	2.41	.048	4.92
6	104.6	.676	10.46	.292	29.93
5	72.6	.776	7.26	.186	19.07
4	30.8	.818	3.08	.064	6.56
3	32.3	.862	3.23	.068	6.97
2	73.9	.964	7.39	.190	19.48
1	26.0	1.000	2.60	.052	5.33

MOCNESS-1D-179
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	100	204.4
17	25	37.5	50	47	148.1
16	25	62.5	75	30	108.3
15	25	87.5	100	15	94.1
14	25	112.5	125	16	134.1
13	22	137.5	150	20	167.1
12	25	162.5	175	18	133.7
11	25	187.5	200	15	209.1
8	100	250.0	300	27	427.3
7	100	350.0	400	18	463.3
6	100	450.0	500	22	478.4
5	100	550.0	600	32	648.5
4	100	650.0	700	22	616.2
3	100	750.0	800	42	812.4
2	100	850.0	900	30	615.1
1	100	950.0	1000	12	442.7

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	489.2	.157	12.23	1.970	50.48
17	317.4	.259	7.93	1.153	29.55
16	277.0	.348	6.93	.974	24.96
15	159.4	.399	3.99	.492	12.61
14	119.3	.437	2.98	.344	8.82
13	119.7	.471	2.63	.345	7.78
12	134.6	.514	3.37	.399	10.22
11	71.7	.537	1.79	.183	4.69
8	63.2	.618	6.32	.156	15.99
7	38.9	.668	3.89	.086	8.82
6	46.0	.727	4.60	.106	10.87
5	49.3	.790	4.93	.115	11.79
4	35.7	.836	3.57	.077	7.89
3	51.7	.903	5.17	.122	12.51
2	48.8	.965	4.88	.114	11.69
1	27.1	1.000	2.71	.055	5.64

MOCNESS-1D-180
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
17	25	12.5	25	60	206.9
16	50	50.0	75	70	336.7
15	25	87.5	100	20	148.3
14	25	112.5	125	14	123.4
13	25	137.5	150	14	175.4
12	25	162.5	175	20	138.8
11	25	187.5	200	12	176.8
8	100	250.0	300	29	707.4
7	100	350.0	400	14	505.0
6	100	450.0	500	25	653.1
5	100	550.0	600	22	549.2
4	100	650.0	700	20	421.2
3	100	750.0	800	23	528.4
2	100	850.0	900	20	533.8
1	100	950.0	1000	25	384.9

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
17	290.0	.111	7.25	1.031	26.42
16	207.9	.271	10.40	.683	35.00
15	134.9	.322	3.37	.400	10.25
14	113.5	.366	2.84	.323	8.28
13	79.8	.396	2.00	.209	5.36
12	144.1	.452	3.60	.434	11.12
11	67.9	.478	1.70	.171	4.38
8	41.0	.541	4.10	.092	9.43
7	27.7	.583	2.77	.056	5.74
6	38.3	.642	3.83	.084	8.61
5	40.1	.703	4.01	.089	9.12
4	47.5	.776	4.75	.110	11.28
3	43.5	.843	4.35	.099	10.15
2	37.5	.900	3.75	.082	8.41
1	65.0	1.000	6.50	.162	16.61

MOCNESS-1D-181
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	30	141.0
17	25	37.5	50	15	119.6
16	25	62.5	75	8	95.1
15	25	87.5	100	10	93.1
14	25	112.5	125	10	119.2
13	25	137.5	150	6	193.1
12	25	162.5	175	10	163.2
11	25	187.5	200	10	179.3
8	100	250.0	300	10	519.9
7	100	350.0	400	20	574.9
6	100	450.0	500	70	834.7
5	100	550.0	600	30	573.2
4	100	650.0	700	22	474.2
3	100	750.0	800	30	437.3
2	100	850.0	900	15	392.9
1	100	950.0	1000	22	593.9

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	212.8	.093	5.32	.703	18.01
17	125.4	.148	3.14	.365	9.35
16	84.1	.185	2.10	.223	5.71
15	107.4	.232	2.69	.302	7.74
14	83.9	.269	2.10	.222	5.69
13	31.1	.282	.78	.065	1.67
12	61.3	.309	1.53	.151	3.87
11	55.8	.334	1.39	.134	3.43
8	19.2	.367	1.92	.036	3.69
7	34.8	.428	3.48	.075	7.69
6	83.9	.575	8.39	.222	22.76
5	52.3	.667	5.23	.124	12.71
4	46.4	.748	4.64	.107	10.97
3	68.6	.868	6.86	.173	17.73
2	38.2	.935	3.82	.084	8.61
1	37.0	1.000	3.70	.081	8.30

MOCNESS-1D-182
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	45	93.5
17	25	37.5	50	25	108.4
16	25	62.5	75	20	140.7
15	25	87.5	100	20	140.5
14	25	112.5	125	11	128.7
13	25	137.5	150	10	130.8
12	25	162.5	175	11	136.5
11	25	187.5	200	11	154.7
8	100	250.0	300	20	468.5
7	100	350.0	400	50	421.4
6	100	450.0	500	50	431.9
5	100	550.0	600	21	359.6
4	100	650.0	700	17	479.8
3	100	750.0	800	20	381.3
2	100	850.0	900	12	537.4
1	100	950.0	1000	37	449.5

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	481.3	.141	12.03	1.930	49.46
17	230.6	.208	5.77	.777	19.91
16	142.2	.250	3.55	.427	10.94
15	142.4	.291	3.56	.427	10.94
14	85.5	.316	2.14	.227	5.82
13	76.5	.338	1.91	.198	5.07
12	80.6	.362	2.02	.211	5.41
11	71.1	.383	1.78	.181	4.64
8	42.7	.433	4.27	.096	9.84
7	118.7	.571	11.87	.341	34.95
6	115.8	.707	11.58	.331	33.93
5	58.4	.775	5.84	.142	14.56
4	35.4	.816	3.54	.076	7.79
3	52.5	.878	5.25	.124	12.71
2	22.3	.904	2.23	.043	4.41
1	82.3	1.000	8.23	.217	22.24

MOCNESS-1D-183
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	DISVOL	VOLFIL
0	103	51.0	65	741.2
1	103	51.0	80	675.8
2	103	51.0	55	517.4
3	103	51.0	65	566.1
4	101	50.0	40	465.2
5	101	50.0	25	722.4
6	110	55.0	85	638.5
7	110	55.0	90	673.1
8	104	52.0	75	491.5
11	104	52.0	85	773.0
12	106	53.0	70	794.6
13	106	53.0	45	425.3
14	107	53.0	95	705.6
15	107	53.0	75	529.0
16	109	54.0	65	647.4
17	109	54.0	140	1325.0
18	101	50.0	90	756.5

NET#	CC/1000M3	INTBIO	C (UM/KG)	C (MM/M2)
0	87.7	9.03	.235	24.81
1	118.4	12.20	.340	35.90
2	106.3	10.95	.298	31.46
3	114.8	11.82	.328	34.63
4	86.0	8.69	.229	23.71
5	34.6	3.50	.074	7.66
6	133.1	14.64	.393	44.31
7	133.7	14.71	.396	44.65
8	152.6	15.87	.466	49.68
11	110.0	11.44	.311	33.15
12	88.1	9.34	.236	25.64
13	105.8	11.22	.296	32.16
14	134.6	14.40	.399	43.76
15	141.8	15.17	.425	46.61
16	100.4	10.94	.277	30.95
17	105.7	11.52	.296	33.07
18	119.0	12.02	.342	35.41

MOCNESS-1D-184
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	DISVOL	VOLFIL
0	108	54.0	50	400.0
1	108	54.0	100	761.5
2	104	52.0	70	607.2
3	104	52.0	90	620.0
4	103	51.0	95	496.9
5	103	51.0	75	546.4
6	103	51.0	90	573.3
7	103	51.0	135	546.6
8	104	52.0	110	510.6
11	104	52.0	90	460.4
12	102	51.0	75	528.4
13	102	51.0	110	583.9
14	103	51.0	125	527.0
15	103	51.0	85	510.6
16	103	51.0	140	554.5
17	103	51.0	85	607.0
18	101	50.0	170	690.9
19	101	50.0	195	743.1

NET#	CC/1000M3	INTBIO	C (UM/KG)	C (MM/M2)
0	125.0	13.50	.364	40.30
1	131.3	14.18	.387	42.84
2	115.3	11.99	.329	35.07
3	145.2	15.10	.438	46.69
4	191.2	19.69	.616	65.03
5	137.3	14.14	.409	43.18
6	157.0	16.17	.482	50.89
7	247.0	25.44	.845	89.21
8	215.4	22.40	.714	76.11
11	195.5	20.33	.633	67.48
12	141.9	14.47	.426	44.54
13	188.4	19.22	.605	63.25
14	237.2	24.43	.804	84.88
15	166.5	17.15	.519	54.79
16	252.5	26.01	.869	91.75
17	140.0	14.42	.419	44.24
18	246.1	24.86	.842	87.17
19	262.4	26.50	.911	94.31

MOCNESS-1D-185
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	DISVOL	VOLFIL
0	129	64.0	85	791.7
1	13	122.0	10	76.5
2	71	80.0	15	461.9
3	45	22.0	60	278.2
4	131	65.0	125	740.5
5	17	122.0	10	193.2
6	62	83.0	20	349.8
7	52	26.0	170	260.2
8	131	65.0	190	604.9
11	171	122.0	10	245.3
12	86	71.0	55	590.7
13	28	14.0	85	291.7
14	130	65.0	65	584.1
15	46	107.0	15	373.1
16	49	59.0	20	320.5
17	35	17.0	85	228.6
18	131	65.0	120	906.9
19	131	65.0	75	997.0

NET#	CC/1000M3	INTBIO	C (UM/KG)	C (MM/M2)
0	107.4	13.86	.302	39.93
1	130.7	1.70	.385	5.13
2	32.5	2.31	.069	5.02
3	215.7	9.71	.715	32.98
4	168.8	22.11	.528	70.90
5	51.8	.88	.122	2.13
6	57.2	3.55	.138	8.77
7	653.3	33.97	2.817	150.15
8	314.1	41.15	1.138	152.81
11	40.8	6.98	.091	15.95
12	93.1	8.01	.253	22.30
13	291.4	8.16	1.037	29.76
14	111.3	14.47	.315	41.97
15	40.2	1.85	.089	4.20
16	62.4	3.06	.154	7.74
17	371.8	13.01	1.402	50.30
18	132.3	17.33	.390	52.37
19	75.2	9.85	.194	26.05

MOCNESS-1D-186
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	70	102.6
17	25	37.5	50	55	100.0
16	25	62.5	75	20	102.0
15	25	87.5	100	18	111.6
14	25	112.5	125	20	120.0
13	25	137.5	150	17	125.2
12	25	162.5	175	17	119.3
11	25	187.5	200	20	163.8
8	100	250.0	300	50	584.0
7	100	350.0	400	38	589.2
6	100	450.0	500	20	443.0
5	100	550.0	600	28	481.6
4	100	650.0	700	12	460.4
3	100	750.0	800	30	505.2
2	100	850.0	900	30	746.4
1	100	950.0	1000	25	576.7

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	682.3	.177	17.06	2.973	76.18
17	550.0	.320	13.75	2.277	58.35
16	196.1	.371	4.90	.635	16.27
15	161.3	.413	4.03	.499	12.79
14	166.7	.457	4.17	.520	13.33
13	135.8	.492	3.40	.403	10.33
12	142.5	.529	3.56	.428	10.97
11	122.1	.561	3.05	.353	9.05
8	85.6	.650	8.56	.228	23.37
7	64.5	.717	6.45	.160	16.40
6	45.2	.764	4.52	.103	10.56
5	58.1	.824	5.81	.141	14.45
4	26.1	.851	2.61	.052	5.33
3	59.4	.913	5.94	.145	14.86
2	40.2	.955	4.02	.089	9.12
1	43.4	1.000	4.34	.098	10.05

MOCNESS-1D-187
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	40	97.3
17	25	37.5	50	22	102.5
16	25	62.5	75	20	79.3
15	25	87.5	100	12	112.0
14	25	112.5	125	12	210.0
13	25	137.5	150	10	88.3
12	25	162.5	175	10	105.3
11	25	187.5	200	10	109.7
8	100	250.0	300	20	523.6
7	100	350.0	400	20	518.2
6	100	450.0	500	22	497.4
5	100	550.0	600	30	480.4
4	100	650.0	700	30	483.7
3	100	750.0	800	22	480.4
2	100	850.0	900	35	658.2
1	100	950.0	1000	20	503.8

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	411.1	.143	10.28	1.588	40.69
17	214.6	.217	5.37	.710	18.19
16	252.2	.305	6.31	.868	22.24
15	107.1	.342	2.68	.301	7.71
14	57.1	.362	1.43	.138	3.54
13	113.3	.401	2.83	.322	8.25
12	95.0	.434	2.37	.259	6.64
11	91.2	.466	2.28	.246	6.30
8	38.2	.519	3.82	.084	8.61
7	38.6	.573	3.86	.085	8.71
6	44.2	.634	4.42	.101	10.35
5	62.5	.721	6.25	.154	15.79
4	62.0	.807	6.20	.153	15.68
3	45.8	.871	4.58	.105	10.76
2	53.2	.945	5.32	.126	12.92
1	39.7	1.000	3.97	.088	9.02

MOCNESS-1D-188
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	70	80.6
17	25	37.5	50	60	116.4
16	25	62.5	75	65	135.1
15	25	87.5	100	40	164.7
14	25	112.5	125	20	170.9
13	25	137.5	150	10	120.0
12	25	162.5	175	15	85.4
11	25	187.5	200	10	130.6
8	100	250.0	300	40	572.6
7	100	350.0	400	18	430.1
6	100	450.0	500	20	550.0
5	100	550.0	600	25	432.2
4	100	650.0	700	80	1219.5
3	100	750.0	800	20	468.7
2	100	850.0	900	20	496.2
1	100	950.0	1000	50	481.8

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	868.5	.198	21.71	4.008	102.71
17	515.5	.315	12.89	2.101	53.84
16	481.1	.424	12.03	1.929	49.43
15	242.9	.480	6.07	.828	21.22
14	117.0	.506	2.93	.335	8.58
13	83.3	.525	2.08	.220	5.64
12	175.6	.565	4.39	.554	14.20
11	76.6	.583	1.91	.198	5.07
8	69.9	.646	6.99	.177	18.14
7	41.9	.684	4.19	.094	9.64
6	36.4	.718	3.64	.079	8.10
5	57.8	.770	5.78	.140	14.35
4	65.6	.830	6.56	.164	16.81
3	42.7	.869	4.27	.096	9.84
2	40.3	.906	4.03	.090	9.23
1	103.8	1.000	10.38	.289	29.62

MOCNESS-1D-189
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	20	257.5
17	25	37.5	50	12	78.2
16	25	62.5	75	10	102.1
15	25	87.5	100	10	169.8
14	25	112.5	125	10	74.1
13	25	137.5	150	10	131.1
12	25	162.5	175	10	141.1
11	25	187.5	200	10	103.8
8	100	250.0	300	35	485.7
7	100	350.0	400	23	649.4
6	100	450.0	500	40	606.9
5	100	550.0	600	40	475.5
4	100	650.0	700	50	481.4
3	100	750.0	800	35	473.1
2	100	850.0	900	65	546.5
1	100	950.0	1000	20	372.8

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	77.7	.024	1.94	.202	5.18
17	153.5	.072	3.84	.469	12.02
16	97.9	.103	2.45	.269	6.89
15	58.9	.121	1.47	.143	3.66
14	135.0	.164	3.37	.400	10.25
13	76.3	.187	1.91	.197	5.05
12	70.9	.210	1.77	.180	4.61
11	96.3	.240	2.41	.264	6.77
8	72.1	.330	7.21	.184	18.86
7	35.4	.374	3.54	.076	7.79
6	65.9	.456	6.59	.165	16.91
5	84.1	.562	8.41	.223	22.86
4	103.9	.692	10.39	.289	29.62
3	74.0	.784	7.40	.190	19.48
2	118.9	.933	11.89	.342	35.06
1	53.7	1.000	5.37	.128	13.12

MOCNESS-1D-190
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	15	65.2
17	25	37.5	50	20	88.0
16	25	62.5	75	15	186.9
15	25	87.5	100	5	99.4
14	25	112.5	125	10	91.5
13	25	137.5	150	10	206.5
12	25	162.5	175	10	95.5
11	25	187.5	200	10	126.1
8	100	250.0	300	30	513.8
7	100	350.0	400	35	687.2
6	100	450.0	500	75	498.8
5	100	550.0	600	95	628.4
4	100	650.0	700	45	406.4
3	100	750.0	800	25	435.2
2	100	850.0	900	25	465.1
1	100	950.0	1000	30	462.4

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	230.1	.062	5.75	.774	19.83
17	227.3	.123	5.68	.763	19.55
16	80.3	.145	2.01	.210	5.38
15	50.3	.158	1.26	.118	3.02
14	109.3	.187	2.73	.308	7.89
13	48.4	.200	1.21	.113	2.90
12	104.7	.229	2.62	.292	7.48
11	79.3	.250	1.98	.207	5.30
8	58.4	.313	5.84	.142	14.56
7	50.9	.367	5.09	.120	12.30
6	150.4	.529	15.04	.457	46.84
5	151.2	.692	15.12	.460	47.15
4	110.7	.811	11.07	.313	32.08
3	57.4	.872	5.74	.139	14.25
2	53.8	.930	5.38	.128	13.12
1	64.9	1.000	6.49	.162	16.61

MOCNESS-1D-191
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	130	153.9
17	25	37.5	50	60	162.4
16	25	62.5	75	20	145.9
15	25	87.5	100	20	115.8
14	25	112.5	125	15	120.0
13	25	137.5	150	20	169.2
12	25	162.5	175	15	132.0
11	25	187.5	200	20	132.5
8	100	250.0	300	40	511.4
7	100	350.0	400	40	522.9
6	100	450.0	500	45	418.2
5	100	550.0	600	80	455.8
4	100	650.0	700	20	474.2
3	100	750.0	800	20	518.0
2	100	850.0	900	25	477.6
1	100	950.0	1000	25	499.4

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	844.7	.187	21.12	3.872	99.22
17	369.5	.269	9.24	1.391	35.64
16	137.1	.299	3.43	.408	10.46
15	172.7	.337	4.32	.543	13.91
14	125.0	.365	3.13	.364	9.33
13	118.2	.391	2.96	.340	8.71
12	113.6	.416	2.84	.323	8.28
11	150.9	.450	3.77	.460	11.79
8	78.2	.519	7.82	.204	20.91
7	76.5	.587	7.65	.198	20.30
6	107.6	.682	10.76	.302	30.96
5	175.5	.838	17.55	.554	56.79
4	42.2	.875	4.22	.095	9.74
3	38.6	.909	3.86	.085	8.71
2	52.4	.956	5.24	.124	12.71
1	50.1	1.000	5.01	.117	11.99

MOCNESS-1D-192
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	24	123.7
17	25	37.5	50	20	107.5
16	25	62.5	75	18	109.6
15	25	87.5	100	15	134.2
14	25	112.5	125	12	126.3
13	25	137.5	150	10	125.8
12	25	162.5	175	10	108.6
11	25	187.5	200	10	150.1
8	100	250.0	300	11	565.2
7	100	350.0	400	11	395.2
6	100	450.0	500	40	564.9
5	100	550.0	600	25	489.0
4	100	650.0	700	28	511.4
3	100	750.0	800	17	449.0
2	100	850.0	900	25	464.3
1	100	950.0	1000	37	539.3

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	194.0	.077	4.85	.627	16.07
17	186.1	.150	4.65	.595	15.25
16	164.2	.215	4.11	.510	13.07
15	111.8	.260	2.79	.317	8.12
14	95.0	.297	2.38	.259	6.64
13	79.5	.329	1.99	.208	5.33
12	92.1	.365	2.30	.249	6.38
11	66.6	.392	1.67	.167	4.28
8	19.5	.422	1.95	.036	3.69
7	27.8	.466	2.78	.057	5.84
6	70.8	.579	7.08	.180	18.45
5	51.1	.659	5.11	.120	12.30
4	54.8	.746	5.48	.131	13.43
3	37.9	.806	3.79	.083	8.51
2	53.8	.891	5.38	.128	13.12
1	68.6	1.000	6.86	.173	17.73

MOCNESS-1D-193
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	20	115.6
17	25	37.5	50	15	94.0
16	25	62.5	75	12	133.4
15	25	87.5	100	11	73.9
14	25	112.5	125	10	153.1
13	25	137.5	150	10	94.7
12	25	162.5	175	10	128.5
11	25	187.5	200	9	115.7
8	100	250.0	300	20	580.1
7	100	350.0	400	20	382.7
6	100	450.0	500	15	398.8
5	100	550.0	600	20	487.2
4	100	650.0	700	20	676.9
3	100	750.0	800	16	465.0
2	100	850.0	900	15	450.3
1	100	950.0	1000	14	456.6

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	173.0	.084	4.33	.544	13.94
17	159.6	.161	3.99	.492	12.61
16	90.0	.204	2.25	.242	6.20
15	148.9	.276	3.72	.452	11.58
14	65.3	.307	1.63	.163	4.18
13	105.6	.358	2.64	.295	7.56
12	77.8	.396	1.95	.202	5.18
11	77.8	.434	1.95	.202	5.18
8	34.5	.500	3.45	.074	7.59
7	52.3	.601	5.23	.124	12.71
6	37.6	.674	3.76	.082	8.41
5	41.1	.753	4.11	.092	9.43
4	29.6	.810	2.96	.061	6.25
3	34.4	.876	3.44	.074	7.59
2	33.3	.941	3.33	.071	7.28
1	30.7	1.000	3.07	.064	6.56

MOCNESS-1D-194
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	60	231.9
17	25	37.5	50	55	118.4
16	25	62.5	75	15	149.1
15	25	87.5	100	10	124.2
14	25	112.5	125	10	80.1
13	25	137.5	150	15	94.3
12	25	162.5	175	15	122.2
11	25	187.5	200	15	117.0
8	100	250.0	300	40	490.2
7	100	350.0	400	50	502.2
6	100	450.0	500	30	420.1
5	100	550.0	600	90	844.7
4	100	650.0	700	60	447.1
3	100	750.0	800	30	484.0
2	100	850.0	900	30	466.7
1	100	950.0	1000	30	399.8

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	258.7	.061	6.47	.895	22.93
17	464.5	.171	11.61	1.847	47.33
16	100.6	.195	2.52	.278	7.12
15	80.5	.214	2.01	.211	5.41
14	124.8	.244	3.12	.363	9.30
13	159.1	.282	3.98	.490	12.56
12	122.8	.311	3.07	.356	9.12
11	128.2	.341	3.21	.376	9.64
8	81.6	.419	8.16	.215	22.04
7	99.6	.513	9.96	.275	28.19
6	71.4	.581	7.14	.182	18.66
5	106.6	.682	10.66	.299	30.65
4	134.2	.809	13.42	.397	40.69
3	62.0	.868	6.20	.153	15.68
2	64.3	.929	6.43	.160	16.40
1	75.0	1.000	7.50	.194	19.89

MOCNESS-1D-195
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	0	0.0
17	25	37.5	50	15	43.9
16	25	62.5	75	15	85.5
15	25	87.5	100	20	126.7
14	25	112.5	125	20	183.8
13	25	137.5	150	10	93.5
12	25	162.5	175	20	173.8
11	25	187.5	200	10	62.3
8	100	250.0	300	25	443.5
7	100	350.0	400	35	556.6
6	100	450.0	500	25	491.7
5	100	550.0	600	30	366.2
4	100	650.0	700	20	378.8
3	100	750.0	800	20	436.9
2	100	850.0	900	25	450.9
1	100	950.0	1000	25	416.3

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	280.0	.085	7.00	.987	25.29
17	341.7	.188	8.54	1.263	32.36
16	175.4	.241	4.39	.553	14.17
15	157.9	.288	3.95	.486	12.45
14	108.8	.321	2.72	.306	7.84
13	107.0	.354	2.68	.300	7.69
12	115.1	.388	2.88	.329	8.43
11	160.5	.437	4.01	.496	12.71
8	56.4	.505	5.64	.136	13.94
7	62.9	.581	6.29	.156	15.99
6	50.8	.642	5.08	.119	12.20
5	81.9	.741	8.19	.216	22.14
4	52.8	.805	5.28	.125	12.81
3	45.8	.860	4.58	.105	10.76
2	55.4	.927	5.54	.133	13.63
1	60.1	1.000	6.01	.147	15.07

MOCNESS-1D-196
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	45	159.8
17	25	37.5	50	75	117.0
16	25	62.5	75	25	172.3
15	25	87.5	100	10	113.7
14	25	112.5	125	10	117.1
13	25	137.5	150	10	109.8
12	25	162.5	175	10	98.5
11	25	187.5	200	15	103.3
8	100	250.0	300	35	401.7
7	100	350.0	400	30	447.6
6	100	450.0	500	20	456.6
5	100	550.0	600	30	471.9
4	100	650.0	700	55	609.6
3	100	750.0	800	20	404.6
2	100	850.0	900	35	442.0
1	100	950.0	1000	40	417.7

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	281.6	.073	7.04	.994	25.47
17	641.0	.238	16.03	2.752	70.52
16	145.1	.275	3.63	.438	11.22
15	88.0	.298	2.20	.236	6.05
14	85.4	.320	2.14	.227	5.82
13	91.1	.343	2.28	.246	6.30
12	101.5	.369	2.54	.281	7.20
11	145.2	.407	3.63	.438	11.22
8	87.1	.496	8.71	.233	23.88
7	67.0	.565	6.70	.168	17.22
6	43.8	.610	4.38	.099	10.15
5	63.6	.676	6.36	.158	16.20
4	90.2	.769	9.02	.243	24.91
3	49.4	.820	4.94	.115	11.79
2	79.2	.901	7.92	.207	21.22
1	95.8	1.000	9.58	.262	26.86

MOCNESS-1D-197
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	40	147.0
17	25	37.5	50	90	191.9
16	25	62.5	75	25	107.4
15	25	87.5	100	10	124.8
14	25	112.5	125	10	113.5
13	25	137.5	150	10	102.0
12	25	162.5	175	10	96.0
11	25	187.5	200	10	109.5
8	100	250.0	300	30	526.8
7	100	350.0	400	20	379.6
6	100	450.0	500	40	457.4
5	100	550.0	600	40	477.0
4	100	650.0	700	35	566.5
3	100	750.0	800	15	386.7
2	100	850.0	900	30	427.2
1	100	950.0	1000	25	462.8

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	272.1	.079	6.80	.953	24.42
17	469.0	.214	11.73	1.869	47.89
16	232.8	.282	5.82	.786	20.14
15	80.1	.305	2.00	.210	5.38
14	88.1	.330	2.20	.236	6.05
13	98.0	.359	2.45	.269	6.89
12	104.2	.389	2.60	.290	7.43
11	91.3	.415	2.28	.247	6.33
8	57.0	.481	5.70	.138	14.15
7	52.7	.542	5.27	.125	12.81
6	87.5	.643	8.75	.234	23.99
5	83.9	.740	8.39	.222	22.76
4	61.8	.811	6.18	.152	15.58
3	38.8	.856	3.88	.086	8.82
2	70.2	.938	7.02	.178	18.25
1	54.0	1.000	5.40	.129	13.22

MOCNESS-1D-198
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	50	114.6
17	25	37.5	50	40	167.9
16	25	62.5	75	15	180.2
15	25	87.5	100	15	166.4
14	25	112.5	125	25	149.9
13	25	137.5	150	15	63.6
12	25	162.5	175	15	166.7
11	25	187.5	200	10	73.2
8	100	250.0	300	20	309.2
7	100	350.0	400	20	407.0
6	100	450.0	500	35	404.3
5	100	550.0	600	30	411.7
4	100	650.0	700	30	457.1
3	100	750.0	800	35	607.0
2	100	850.0	900	30	506.0
1	100	950.0	1000	40	550.8

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	436.3	.121	10.91	1.709	43.79
17	238.2	.188	5.96	.808	20.71
16	83.2	.211	2.08	.220	5.64
15	90.1	.236	2.25	.243	6.23
14	166.8	.283	4.17	.520	13.33
13	235.9	.348	5.90	.798	20.45
12	90.0	.373	2.25	.242	6.20
11	136.6	.411	3.42	.406	10.40
8	64.7	.483	6.47	.161	16.50
7	49.1	.538	4.91	.115	11.79
6	86.6	.635	8.66	.231	23.68
5	72.9	.716	7.29	.187	19.17
4	65.6	.789	6.56	.164	16.81
3	57.7	.853	5.77	.140	14.35
2	59.3	.919	5.93	.145	14.86
1	72.6	1.000	7.26	.186	19.07

MOCNESS-1D-199
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	40	186.7
17	25	37.5	50	50	181.7
16	25	62.5	75	15	185.2
15	25	87.5	100	15	143.9
14	25	112.5	125	10	114.4
13	25	137.5	150	10	101.0
12	25	162.5	175	10	137.4
11	25	187.5	200	10	96.5
8	100	250.0	300	40	421.6
7	100	350.0	400	25	432.1
6	100	450.0	500	50	399.9
5	100	550.0	600	50	391.4
4	100	650.0	700	30	508.3
3	100	750.0	800	30	507.7
2	100	850.0	900	30	451.5
1	100	950.0	1000	35	512.4

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	214.3	.058	5.36	.709	18.17
17	275.2	.133	6.88	.966	24.75
16	81.0	.155	2.03	.213	5.46
15	104.2	.184	2.61	.291	7.46
14	87.4	.208	2.19	.234	6.00
13	99.0	.235	2.48	.273	7.00
12	72.8	.254	1.82	.186	4.77
11	103.6	.283	2.59	.289	7.41
8	94.9	.386	9.49	.259	26.55
7	57.9	.449	5.79	.140	14.35
6	125.0	.585	12.50	.364	37.31
5	127.8	.724	12.78	.374	38.34
4	59.0	.789	5.90	.144	14.76
3	59.1	.853	5.91	.144	14.76
2	66.5	.926	6.65	.166	17.02
1	68.3	1.000	6.83	.172	17.63

MOCNESS-1D-200
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	60	82.4
17	25	37.5	50	20	82.5
16	25	62.5	75	15	116.8
15	25	87.5	100	10	61.6
14	25	112.5	125	10	97.7
13	25	137.5	150	15	174.0
12	25	162.5	175	10	135.4
11	25	187.5	200	15	184.0
8	100	250.0	300	30	406.4
7	100	350.0	400	20	404.1
6	100	450.0	500	60	455.0
5	100	550.0	600	45	506.7
4	100	650.0	700	20	435.5
3	100	750.0	800	40	556.9
2	100	850.0	900	25	427.5
1	100	950.0	1000	25	385.8

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	728.2	.185	18.20	3.222	82.56
17	242.4	.246	6.06	.826	21.17
16	128.4	.279	3.21	.376	9.64
15	162.3	.320	4.06	.503	12.89
14	102.4	.346	2.56	.284	7.28
13	86.2	.367	2.16	.230	5.89
12	73.9	.386	1.85	.190	4.87
11	81.5	.407	2.04	.214	5.48
8	73.8	.482	7.38	.190	19.48
7	49.5	.532	4.95	.116	11.89
6	131.9	.666	13.19	.389	39.87
5	88.8	.756	8.88	.238	24.40
4	45.9	.802	4.59	.105	10.76
3	71.8	.875	7.18	.183	18.76
2	58.5	.934	5.85	.142	14.56
1	64.8	1.000	6.48	.161	16.50

MOCNESS-1D-201
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	40	103.7
17	25	37.5	50	35	95.0
16	25	62.5	75	10	101.8
15	25	87.5	100	15	105.4
14	25	112.5	125	10	139.6
13	25	137.5	150	10	128.5
12	25	162.5	175	10	103.7
11	25	187.5	200	10	147.9
8	100	250.0	300	40	495.7
7	100	350.0	400	25	573.0
6	100	450.0	500	60	584.0
5	100	550.0	600	45	455.6
4	100	650.0	700	30	431.3
3	100	750.0	800	35	425.6
2	100	850.0	900	30	534.9
1	100	950.0	1000	25	491.9

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	385.7	.106	9.64	1.468	37.62
17	368.4	.207	9.21	1.387	35.54
16	98.2	.234	2.46	.270	6.92
15	142.3	.273	3.56	.427	10.94
14	71.6	.292	1.79	.183	4.69
13	77.8	.314	1.95	.202	5.18
12	96.4	.340	2.41	.264	6.77
11	67.6	.359	1.69	.170	4.36
8	80.7	.447	8.07	.212	21.73
7	43.6	.495	4.36	.099	10.15
6	102.7	.608	10.27	.285	29.21
5	98.8	.716	9.88	.272	27.88
4	69.6	.793	6.96	.176	18.04
3	82.2	.883	8.22	.217	22.24
2	56.1	.944	5.61	.135	13.84
1	50.8	1.000	5.08	.119	12.20

MOCNESS-1D-202
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	70	160.8
17	25	37.5	50	35	133.0
16	25	62.5	75	70	114.5
15	25	87.5	100	10	109.5
14	25	112.5	125	15	108.4
13	25	137.5	150	65	102.7
12	25	162.5	175	10	92.5
11	25	187.5	200	10	171.9
8	100	250.0	300	30	415.1
7	100	350.0	400	20	408.0
6	100	450.0	500	55	506.3
5	100	550.0	600	50	421.8
4	100	650.0	700	30	467.5
3	100	750.0	800	30	414.9
2	100	850.0	900	30	432.6
1	100	950.0	1000	30	405.4

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	435.3	.090	10.88	1.705	43.69
17	263.2	.144	6.58	.914	23.42
16	611.4	.270	15.28	2.595	66.50
15	91.3	.289	2.28	.247	6.33
14	138.4	.317	3.46	.413	10.58
13	632.9	.448	15.82	2.709	69.42
12	108.1	.470	2.70	.304	7.79
11	58.2	.482	1.45	.141	3.61
8	72.3	.542	7.23	.185	18.96
7	49.0	.582	4.90	.114	11.69
6	108.6	.672	10.86	.306	31.37
5	118.5	.769	11.85	.341	34.95
4	64.2	.822	6.42	.159	16.30
3	72.3	.882	7.23	.185	18.96
2	69.4	.939	6.94	.176	18.04
1	74.0	1.000	7.40	.190	19.48

MOCNESS-1D-203
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	80	137.2
17	25	37.5	50	40	111.1
16	25	62.5	75	15	149.0
15	25	87.5	100	10	66.4
14	25	112.5	125	10	132.2
13	25	137.5	150	10	78.4
12	25	162.5	175	10	118.7
11	25	187.5	200	10	120.1
8	100	250.0	300	35	421.2
7	100	350.0	400	35	525.4
6	100	450.0	500	245	523.0
5	100	550.0	600	75	511.2
4	100	650.0	700	60	462.1
3	100	750.0	800	35	469.8
2	100	850.0	900	30	399.7
1	100	950.0	1000	35	409.9

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	583.1	.096	14.58	2.448	62.73
17	360.0	.155	9.00	1.348	34.54
16	100.7	.172	2.52	.278	7.12
15	150.6	.196	3.77	.458	11.74
14	75.6	.209	1.89	.195	5.00
13	127.6	.230	3.19	.373	9.56
12	84.3	.244	2.11	.223	5.71
11	83.3	.257	2.08	.220	5.64
8	83.1	.312	8.31	.220	22.55
7	66.6	.356	6.66	.167	17.12
6	468.5	.664	46.85	1.867	191.37
5	146.7	.760	14.67	.444	45.51
4	129.8	.846	12.98	.381	39.05
3	74.5	.895	7.45	.192	19.68
2	75.1	.944	7.51	.194	19.89
1	85.4	1.000	8.54	.227	23.27

MOCNESS-1D-204
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	20	118.2
17	25	37.5	50	15	128.7
16	25	62.5	75	20	133.3
15	25	87.5	100	20	104.1
14	25	112.5	125	20	104.2
13	25	137.5	150	15	142.0
12	25	162.5	175	10	84.6
11	25	187.5	200	10	94.5
8	100	250.0	300	15	502.7
7	100	350.0	400	25	396.7
6	100	450.0	500	15	505.2
5	100	550.0	600	20	437.0
4	100	650.0	700	15	479.8
3	100	750.0	800	10	453.8
2	100	850.0	900	15	437.5
1	100	950.0	1000	20	416.5

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	169.2	.072	4.23	.529	13.56
17	116.6	.121	2.91	.334	8.56
16	150.0	.184	3.75	.456	11.69
15	192.1	.265	4.80	.619	15.86
14	191.9	.347	4.80	.619	15.86
13	105.6	.391	2.64	.295	7.56
12	118.2	.441	2.96	.340	8.71
11	105.8	.486	2.65	.296	7.59
8	29.8	.536	2.98	.062	6.36
7	63.0	.643	6.30	.156	15.99
6	29.7	.693	2.97	.061	6.25
5	45.8	.771	4.58	.105	10.76
4	31.3	.824	3.13	.065	6.66
3	22.0	.861	2.20	.042	4.31
2	34.3	.919	3.43	.073	7.48
1	48.0	1.000	4.80	.111	11.38

MOCNESS-1D-205
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	15	182.2
17	25	37.5	50	20	163.3
16	25	62.5	75	15	179.4
15	25	87.5	100	15	107.2
14	25	112.5	125	10	156.3
13	25	137.5	150	10	98.4
12	25	162.5	175	15	87.0
11	25	187.5	200	10	155.2
8	100	250.0	300	25	621.3
7	100	350.0	400	20	424.4
6	100	450.0	500	20	513.8
5	100	550.0	600	20	506.1
4	100	650.0	700	20	493.5
3	100	750.0	800	15	492.8
2	100	850.0	900	20	512.5
1	100	950.0	1000	20	385.2

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	82.3	.038	2.06	.217	5.56
17	122.5	.096	3.06	.355	9.10
16	83.6	.135	2.09	.221	5.66
15	139.9	.200	3.50	.418	10.71
14	64.0	.230	1.60	.159	4.07
13	101.6	.277	2.54	.282	7.23
12	172.4	.358	4.31	.542	13.89
11	64.4	.388	1.61	.160	4.10
8	40.2	.463	4.02	.089	9.12
7	47.1	.551	4.71	.109	11.17
6	38.9	.624	3.89	.086	8.82
5	39.5	.698	3.95	.088	9.02
4	40.5	.773	4.05	.090	9.23
3	30.4	.830	3.04	.063	6.46
2	39.0	.903	3.90	.086	8.82
1	51.9	1.000	5.19	.123	12.61

MOCNESS-1D-206
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	15	141.0
17	25	37.5	50	20	121.8
16	25	62.5	75	10	101.0
15	25	87.5	100	10	132.4
14	25	112.5	125	10	128.0
13	25	137.5	150	10	192.4
12	25	162.5	175	5	200.4
11	25	187.5	200	10	134.6
8	100	250.0	300	15	546.6
7	100	350.0	400	15	470.4
6	100	450.0	500	20	520.2
5	100	550.0	600	35	696.0
4	100	650.0	700	25	510.0
3	100	750.0	800	20	448.6
2	100	850.0	900	15	440.2
1	100	950.0	1000	20	412.3

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	106.4	.054	2.66	.298	7.64
17	164.2	.137	4.11	.510	13.07
16	99.0	.187	2.48	.273	7.00
15	75.5	.226	1.89	.195	5.00
14	78.1	.265	1.95	.203	5.20
13	52.0	.292	1.30	.123	3.15
12	25.0	.304	.62	.050	1.28
11	74.3	.342	1.86	.191	4.89
8	27.4	.398	2.74	.056	5.74
7	31.9	.462	3.19	.067	6.87
6	38.5	.540	3.85	.085	8.71
5	50.3	.643	5.03	.118	12.10
4	49.0	.742	4.90	.114	11.69
3	44.6	.832	4.46	.102	10.46
2	34.1	.902	3.41	.073	7.48
1	48.5	1.000	4.85	.113	11.58

MOCNESS-1D-207
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	25	148.4
17	25	37.5	50	25	118.2
16	25	62.5	75	20	132.3
15	25	87.5	100	10	126.7
14	25	112.5	125	20	126.6
13	25	137.5	150	10	181.4
12	25	162.5	175	5	67.8
11	25	187.5	200	10	143.2
8	100	250.0	300	15	466.8
7	100	350.0	400	15	500.7
6	100	450.0	500	20	593.4
5	100	550.0	600	25	767.9
4	100	650.0	700	20	480.1
3	100	750.0	800	15	439.6
2	100	850.0	900	15	463.0
1	100	950.0	1000	20	505.6

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	168.5	.081	4.21	.526	13.48
17	211.5	.183	5.29	.698	17.89
16	151.2	.256	3.78	.460	11.79
15	78.9	.295	1.97	.206	5.28
14	158.0	.371	3.95	.486	12.45
13	55.1	.397	1.38	.132	3.38
12	73.8	.433	1.84	.189	4.84
11	69.8	.467	1.75	.177	4.54
8	32.1	.529	3.21	.068	6.97
7	30.0	.587	3.00	.062	6.36
6	33.7	.652	3.37	.072	7.38
5	32.6	.715	3.26	.069	7.07
4	41.7	.795	4.17	.093	9.53
3	34.1	.861	3.41	.073	7.48
2	32.4	.924	3.24	.068	6.97
1	39.6	1.000	3.96	.088	9.02

MOCNESS-1D-208
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	35	134.1
17	25	37.5	50	25	114.8
16	25	62.5	75	20	135.2
15	25	87.5	100	15	112.8
14	25	112.5	125	10	132.9
13	25	137.5	150	15	71.6
12	25	162.5	175	10	110.5
11	25	187.5	200	10	114.6
8	100	250.0	300	20	519.6
7	100	350.0	400	20	476.4
6	100	450.0	500	30	425.2
5	100	550.0	600	25	511.3
4	100	650.0	700	25	428.8
3	100	750.0	800	35	435.5
2	100	850.0	900	25	516.7
1	100	950.0	1000	20	406.6

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	261.0	.088	6.53	.905	23.19
17	217.8	.161	5.44	.723	18.53
16	147.9	.211	3.70	.448	11.48
15	133.0	.256	3.33	.393	10.07
14	75.2	.281	1.88	.194	4.97
13	209.5	.352	5.24	.690	17.68
12	90.5	.383	2.26	.244	6.25
11	87.3	.412	2.18	.233	5.97
8	38.5	.464	3.85	.085	8.71
7	42.0	.520	4.20	.094	9.64
6	70.6	.616	7.06	.179	18.35
5	48.9	.681	4.89	.114	11.69
4	58.3	.760	5.83	.142	14.56
3	80.4	.868	8.04	.211	21.63
2	48.4	.934	4.84	.112	11.48
1	49.2	1.000	4.92	.115	11.79

MOCNESS-1D-209
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	3230	204.4
17	25	37.5	50	35	104.2
16	25	62.5	75	10	113.2
15	25	87.5	100	10	133.0
14	25	112.5	125	10	92.9
13	25	137.5	150	5	96.0
12	25	162.5	175	5	208.5
11	25	187.5	200	10	105.1
8	100	250.0	300	30	568.9
7	100	350.0	400	30	431.9
6	100	450.0	500	30	502.1
5	100	550.0	600	25	500.8
4	100	650.0	700	25	410.0
3	100	750.0	800	20	455.2
2	100	850.0	900	25	448.4
1	100	950.0	1000	20	533.5

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	15802.4	.863	395.06	145.290	3723.06
17	335.9	.882	8.40	1.237	31.70
16	88.3	.887	2.21	.237	6.07
15	75.2	.891	1.88	.194	4.97
14	107.6	.897	2.69	.302	7.74
13	52.1	.900	1.30	.123	3.15
12	24.0	.901	.60	.047	1.20
11	95.2	.906	2.38	.260	6.66
8	52.7	.918	5.27	.125	12.81
7	69.5	.933	6.95	.176	18.04
6	59.8	.946	5.98	.146	14.97
5	49.9	.957	4.99	.117	11.99
4	61.0	.970	6.10	.150	15.38
3	43.9	.980	4.39	.100	10.25
2	55.8	.992	5.58	.134	13.74
1	37.5	1.000	3.75	.082	8.41

MOCNESS-1D-210
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
17	25	12.5	25	30	238.7
16	50	50.0	75	20	197.1
15	25	87.5	100	15	148.9
14	25	112.5	125	15	332.0
13	25	137.5	150	10	177.8
12	25	162.5	175	10	158.4
11	25	187.5	200	10	143.6
8	100	250.0	300	10	415.6
7	100	350.0	400	20	486.5
6	100	450.0	500	15	581.5
5	100	550.0	600	25	459.0
4	100	650.0	700	20	485.4
3	100	750.0	800	15	411.2
2	100	850.0	900	15	490.1
1	100	950.0	1000	20	493.6

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
17	125.7	.068	3.14	.366	9.38
16	101.5	.179	5.08	.281	14.40
15	100.8	.233	2.52	.279	7.15
14	45.2	.258	1.13	.103	2.64
13	56.3	.288	1.41	.135	3.46
12	63.2	.323	1.58	.156	4.00
11	69.7	.361	1.74	.176	4.51
8	24.1	.413	2.41	.047	4.82
7	41.1	.502	4.11	.092	9.43
6	25.8	.558	2.58	.052	5.33
5	54.5	.677	5.45	.130	13.33
4	41.2	.766	4.12	.092	9.43
3	36.5	.845	3.65	.079	8.10
2	30.6	.912	3.06	.064	6.56
1	40.5	1.000	4.05	.090	9.23

MOCNESS-1D-211
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	30	157.1
17	25	37.5	50	15	112.7
16	25	62.5	75	15	102.0
15	25	87.5	100	15	163.8
14	25	112.5	125	10	118.7
13	25	137.5	150	10	94.1
12	25	162.5	175	10	103.8
11	25	187.5	200	10	184.0
8	100	250.0	300	15	450.5
7	100	350.0	400	15	472.4
6	100	450.0	500	15	478.5
5	100	550.0	600	15	478.4
4	100	650.0	700	10	502.8
3	100	750.0	800	15	662.4
2	100	850.0	900	15	530.7
1	100	950.0	1000	15	391.2

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	191.0	.103	4.77	.615	15.76
17	133.1	.175	3.33	.393	10.07
16	147.1	.254	3.68	.445	11.40
15	91.6	.304	2.29	.248	6.36
14	84.3	.349	2.11	.223	5.71
13	106.3	.407	2.66	.298	7.64
12	96.3	.459	2.41	.264	6.77
11	54.4	.488	1.36	.130	3.33
8	33.3	.560	3.33	.071	7.28
7	31.8	.629	3.18	.067	6.87
6	31.4	.696	3.14	.066	6.77
5	31.4	.764	3.14	.066	6.77
4	19.9	.807	1.99	.037	3.79
3	22.6	.856	2.26	.044	4.51
2	28.3	.917	2.83	.058	5.95
1	38.3	1.000	3.83	.084	8.61

MOCNESS-1D-212
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	20	151.2
17	25	37.5	50	15	103.2
16	25	62.5	75	15	122.0
15	25	87.5	100	10	85.6
14	25	112.5	125	10	151.4
13	25	137.5	150	10	142.9
12	25	162.5	175	10	125.0
11	25	187.5	200	15	120.9
8	100	250.0	300	20	418.8
7	100	350.0	400	15	445.4
6	100	450.0	500	15	513.2
5	100	550.0	600	20	410.9
4	100	650.0	700	20	823.3
3	100	750.0	800	20	416.4
2	100	850.0	900	15	378.6
1	100	950.0	1000	15	359.1

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	132.3	.063	3.31	.390	9.99
17	145.4	.132	3.63	.439	11.25
16	123.0	.190	3.07	.357	9.15
15	116.8	.245	2.92	.335	8.58
14	66.1	.277	1.65	.165	4.23
13	70.0	.310	1.75	.177	4.54
12	80.0	.348	2.00	.209	5.36
11	124.1	.406	3.10	.361	9.25
8	47.8	.497	4.78	.111	11.38
7	33.7	.561	3.37	.072	7.38
6	29.2	.616	2.92	.060	6.15
5	48.7	.709	4.87	.113	11.58
4	24.3	.755	2.43	.048	4.92
3	48.0	.846	4.80	.111	11.38
2	39.6	.921	3.96	.088	9.02
1	41.8	1.000	4.18	.094	9.64

MOCNESS-1D-213
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	20	180.8
17	25	37.5	50	15	136.2
16	25	62.5	75	15	171.1
15	25	87.5	100	20	133.5
14	25	112.5	125	10	98.9
13	25	137.5	150	10	118.8
12	25	162.5	175	10	191.6
11	25	187.5	200	10	134.7
8	100	250.0	300	10	423.4
7	100	350.0	400	10	547.8
6	100	450.0	500	15	434.8
5	100	550.0	600	15	542.9
4	100	650.0	700	15	645.4
3	100	750.0	800	15	424.9
2	100	850.0	900	15	326.9
1	100	950.0	1000	20	389.1

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	110.6	.061	2.77	.313	8.02
17	110.1	.122	2.75	.311	7.97
16	87.7	.170	2.19	.235	6.02
15	149.8	.253	3.75	.455	11.66
14	101.1	.309	2.53	.280	7.18
13	84.2	.356	2.11	.223	5.71
12	52.2	.385	1.31	.123	3.15
11	74.2	.426	1.86	.191	4.89
8	23.6	.478	2.36	.046	4.72
7	18.3	.518	1.83	.034	3.49
6	34.5	.594	3.45	.074	7.59
5	27.6	.655	2.76	.056	5.74
4	23.2	.707	2.32	.045	4.61
3	35.3	.785	3.53	.076	7.79
2	45.9	.886	4.59	.105	10.76
1	51.4	1.000	5.14	.121	12.40

MOCNESS-1D-214
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	10	146.8
17	25	37.5	50	15	147.9
16	25	62.5	75	15	234.8
15	25	87.5	100	10	80.3
14	25	112.5	125	10	252.9
13	25	137.5	150	15	165.5
12	25	162.5	175	10	142.5
11	25	187.5	200	10	231.5
8	100	250.0	300	15	566.2
7	100	350.0	400	10	525.0
6	100	450.0	500	10	463.0
5	100	550.0	600	10	579.3
4	100	650.0	700	15	549.0
3	100	750.0	800	15	516.3
2	100	850.0	900	20	425.1
1	100	950.0	1000	15	566.9

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	68.1	.047	1.70	.172	4.41
17	101.4	.116	2.54	.281	7.20
16	63.9	.160	1.60	.159	4.07
15	124.5	.245	3.11	.362	9.28
14	39.5	.273	.99	.088	2.26
13	90.6	.335	2.27	.244	6.25
12	70.2	.383	1.76	.178	4.56
11	43.2	.412	1.08	.098	2.51
8	26.5	.485	2.65	.053	5.43
7	19.1	.537	1.91	.035	3.59
6	21.6	.596	2.16	.041	4.20
5	17.3	.644	1.73	.031	3.18
4	27.3	.719	2.73	.055	5.64
3	29.1	.798	2.91	.060	6.15
2	47.1	.927	4.71	.109	11.17
1	26.5	1.000	2.65	.053	5.43

MOCNESS-1D-215
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	80	170.8
17	25	37.5	50	15	141.0
16	25	62.5	75	10	133.6
15	25	87.5	100	15	118.6
14	25	112.5	125	10	135.0
13	25	137.5	150	10	153.7
12	25	162.5	175	10	146.4
11	25	187.5	200	10	207.5
8	100	250.0	300	15	480.2
7	100	350.0	400	15	496.1
6	100	450.0	500	15	407.4
5	100	550.0	600	25	449.0
4	100	650.0	700	35	634.4
3	100	750.0	800	20	551.7
2	100	850.0	900	30	479.3
1	100	950.0	1000	20	417.4

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	468.4	.191	11.71	1.866	47.82
17	106.4	.234	2.66	.298	7.64
16	74.9	.265	1.87	.193	4.95
15	126.5	.316	3.16	.369	9.46
14	74.1	.346	1.85	.190	4.87
13	65.1	.373	1.63	.162	4.15
12	68.3	.401	1.71	.172	4.41
11	48.2	.420	1.21	.112	2.87
8	31.2	.471	3.12	.065	6.66
7	30.2	.520	3.02	.063	6.46
6	36.8	.580	3.68	.080	8.20
5	55.7	.671	5.57	.134	13.74
4	55.2	.761	5.52	.132	13.53
3	36.3	.820	3.63	.079	8.10
2	62.6	.922	6.26	.155	15.89
1	47.9	1.000	4.79	.111	11.38

MOCNESS-1D-216
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	40	209.0
17	25	37.5	50	20	141.7
16	25	62.5	75	10	171.3
15	25	87.5	100	10	173.4
14	25	112.5	125	10	126.8
13	25	137.5	150	10	105.0
12	25	162.5	175	10	196.6
11	25	187.5	200	10	172.0
8	100	250.0	300	10	466.5
7	100	350.0	400	20	585.5
6	100	450.0	500	30	577.4
5	100	550.0	600	25	409.0
4	100	650.0	700	25	457.8
3	100	750.0	800	30	506.8
2	100	850.0	900	30	468.8
1	100	950.0	1000	25	453.2

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	191.4	.082	4.79	.617	15.81
17	141.1	.142	3.53	.423	10.84
16	58.4	.167	1.46	.142	3.64
15	57.7	.192	1.44	.140	3.59
14	78.9	.226	1.97	.206	5.28
13	95.2	.266	2.38	.260	6.66
12	50.9	.288	1.27	.120	3.08
11	58.1	.313	1.45	.141	3.61
8	21.4	.350	2.14	.041	4.20
7	34.2	.408	3.42	.073	7.48
6	52.0	.497	5.20	.123	12.61
5	61.1	.601	6.11	.150	15.38
4	54.6	.695	5.46	.131	13.43
3	59.2	.796	5.92	.144	14.76
2	64.0	.906	6.40	.159	16.30
1	55.2	1.000	5.52	.132	13.53

MOCNESS-1D-217
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	DISVOL	VOLFIL
0	123	62.0	15	650.2
1	50	98.0	15	312.4
2	29	59.0	25	239.7
3	44	22.0	20	335.9
4	126	63.0	25	677.2
5	49	102.0	10	256.6
6	38	58.0	20	260.6
7	39	20.0	30	261.5
8	125	63.0	35	731.3
11	46	97.0	10	297.5
12	47	50.0	15	396.4
13	27	14.0	60	216.7
14	120	60.0	50	887.6
15	52	94.0	10	509.7
16	45	45.0	20	404.1
17	23	12.0	130	454.3
18	134	67.0	125	929.6
19	134	67.0	80	965.3

NET#	CC/1000M3	INTBIO	C (UM/KG)	C (MM/M2)
0	23.1	2.84	.045	5.67
1	48.0	2.40	.111	5.69
2	104.3	3.03	.291	8.65
3	59.5	2.62	.145	6.54
4	36.9	4.65	.080	10.33
5	39.0	1.91	.086	4.32
6	76.7	2.92	.199	7.75
7	114.7	4.47	.327	13.07
8	47.9	5.99	.111	14.22
11	33.6	1.55	.072	3.40
12	37.8	1.78	.083	4.00
13	276.9	7.48	.974	26.96
14	56.3	6.76	.136	16.73
15	19.6	1.02	.037	1.97
16	49.5	2.23	.116	5.35
17	286.2	6.58	1.014	23.91
18	134.5	18.02	.398	54.67
19	82.9	11.11	.219	30.08

MOCNESS-1D-218
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	25	183.8
17	25	37.5	50	20	150.9
16	25	62.5	75	20	147.2
15	25	87.5	100	15	140.0
14	25	112.5	125	15	128.2
13	25	137.5	150	10	124.8
12	25	162.5	175	10	115.6
11	25	187.5	200	10	163.7
8	100	250.0	300	15	751.7
7	100	350.0	400	15	662.4
6	100	450.0	500	10	488.8
5	100	550.0	600	15	514.3
4	100	650.0	700	20	857.5
3	100	750.0	800	15	532.4
2	100	850.0	900	15	423.8
1	100	950.0	1000	15	340.4

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	136.0	.078	3.40	.404	10.35
17	132.5	.154	3.31	.391	10.02
16	135.9	.231	3.40	.403	10.33
15	107.1	.292	2.68	.301	7.71
14	117.0	.359	2.93	.335	8.58
13	80.1	.405	2.00	.210	5.38
12	86.5	.455	2.16	.231	5.92
11	61.1	.490	1.53	.150	3.84
8	20.0	.535	2.00	.038	3.90
7	22.6	.587	2.26	.044	4.51
6	20.5	.634	2.05	.039	4.00
5	29.2	.701	2.92	.060	6.15
4	23.3	.754	2.33	.046	4.72
3	28.2	.818	2.82	.058	5.95
2	35.4	.899	3.54	.076	7.79
1	44.1	1.000	4.41	.100	10.25

MOCNESS-1D-219
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	15	220.6
17	25	37.5	50	15	205.6
16	25	62.5	75	15	135.0
15	25	87.5	100	10	130.0
14	25	112.5	125	10	129.8
13	25	137.5	150	5	152.7
12	25	162.5	175	10	180.7
11	25	187.5	200	10	203.8
8	100	250.0	300	15	559.3
7	100	350.0	400	25	566.9
6	100	450.0	500	15	507.1
5	100	550.0	600	20	495.2
4	100	650.0	700	20	494.1
3	100	750.0	800	20	823.2
2	100	850.0	900	25	429.8
1	100	950.0	1000	15	423.8

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	68.0	.039	1.70	.171	4.38
17	73.0	.081	1.82	.187	4.79
16	111.1	.145	2.78	.315	8.07
15	76.9	.189	1.92	.200	5.13
14	77.0	.233	1.93	.200	5.13
13	32.7	.252	.82	.069	1.77
12	55.3	.284	1.38	.133	3.41
11	49.1	.312	1.23	.114	2.92
8	26.8	.374	2.68	.054	5.54
7	44.1	.475	4.41	.100	10.25
6	29.6	.543	2.96	.061	6.25
5	40.4	.636	4.04	.090	9.23
4	40.5	.729	4.05	.090	9.23
3	24.3	.785	2.43	.048	4.92
2	58.2	.919	5.82	.141	14.45
1	35.4	1.000	3.54	.076	7.79

MOCNESS-1D-220
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	DISVOL	VOLFIL
0	100	50.0	13	650.3
1	100	50.0	20	528.3
2	100	50.0	15	493.3
3	100	50.0	20	505.1
4	100	50.0	20	587.3
5	100	50.0	20	643.5
6	100	50.0	20	598.6
7	100	50.0	20	541.6
8	100	50.0	20	583.0
11	100	50.0	25	590.8
12	100	50.0	25	562.4
13	100	50.0	25	696.5
14	100	50.0	30	536.0
15	100	50.0	20	547.5
16	100	50.0	30	561.1
17	100	50.0	25	511.4
18	100	50.0	30	549.1
19	100	50.0	40	584.3

NET#	CC/1000M3	INTBIO	C (UM/KG)	C (MM/M2)
0	20.0	2.00	.038	3.90
1	37.9	3.79	.083	8.51
2	30.4	3.04	.063	6.46
3	39.6	3.96	.088	9.02
4	34.1	3.41	.073	7.48
5	31.1	3.11	.065	6.66
6	33.4	3.34	.071	7.28
7	36.9	3.69	.080	8.20
8	34.3	3.43	.073	7.48
11	42.3	4.23	.095	9.74
12	44.5	4.45	.101	10.35
13	35.9	3.59	.078	8.00
14	56.0	5.60	.135	13.84
15	36.5	3.65	.079	8.10
16	53.5	5.35	.127	13.02
17	48.9	4.89	.114	11.69
18	54.6	5.46	.131	13.43
19	68.5	6.85	.173	17.73

MOCNESS-1D-221
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	10	5.0	10	15	170.0
17	10	15.0	20	25	220.8
16	10	25.0	30	30	209.6
15	10	35.0	40	20	243.6
14	10	45.0	50	20	299.8
13	10	55.0	60	15	212.7
12	10	65.0	70	20	227.2
11	10	75.0	80	20	188.5
8	10	85.0	90	15	172.3
7	10	95.0	100	10	174.7
6	10	105.0	110	5	354.8
5	10	115.0	120	15	142.3
4	10	125.0	130	10	140.3
3	10	135.0	140	5	150.8
2	10	145.0	150	5	160.8
1	10	155.0	160	15	198.2

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	88.2	.072	.88	.236	2.42
17	113.2	.163	1.13	.322	3.30
16	143.1	.279	1.43	.430	4.41
15	82.1	.346	.82	.216	2.21
14	66.7	.400	.67	.167	1.71
13	70.5	.457	.71	.179	1.84
12	88.0	.529	.88	.236	2.42
11	106.1	.615	1.06	.297	3.04
8	87.1	.685	.87	.233	2.39
7	57.2	.732	.57	.138	1.41
6	14.1	.743	.14	.024	.25
5	105.4	.829	1.05	.295	3.02
4	71.3	.887	.71	.182	1.87
3	33.2	.913	.33	.070	.72
2	31.1	.939	.31	.065	.67
1	75.7	1.000	.76	.196	2.01

MOCNESS-1D-222
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	10	5.0	10	35	244.4
17	10	15.0	20	20	176.8
16	10	25.0	30	25	185.4
15	10	35.0	40	20	227.2
14	10	45.0	50	30	265.0
13	10	55.0	60	20	219.5
12	10	65.0	70	20	230.5
11	10	75.0	80	35	339.1
8	10	85.0	90	15	218.0
7	10	95.0	100	10	224.6
6	10	105.0	110	10	217.2
5	10	115.0	120	10	167.0
4	10	125.0	130	10	281.5
3	10	135.0	140	10	283.7
2	10	145.0	150	10	221.2
1	10	155.0	160	10	181.4

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	143.2	.113	1.43	.431	4.42
17	113.1	.203	1.13	.322	3.30
16	134.8	.310	1.35	.400	4.10
15	88.0	.379	.88	.236	2.42
14	113.2	.469	1.13	.322	3.30
13	91.1	.541	.91	.246	2.52
12	86.8	.609	.87	.232	2.38
11	103.2	.691	1.03	.287	2.94
8	68.8	.746	.69	.174	1.78
7	44.5	.781	.45	.101	1.04
6	46.0	.817	.46	.106	1.09
5	59.9	.865	.60	.146	1.50
4	35.5	.893	.36	.077	.79
3	35.3	.921	.35	.076	.78
2	45.2	.956	.45	.103	1.06
1	55.1	1.000	.55	.132	1.35

MOCNESS-1D-223
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	30	169.2
17	25	37.5	50	15	139.0
16	25	62.5	75	10	120.6
15	25	87.5	100	15	135.7
14	25	112.5	125	15	138.1
13	25	137.5	150	15	119.0
12	25	162.5	175	10	269.5
11	25	187.5	200	10	90.8
8	100	250.0	300	10	419.4
7	100	350.0	400	15	512.1
6	100	450.0	500	15	530.2
5	100	550.0	600	10	579.0
4	100	650.0	700	15	715.7
3	100	750.0	800	10	557.4
2	100	850.0	900	15	547.0
1	100	950.0	1000	20	559.9

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	177.3	.107	4.43	.561	14.38
17	107.9	.171	2.70	.303	7.76
16	82.9	.221	2.07	.219	5.61
15	110.5	.288	2.76	.313	8.02
14	108.6	.353	2.72	.306	7.84
13	126.1	.429	3.15	.368	9.43
12	37.1	.451	.93	.081	2.08
11	110.1	.517	2.75	.311	7.97
8	23.8	.575	2.38	.047	4.82
7	29.3	.645	2.93	.060	6.15
6	28.3	.713	2.83	.058	5.95
5	17.3	.755	1.73	.031	3.18
4	21.0	.805	2.10	.040	4.10
3	17.9	.848	1.79	.033	3.38
2	27.4	.914	2.74	.056	5.74
1	35.7	1.000	3.57	.077	7.89

MOCNESS-1D-224
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	20	182.0
17	25	37.5	50	15	121.5
16	25	62.5	75	15	118.6
15	25	87.5	100	15	130.4
14	25	112.5	125	15	187.1
13	25	137.5	150	10	135.6
12	25	162.5	175	10	133.0
11	25	187.5	200	15	132.3
8	100	250.0	300	15	414.4
7	100	350.0	400	15	432.8
6	100	450.0	500	15	491.6
5	100	550.0	600	10	392.1
4	100	650.0	700	15	413.1
3	100	750.0	800	15	460.5
2	100	850.0	900	10	452.5
1	100	950.0	1000	20	425.9

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	109.9	.059	2.75	.310	7.94
17	123.5	.124	3.09	.358	9.17
16	126.5	.192	3.16	.369	9.46
15	115.0	.253	2.88	.328	8.41
14	80.2	.296	2.00	.210	5.38
13	73.8	.335	1.84	.189	4.84
12	75.2	.375	1.88	.194	4.97
11	113.4	.436	2.84	.323	8.28
8	36.2	.513	3.62	.079	8.10
7	34.7	.587	3.47	.074	7.59
6	30.5	.652	3.05	.064	6.56
5	25.5	.706	2.55	.051	5.23
4	36.3	.783	3.63	.079	8.10
3	32.6	.853	3.26	.069	7.07
2	22.1	.900	2.21	.043	4.41
1	47.0	1.000	4.70	.108	11.07

MOCNESS-1D-225
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	40	110.6
17	25	37.5	50	30	78.6
16	25	62.5	75	25	261.8
15	25	87.5	100	10	93.7
14	25	112.5	125	10	110.0
13	25	137.5	150	15	221.3
12	25	162.5	175	15	109.2
11	25	187.5	200	30	246.7
8	100	250.0	300	30	463.0
7	100	350.0	400	20	443.8
6	100	450.0	500	20	497.0
5	100	550.0	600	20	468.4
4	100	650.0	700	15	481.7
3	100	750.0	800	25	515.1
2	100	850.0	900	20	522.4
1	100	950.0	1000	30	534.7

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	361.7	.128	9.04	1.355	34.72
17	381.7	.263	9.54	1.449	37.13
16	95.5	.296	2.39	.261	6.69
15	106.7	.334	2.67	.299	7.66
14	90.9	.366	2.27	.245	6.28
13	67.8	.390	1.70	.171	4.38
12	137.4	.439	3.43	.409	10.48
11	121.6	.482	3.04	.352	9.02
8	64.8	.573	6.48	.161	16.50
7	45.1	.637	4.51	.103	10.56
6	40.2	.694	4.02	.089	9.12
5	42.7	.754	4.27	.096	9.84
4	31.1	.798	3.11	.065	6.66
3	48.5	.867	4.85	.113	11.58
2	38.3	.921	3.83	.084	8.61
1	56.1	1.000	5.61	.135	13.84

MOCNESS-1D-226
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	25	12.5	25	40	118.2
17	25	37.5	50	25	124.6
16	25	62.5	75	20	171.3
15	25	87.5	100	15	153.3
14	25	112.5	125	10	145.5
13	25	137.5	150	10	179.1
12	25	162.5	175	10	116.4
11	25	187.5	200	15	143.0
8	100	250.0	300	30	552.7
7	100	350.0	400	30	552.9
6	100	450.0	500	30	499.3
5	100	550.0	600	25	507.3
4	100	650.0	700	35	538.4
3	100	750.0	800	35	459.6
2	100	850.0	900	25	443.3
1	100	950.0	1000	40	968.4

NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	338.4	.117	8.46	1.248	31.98
17	200.6	.186	5.02	.654	16.76
16	116.8	.226	2.92	.334	8.56
15	97.9	.260	2.45	.269	6.89
14	68.7	.284	1.72	.174	4.46
13	55.8	.303	1.40	.134	3.43
12	85.9	.333	2.15	.229	5.87
11	104.9	.369	2.62	.293	7.51
8	54.3	.444	5.43	.130	13.33
7	54.3	.519	5.43	.130	13.33
6	60.1	.602	6.01	.147	15.07
5	49.3	.670	4.93	.115	11.79
4	65.0	.760	6.50	.162	16.61
3	76.2	.865	7.62	.197	20.19
2	56.4	.943	5.64	.136	13.94
1	41.3	1.000	4.13	.092	9.43

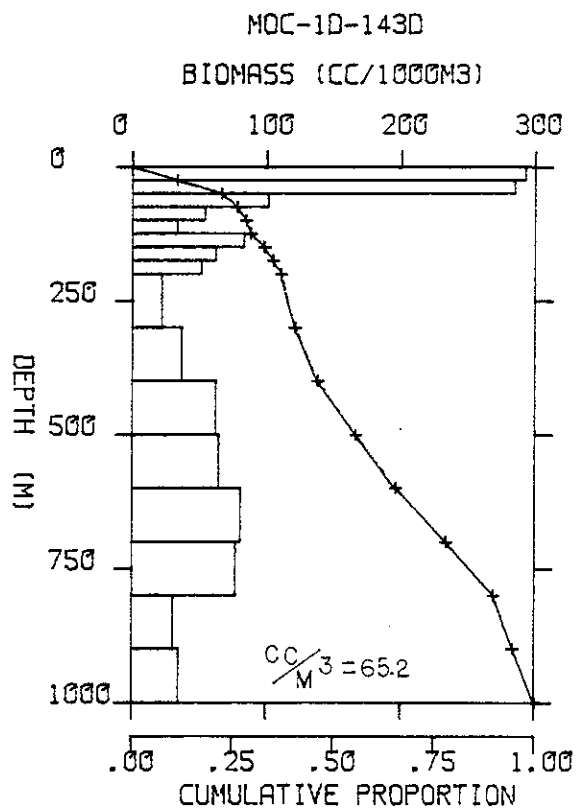
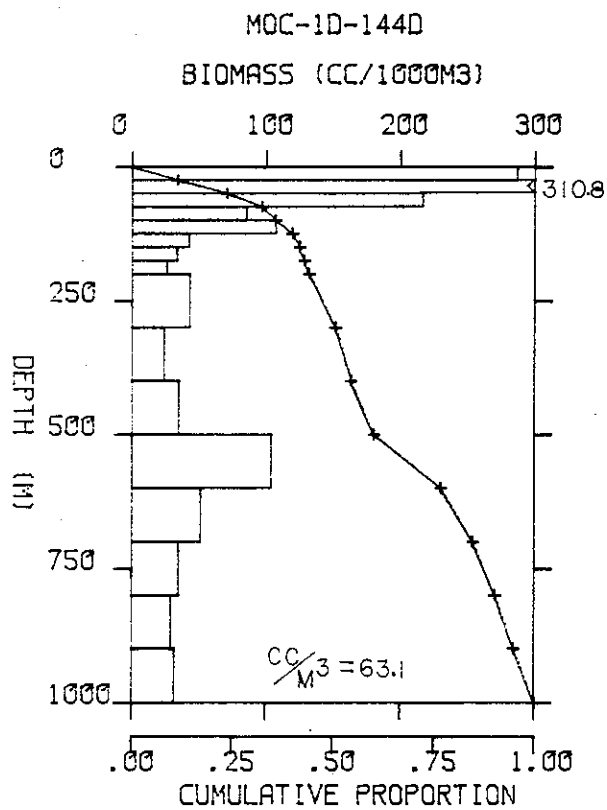
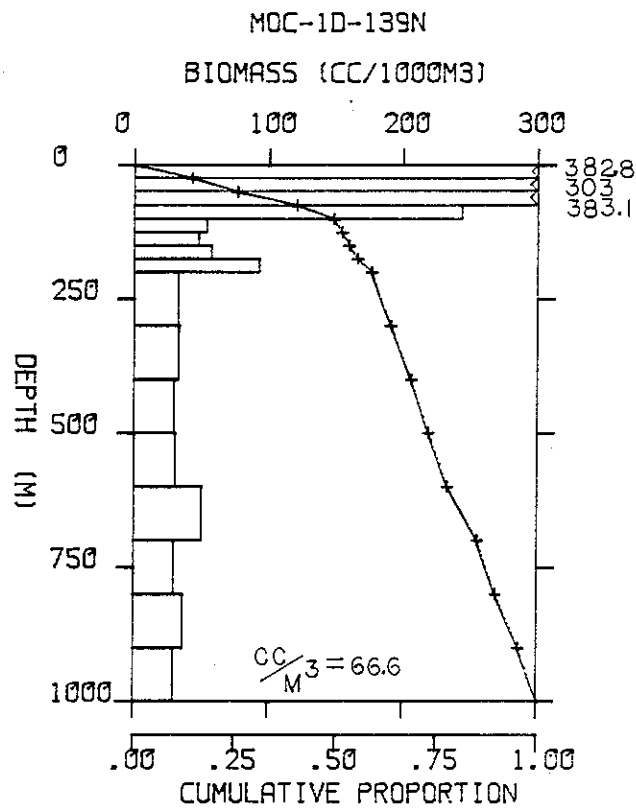
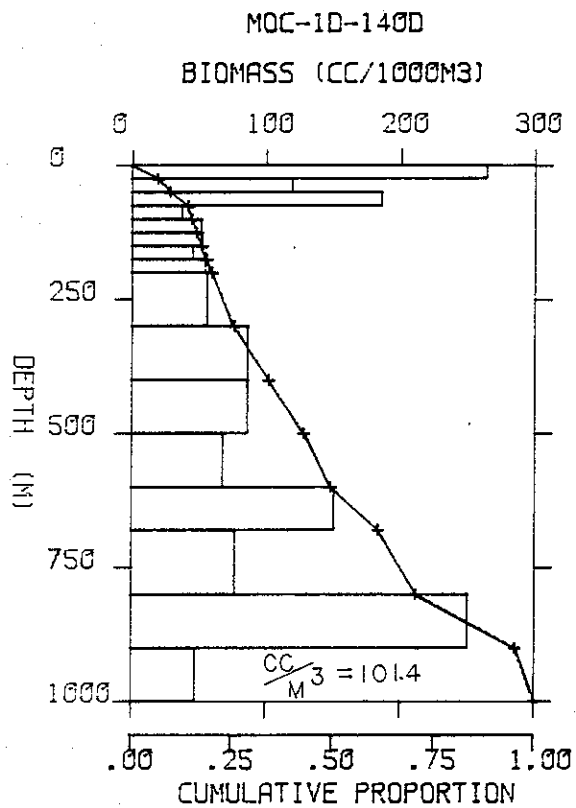
MOCNESS-1D-227
TOW INFORMATION AND ZOOPLANKTON BIOMASS DATA

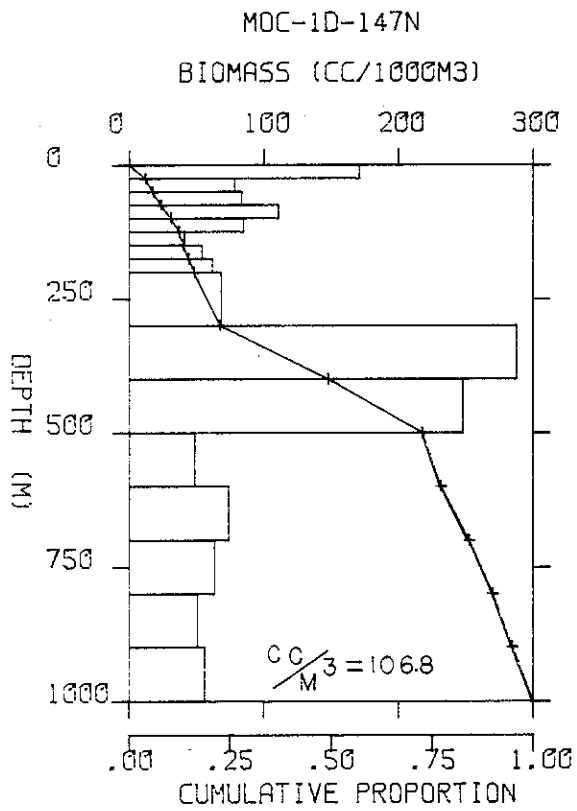
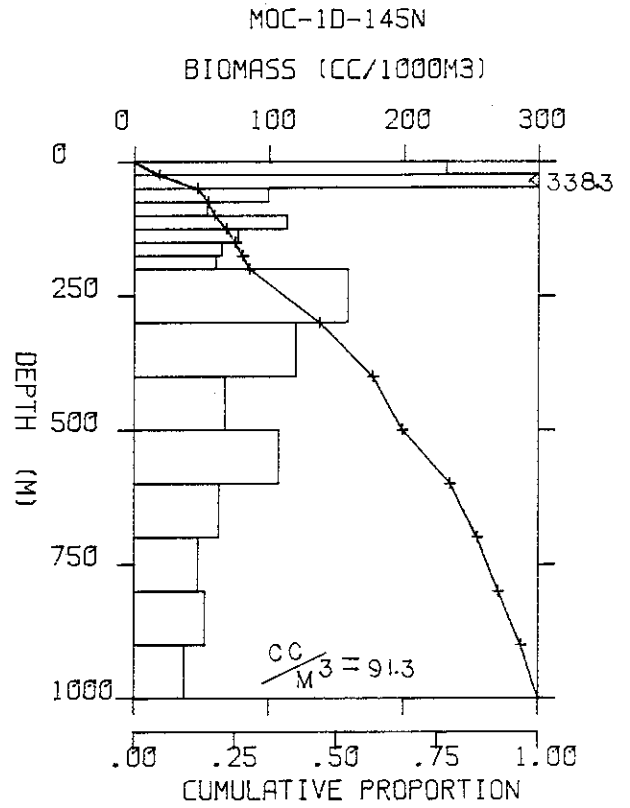
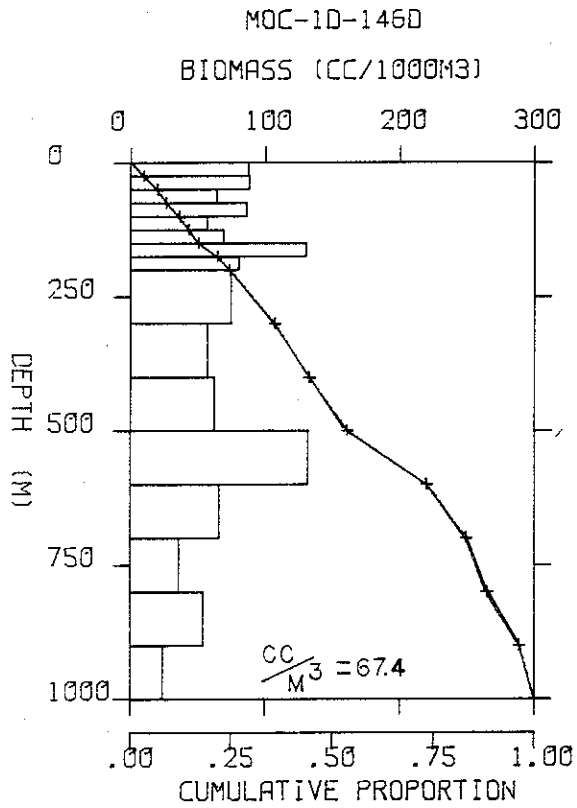
NET#	DEPTHI	MIDD	LOWD	DISVOL	VOLFIL
18	10	5.0	10	40	250.9
17	10	15.0	20	60	222.6
16	10	25.0	30	90	229.7
15	10	35.0	40	75	237.8
14	10	45.0	50	45	190.9
13	10	55.0	60	40	195.5
12	10	65.0	70	30	236.6
11	10	75.0	80	25	217.1
8	10	85.0	90	25	220.6
7	10	95.0	100	15	232.1
6	10	105.0	110	15	229.9
5	10	115.0	120	20	316.0
4	10	125.0	130	15	248.0
3	10	135.0	140	10	212.5
2	10	145.0	150	10	288.9
1	10	155.0	160	20	252.5

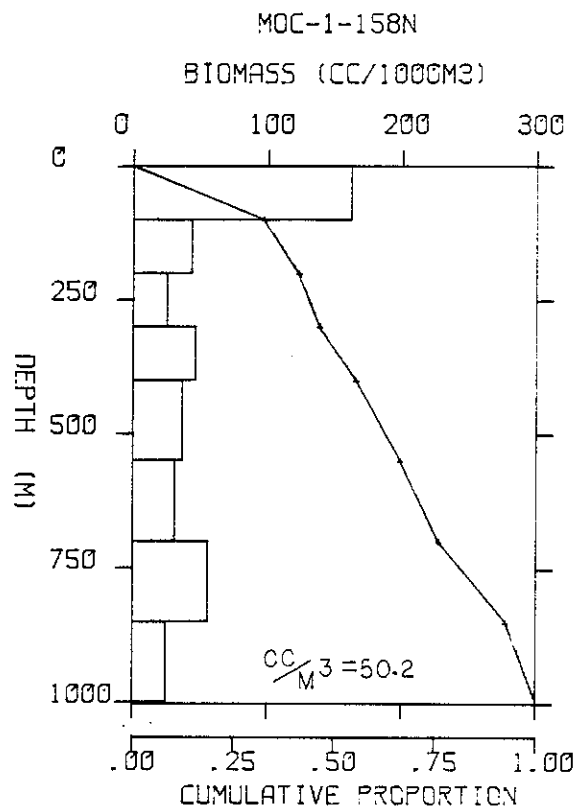
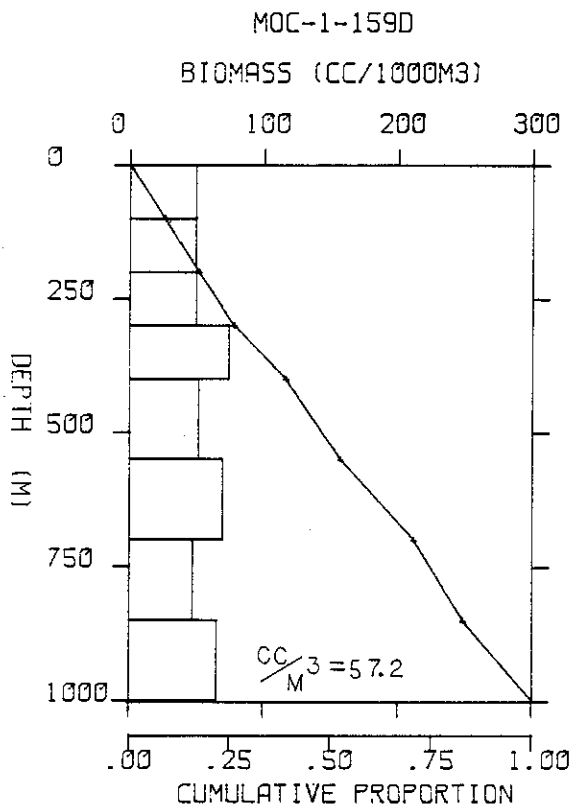
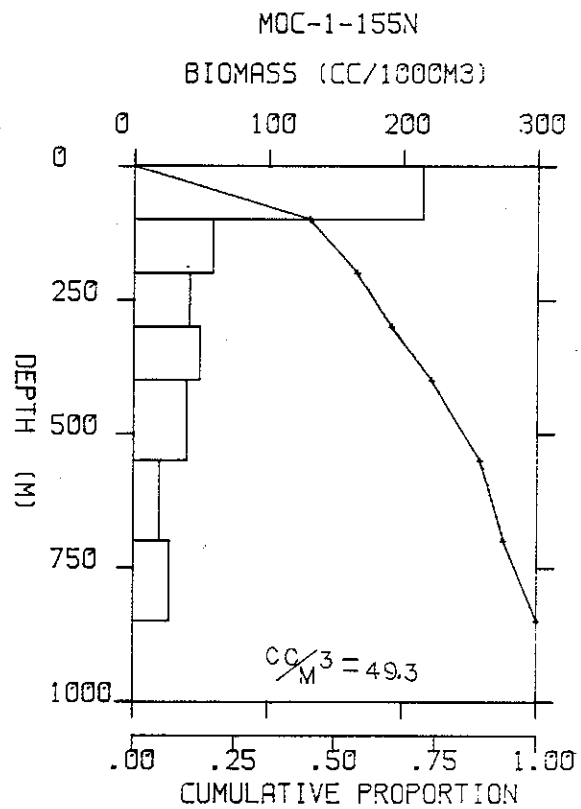
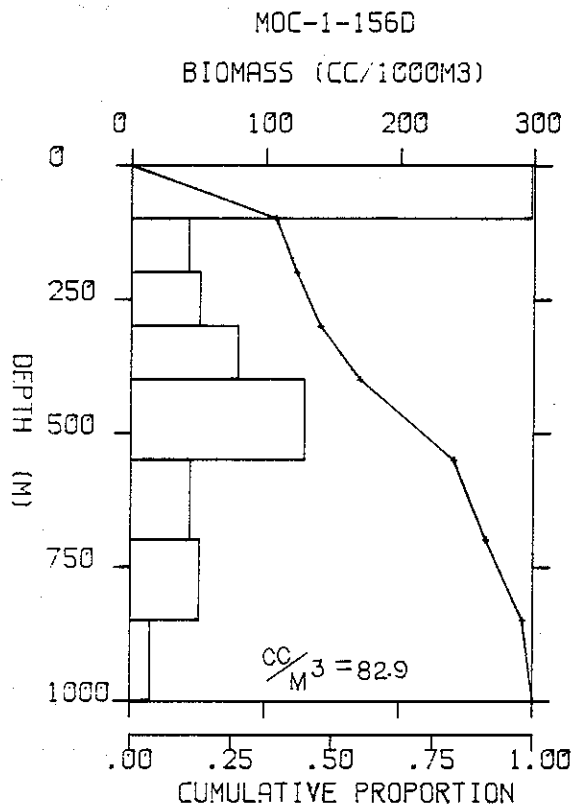
NET#	CC/1000M3	CUM %	INTBIO	C (UM/KG)	C (MM/M2)
18	159.4	.068	1.59	.492	5.04
17	269.5	.183	2.70	.942	9.66
16	391.8	.350	3.92	1.496	15.33
15	315.4	.484	3.15	1.144	11.73
14	235.7	.585	2.36	.798	8.18
13	204.6	.672	2.05	.670	6.87
12	126.8	.726	1.27	.370	3.79
11	115.2	.775	1.15	.329	3.37
8	113.3	.823	1.13	.322	3.30
7	64.6	.851	.65	.161	1.65
6	65.3	.879	.65	.163	1.67
5	63.3	.906	.63	.157	1.61
4	60.5	.931	.61	.148	1.52
3	47.1	.951	.47	.109	1.12
2	34.6	.966	.35	.074	.76
1	79.2	1.000	.79	.207	2.12

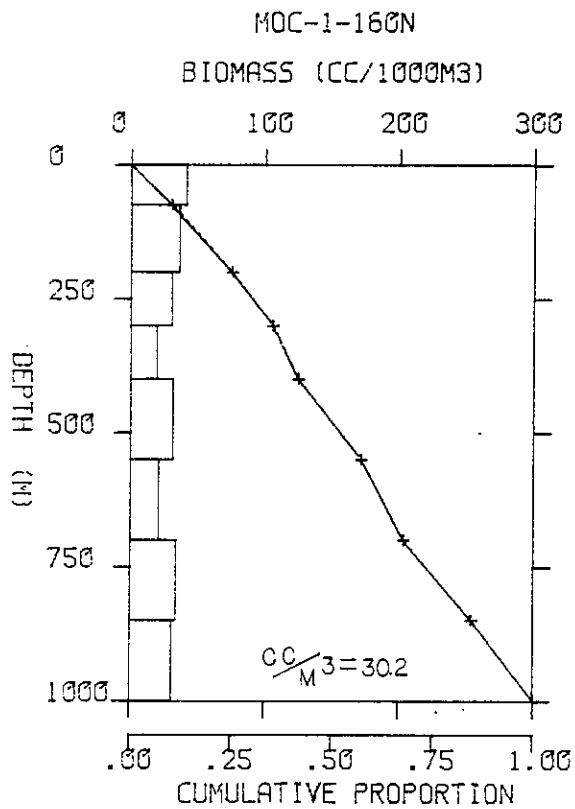
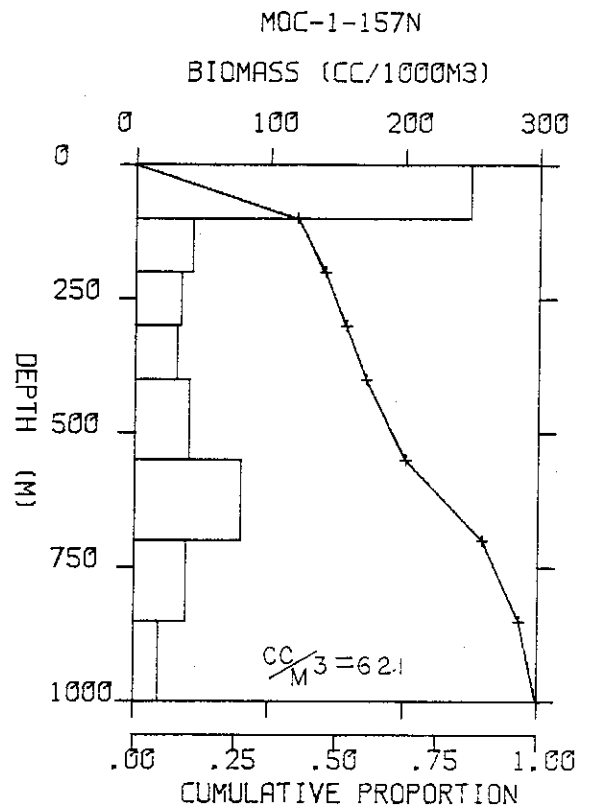
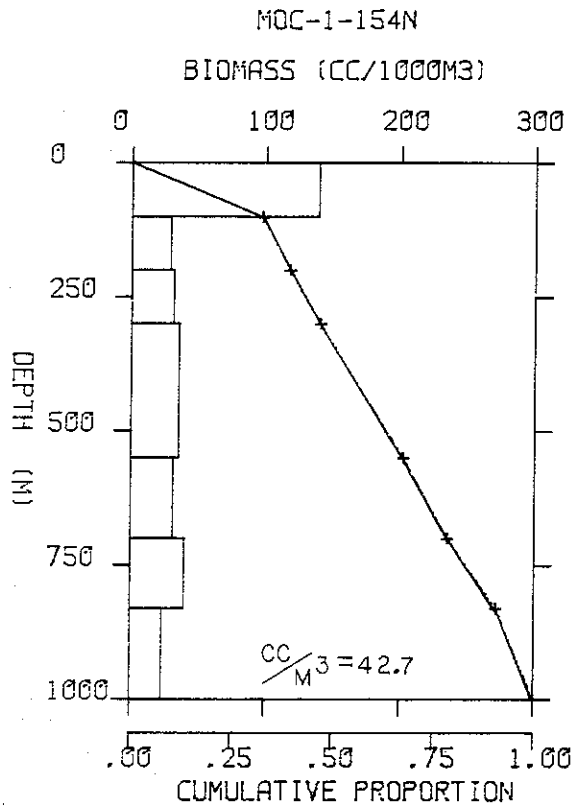
BIOMASS PLOTS

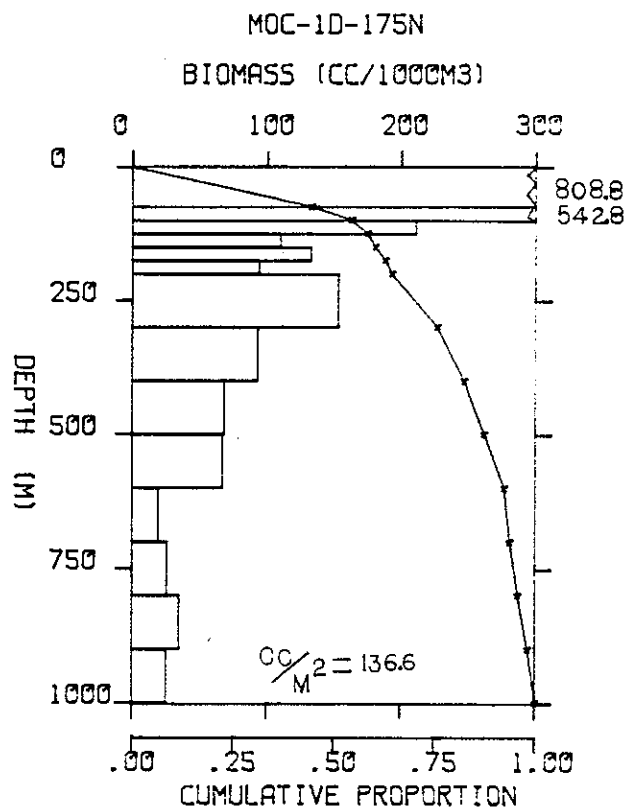
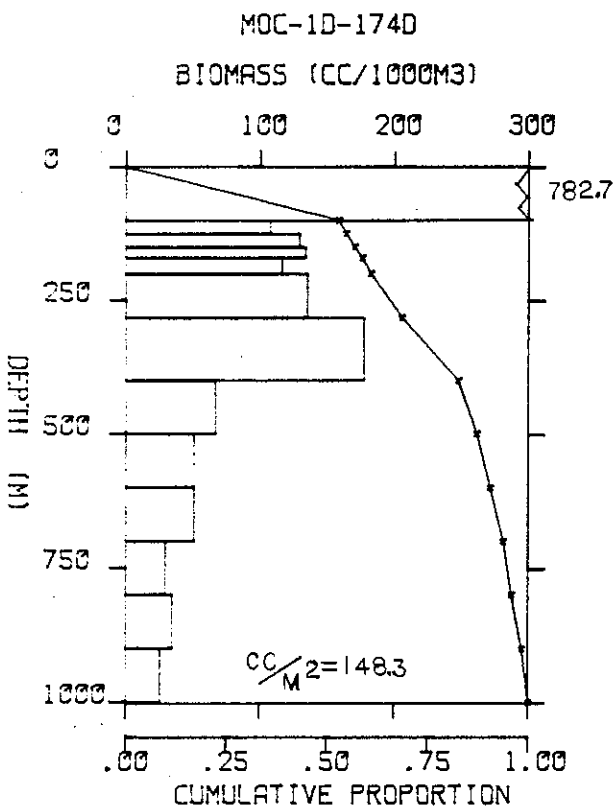
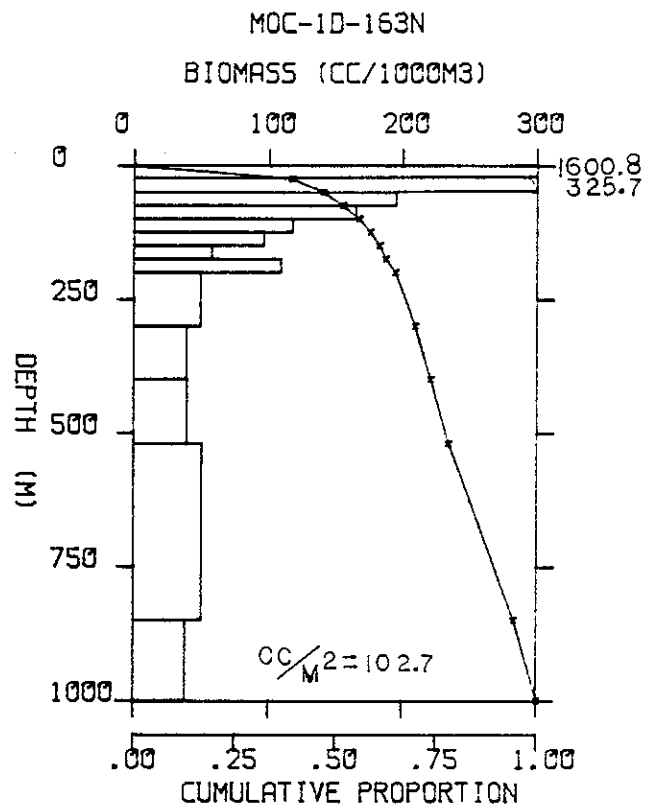
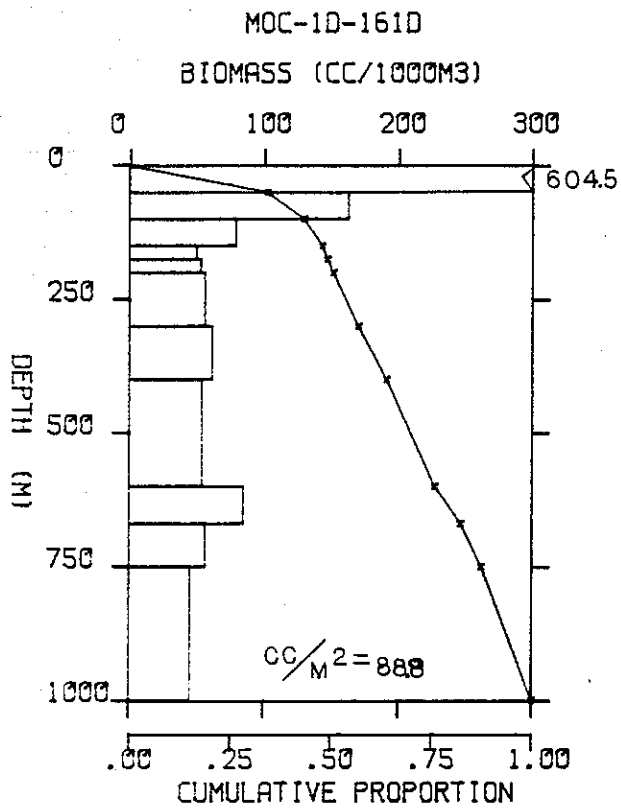
Vertical distribution of biomass (cubic centimeters of displacement volume per 1000 m³ of water filtered by net) for discrete depth intervals; overlain is cumulative proportion of this biomass from the surface to depth. Integrated biomass for the total water column is denoted in cubic centimeters per m². Plots are designated by tow number and tow information can be found in previous tables.

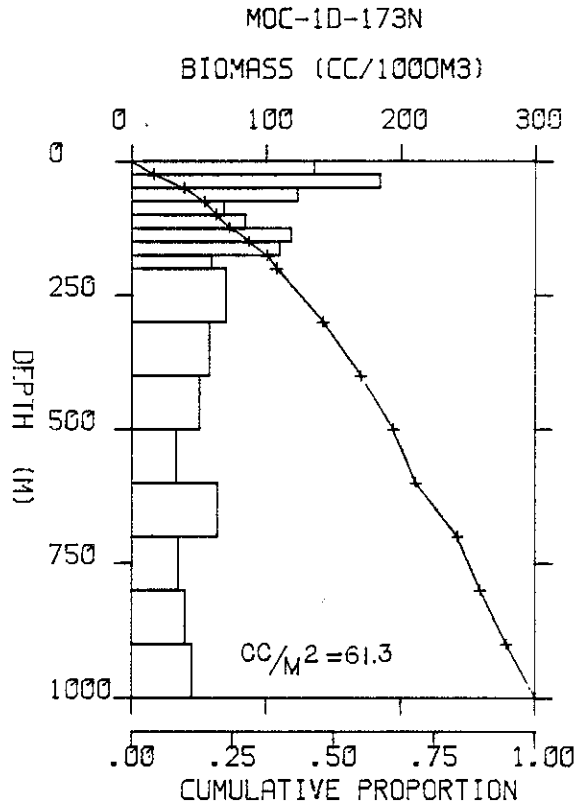
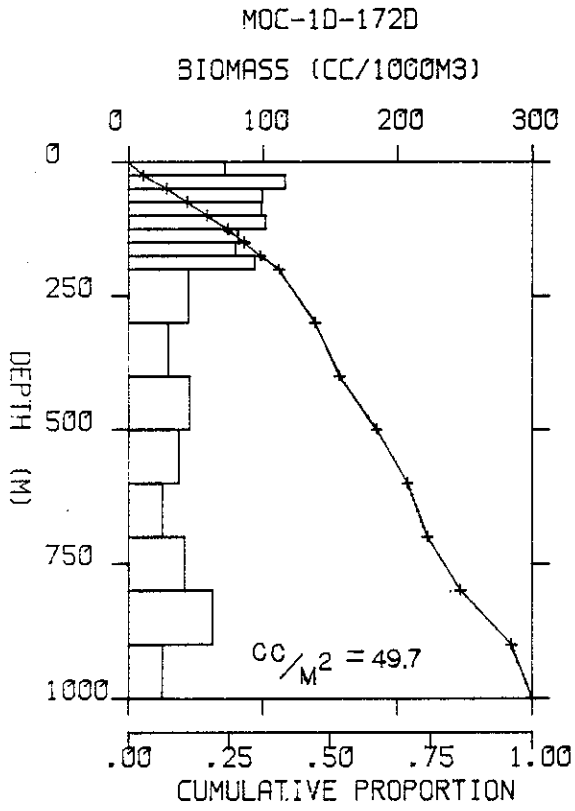
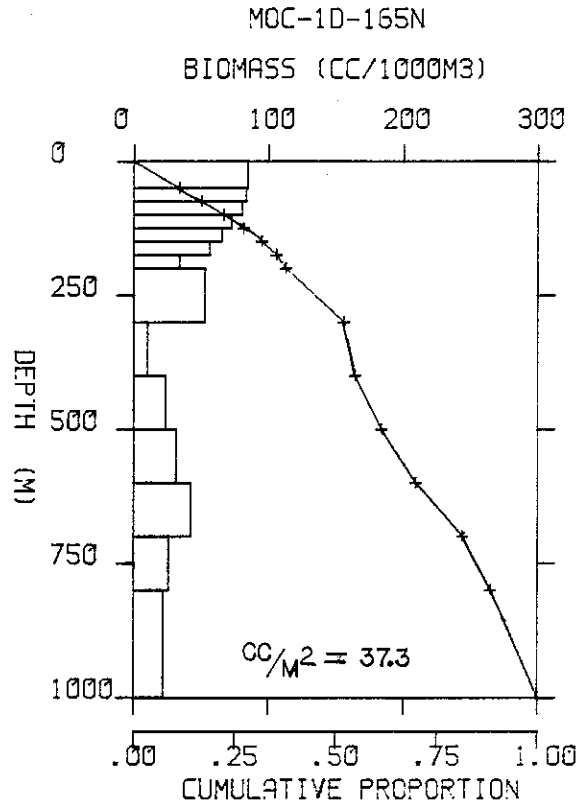
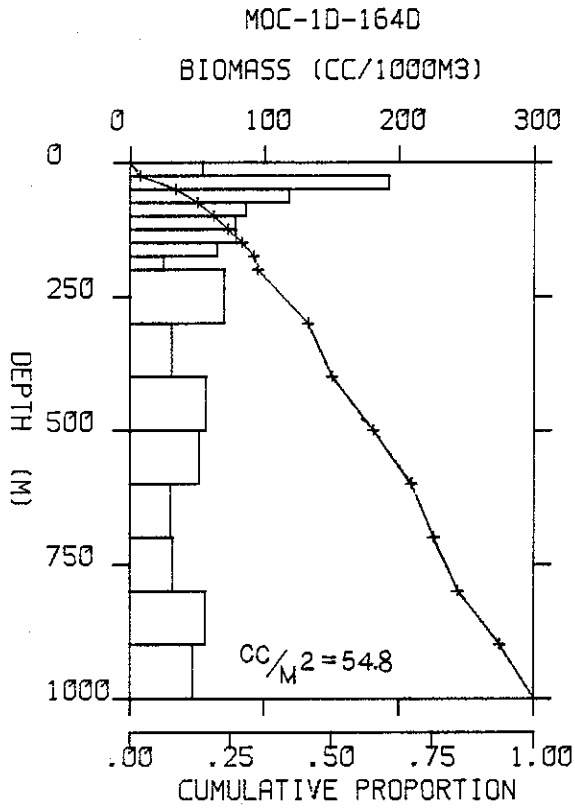


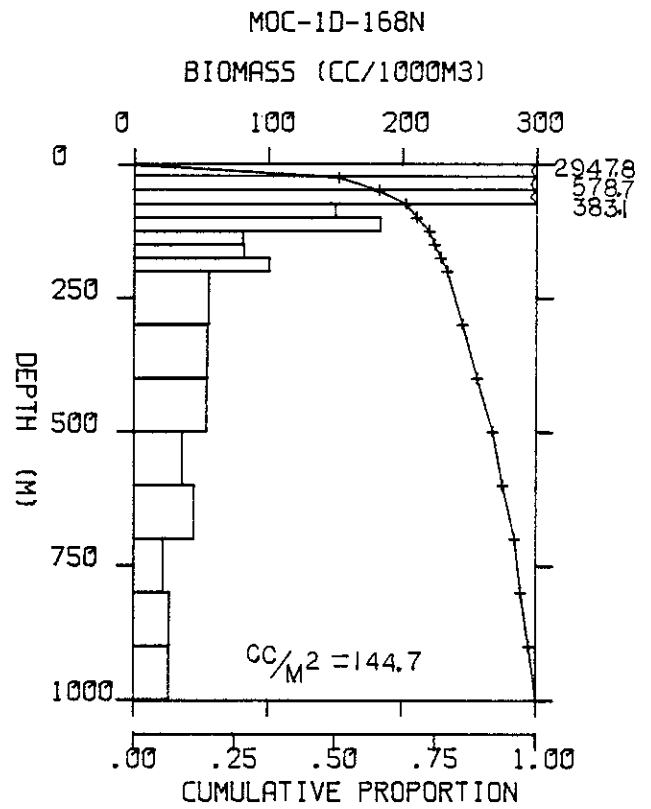
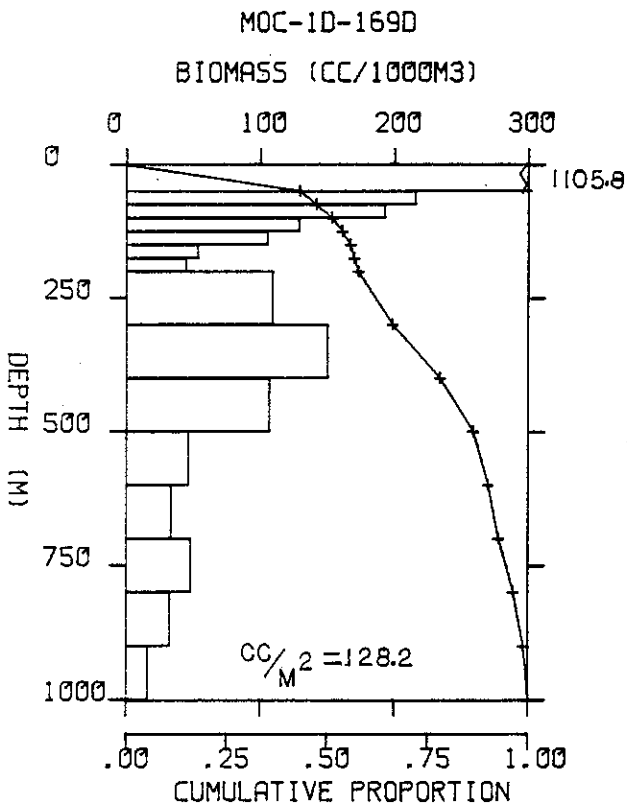
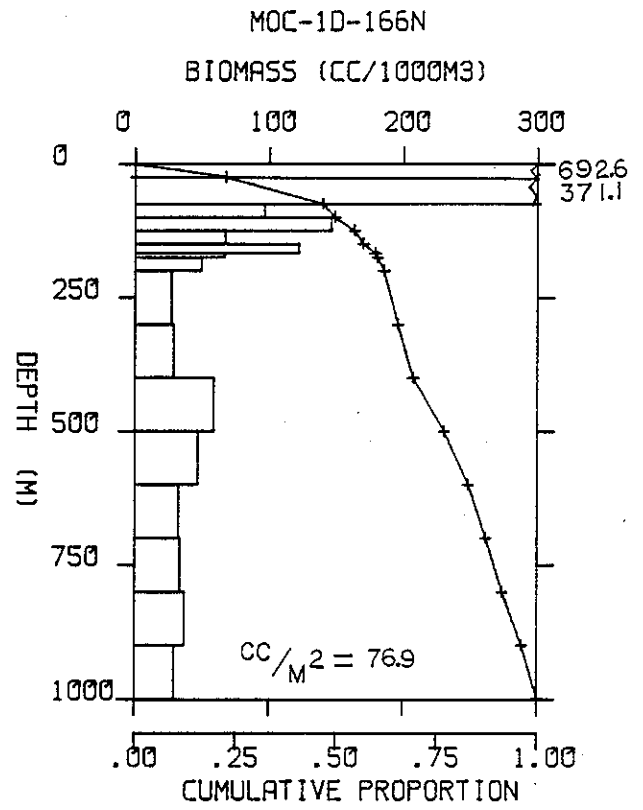
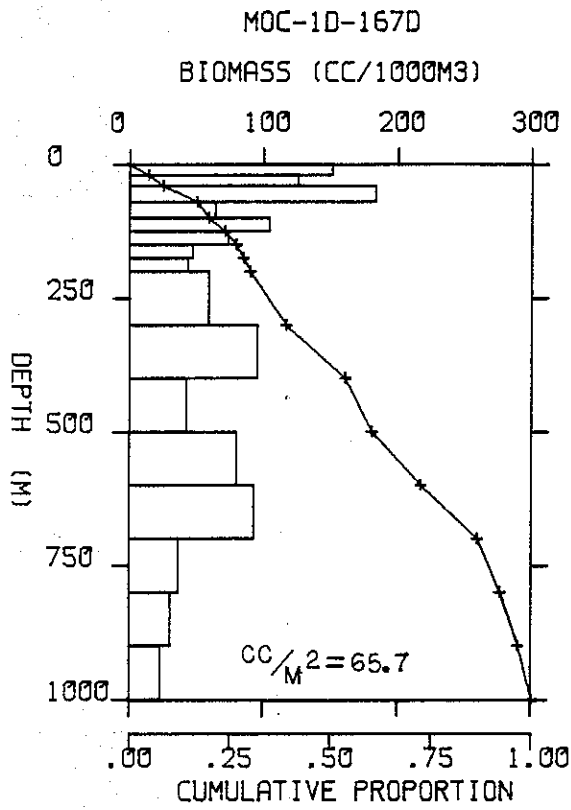


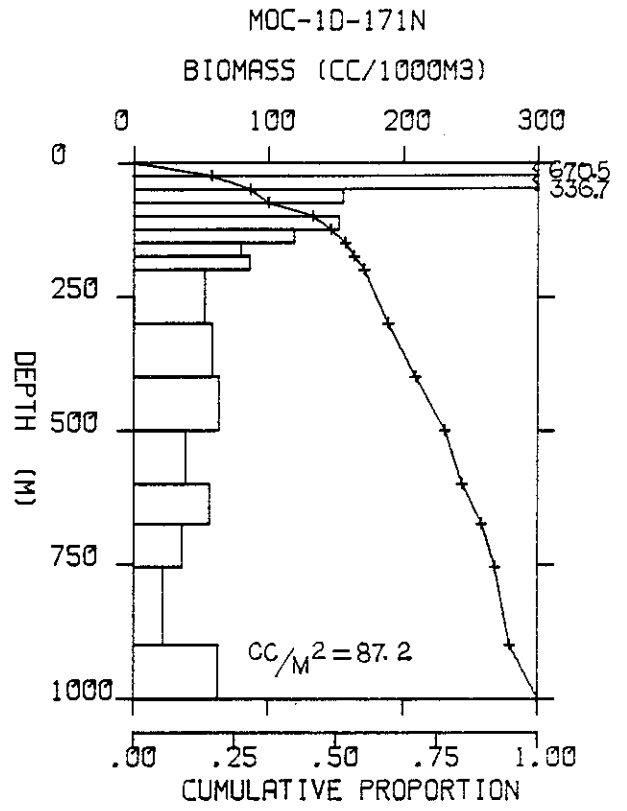
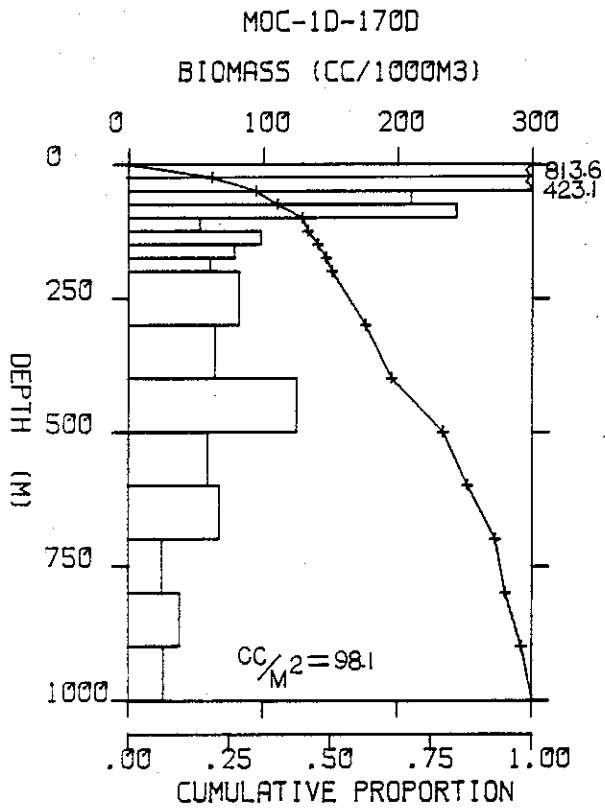


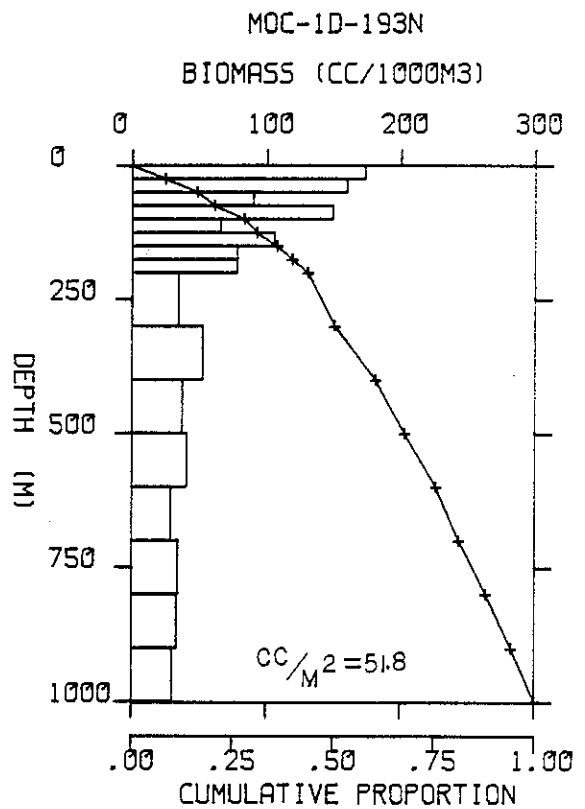
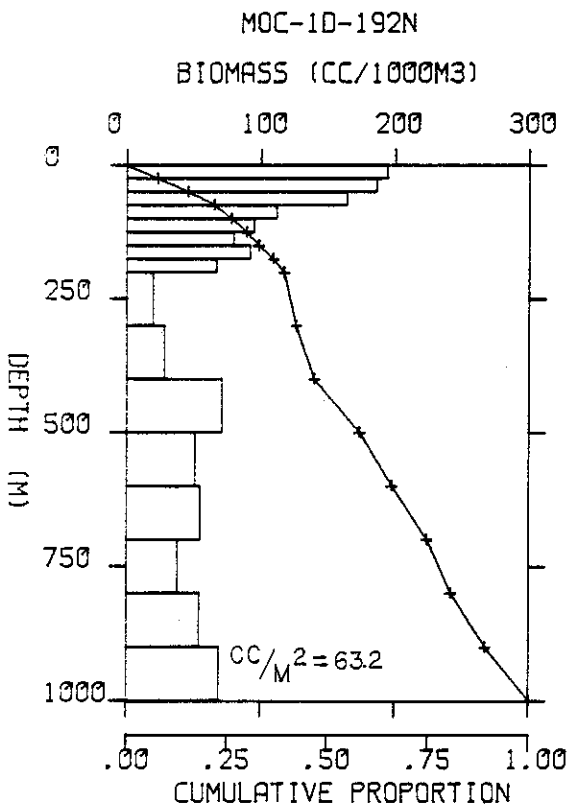
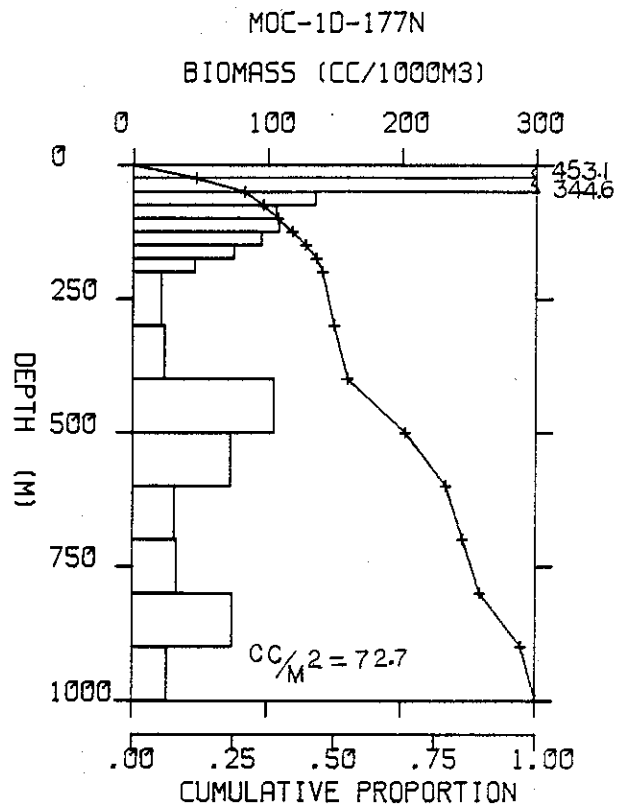
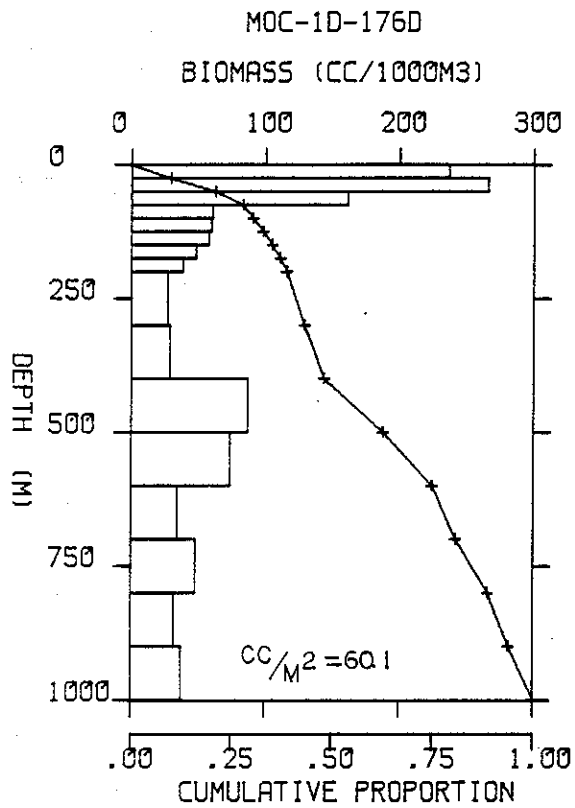


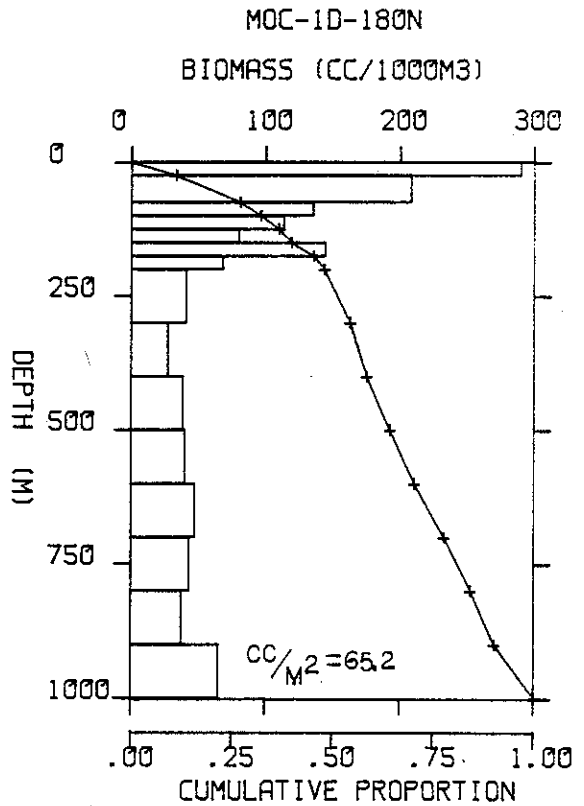
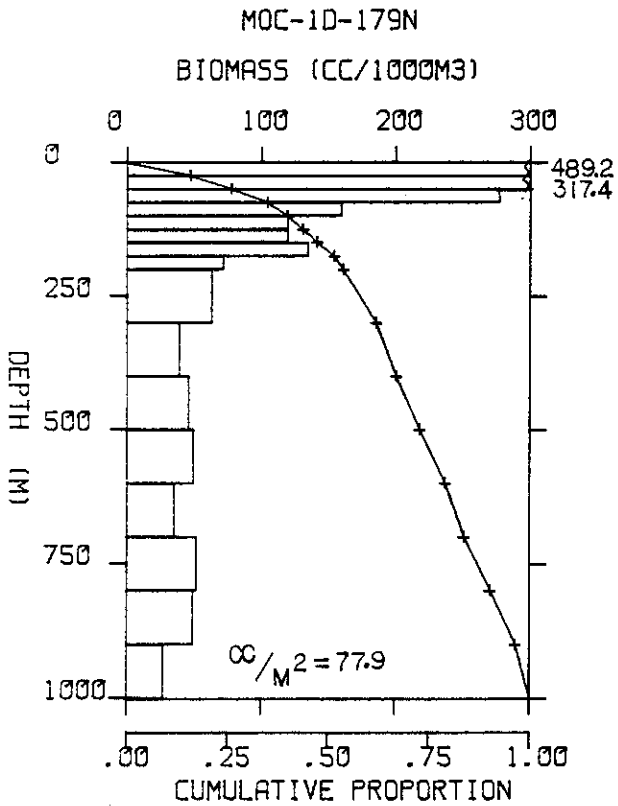
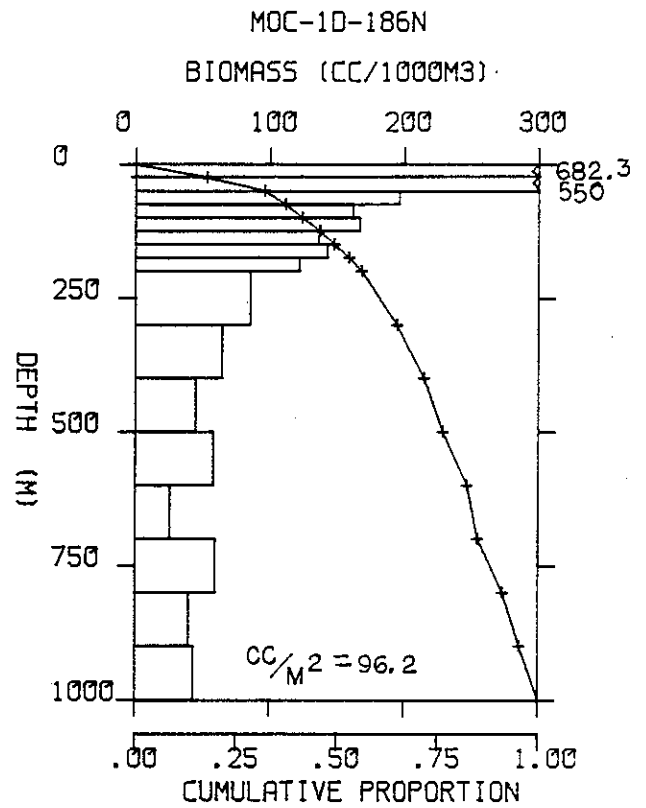
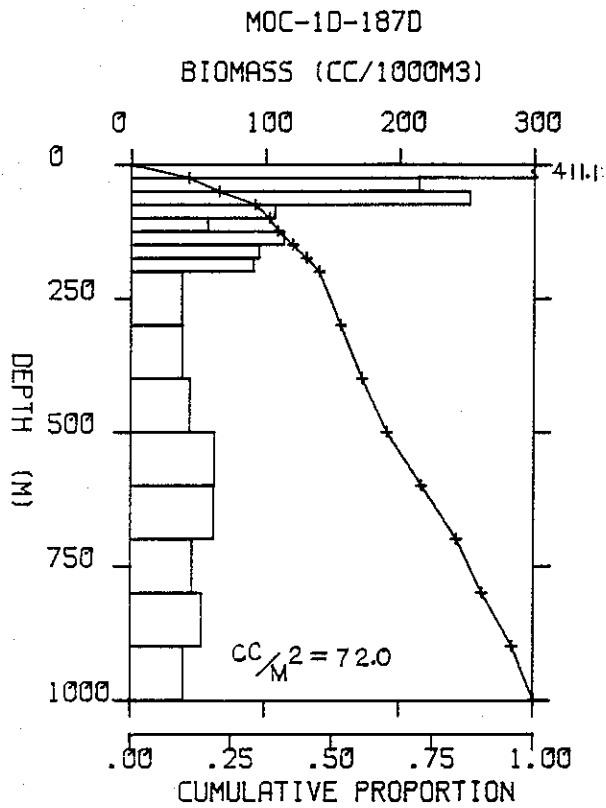


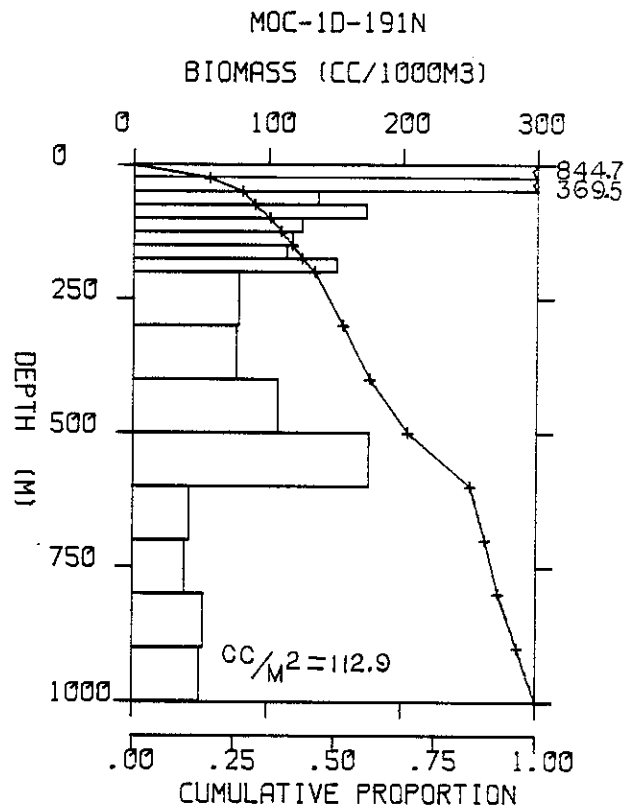
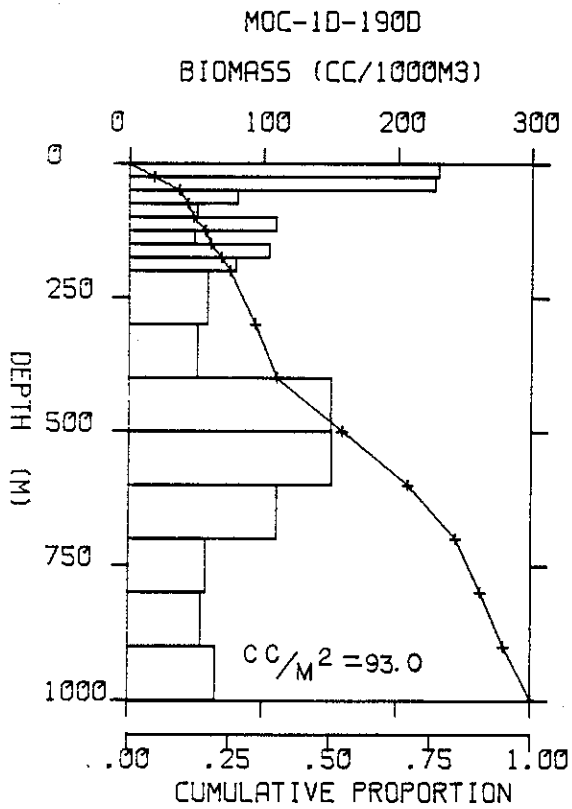
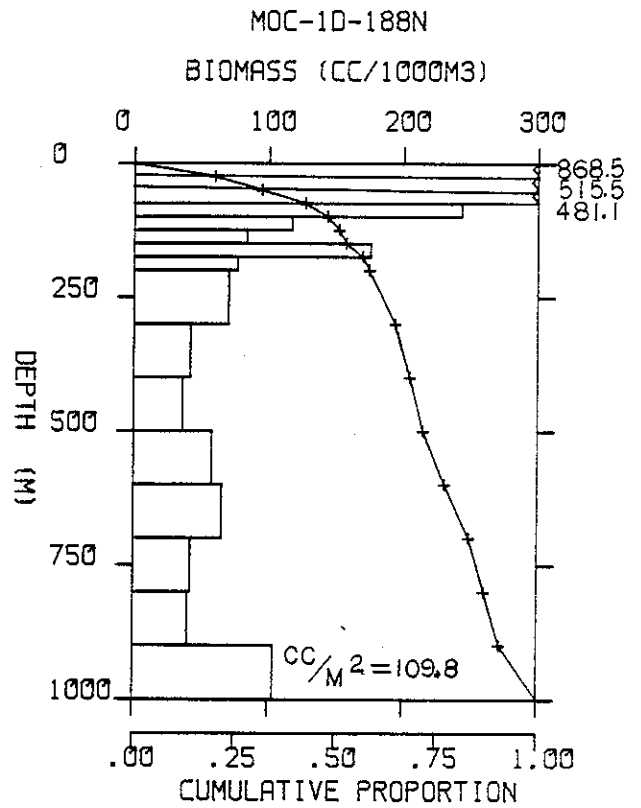
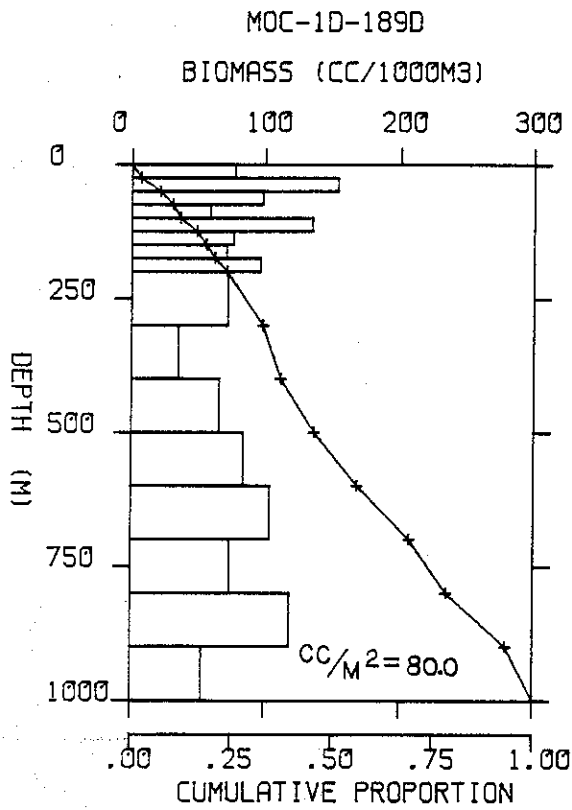


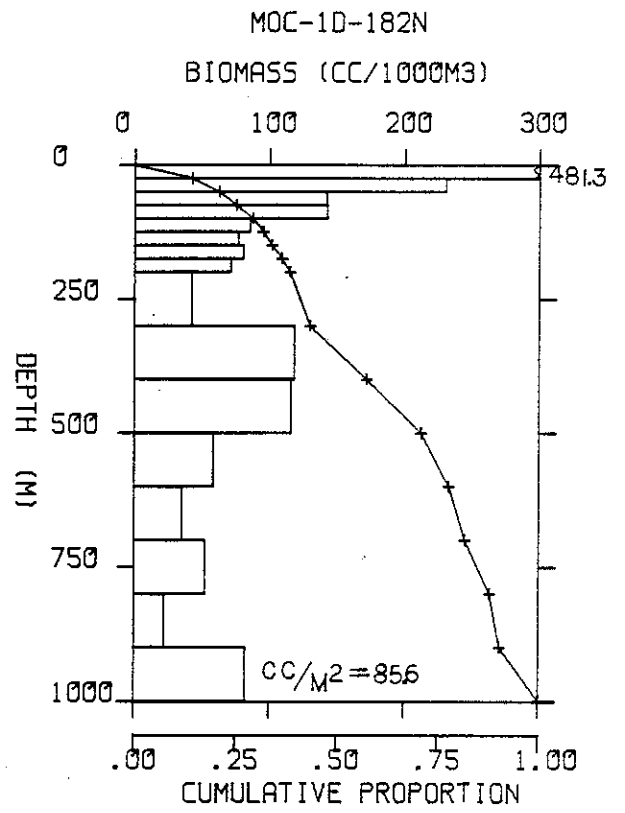
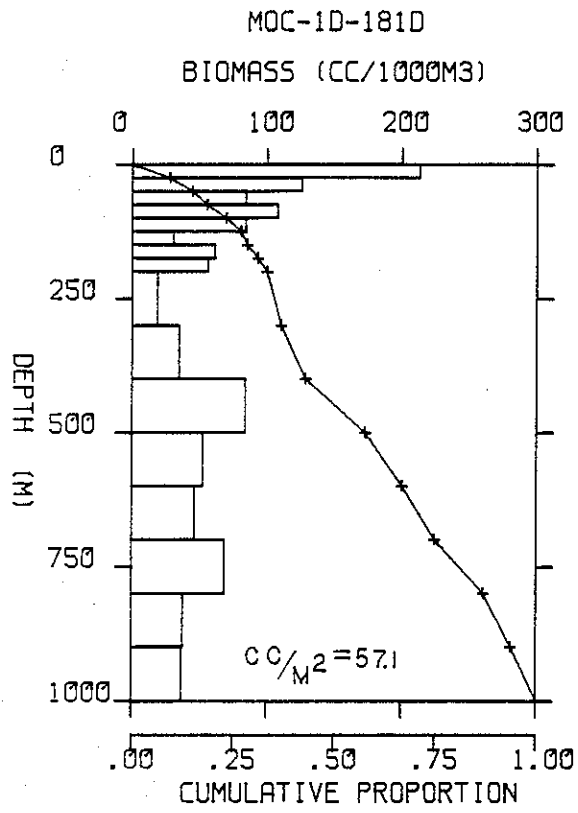


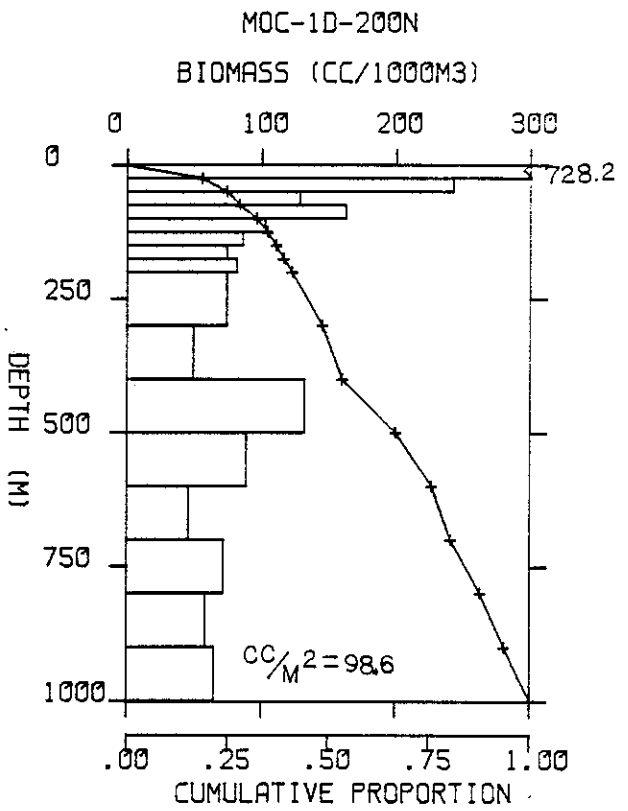
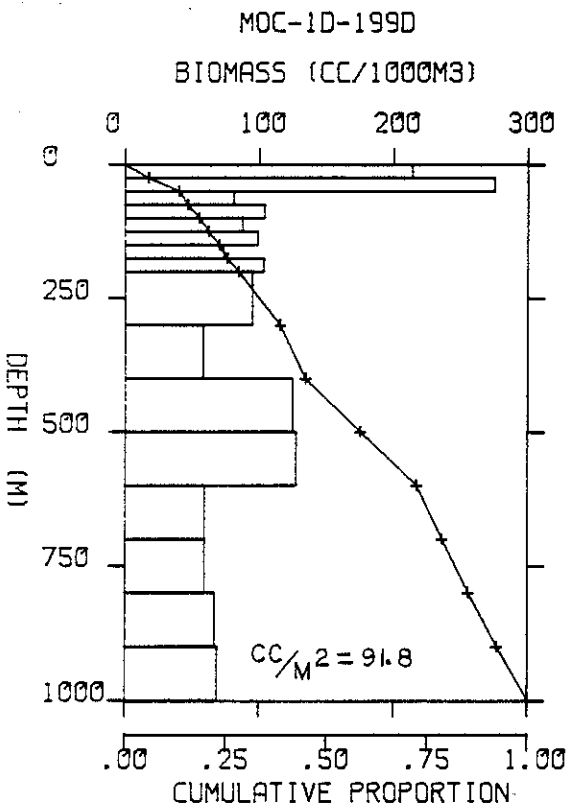
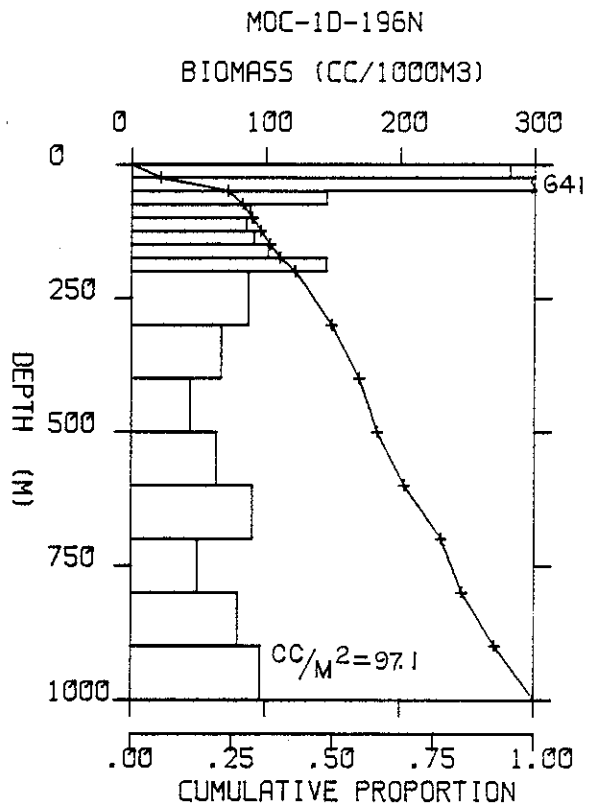
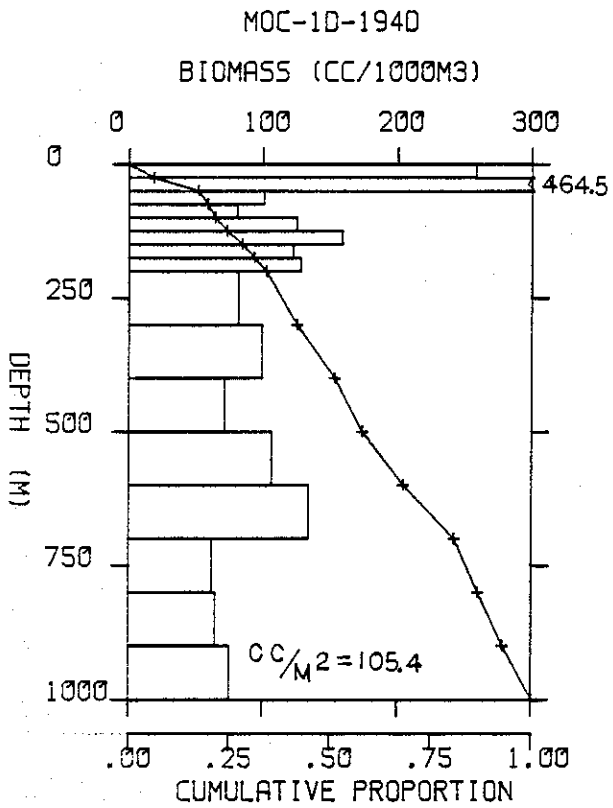


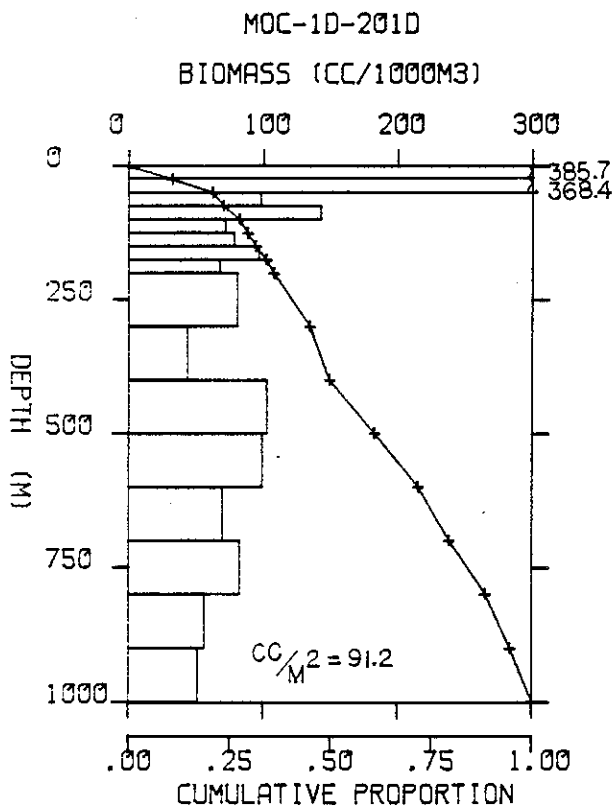
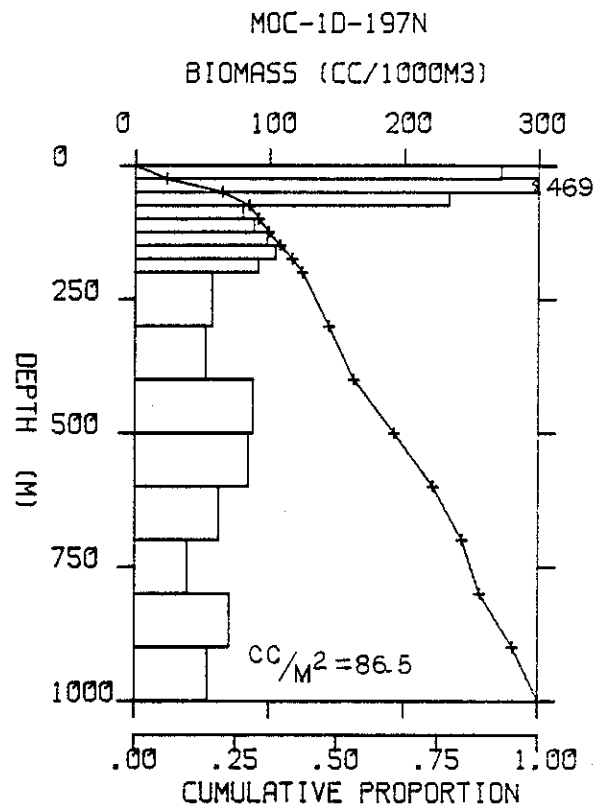
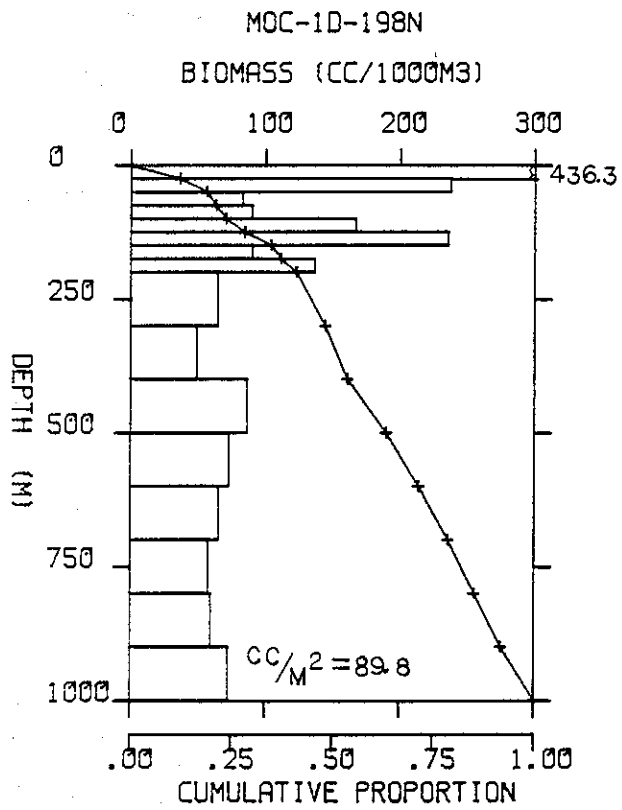


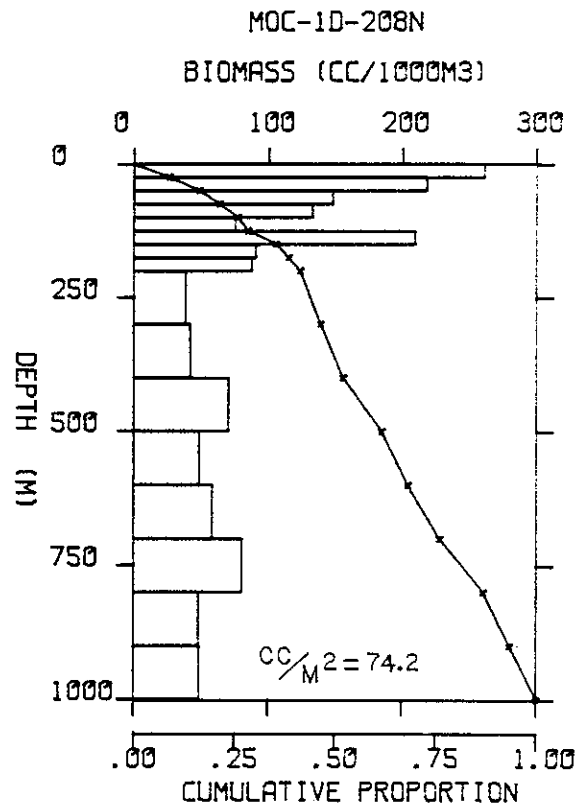
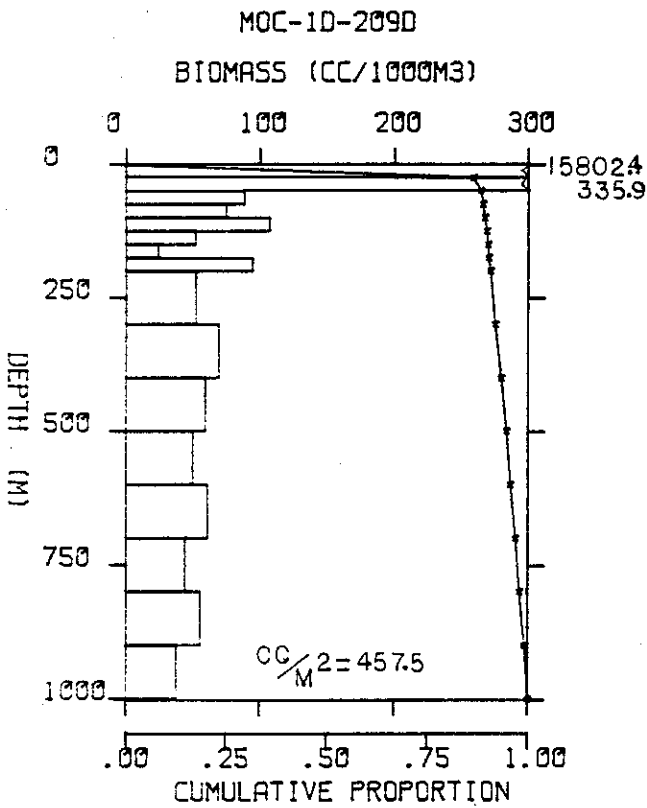
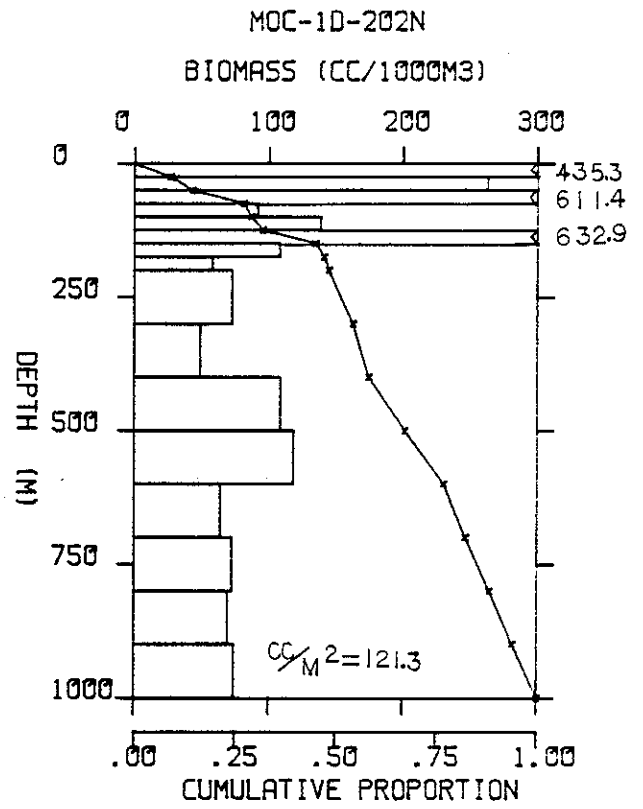
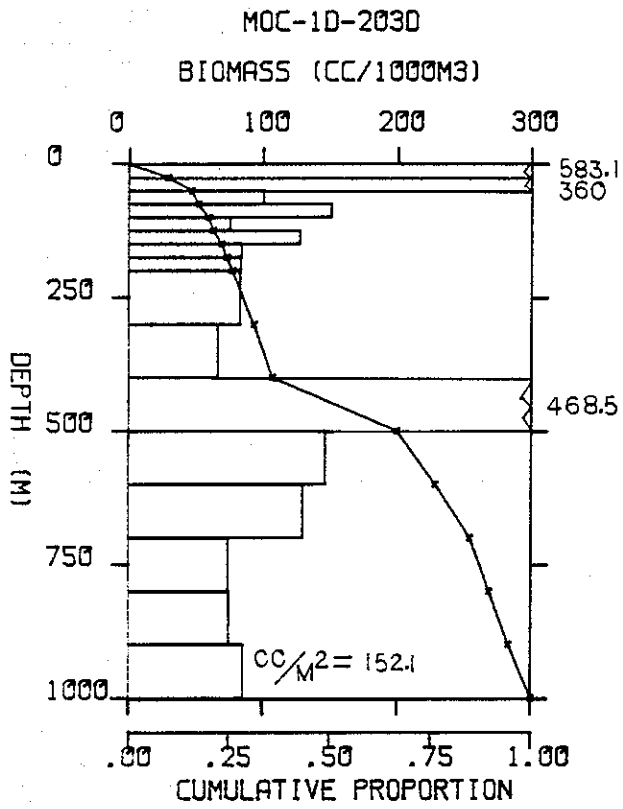


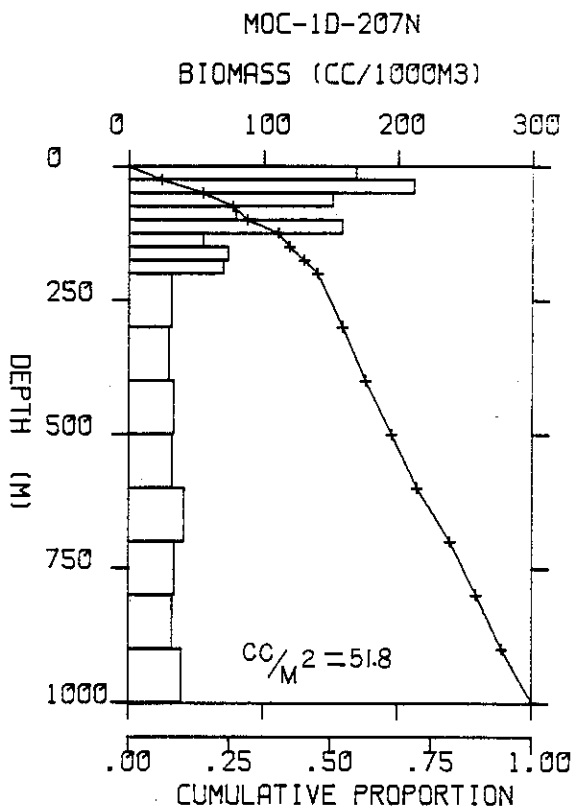
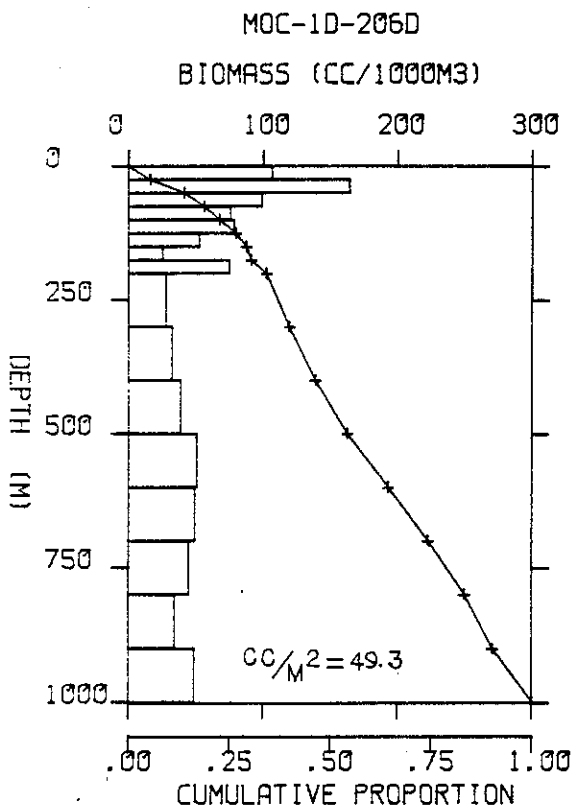
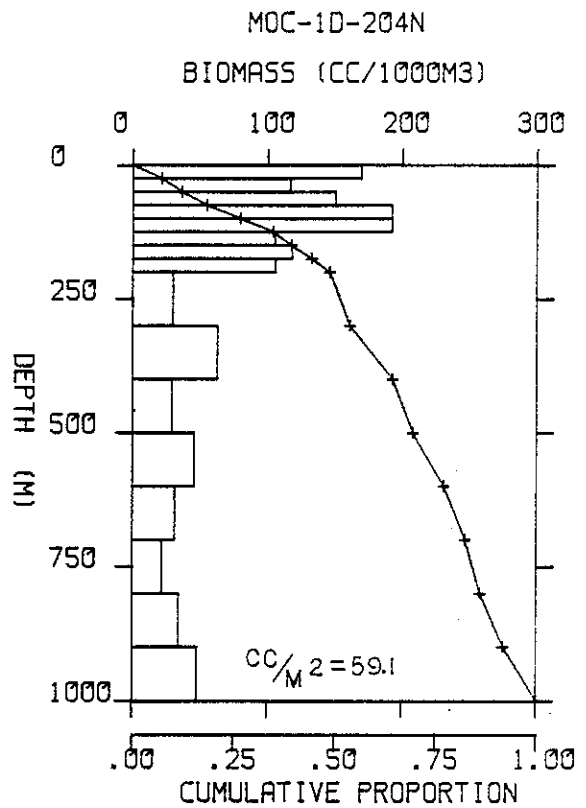
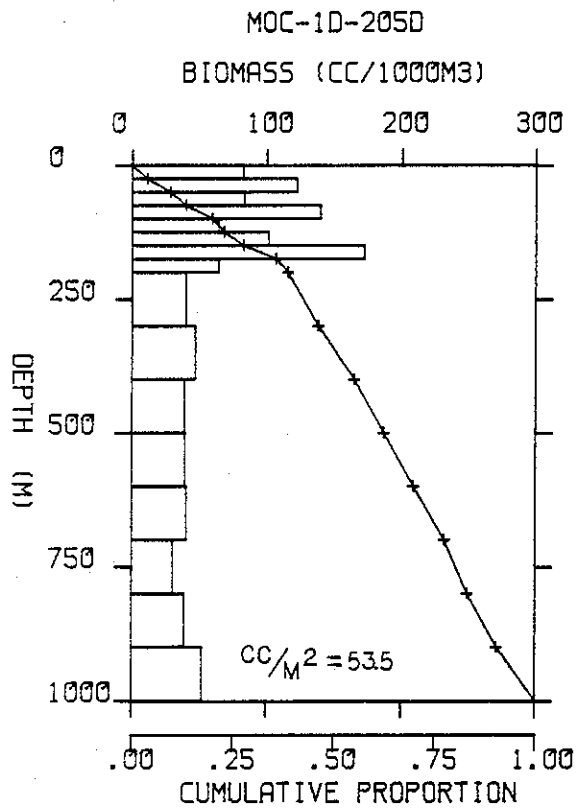






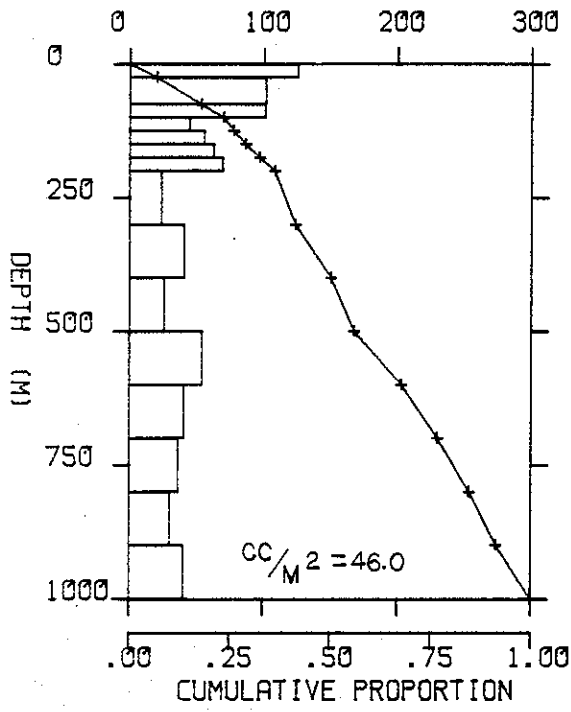


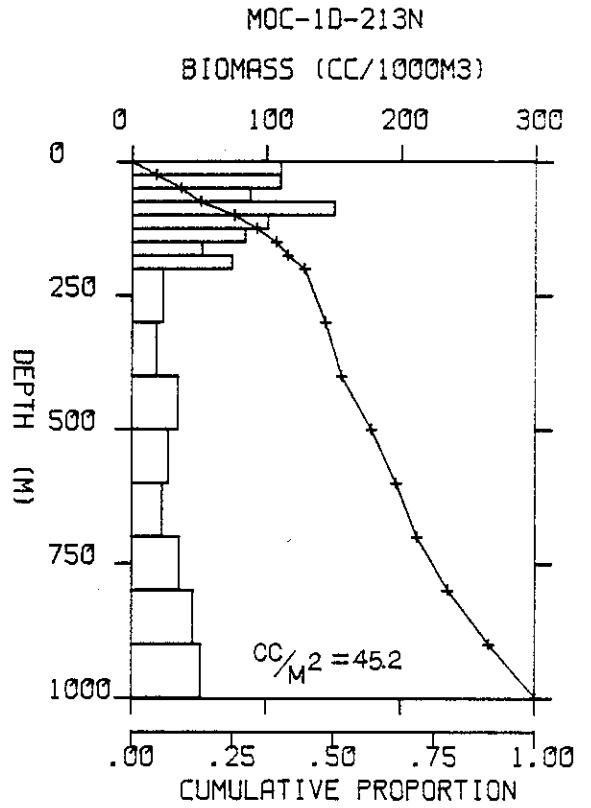
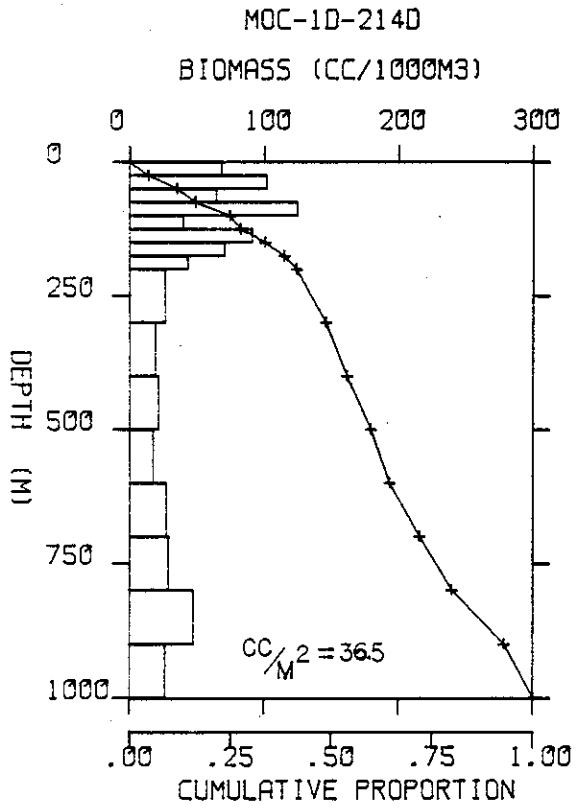
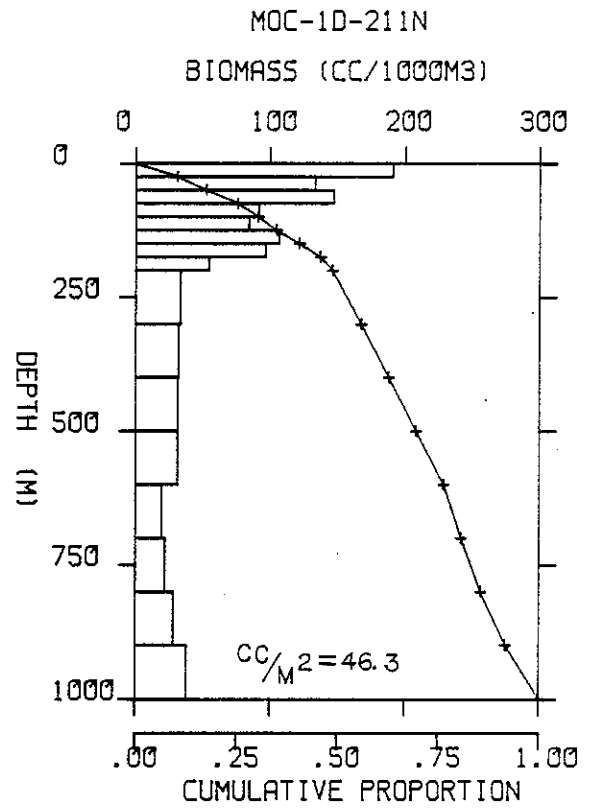
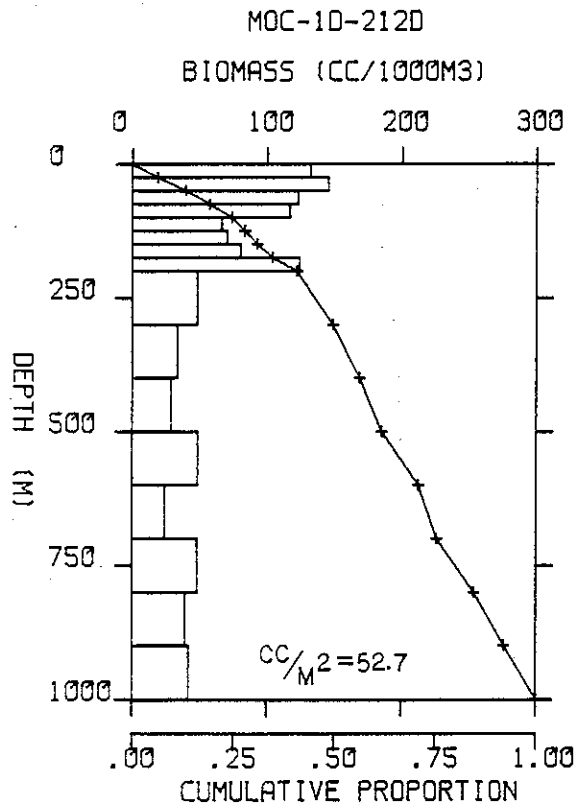


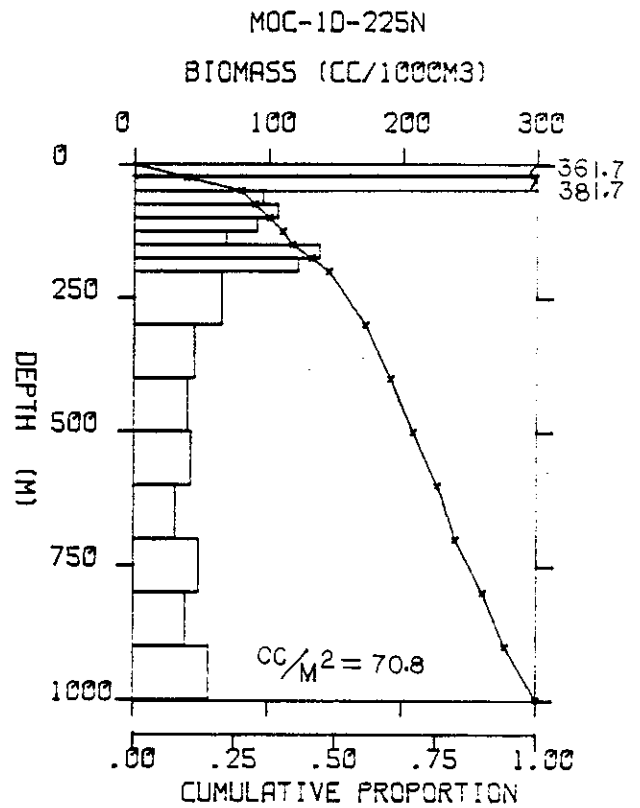
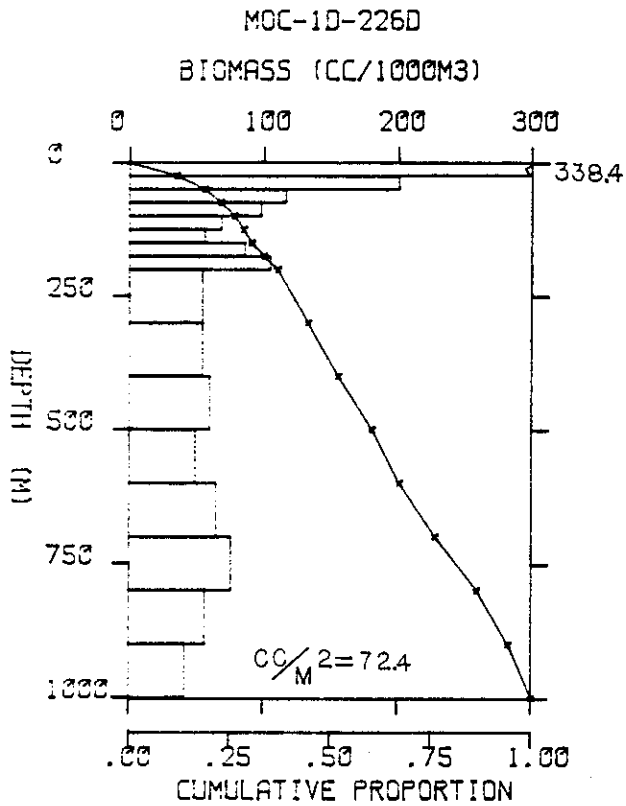
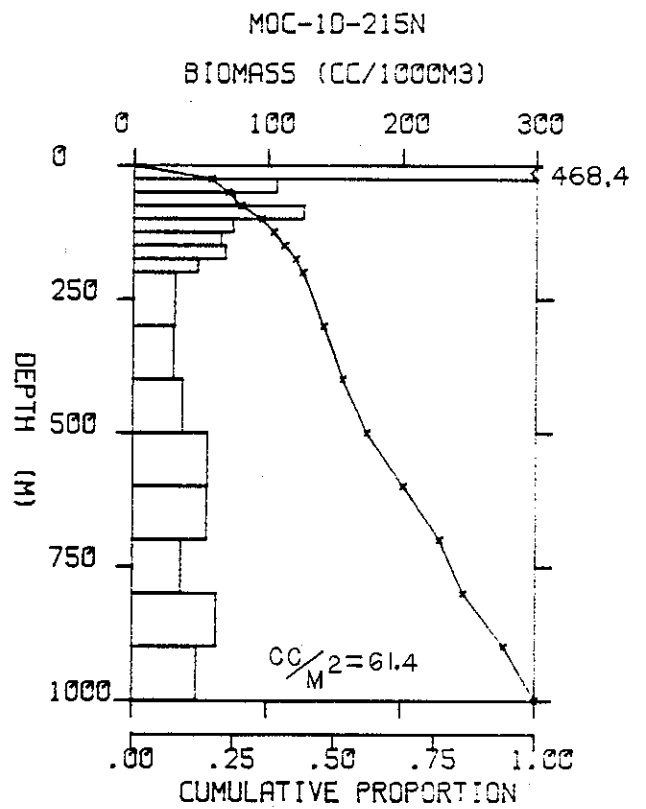
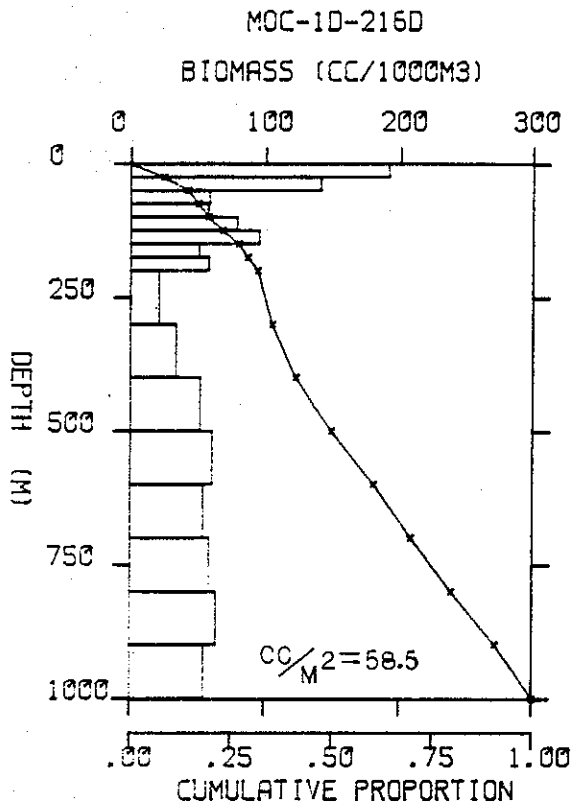


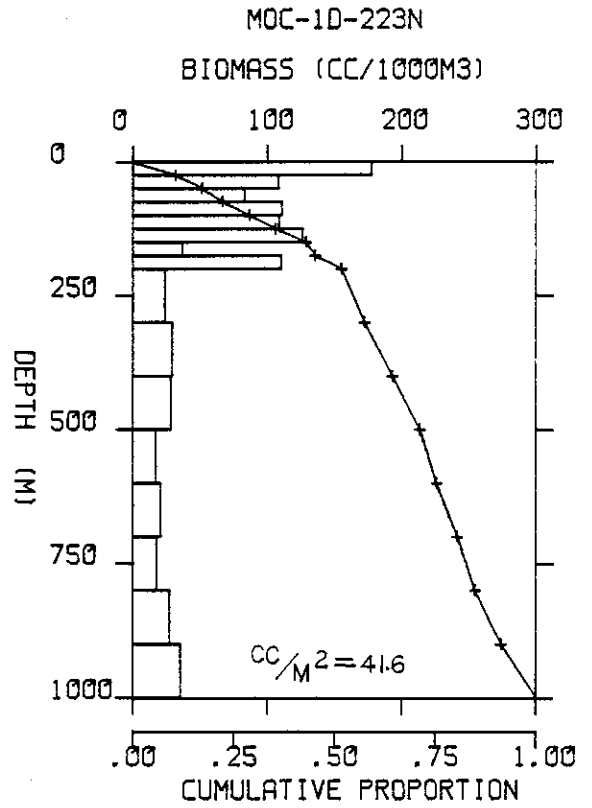
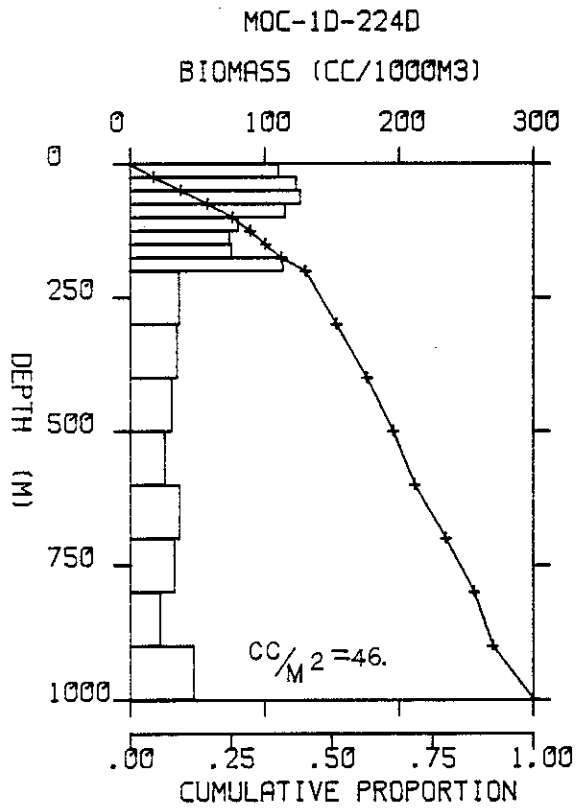
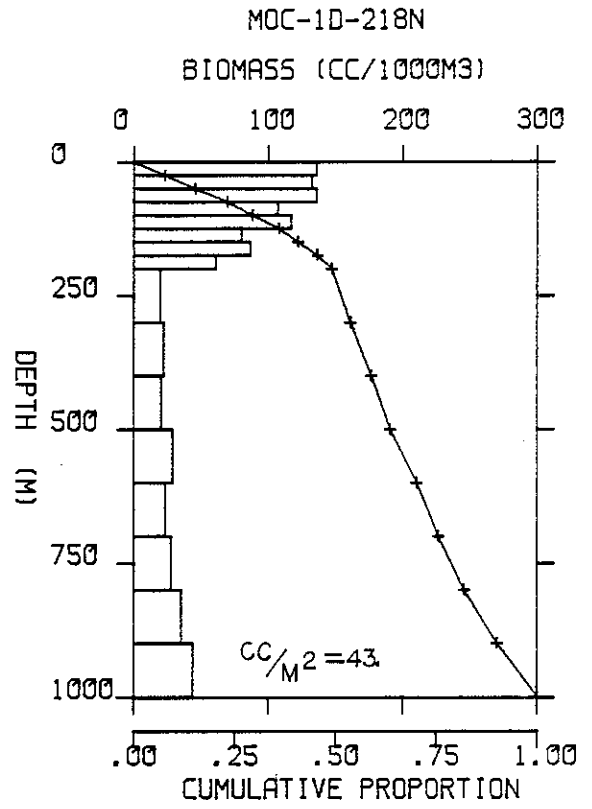
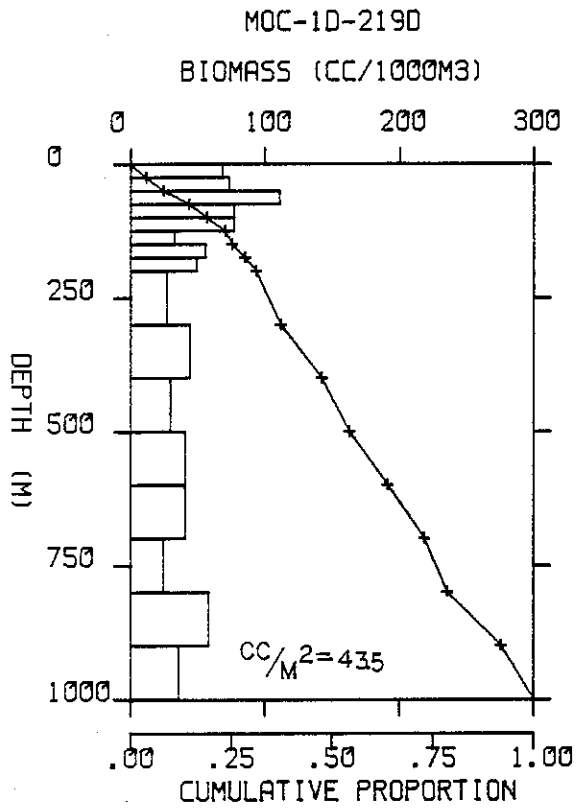
MOC-1D-210N

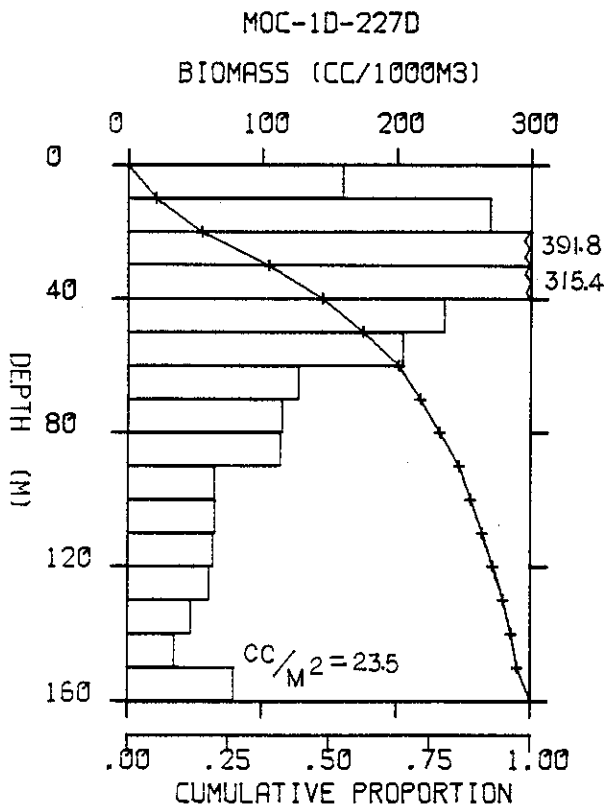
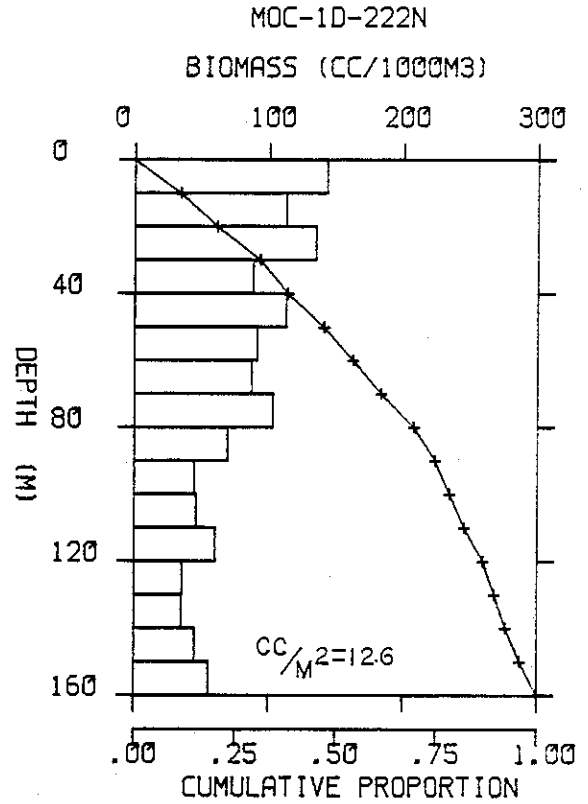
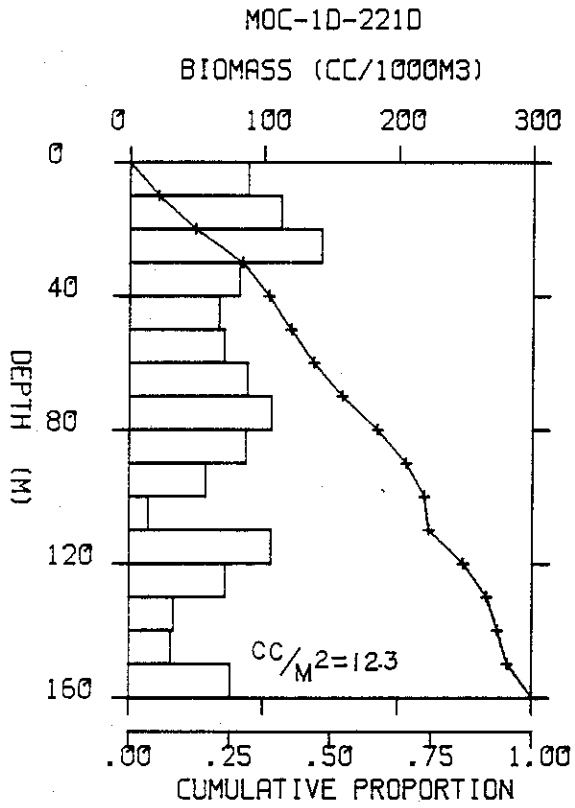
BIOMASS (CC/1000M3)











NET#	DEPTHI	MIDD	MEANT	MINT	MAXT
7	100	50	12.28	11.82	13.07
6	100	150	13.26	13.05	13.35
5	100	250	11.75	9.76	13.39
4	250	425	6.91	5.55	9.75
3	150	625	5.1	4.75	5.59
2	130	765	4.65	4.57	4.8
1	170	915	4.42	4.32	4.55

MOCNESS-1-155

TEMPERATURE AND SALINITY DATA

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT
7	100	50	14.31	13.32	14.57
6	100	150	11.66	9.64	13.26
5	100	250	8.39	7.3	9.57
4	100	350	6.53	6	7.3
3	150	475	5.48	5.12	5.94
2	150	625	5	4.8	5.15
1	150	775	4.63	4.5	4.82

MOCNESS-1-156

TEMPERATURE AND SALINITY DATA

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT
8	100	50	11.89	10	13.57
7	100	150	8.61	7.51	9.96
6	100	250	6.83	6.07	7.51
5	100	350	5.53	5.07	6.09
4	150	475	4.83	4.57	5.12
3	150	625	4.52	4.4	4.62
2	150	775	4.35	4.26	4.41
1	150	925	4.27	4.27	4.27

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT
8	100	50	12.7	11.9	14.77
7	100	150	10.84	9.7	11.82
6	100	250	8.77	8.1	9.65
5	100	350	7.37	6.84	8.07
4	150	475	5.95	5.37	6.84
3	150	625	5.03	4.76	5.34
2	150	775	4.62	4.55	4.76
1	150	925	4.45	4.37	4.57

MOCNESS-1-158

TEMPERATURE AND SALINITY DATA

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT
8	100	50	12.53	11.7	13.7
7	100	150	11.59	10	12.89
6	100	250	8.81	7.9	9.96
5	100	350	6.87	6.09	7.9
4	150	475	5.45	4.84	6.07
3	150	625	4.66	4.5	4.84
2	150	775	4.37	4.25	4.57
1	150	925	4.19	4.12	4.26

MOCNESS-1-159

TEMPERATURE AND SALINITY DATA

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT
8	100	50	12.05	9.91	12.82
7	100	150	11.56	10.07	12.6
6	100	250	8.69	7.55	10.05
5	100	350	6.35	5.69	7.55
4	150	475	5.21	4.8	5.72
3	150	625	4.57	4.4	4.87
2	150	775	4.34	4.26	4.41
1	150	925	4.2	4.12	4.3

NET#	DEPTH I	MIDD	MEANT	MINT	MAXT
8	75	37.5	17.54	15	17.64
7	125	137.5	17.65	17.61	17.67
6	100	250	17.6	16.89	17.67
5	100	350	15.05	13.69	16.85
4	150	475	11.57	9.39	13.71
3	150	625	7.6	6.22	9.32
2	150	775	5.79	5.15	6.25
1	150	925	4.94	4.87	5.15

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	11.38	10.14	11.65	34.94	34.67	35.08
17	25	37.5	11.4	11.2	11.56	35.15	35.06	35.21
16	25	62.5	11.66	11.51	12.01	35.28	35.21	35.43
15	25	87.5	12.12	12.01	12.23	35.47	35.42	35.5
14	25	112.5	12.2	12.14	12.23	35.5	35.48	35.5
13	25	137.5	12.12	12.09	12.14	35.51	35.47	35.55
12	25	162.5	11.93	11.73	12.14	35.58	35.54	35.59
11	25	187.5	11.5	11.15	11.73	35.56	35.51	35.58
5	100	250	9.5	8.39	11.31	35.37	35.26	35.55
4	100	350	7.57	6.59	8.39	35.22	35.15	35.28
3	120	460	6.21	5.46	6.59	35.16	35.11	35.18
2	330	685	4.79	4.44	5.5	35.13	35.11	35.15
1	150	925	4.32	4.22	4.44	35.11	35.08	35.12

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	15.66	15.53	15.71	36.26	36.25	36.27
17	25	37.5	15.65	15.63	15.68	36.3	36.24	36.85
16	25	62.5	15.64	15.61	15.66	36.26	36.23	36.26
15	25	87.5	15.63	15.61	15.65	36.26	36.24	36.3
14	25	112.5	15.63	15.61	15.65	36.26	36.24	36.28
13	25	137.5	15.64	15.61	15.66	36.26	36.23	36.37
12	25	162.5	15.63	15.61	15.65	36.26	36.24	36.3
11	25	187.5	15.62	15.6	15.66	36.25	36.23	36.33
8	100	250	15.65	15.61	15.71	36.26	36.23	36.32
7	100	350	15.42	15.13	15.63	36.2	36.1	36.27
6	100	450	14.67	12.11	15.14	36.04	35.64	36.14
5	100	550	10.49	9.54	12.06	35.39	35.28	35.59
4	100	650	8.79	7.48	8.53	35.22	35.11	35.29
3	100	750	6.83	5.79	7.47	35.1	35.04	35.13
2	100	850	5.39	5.1	5.82	35.04	35.02	35.06
1	100	950	4.93	4.67	5.1	35.03	35	35.04

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
17	50	25	15.63	15.58	15.74	36.25	36.24	36.26
16	25	62.5	15.62	15.41	15.72	36.25	36.23	36.26
15	25	87.5	15.6	15.58	15.61	36.25	36.23	36.25
14	25	112.5	15.6	15.56	15.61	36.25	36.23	36.25
13	25	137.5	15.59	15.56	15.66	36.24	36.2	36.25
12	25	162.5	15.63	15.58	15.66	36.25	36.23	36.26
11	25	187.5	15.67	15.65	15.7	36.26	36.25	36.27
8	100	250	15.62	15.48	15.7	36.25	36.21	36.29
7	100	350	15.23	15.11	15.48	36.14	36.09	36.21
6	100	450	13.44	11.73	15.13	35.8	35.3	36.12
5	100	550	10.25	9.23	11.73	35.36	35.25	35.55
4	100	650	7.75	6.34	9.2	35.16	35.07	35.31
3	100	750	6.01	5.75	6.32	35.07	35.04	35.1
2	200	900	5.26	4.85	5.75	35.03	34.23	35.05
1	200	1100	4.57	4.32	4.85	35.02	34.8	35.05

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	14.15	13.87	14.63	36.26	36.25	36.27
17	50	50	14.94	14.63	15.42	36.26	36.25	36.27
16	25	87.5	15.58	15.42	15.7	36.25	36.24	36.27
15	25	112.5	15.63	15.58	15.71	36.25	36.23	36.27
14	25	137.5	15.42	15.28	15.58	36.21	36.19	36.25
13	18	159	15.2	15.06	15.31	36.13	36.1	36.15
12	7	171.5	15.11	15.03	15.16	36.12	36.09	36.13
11	25	187.5	15.03	14.98	15.08	36.1	36.08	36.12
8	100	250	14.9	14.75	15.06	36.06	35.89	36.48
7	100	350	12.8	11.78	14.76	35.7	35.52	36.03
6	100	450	10.62	9.06	11.78	35.41	35.22	35.55
5	100	550	8.07	7.16	9.05	35.16	35.08	35.26
4	100	650	6.47	5.74	7.14	35.08	35.03	35.13
3	100	750	5.47	4.95	5.74	35.03	35	35.07
2	100	850	4.85	4.67	4.96	35.01	34.98	35.05
1	100	950	4.63	4.52	4.68	35	34.97	35.02

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	20	10	15.32	15.31	15.32	36.16	36.15	36.16
17	20	30	15.31	15.29	15.32	36.16	36.16	36.16
16	30	55	15.26	15.23	15.31	36.15	36.14	36.18
15	30	85	15.24	15.23	15.25	36.14	36.13	36.15
14	25	112.5	15.23	15.22	15.24	36.14	36.13	36.17
13	25	137.5	15.24	15.23	15.25	36.14	36.14	36.15
12	25	162.5	15.23	15.23	15.24	36.14	36.13	36.15
11	25	187.5	15.22	15.21	15.23	36.13	36.12	36.14
8	100	250	15.01	14.81	15.22	36.08	36.03	36.14
7	100	350	13.77	12.06	14.82	35.83	35.59	36.05
6	100	450	10.64	9	12.04	35.4	35.23	35.57
5	100	550	7.98	7.06	8.92	35.15	35.08	35.23
4	100	650	6.3	5.72	7.04	35.08	35.04	35.12
3	100	750	5.5	4.99	5.67	35.03	35.01	35.05
2	100	850	4.8	4.64	5.01	35.01	34.99	35.05
1	100	950	4.59	4.53	4.64	35	34.98	35.02

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	12.29	11.64	13.06	34.81	34.37	35.2
17	25	37.5	13.26	13.13	13.36	35.4	35.26	35.47
16	25	62.5	13.6	13.36	13.97	35.58	35.45	35.77
15	25	87.5	14.05	13.95	14.33	35.78	35.69	35.88
14	25	112.5	14.35	14.28	14.53	35.9	35.85	35.96
13	25	137.5	14.41	14.28	14.56	35.93	35.87	35.99
12	25	162.5	14.47	14.44	14.56	35.94	35.9	35.95
11	25	187.5	14.62	14.6	14.65	35.99	35.95	36
8	100	250	12.52	11.43	14.45	35.6	35.1	35.96
7	100	350	10	8.78	11.39	35.32	35.19	35.5
6	100	450	7.73	6.61	8.76	35.13	35.07	35.25
5	100	550	5.81	5.28	6.47	35.05	35	35.11
4	100	650	5.06	4.82	5.36	35.03	34.99	35.06
3	100	750	4.76	4.61	4.84	35.02	34.99	35.05
2	100	850	4.53	4.44	4.65	35.01	34.97	35.03
1	100	950	4.41	4.33	4.44	35.01	34.98	35.02

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
17	50	25	12.87	11.72	13.51	35.22	34.51	35.59
16	25	62.5	12.95	12.19	13.58	35.48	35.14	35.74
15	25	87.5	13.66	13.17	13.88	35.69	35.5	35.86
14	25	112.5	13.88	13.85	13.9	35.77	35.73	35.78
13	25	137.5	13.96	13.91	14.01	35.79	35.75	35.8
12	25	162.5	14.09	14.03	14.11	35.83	35.79	35.84
11	25	187.5	14.19	14.11	14.28	35.85	35.83	35.89
8	100	250	12.74	11.64	14.28	35.64	35.49	35.98
7	100	350	10.26	9.09	11.63	35.35	35.21	35.6
6	100	450	8.2	7.24	9.06	35.16	35.09	35.23
5	100	550	6.47	6	7.24	35.07	35.03	35.13
4	100	650	5.54	5.24	6	35.04	35	35.09
3	100	750	5	4.82	5.25	35.02	34.98	35.04
2	100	850	4.76	4.61	4.87	35.02	34.99	35.06
1	100	950	4.54	4.39	4.68	35.01	34.98	35.05

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	13.52	13.31	13.69	35.53	35.47	35.58
17	25	37.5	13.79	13.69	13.88	35.64	35.59	35.68
16	25	62.5	14.01	13.88	14.11	35.73	35.66	35.78
15	25	87.5	14.36	14.01	14.58	35.87	35.73	35.95
14	25	112.5	14.29	14.13	14.41	35.87	35.78	35.92
13	25	137.5	14.43	14.33	14.56	35.92	35.87	35.97
12	25	162.5	14.49	14.42	14.56	35.95	35.91	35.97
11	25	187.5	14.05	13.92	14.44	35.83	35.78	35.94
8	100	250	12.79	11.65	13.94	35.64	35.58	35.81
7	100	350	9.95	8.29	11.63	35.31	35.15	35.49
6	100	450	7.08	5.99	8.26	35.1	35.03	35.17
5	100	550	5.48	5.2	5.99	35.03	35	35.07
4	100	650	5.04	4.77	5.2	35.01	34.99	35.03
3	100	750	4.6	4.45	4.77	35	34.98	35.01
2	100	850	4.42	4.27	4.45	34.99	34.97	35
1	100	950	4.28	4.22	4.31	34.99	34.96	35.01

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	14.47	14.45	14.5	35.92	35.9	35.93
17	25	37.5	14.46	14.43	14.5	35.91	35.88	35.92
16	25	62.5	14.43	14.4	14.45	35.89	35.87	35.9
15	25	87.5	14.41	14.38	14.43	35.89	35.87	35.89
14	25	112.5	14.66	14.43	14.88	35.96	35.86	35.05
13	25	137.5	14.71	14.63	14.83	36.01	35.98	36.05
12	25	162.5	14.6	14.36	14.67	35.98	35.9	36
11	25	187.5	14.12	14.03	14.35	35.84	35.8	35.9
8	100	250	13.2	12.45	13.94	35.68	35.61	35.79
7	100	350	11	9.36	12.44	35.43	35.23	35.62
6	100	450	8.17	7.16	9.31	35.15	35.08	35.25
5	100	550	6.3	5.75	7.13	35.06	35.01	35.11
4	75	637.5	5.54	5.28	5.74	35.03	35	35.06
3	80	715	5.13	4.97	5.29	35.02	35	35.04
2	145	827.5	4.76	4.61	4.97	35.01	34.99	35.02
1	100	950	4.41	4.36	4.62	34.99	34.97	35.02

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	15.86	15.73	15.91	36.29	36.26	36.3
17	25	37.5	15.73	15.71	15.74	36.28	36.27	36.29
16	25	62.5	15.72	15.71	15.73	36.28	36.27	36.29
15	25	87.5	15.71	15.7	15.73	36.28	36.26	36.29
14	25	112.5	15.72	15.71	15.74	36.28	36.27	36.29
13	25	137.5	15.74	15.73	15.74	36.29	36.26	36.3
12	25	162.5	15.74	15.73	15.75	36.29	36.28	36.3
11	25	187.5	15.75	15.75	15.75	36.29	36.28	36.3
8	100	250	15.74	15.71	15.76	36.28	36.26	36.3
7	100	350	15.71	15.31	15.78	36.27	36.12	36.34
6	100	450	14.01	12.08	15.31	35.92	35.59	36.16
5	100	550	10.64	9.25	12.04	35.42	35.23	35.6
4	100	650	7.67	7.26	9.23	35.14	35.08	35.36
3	100	750	6.25	5.84	7.25	35.07	35.03	35.15
2	100	850	5.52	5.18	5.82	35.04	35.01	35.06
1	100	950	4.78	4.7	5.14	35.02	34.99	35.06

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	15.8	15.78	15.82	36.29	36.27	36.3
17	25	37.5	15.76	15.75	15.8	36.3	36.27	36.31
16	25	62.5	15.74	15.73	15.75	36.3	36.28	36.3
15	25	87.5	15.75	15.73	15.75	36.3	36.28	36.37
14	25	112.5	15.75	15.73	15.75	36.3	36.28	36.3
13	25	137.5	15.75	15.73	15.75	36.3	36.28	36.3
12	25	162.5	15.74	15.73	15.75	36.29	36.26	36.29
11	25	187.5	15.74	15.73	15.75	36.29	36.28	36.3
8	100	250	15.74	15.73	15.75	36.28	36.26	36.29
7	100	350	15.53	14.82	15.73	36.22	36.02	36.29
6	100	450	13.01	11	14.82	35.76	35.46	36.03
5	100	550	9.69	8.88	10.96	35.3	35.21	35.46
4	100	650	7.65	6.56	8.88	35.14	35.06	35.24
3	100	750	5.92	5.44	6.54	35.05	35.02	35.09
2	100	850	5.19	5.01	5.44	35.03	35.01	35.06
1	100	950	4.85	4.75	5.01	35.01	34.98	35.04
9.76	4.64	15.83						

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT
15	100	50	10.6	8.67	12.91
14	25	112.5	12.36	12.3	12.41
13	25	137.5	12.54	12.35	12.64
12	20	160	12.37	12.19	12.53
11	30	185	11.87	11.38	12.24
8	83	241	10.06	9.07	11.63
7	117	341	8.26	7.05	9.08
6	100	450	6.37	5.64	7.05
5	100	550	5.28	5.1	5.62
4	100	650	5.04	4.87	5.14
3	100	750	4.69	4.51	4.87
2	100	850	4.5	4.42	4.54
1	100	950	4.38	4.3	4.42

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT
16	75	37.5	12.46	12.05	12.67
15	25	87.5	12.55	12.28	12.78
14	25	112.5	12.54	12.49	12.58
13	25	137.5	12.37	12.24	12.54
12	25	162.5	12.05	11.67	12.29
11	25	187.5	11.12	10.76	11.67
8	100	250	9.91	8.91	10.86
7	100	350	7.69	6.61	8.89
6	100	450	6.06	5.69	6.59
5	100	550	5.42	5.2	5.68
4	100	650	5	4.78	5.22
3	100	750	4.69	4.57	4.77
2	100	850	4.53	4.44	4.57
1	100	950	4.36	4.3	4.44

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	18.56	18.48	18.98	35.97	35.96	35.98
17	25	37.5	18.37	18.36	18.48	35.99	35.96	36
16	25	62.5	17.06	15.51	18.36	35.89	35.62	35.99
15	25	87.5	15.46	15.17	15.76	35.93	35.88	35.97
14	25	112.5	14.39	13.86	15.15	35.76	35.68	35.88
13	25	137.5	13.71	13.48	15.85	35.71	35.69	35.73
12	25	162.5	13.33	13.17	13.48	35.71	35.68	35.73
11	25	187.5	12.72	12.51	13.17	35.63	35.6	35.7
8	100	250	10.9	9.5	12.49	35.4	35.22	35.61
7	100	350	8.34	7.48	9.5	35.14	35.08	35.25
6	100	450	6.69	6.07	7.48	35.05	35.02	35.09
5	100	550	5.65	5.32	6.05	35.03	34.98	35.04
4	100	650	5.1	4.9	5.32	35.02	34.99	35.03
3	100	750	4.7	4.55	4.9	34.99	34.96	35.01
2	100	850	4.55	4.49	4.57	34.99	34.97	35
1	100	950	4.43	4.36	4.5	34.99	34.96	35

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	18.14	18.04	18.16	35.74	35.73	35.75
17	25	37.5	17.47	15.58	18.31	35.78	35.65	35.99
16	25	62.5	14.37	13.73	15.53	35.49	35.33	35.6
15	25	87.5	14	13.91	14.17	35.68	35.59	35.71
14	25	112.5	13.74	13.53	13.98	35.69	35.65	35.73
13	25	137.5	13.49	13.36	13.54	35.72	35.68	35.73
12	25	162.5	13.02	12.59	13.33	35.68	35.61	35.72
11	25	187.5	12.1	11.9	12.59	35.54	34.86	35.61
8	100	250	10.17	9.05	11.9	35.32	35.18	35.53
7	100	350	7.95	7.05	9.04	35.11	35.05	35.19
6	100	450	6.38	5.93	7.03	35.05	35.02	35.07
5	100	550	5.57	5.27	5.93	35.03	35.01	35.04
4	100	650	5.02	4.77	5.27	35.01	34.99	35.03
3	100	750	4.77	4.61	4.82	35.01	34.98	35.02
2	100	850	4.4	4.34	4.6	36.97	34.95	35
1	100	950	4.29	4.25	4.35	34.97	34.94	34.99

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	18	16.53	18.65	35.87	35.69	36.16
17	25	37.5	15.99	15.7	16.51	36.22	36.13	36.26
16	25	62.5	15.68	15.68	15.7	36.26	36.24	26.27
15	25	87.5	15.72	15.68	15.74	36.27	36.25	36.27
14	25	112.5	15.74	15.73	15.74	36.27	36.26	36.28
13	22	137.5	15.73	15.72	15.73	36.27	36.25	36.27
12	25	162.5	15.73	15.73	15.73	36.27	36.25	36.27
11	25	187.5	15.73	15.72	15.73	36.26	36.25	36.27
8	100	250	15.7	15.67	15.73	36.26	36.24	36.27
7	100	350	15.57	15.41	15.68	36.22	36.15	36.25
6	100	450	13.54	12.06	15.4	35.82	35.56	36.17
5	100	550	10.28	9.03	12.06	35.34	35.19	35.58
4	100	650	7.45	6.39	9	35.1	35.03	35.2
3	100	750	5.63	5.39	6.38	35.01	34.98	35.05
2	100	850	5.2	5.02	5.39	35	34.98	35.02
1	100	950	4.91	4.69	5.02	35.01	34.97	35.02

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
17	25	12.5	18.38	17.44	18.57	35.63	35.58	35.92
16	50	75	16.01	15.69	17.33	36.22	35.94	36.28
15	25	87.5	15.73	15.73	15.73	36.27	36.25	36.28
14	25	112.5	15.73	15.73	15.73	36.27	36.26	36.27
13	25	137.5	15.74	15.72	15.73	36.27	36.26	36.27
12	25	162.5	15.72	15.71	15.73	36.27	36.25	36.27
11	25	187.5	15.72	15.7	15.73	36.26	36.25	36.27
8	100	250	15.67	15.65	15.69	36.25	36.23	36.26
7	100	350	15.57	15.23	15.66	36.22	36.11	36.25
6	100	450	13.23	11.7	15.22	35.76	35.5	36.12
5	100	550	10.01	8.15	11.7	35.31	35.11	35.54
4	100	650	7	6.17	8.11	35.07	35.02	35.12
3	100	750	5.92	5.57	6.17	35.02	34.99	35.04
2	100	850	5.22	4.92	5.57	35.01	34.98	35.03
1	100	950	4.8	4.63	4.92	35	34.97	35.01

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	17.95	16.37	18.66	34.74	33.93	35.3
17	25	37.5	14.17	13.83	15.97	35.51	35.31	35.65
16	25	62.5	14.25	13.95	14.5	35.77	35.63	35.84
15	25	87.5	14.54	14.29	14.65	35.91	35.81	35.95
14	25	112.5	14.75	14.65	14.79	35.99	35.94	36
13	25	137.5	14.64	14.61	14.71	35.97	35.95	35.98
12	25	162.5	14.52	14.43	14.58	35.94	35.9	35.97
11	25	187.5	14.31	14.18	14.44	35.88	35.83	35.92
8	100	250	13.64	12.29	14.18	35.76	35.56	35.85
7	100	350	10.56	9.14	12.26	35.36	35.18	35.55
6	100	450	8.04	6.64	9.13	35.13	35.04	35.2
5	100	550	5.97	5.46	6.64	35.03	34.99	35.05
4	100	650	5.2	4.97	5.45	35	34.98	35.02
3	100	750	4.86	4.71	4.97	35	34.98	35.02
2	100	850	4.61	4.55	4.71	34.99	34.96	35
1	100	950	4.42	4.35	4.55	34.98	34.96	35

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	14.69	10.02	18.66	33.5	33.05	33.93
17	25	37.5	11	8.87	12.92	34.49	33.67	35.18
16	25	62.5	12.98	11.83	13.65	35.36	34.99	35.63
15	25	87.5	13.88	13.63	14.29	35.71	35.62	35.86
14	25	112.5	14.38	14.31	14.45	35.89	35.87	35.91
13	25	137.5	14.23	14.11	14.33	35.85	35.81	35.88
12	25	162.5	14.04	13.86	14.13	35.81	35.75	35.83
11	25	187.5	13.02	12.58	13.81	35.59	35.49	35.75
8	100	250	11.61	9.79	12.58	35.46	35.26	35.56
7	100	350	8.08	6.93	9.72	35.12	35.05	35.26
6	100	450	6.27	5.68	6.89	35.04	35	35.07
5	100	550	5.34	5.04	5.68	35.01	34.99	35.03
4	100	650	4.97	4.84	5.07	35.01	34.99	35.02
3	100	750	4.73	4.61	4.85	35	34.97	35.02
2	100	850	4.48	4.39	4.61	34.99	34.96	35.01
1	100	950	4.33	4.23	4.39	34.98	34.96	34.98

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
0	103	51	16.11	15.73	18.7	36.22	35.78	36.29
1	103	51	16.4	15.73	18.79	36.17	35.74	36.29
2	103	51	16.9	15.73	18.78	36.09	35.74	36.29
3	103	51	16.19	15.73	19.29	36.23	35.79	36.29
4	101	50	16.08	15.73	18.48	36.23	35.79	36.29
5	101	50	16.6	15.73	18.71	36.13	35.71	36.29
6	110	55	17	15.73	18.81	36.03	35.64	36.29
7	110	55	17.63	15.73	18.79	35.87	35.45	36.28
8	104	52	17.07	15.73	18.79	35.98	35.49	36.29
11	104	52	16.91	15.73	18.68	36.01	35.52	36.28
12	106	53	16.57	15.73	18.58	36.1	35.57	36.3
13	106	53	17.37	15.73	19.28	35.95	35.4	36.51
14	107	53	16.44	15.69	18.69	36.12	35.51	36.28
15	107	53	16.94	15.69	18.87	35.99	35.42	36.27
16	109	54	17	15.69	18.93	35.94	35.39	36.27
17	109	54	16.95	15.66	18.84	35.96	35.42	36.27
18	101	50	16.54	15.72	18.86	36.07	35.4	36.28

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
0	108	54	15.86	15.73	18.38	36.26	35.85	36.29
1	108	54	16.57	15.73	19.08	36.09	35.38	36.28
2	104	52	16.7	15.73	19.06	36.05	35.39	36.29
3	104	52	16.63	15.73	18.96	36.07	35.44	36.29
4	103	51	16.64	15.72	18.96	36.07	35.43	36.27
5	103	51	16.5	15.72	18.81	36.1	35.48	36.27
6	103	51	16.39	15.72	18.84	36.13	35.46	36.27
7	103	51	16.64	15.73	18.81	36.06	35.44	36.28
8	104	52	16.47	15.73	18.81	36.11	35.44	36.28
11	104	52	16.77	15.73	18.65	36.09	35.31	36.28
12	102	51	16.94	15.73	18.63	36	35.51	36.28
13	102	51	16.85	15.73	18.08	36.02	35.67	36.28
14	103	51	16.75	15.73	18.08	36.06	35.67	36.29
15	103	51	16.55	15.73	18.15	36.09	35.62	36.29
16	103	51	16.88	15.73	18.22	36.01	35.59	36.28
17	103	51	16.9	15.73	18.53	36.03	35.66	36.29
18	101	50	16.78	15.72	18.58	36.06	35.67	36.28
19	101	50	16.68	15.73	18.56	36.12	34.81	36.43

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
0	129	64	11.97	8.93	16.35	34.13	32.73	35.28
1	13	122	12.45	11.2	13.17	35.02	34.6	35.27
2	71	80	10.45	9.39	12.47	34.22	33.53	34.64
3	45	22	14.2	12.11	16.44	33.2	32.71	34.03
4	131	65	12.09	9.51	16.34	33.92	32.74	34.92
5	17	122	11.63	11.15	11.86	34.85	34.67	34.91
6	62	83	9.95	8.18	12.54	34.13	33.69	34.68
7	52	26	13.13	9.66	16.58	33.25	32.66	34.09
8	131	65	11.64	8.26	16.33	33.92	32.75	35.11
11	171	122	12.16	10.97	12.67	34.99	34.59	35.13
12	86	71	10	8.51	13.28	33.94	33.17	34.61
13	28	14	14.92	13.11	16.43	32.95	32.66	33.46
14	130	65	11.62	8.75	16.31	34.14	32.69	35.04
15	46	107	11.66	10.88	12.38	34.84	34.39	35.05
16	49	59	9.02	7.84	11.58	33.71	33.49	34.4
17	35	17	13.6	10.7	16.5	33.11	32.65	33.73
18	131	65	11.34	7.66	16.61	33.95	32.65	35.37
19	131	65	11.2	8.04	17.47	34.09	32.23	35.35

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	18.33	17.48	19.23	35.78	35.63	35.93
17	25	37.5	16.57	15.81	17.47	36.12	35.93	36.26
16	25	62.5	15.77	15.73	15.79	36.27	36.26	36.28
15	25	87.5	15.74	15.73	15.75	36.28	36.27	36.29
14	25	112.5	15.74	15.73	15.74	36.28	36.27	36.28
13	25	137.5	15.74	15.73	15.74	36.28	36.26	36.28
12	25	162.5	15.74	15.73	15.74	36.28	36.27	36.28
11	25	187.5	15.74	15.73	15.75	36.28	36.27	36.28
8	100	250	15.73	15.72	15.73	36.26	36.25	36.27
7	100	350	15.7	15.31	15.73	36.25	36.13	36.26
6	100	450	13.06	10.67	15.25	35.74	35.37	36.13
5	100	550	9.42	8.11	10.56	35.25	35.11	35.37
4	100	650	6.81	5.57	8.09	35.06	35	35.12
3	100	750	5.5	5.2	5.75	35.01	34.98	35.03
2	100	850	4.98	4.8	5.21	35	34.98	35.02
1	100	950	4.7	4.62	4.82	34.99	34.97	35

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	18.64	17.62	19.46	35.69	35.4	35.99
17	25	37.5	16.65	16.06	17.62	36.12	35.99	36.2
16	25	62.5	15.7	15.66	15.94	36.25	36.23	36.26
15	25	87.5	15.71	15.7	15.72	36.27	36.25	36.27
14	25	112.5	15.7	15.66	15.71	36.27	36.25	36.27
13	25	137.5	15.66	15.65	15.67	36.25	36.23	36.23
12	25	162.5	15.65	15.65	15.65	36.24	36.23	36.25
11	25	187.5	15.65	15.63	15.65	36.24	36.23	36.25
8	100	250	15.63	15.61	15.66	36.24	36.22	36.25
7	100	350	15.52	15.13	15.63	36.2	36.1	36.24
6	100	450	12.61	10.74	15.11	35.67	35.4	36.1
5	100	550	9.55	8.26	10.73	35.26	35.13	35.4
4	100	650	6.96	6.1	8.23	35.07	35.02	35.14
3	100	750	5.54	5.15	6.09	35.01	34.99	35.03
2	100	850	4.99	4.82	5.15	35	34.98	35.01
1	100	950	4.71	4.58	4.82	34.99	34.97	35.01

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	18.69	16.69	20.09	35.66	35.48	36.11
17	25	37.5	15.66	15.35	16.65	36.1	36.03	36.13
16	25	62.5	15.37	15.35	15.41	36.14	36.12	36.15
15	25	87.5	15.44	15.38	15.47	36.18	36.14	36.19
14	25	112.5	15.49	15.47	15.51	36.2	36.18	36.21
13	25	137.5	15.46	15.43	15.48	36.2	36.18	36.2
12	25	162.5	15.38	15.36	15.44	36.16	36.15	36.19
11	25	187.5	15.38	15.36	15.38	36.16	36.15	36.17
8	100	250	15.14	14.79	15.38	36.1	36.01	36.16
7	100	350	13.68	12.03	14.81	35.82	35.55	36.02
6	100	450	10.6	8.79	12.01	35.37	35.16	35.56
5	100	550	7.67	6.47	8.78	35.1	35.03	35.17
4	100	650	5.8	5.4	6.45	35.02	35	35.05
3	100	750	5.17	4.94	5.4	35	34.98	35.02
2	100	850	4.79	4.61	4.94	34.99	34.97	35
1	100	950	4.55	4.5	4.61	34.99	34.96	35

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	19.33	17.31	20.06	35.47	35.29	35.94
17	25	37.5	16.05	15.46	17.29	36.09	35.9	36.2
16	25	62.5	15.54	15.51	15.54	36.21	36.19	36.22
15	25	87.5	15.51	15.5	15.53	36.21	36.2	36.22
14	25	112.5	15.51	15.48	15.53	36.21	36.19	36.22
13	25	137.5	15.48	15.47	15.48	36.2	36.18	36.2
12	25	162.5	15.48	15.47	15.5	36.2	36.18	36.2
11	25	187.5	15.46	15.41	15.48	36.19	36.17	36.2
8	100	250	15.23	14.92	15.42	36.13	36.04	36.19
7	100	350	13.7	11.69	14.92	35.83	35.49	36.05
6	100	450	10.03	8.56	11.65	35.31	35.16	35.5
5	100	550	7.54	6.36	8.56	35.1	35.02	35.16
4	100	650	5.73	5.37	6.36	35.02	35	35.05
3	100	750	5.05	4.85	5.35	35	34.97	35.01
2	100	850	4.76	4.65	4.85	35	34.97	35.01
1	100	950	4.52	4.46	4.64	34.98	34.97	34.99

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	19.03	16.54	19.9	34.82	34.54	35.28
17	25	37.5	15.06	14.73	16.53	35.81	35.41	35.97
16	25	62.5	14.92	14.83	15.04	36.01	35.97	36.06
15	25	87.5	15.04	14.98	15.06	36.07	36.05	36.09
14	25	112.5	14.96	14.92	15.01	36.05	36.02	36.07
13	25	137.5	14.93	14.93	14.95	36.05	36.03	36.05
12	25	162.5	14.89	14.86	14.95	36.03	36.01	36.04
11	25	187.5	14.73	14.72	14.86	35.99	35.97	36.02
8	100	250	14.34	13.44	14.58	35.91	35.73	35.96
7	100	350	12.15	10.2	13.42	35.57	35.32	35.74
6	100	450	8.73	7.6	10.2	35.17	35.07	35.32
5	100	550	6.48	5.84	7.58	35.04	34.99	35.09
4	100	650	5.33	5.03	5.86	35.01	34.98	35.04
3	100	750	4.84	4.74	5.02	34.99	34.97	35
2	100	850	4.63	4.52	4.74	34.99	34.97	35
1	100	950	4.43	4.36	4.52	34.98	34.96	34.99

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	18.74	16.69	20.86	35.28	34.59	35.95
17	25	37.5	15.41	15.06	16.69	36.05	35.97	36.07
16	25	62.5	15.28	15.13	15.42	36.12	36.06	36.16
15	25	87.5	15.4	15.36	15.42	36.16	36.15	36.16
14	25	112.5	15.3	15.28	15.38	36.14	36.13	36.16
13	25	137.5	15.24	15.15	15.28	36.13	36.09	36.14
12	25	162.5	15.15	15.15	15.15	36.1	36.09	36.1
11	25	187.5	15.15	15.15	15.16	36.1	36.09	36.11
8	100	250	14.68	13.58	15.16	36	35.78	36.1
7	100	350	12.02	10.29	13.58	35.55	35.32	35.76
6	100	450	9	7.43	10.29	35.2	35.07	35.32
5	100	550	6.58	5.8	7.41	35.04	34.99	35.09
4	100	650	5.53	5.19	5.79	35.01	34.98	35.03
3	100	750	4.91	4.75	5.18	34.99	34.97	35.01
2	100	850	4.65	4.53	4.75	34.99	34.97	35
1	100	950	4.45	4.36	4.53	34.98	34.96	35

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	21.17	19.65	21.75	35.64	35.57	35.73
17	25	37.5	19.09	17.72	19.71	35.51	35.4	35.71
16	25	62.5	15.39	13.75	17.36	35.58	35.4	35.76
15	25	87.5	13.39	13.13	13.73	35.51	35.34	35.57
14	25	112.5	13.21	13.1	13.28	35.59	35.56	35.61
13	25	137.5	13.04	12.91	13.11	35.6	35.58	35.62
12	25	162.5	12.74	12.59	12.92	35.61	35.58	35.63
11	25	187.5	12.46	12.19	12.58	35.62	35.58	35.64
8	100	250	10.03	8.68	11.79	35.3	35.14	35.52
7	100	350	7.75	6.74	8.68	35.11	35.05	35.15
6	100	450	6.19	5.71	6.73	35.04	35.02	35.05
5	100	550	5.09	4.86	5.68	35	34.97	35.05
4	100	650	4.76	4.61	4.68	34.99	34.96	35.01
3	100	750	4.48	4.39	4.61	34.98	34.95	34.99
2	100	850	4.38	4.29	4.42	34.97	34.95	34.99
1	100	950	4.25	4.19	4.3	34.97	34.95	34.99

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	18.86	18.18	19.87	35.59	35.58	35.65
17	25	37.5	17.42	15.53	18.15	35.62	35.39	35.71
16	25	62.5	14.48	13.36	15.5	35.47	35.23	35.54
15	25	87.5	13.59	12.98	13.96	35.53	35.29	35.69
14	25	112.5	13.25	13.16	13.68	35.59	35.55	35.63
13	25	137.5	13.43	13.25	13.61	35.73	35.63	35.79
12	25	162.5	13.73	13.61	13.76	53.84	35.79	35.87
11	25	187.5	13.64	13.47	13.76	35.83	35.79	35.86
8	100	250	10.95	9.59	13.46	35.42	35.24	35.8
7	100	350	8.21	7.3	9.57	35.13	35.07	35.25
6	100	450	6.46	5.87	7.3	35.05	35.01	35.07
5	100	550	5.51	5.3	5.87	35.02	35	35.03
4	100	650	5.04	4.77	5.3	35	34.97	35.03
3	100	750	4.67	4.57	4.77	34.99	34.96	35
2	100	850	4.45	4.34	4.57	34.98	34.96	35
1	100	950	4.31	4.25	4.36	34.97	34.95	34.98

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	25.63	21.9	27.17	34.67	33.98	35.07
17	25	37.5	18.33	16.26	20.08	35.4	34.57	36.27
16	25	62.5	16.49	15.66	17.33	36.18	36.11	36.21
15	25	87.5	15.69	15.65	15.7	36.22	36.19	36.23
14	25	112.5	15.67	15.66	15.68	36.23	36.21	36.23
13	25	137.5	15.67	15.63	15.68	36.22	36.2	36.23
12	25	162.5	15.62	15.6	15.63	36.21	36.19	36.22
11	25	187.5	15.63	15.61	36.22	36.2	36.2	36.22
8	100	250	15.48	14.92	15.63	36.18	36.05	36.22
7	100	350	12.16	10.45	14.88	35.58	35.33	36.06
6	100	450	8.75	7.73	10.6	35.16	35.08	35.35
5	100	550	6.57	5.89	7.72	35.04	34.98	35.09
4	100	650	5.57	5.19	5.89	35.01	34.99	35.03
3	100	750	4.95	4.78	5.18	35	34.97	35.01
2	100	850	4.68	4.53	4.77	34.99	34.96	35.01
1	100	950	4.39	4.29	4.53	34.97	34.94	34.99

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	28.09	27.62	28.26	35.97	35.77	36.28
17	25	37.5	24.66	23.4	26.97	36.49	36.22	36.62
16	25	62.5	21.51	20.01	23.48	36.55	36.45	36.63
15	25	87.5	18.35	16.22	19.98	36.32	35.91	36.48
14	25	112.5	15.16	14.63	15.91	35.83	35.51	36.2
13	25	137.5	15.65	15.61	15.68	36.22	36.19	36.22
12	25	162.5	15.61	15.56	15.63	36.21	36.2	36.22
11	25	187.5	15.58	15.56	15.58	36.21	36.19	36.21
8	100	250	15.47	14.56	15.6	36.18	35.99	36.21
7	100	350	11.72	10.05	14.42	35.51	35.29	35.98
6	100	450	8.96	7.8	10	35.18	35.08	35.29
5	100	550	6.54	5.89	7.79	35.04	34.99	35.1
4	100	650	5.46	5.21	5.88	35.01	34.99	35.02
3	100	750	4.93	4.78	5.21	35	34.97	35.02
2	100	850	4.64	4.54	4.78	34.99	34.97	35
1	100	950	4.43	4.34	4.54	34.97	34.95	34.99

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	27.65	26.47	28.26	35.9	35.58	36.36
17	25	37.5	24.04	21.93	26.22	36.42	36.31	36.57
16	25	62.5	20.21	19.28	21.83	36.53	36.48	36.61
15	25	87.5	18.23	17.09	19.26	36.39	36.24	36.49
14	25	112.5	15.94	15.33	16.93	36.16	36.11	36.26
13	25	137.5	15.74	15.73	15.76	36.26	36.24	36.26
12	25	162.5	15.73	15.71	15.73	36.25	36.24	36.26
11	25	187.5	15.71	15.7	15.71	36.25	36.24	36.25
8	100	250	15.67	15.22	15.7	36.22	36.11	36.25
7	100	350	12.59	10.28	15.01	35.62	35.3	36.07
6	100	450	8.75	7.49	10.26	35.17	35.07	35.32
5	100	550	6.61	6	7.49	35.05	35.01	35.09
4	100	650	5.44	5.18	6	35.01	34.98	35.03
3	100	750	4.91	4.7	5.17	35	34.97	35.02
2	100	850	4.59	4.54	4.7	34.99	34.97	34.99
1	100	950	4.48	4.39	4.54	34.98	34.97	34.99

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	27.69	26.35	28.1	35.95	35.61	36.44
17	25	37.5	23.52	20.37	25.88	36.49	36.37	36.59
16	25	62.5	19.55	18.68	20.4	36.48	36.41	36.51
15	25	87.5	18.02	17.38	18.65	36.39	36.31	36.46
14	25	112.5	16.66	16.15	17.4	36.2	36.12	36.3
13	25	137.5	15.5	14.95	16.18	36.04	35.96	36.13
12	25	162.5	15.15	14.76	15.65	36.06	35.92	36.22
11	25	187.5	15.63	15.6	15.63	36.22	36.2	36.22
8	100	250	13.4	11.74	15.54	36.76	35.48	36.19
7	100	350	10.24	8.56	11.7	35.31	35.13	35.49
6	100	450	7.57	6.44	8.56	35.09	35.02	35.15
5	100	550	5.92	5.35	6.44	35.02	34.98	35.04
4	100	650	5.09	4.89	5.35	35	34.98	35.02
3	100	750	4.77	4.64	4.92	35	34.98	35.02
2	100	850	4.51	4.42	4.62	34.98	34.96	35
1	100	950	4.37	4.33	4.42	34.97	34.95	34.98

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	27.11	25.01	27.72	35.96	35.73	36.37
17	25	37.5	22.49	20.51	24.89	36.38	36.33	36.42
16	25	62.5	19.31	18.73	20.46	36.45	36.38	36.49
15	25	87.5	18.26	17.17	18.73	36.41	36.26	36.45
14	25	112.5	16.82	15.93	17.13	36.25	36.14	36.29
13	25	137.5	15.24	14.73	15.91	36.02	35.92	36.13
12	25	162.5	14.16	13.71	14.64	35.84	35.77	35.93
11	25	187.5	13.35	13.08	13.71	35.72	35.67	35.77
8	100	250	11.37	9.49	13.01	35.45	35.22	35.67
7	100	350	8.01	7.15	9.48	35.11	35.04	35.22
6	100	450	6.2	5.7	7.1	35.02	34.98	35.06
5	100	550	5.42	5.2	5.7	35	34.97	35.02
4	100	650	5.05	4.84	5.23	35.01	34.98	35.02
3	100	750	4.63	4.5	4.84	34.99	34.97	35.01
2	100	850	4.43	4.35	4.52	34.98	34.94	34.99
1	100	950	4.3	4.25	4.34	34.97	34.95	34.98

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	27.54	25.97	28.46	35.55	35.06	36.25
17	25	37.5	21.04	19.43	25.76	36.47	36.23	36.58
16	25	62.5	18.49	17.5	19.37	36.42	36.31	36.5
15	25	87.5	16.33	15.23	17.48	36.16	36.01	36.32
14	25	112.5	15.63	15.29	15.75	36.2	36.04	36.26
13	25	137.5	15.72	15.7	15.74	36.25	36.24	36.26
12	25	162.5	15.7	15.69	15.71	36.24	36.22	36.26
11	25	187.5	15.66	15.65	15.69	36.22	36.21	36.23
8	100	250	14.54	11.8	15.66	35.99	35.49	36.22
7	100	350	9.8	8.04	11.79	35.26	35.1	35.49
6	100	450	7.02	6.32	8.02	35.06	35.02	35.11
5	100	550	5.77	5.45	6.3	35	34.98	35.03
4	100	650	5.06	4.84	5.45	34.98	34.96	35.01
3	100	750	4.75	4.42	4.87	34.98	34.97	35
2	100	850	4.51	4.42	4.64	34.97	34.95	34.99
1	100	950	4.38	4.31	4.42	34.97	34.95	34.98

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	26.99	23.81	28.5	35.42	34.3	36.08
17	25	37.5	20.54	19.13	22.83	36.32	36.11	36.38
16	25	62.5	18.27	17.41	19.08	36.23	36.12	36.26
15	25	87.5	16.89	16.5	17.33	36.07	36.02	36.11
14	25	112.5	15.81	15.31	16.44	35.92	35.85	36
13	25	137.5	15.2	15.16	15.31	35.88	35.85	35.91
12	25	162.5	15.24	15.11	15.36	35.92	35.9	35.95
11	25	187.5	14.93	14.73	15.11	35.89	35.83	35.92
8	100	250	13.05	10.74	14.61	35.52	35.18	35.8
7	100	350	9.17	7.75	10.76	35.04	34.92	35.2
6	100	450	6.71	5.82	7.73	34.88	34.82	34.93
5	100	550	5.35	5.14	5.8	34.82	34.8	34.84
4	100	650	5.02	4.89	5.2	34.82	34.8	34.84
3	100	750	4.7	4.62	4.89	34.8	34.77	34.82
2	100	850	4.54	4.42	4.62	34.79	34.67	34.82
1	100	950	4.34	4.28	4.42	34.77	34.74	34.79

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	26.48	23.46	28.27	35.73	34.84	36.34
17	25	37.5	20.64	19.28	22.62	36.49	36.39	36.56
16	25	62.5	18.13	16.94	19.12	36.39	36.25	36.46
15	25	87.5	16.3	15.31	16.91	36.18	36.03	36.28
14	25	112.5	15.67	15.35	15.78	36.22	36.04	36.25
13	25	137.5	15.7	15.69	15.71	36.23	36.21	36.24
12	25	162.5	15.66	15.63	15.7	36.22	36.2	36.23
11	25	187.5	15.64	15.63	15.65	36.21	36.19	36.22
8	100	250	14.23	11.26	15.65	35.94	35.42	36.21
7	100	350	9.28	7.97	11.26	35.21	35.09	35.43
6	100	450	7.07	6.05	7.97	35.05	34.98	35.1
5	100	550	5.64	5.27	6.05	35	34.98	35.02
4	100	650	5.03	4.86	5.25	35	34.98	35.01
3	100	750	4.76	4.64	4.86	34.99	34.97	35.01
2	100	850	4.47	4.37	4.64	34.97	34.95	34.99
1	100	950	4.31	4.25	4.39	34.97	34.95	34.97

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	27.53	25.93	28.11	35.9	34.7	36.31
17	25	37.5	21.8	19.67	25.46	36.42	36.31	36.47
16	25	62.5	17.16	14.66	19.61	35.97	35.4	36.42
15	25	87.5	14.54	13.81	15.31	35.72	35.62	35.8
14	25	112.5	13.98	13.76	14.16	35.77	35.64	35.84
13	25	137.5	13.28	12.39	13.75	35.71	35.57	35.78
12	25	162.5	12	11.75	12.36	35.52	35.47	35.58
11	25	187.5	11.35	11.15	11.74	35.44	35.4	35.49
8	100	250	9.99	8.84	11.06	35.29	35.15	35.41
7	100	350	7.79	6.94	8.8	35.1	35.04	35.16
6	100	450	6.25	5.68	6.93	35.02	34.97	35.05
5	100	550	5.34	5.11	5.68	34.98	34.96	35
4	100	650	4.88	4.69	5.1	34.97	34.94	34.98
3	100	750	4.57	4.46	4.69	34.96	34.94	34.97
2	100	850	4.4	4.32	4.46	34.96	34.94	34.97
1	100	950	4.28	4.23	4.32	34.95	34.94	34.96

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	22.31	18.88	25.76	32.85	31.26	35.34
17	25	37.5	18.95	17.09	21.15	35.7	35.54	36.08
16	25	62.5	14.61	13.48	16.91	35.74	35.25	35.92
15	25	87.5	14.19	13.31	14.58	35.82	35.63	35.89
14	25	112.5	12.87	12.78	13.18	35.6	35.57	35.64
13	25	137.5	12.33	11.88	12.76	35.57	35.51	35.62
12	25	162.5	11.68	11.15	11.88	35.48	35.41	35.5
11	25	187.5	10.82	10.36	11.11	35.37	35.31	35.41
8	100	250	9.32	8	10.31	35.22	35.1	35.31
7	100	350	6.92	6.29	7.98	35.05	35.01	35.11
6	100	450	5.88	5.57	6.27	35.01	34.98	35.03
5	100	550	5.23	5	5.57	34.99	34.96	35
4	100	650	4.85	4.65	5	34.97	34.95	35
3	100	750	4.53	4.44	4.64	34.96	34.94	34.97
2	100	850	4.4	4.32	4.44	34.96	34.94	34.97
1	100	950	4.27	4.22	4.34	34.95	34.93	34.96

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	26.99	26.94	27.02	36.2	36.13	36.23
17	25	37.5	24.94	23.81	26.92	36.56	36.24	36.63
16	25	62.5	23.4	22.96	23.8	36.62	36.6	36.64
15	25	87.5	22.66	22.21	22.95	36.63	36.62	36.65
14	25	112.5	21.46	21.01	22.13	36.65	36.62	36.67
13	25	137.5	20.49	20.06	20.98	36.64	36.62	36.65
12	25	162.5	19.63	19.37	19.98	36.59	36.55	36.63
11	25	187.5	19.14	19.01	19.31	36.54	36.52	36.55
8	100	250	18.69	18.33	19.03	36.54	36.52	36.56
7	100	350	18.18	17.97	18.34	36.52	36.49	36.53
6	100	450	17.84	17.63	17.97	36.47	36.43	36.5
5	100	550	17.36	16.86	17.65	36.4	36.3	36.45
4	100	650	16.28	15.53	16.84	36.2	36.06	36.31
3	100	750	14.74	13.78	15.51	35.94	35.79	36.07
2	100	850	13.13	12.11	13.78	35.7	35.55	35.79
1	100	950	10.93	9.64	12.11	35.4	35.25	35.55

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	26.68	26.65	26.7	36.32	36.3	36.42
17	25	37.5	25.44	23.81	26.63	36.5	36.32	36.74
16	25	62.5	23.05	22.52	23.78	36.64	36.62	36.65
15	25	87.5	22.06	21.58	22.52	36.66	36.63	36.67
14	25	112.5	21.06	20.58	21.56	36.66	36.63	36.67
13	25	137.5	20.25	19.84	20.58	36.63	36.6	36.64
12	25	162.5	19.67	19.43	19.84	36.61	36.59	36.62
11	25	187.5	19.21	19.06	19.43	36.57	36.53	36.61
8	100	250	18.74	18.34	19.01	36.54	36.51	36.55
7	100	350	18.11	17.9	18.34	36.5	36.47	36.52
6	100	450	17.67	17.44	17.9	36.45	36.41	36.48
5	100	550	17.11	16.61	17.44	36.35	36.25	36.42
4	100	650	15.82	14.91	16.61	36.12	35.96	36.26
3	100	750	13.92	12.96	14.88	35.81	35.65	35.96
2	100	850	12.05	10.69	12.96	35.55	35.36	35.67
1	100	950	9.63	8.91	10.69	35.25	35.17	35.37

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	28.53	28.47	28.62	36.04	36.02	36.05
17	25	37.5	27.07	25.31	28.47	36.25	36.04	36.45
16	25	62.5	23.98	22.87	25.28	36.58	36.43	36.69
15	25	87.5	21.92	20.9	22.81	36.7	36.6	36.73
14	25	112.5	20.21	19.47	20.88	36.65	36.56	36.69
13	25	137.5	19.09	18.87	19.44	36.54	36.52	36.57
12	25	162.5	18.53	18.43	18.87	36.53	36.51	36.54
11	25	187.5	18.35	18.26	18.44	36.52	36.5	36.53
8	100	250	17.94	17.69	18.25	36.49	36.45	36.53
7	100	350	17.24	16.33	17.68	36.38	36.21	36.47
6	100	450	15.19	13.76	16.33	36.02	35.79	36.22
5	100	550	12.22	10.93	13.76	35.57	35.39	35.79
4	100	650	9.61	8.55	10.9	35.26	35.15	35.41
3	100	750	7.19	6.47	8.5	35.09	35.05	35.16
2	100	850	5.96	5.62	6.45	35.05	35.02	35.07
1	100	950	5.42	5.27	5.6	35.02	34.96	35.05

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	28.43	28.42	28.43	36.06	36.06	36.07
17	25	37.5	27.5	26.37	28.43	36.16	36.06	36.28
16	25	62.5	24.89	23.11	26.37	36.5	36.26	36.64
15	25	87.5	22.21	21.41	23.06	36.67	36.62	36.71
14	25	112.5	20.8	20.08	21.36	36.68	36.61	36.67
13	25	137.5	19.29	18.9	20	36.55	36.52	36.59
12	25	162.5	18.82	18.63	18.9	36.53	36.52	36.54
11	25	187.5	18.49	18.34	18.62	36.53	36.5	36.54
8	100	250	17.98	17.72	18.29	36.49	35.64	36.52
7	100	350	17.09	16.12	17.69	36.35	36.17	36.46
6	100	450	15.17	13.61	16.12	36.02	35.77	36.17
5	100	550	11.81	10.73	13.61	35.51	35.37	35.57
4	100	650	9.54	8.22	10.72	35.25	35.12	35.38
3	100	750	7.33	6.3	8.2	35.09	35.04	35.14
2	100	850	5.92	5.57	6.3	35.05	35.03	35.06
1	100	950	5.27	4.98	5.5	35.04	35.02	35.05

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	23.75	22.33	24.53	35.11	34.85	35.51
17	25	37.5	20.04	15.85	22.23	35.55	35.24	35.79
16	25	62.5	14.51	13.36	16.06	35.51	35.36	35.73
15	25	87.5	13.38	13.28	13.56	35.54	35.41	35.7
14	25	112.5	13.16	12.78	13.56	35.66	35.61	35.71
13	25	137.5	12.08	11.65	12.76	35.55	35.48	35.62
12	25	162.5	11	10.59	11.63	35.43	35.37	35.51
11	25	187.5	10.29	9.9	10.59	35.34	35.3	35.39
8	100	250	8.72	7.53	9.89	35.2	35.11	35.31
7	100	350	6.64	5.89	7.5	35.09	35.05	35.13
6	100	450	5.43	5.09	5.89	35.06	35.04	35.17
5	100	550	4.92	4.77	5.1	35.04	35.05	35.05
4	100	650	4.67	4.5	4.84	35.03	35	35.07
3	100	750	4.43	4.37	4.5	35.02	34.99	35.03
2	100	850	4.31	4.25	4.39	35.01	34.99	35.02
1	100	950	4.18	4.12	4.25	35.01	34.99	35.02

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	22.62	19.25	23.43	34.66	34.22	35.51
17	25	37.5	17.18	14.98	19.69	35.46	34.47	35.62
16	25	62.5	14.14	13.17	14.93	35.56	35.41	35.71
15	25	87.5	12.99	12.86	13.13	35.47	35.38	35.51
14	25	112.5	12.8	12.76	12.86	35.52	35.47	35.57
13	25	137.5	12.63	12.5	12.81	35.58	35.53	35.65
12	25	162.5	12.31	11.86	12.65	35.59	35.53	35.64
11	25	187.5	11.72	11.42	11.88	35.51	35.46	35.53
8	100	250	9.18	8.06	10.98	35.22	35.15	35.43
7	100	350	7.14	6.39	8.05	35.11	35.08	35.18
6	100	450	5.85	5.53	6.39	35.05	35.04	35.09
5	100	550	5.29	5.09	5.53	35.04	35.01	35.06
4	100	650	4.95	4.77	5.09	35.04	35.01	35.06
3	100	750	4.64	4.5	4.77	35.02	35.01	35.03
2	100	850	4.39	4.32	4.5	35	34.98	35.02
1	100	950	4.26	4.2	4.32	34.99	34.98	35.02

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
17	25	12.5	27.55	27.54	27.56	36.14	36.12	36.15
16	50	50	27.17	25.81	27.56	36.26	36.13	36.55
15	25	87.5	24.21	22.87	25.69	36.63	35.47	36.7
14	25	112.5	21.86	20.88	22.87	36.71	36.68	36.77
13	25	137.5	20.28	19.69	20.88	36.68	36.62	36.72
12	25	162.5	19.19	18.81	19.68	36.63	36.58	36.69
11	25	187.5	18.51	18.28	18.79	36.56	36.52	36.59
8	100	250	17.73	17.06	18.26	36.47	36.37	36.55
7	100	350	15.73	14.28	17.06	36.15	35.9	36.38
6	100	450	12.42	11.08	14.21	35.63	35.43	35.89
5	100	550	9.4	8.48	11.06	35.23	35.12	35.43
4	100	650	7.72	6.98	8.45	35.12	35.08	35.15
3	100	750	6.35	5.68	7	35.08	35.05	35.12
2	100	850	5.41	4.99	5.67	35.06	35.03	35.08
1	100	950	4.88	4.67	5	35.04	35.02	35.05

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	26.51	26.5	26.52	36.12	36.1	36.13
17	25	37.5	26.51	26.5	26.52	36.15	36.12	36.18
16	25	62.5	25.78	25.18	26.48	36.42	36.18	36.56
15	25	87.5	23.66	22.84	25.18	36.61	36.54	36.65
14	25	112.5	22.07	21.34	22.84	36.67	36.63	36.7
13	25	137.5	20.81	20.33	21.33	36.67	36.64	36.72
12	25	162.5	19.76	19.47	20.21	36.64	36.62	36.66
11	25	187.5	19.14	18.96	19.44	36.61	36.59	36.64
8	100	250	18.48	18.18	18.96	36.57	36.54	36.6
7	100	350	17.91	17.69	18.18	36.52	36.48	36.55
6	100	450	17.35	16.86	17.69	36.44	36.34	36.5
5	100	550	16.27	15.45	16.84	36.25	36.1	36.36
4	100	650	14.42	13.43	15.44	35.93	35.76	36.1
3	100	750	12.37	11.08	13.43	35.62	35.45	35.77
2	100	850	9.73	8.81	11.06	35.28	35.19	35.43
1	100	950	8.02	7.33	8.8	35.15	35.1	35.19

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	26.54	26.48	26.71	36.07	36.06	36.08
17	25	37.5	26.41	26.22	26.48	36.11	36.06	36.16
16	25	62.5	26	25.7	26.22	36.17	36.13	36.31
15	25	87.5	24.3	23.25	25.66	36.54	36.29	36.68
14	25	112.5	22.2	21.59	23.21	36.68	36.65	36.73
13	25	137.5	21	20.31	21.62	36.66	36.24	36.7
12	25	162.5	19.88	19.5	20.31	36.63	36.6	36.65
11	25	187.5	19.28	19.08	19.47	36.61	36.59	36.63
8	100	250	18.55	18.19	18.96	36.57	36.53	36.6
7	100	350	17.93	17.75	18.19	36.45	34.99	36.55
6	100	450	17.4	17.01	17.75	36.43	35.8	36.5
5	100	550	16.26	15.22	17	36.25	36.05	36.37
4	100	650	14.25	13.4	15.23	35.89	35.76	36.05
3	100	750	12.39	10.45	13.41	35.62	35.35	35.77
2	100	850	9.46	8.2	10.45	35.25	35.15	35.37
1	100	950	7.18	6.44	8.18	35.12	35.06	35.16

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	26.65	26.65	26.66	36.06	36.02	36.07
17	25	37.5	26.63	26.55	26.66	36.07	36.06	36.08
16	25	62.5	26.3	25.77	26.55	36.27	36.09	36.43
15	25	87.5	24.82	22.58	25.77	36.5	36.43	36.68
14	25	112.5	21.86	21.09	22.53	36.65	36.63	36.69
13	25	137.5	20.48	20.01	21.03	36.65	36.62	36.69
12	25	162.5	19.68	19.36	20	36.62	36.61	36.63
11	25	187.5	19.13	18.97	19.36	36.6	36.58	36.61
8	100	250	18.51	18.18	18.9	36.56	36.53	36.6
7	100	350	18.02	17.75	18.19	36.53	36.5	36.56
6	100	450	17.51	17.23	17.75	36.47	36.42	36.52
5	100	550	16.84	16.15	17.23	36.36	36.21	36.43
4	100	650	15.2	14.2	16.13	36.06	35.89	36.21
3	100	750	12.83	11.38	14.2	35.68	35.48	35.9
2	100	850	10.09	8.95	11.4	35.32	35.2	35.48
1	100	950	7.8	7.12	8.89	35.14	35.1	35.2

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	25.71	25.7	25.71	36.01	35.98	36.12
17	25	37.5	25.48	24.98	25.7	36.11	36.01	36.27
16	25	62.5	23.73	23.16	25.09	36.52	36.24	36.58
15	25	87.5	22.27	21.62	23.23	36.63	36.57	36.65
14	25	112.5	21.05	20.29	21.59	36.64	36.61	36.69
13	25	137.5	19.58	19.36	20.28	36.63	36.61	36.66
12	25	162.5	19.22	19.01	19.36	36.61	36.59	36.61
11	25	187.5	18.85	18.78	19.01	36.59	36.57	36.6
8	100	250	18.33	18.03	18.72	36.55	36.52	36.6
7	100	350	17.77	17.5	18.03	36.51	36.45	36.55
6	100	450	17.2	16.91	17.51	36.41	35.48	36.46
5	100	550	16.18	15.51	16.94	36.23	35.36	36.39
4	100	650	14.79	13.31	15.48	35.99	35.12	35.13
3	100	750	12.58	11.14	13.31	35.65	35.45	35.76
2	100	850	9.88	8.86	11.11	35.3	35.18	35.45
1	100	950	7.72	6.85	8.82	35.14	35.08	35.2

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	18.65	15.7	19.99	34.03	33.44	34.47
17	25	37.5	12.9	10.92	19.08	33.75	32.84	35.59
16	25	62.5	16.88	16.43	17.16	35.96	35.57	36.19
15	25	87.5	16.03	15.36	16.84	36.06	35.97	36.18
14	25	112.5	14.57	13.98	15.33	35.88	35.79	35.98
13	25	137.5	13.56	13.33	13.98	35.75	35.69	35.8
12	25	162.5	13.2	12.86	13.53	35.74	35.68	35.79
11	25	187.5	12.67	12.5	12.85	35.66	35.62	35.68
8	100	250	11.49	10.04	12.44	35.5	35.31	35.63
7	100	350	8.65	7.56	9.95	35.19	35.07	35.32
6	100	450	6.31	5.71	7.53	34.94	34.9	35.07
5	100	550	5.33	4.97	5.7	34.93	34.9	34.94
4	100	650	4.79	4.67	5	34.95	34.93	34.98
3	100	750	4.59	4.32	4.7	34.96	34.92	34.98
2	100	850	4.26	4.19	4.36	34.94	34.91	34.96
1	100	950	4.32	4.22	4.36	34.96	34.92	35

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	21.94	20.6	23.11	35.17	34.64	35.69
17	25	37.5	16.65	9.76	23.66	34.6	33.17	35.93
16	25	62.5	15.91	15.08	16.9	35.68	35.38	35.9
15	25	87.5	16.04	15.7	16.48	36.04	35.88	36.09
14	25	112.5	15.21	14.78	15.61	35.96	35.9	36.01
13	25	137.5	14.45	14.01	14.78	35.88	35.81	35.91
12	25	162.5	13.74	13.61	13.91	35.8	35.77	35.81
11	25	187.5	13.37	12.98	13.61	35.74	35.67	35.79
8	100	250	11.62	10.4	12.7	35.51	35.35	35.64
7	100	350	9.19	6.95	10.4	35.24	34.96	35.36
6	100	450	6.3	5.99	6.96	34.92	34.9	34.97
5	100	550	5.56	5.19	5.99	34.92	34.89	34.96
4	100	650	4.95	4.74	5.21	34.95	34.9	35
3	100	750	4.73	4.62	4.82	34.97	34.94	34.98
2	100	850	4.51	4.39	4.64	34.97	34.94	34.98
1	100	950	4.32	4.24	4.39	34.97	34.94	34.99

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
0	123	62	19.1	12.04	23.95	35.73	34.2	36.19
1	50	98	15.35	14.46	16.83	35.93	35.71	36.05
2	29	59	14.24	10.88	20.23	34.58	33.84	35.85
3	44	22	23.06	20.56	23.56	35.92	35.86	36.22
4	126	63	18.14	10.14	23.56	35.46	33.53	36.05
5	49	102	15.32	14.47	16.79	35.95	35.84	36.08
6	38	58	13.24	9.98	22.13	34.39	33.43	35.89
7	39	20	22.69	21.91	23.41	35.62	35.27	35.91
8	125	63	17.43	10.26	23.28	35.34	33.36	36.11
11	46	97	15.67	14.85	16.94	35.95	35.84	36.14
12	47	50	13.68	10.54	20.53	34.42	33.26	35.95
13	27	14	19.38	18.58	21.59	34.18	33.85	35.09
14	120	60	16.24	10.4	20.06	34.92	33.15	36.15
15	52	94	15.22	14.63	15.78	35.92	35.65	36.05
16	45	45	13.88	10.29	19.5	34.4	32.89	35.68
17	23	12	18.24	16.93	19.53	33.72	32.93	34.39
18	134	67	15.82	10.61	20.23	34.61	32.88	36.16
19	134	67	15.57	12.11	20.21	35.03	32.56	36.17

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	25.25	25.24	25.26	36.17	36.16	36.18
17	25	37.5	25.25	25.23	25.26	36.17	36.16	36.17
16	25	62.5	24.8	23.65	25.23	36.29	36.15	36.57
15	25	87.5	22.38	21.27	23.53	36.62	36.55	36.68
14	25	112.5	20.38	19.73	21.2	36.62	36.58	36.64
13	25	137.5	19.48	19.18	19.72	36.61	36.58	36.63
12	25	162.5	18.96	18.81	19.13	36.6	36.58	36.61
11	25	187.5	18.62	18.44	18.81	36.58	36.56	36.6
8	100	250	18.16	17.93	18.43	36.56	36.53	36.58
7	100	350	17.7	17.44	17.93	36.5	36.43	36.54
6	100	450	17.09	16.51	17.44	36.39	36.28	36.44
5	100	550	15.55	14.36	16.51	36.11	35.88	36.28
4	100	650	12.8	11.2	14.33	35.68	35.45	35.89
3	100	750	9.83	8.54	11.18	35.31	35.17	35.46
2	100	850	7.55	6.74	8.45	35.13	35.08	35.22
1	100	950	5.96	5.39	6.74	35.07	35.03	35.11

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	24.92	24.92	24.92	36.17	36.17	36.18
17	25	37.5	24.92	24.91	24.92	36.18	36.17	36.18
16	25	62.5	24.16	23.05	24.92	36.47	36.17	36.69
15	25	87.5	22.08	20.78	22.98	36.68	36.63	36.72
14	25	112.5	20.11	19.61	20.73	36.55	35.74	36.65
13	25	137.5	19.29	19.03	19.61	36.61	36.6	36.63
12	25	162.5	18.83	18.69	19.03	36.56	35.86	36.61
11	25	187.5	18.61	18.5	18.71	36.57	36.55	36.59
8	100	250	18.24	18.11	18.47	36.52	35.77	36.57
7	100	350	17.98	17.79	18.11	36.54	36.04	36.56
6	100	450	17.45	17.19	17.79	36.47	36.25	36.56
5	100	550	16.82	16	17.19	36.38	36.19	36.44
4	100	650	14.69	13.56	15.97	35.98	35.77	36.18
3	100	750	12.1	11.04	13.53	35.57	35.44	35.78
2	100	850	10.09	8.86	11.04	35.32	35.2	35.44
1	100	950	8.02	6.39	8.82	35.15	35.07	35.2

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
0	100	50	23.53	20.9	25.01	36.38	36.18	36.7
1	100	50	24.04	21.3	25.01	36.38	36.18	36.72
2	100	50	23.87	21.26	25.01	36.39	36.18	36.69
3	100	50	24.07	21.27	25.01	36.27	36.18	36.7
4	100	50	24.04	21.19	25.02	36.37	36.18	36.69
5	100	50	23.95	21.19	25.02	36.39	36.18	36.71
6	100	50	23.92	21.06	25.02	36.37	36.17	36.68
7	100	50	23.88	21.09	25.02	36.36	36.18	36.69
8	100	50	23.97	20.96	25.02	36.36	36.17	36.68
11	100	50	23.61	21.09	25.02	36.42	36.17	36.7
12	100	50	24.26	21.09	25.01	36.33	36.17	36.7
13	100	50	23.93	21.03	25.02	36.36	36.17	36.7
14	100	50	24.02	20.63	25.02	36.35	36.17	36.7
15	100	50	23.77	20.63	25.02	36.36	36.17	36.71
16	100	50	23.75	20.44	25.03	36.38	36.17	36.68
17	100	50	23.43	20.47	25.03	36.42	36.18	36.7
18	100	50	23.92	20.43	25.03	36.36	36.17	36.69
19	100	50	23.97	20.44	25.03	36.35	36.17	36.71

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	10	5	24.93	24.91	24.97	36.17	36.15	36.17
17	10	15	24.92	24.91	24.91	36.16	36.14	36.16
16	10	25	24.91	24.91	24.91	36.16	36.14	36.17
15	10	35	24.92	24.91	24.91	36.17	36.15	36.17
14	10	45	24.91	24.91	24.91	36.16	36.14	36.16
13	10	55	24.92	24.91	24.91	36.17	36.15	36.17
12	10	65	24.45	23.75	24.91	36.35	36.15	36.52
11	10	75	23.06	22.63	23.73	36.58	36.51	36.63
8	10	85	22.43	22.37	22.68	36.62	36.59	36.63
7	10	95	21.85	21.53	22.37	36.63	36.6	36.66
6	10	105	21.22	21.06	21.53	36.67	36.61	36.7
5	10	115	20.5	20.26	21.02	36.66	36.63	36.7
4	10	125	19.89	19.68	20.23	36.63	36.61	36.65
3	10	135	19.54	19.41	19.69	36.63	36.61	36.64
2	10	145	19.28	19.18	19.36	36.61	36.6	36.62
1	10	155	19.17	19.11	19.19	36.6	36.59	36.61

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	10	5	24.83	24.81	24.91	36.1	36.06	36.14
17	10	15	24.9	24.83	24.93	36.15	36.08	36.17
16	10	25	24.93	24.91	24.93	36.16	35.51	36.18
15	10	35	24.93	24.91	24.93	36.16	35.3	36.18
14	10	45	24.93	24.91	24.93	36.18	36.16	36.2
13	10	55	24.89	24.75	24.91	36.21	36.19	36.24
12	10	65	24.46	23.9	24.72	36.33	36.24	36.51
11	10	75	23.04	22.36	24.05	36.59	36.46	36.64
8	10	85	22.06	21.65	22.26	36.68	36.63	36.71
7	10	95	21.01	20.63	21.55	36.67	36.65	36.7
6	10	105	20.41	20.26	20.63	36.66	36.63	36.68
5	10	115	20.11	20.01	20.28	36.64	36.62	36.65
4	10	125	19.87	19.62	20.03	36.64	36.61	36.66
3	10	135	19.27	19.18	19.62	36.62	36.6	36.64
2	10	145	19.09	18.98	19.16	36.61	36.59	36.68
1	10	155	18.96	18.89	18.98	36.6	36.58	36.61

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	24.39	24.38	24.4	36.3	36.29	36.31
17	25	37.5	24.4	24.38	24.41	36.27	35.44	36.31
16	25	62.5	24.38	24.22	24.41	36.29	35.69	36.37
15	25	87.5	22.84	21.81	24.13	36.59	36.36	36.77
14	25	112.5	21.28	20.75	21.81	36.65	36.61	36.73
13	25	137.5	20.26	19.75	20.73	36.65	36.62	36.7
12	25	162.5	19.45	19.26	19.75	36.62	36.6	36.65
11	25	187.5	19.03	18.84	19.28	36.6	36.56	36.63
8	100	250	18.35	18.06	18.78	36.55	36.52	36.59
7	100	350	17.81	17.56	18.06	36.49	35.42	36.55
6	100	450	17.3	16.94	17.56	36.42	35.67	36.48
5	100	550	16.16	15.36	16.93	36.19	35.02	36.37
4	100	650	14.38	13.48	15.36	35.92	35.77	36.09
3	100	750	12.48	10.68	13.42	35.64	35.38	35.8
2	100	850	9.07	8.43	10.67	35.23	35.15	35.48
1	100	950	7.73	6.84	8.48	35.14	35.08	35.19

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	24.08	24.07	24.09	36.3	36.28	36.31
17	25	37.5	24.08	24.08	24.09	36.27	35.55	36.3
16	25	62.5	24.09	24.08	24.09	36.27	35.43	36.3
15	25	87.5	23.36	22.21	24.09	36.47	35.97	36.76
14	25	112.5	21.17	20.53	22.13	36.63	35.72	36.7
13	25	137.5	20.09	19.83	20.54	36.57	35.71	36.66
12	25	162.5	19.53	19.25	19.83	36.54	35.65	36.65
11	25	187.5	18.97	18.83	19.18	36.52	35.63	36.6
8	100	250	18.23	17.97	18.84	36.54	35.65	36.62
7	100	350	17.83	17.65	18	36.5	35.82	36.54
6	100	450	17.35	17.03	17.65	36.42	35.46	36.49
5	100	550	16.38	15.47	17.03	36.26	36.09	36.4
4	100	650	14.3	13.25	15.45	35.91	35.73	36.1
3	100	750	12.19	10.94	13.26	35.6	36.41	35.76
2	100	850	9.81	8.36	10.91	35.3	35.16	35.43
1	100	950	7.31	6.51	8.37	35.12	35.07	35.2

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	23.08	23.06	23.11	35.51	35.49	35.54
17	25	37.5	22.23	18.06	23.11	35.43	34.66	35.8
16	25	62.5	15.82	15.22	17.96	34.25	35.68	35.68
15	25	87.5	15.35	14.16	16.61	35.52	34.63	36.18
14	25	112.5	13.83	13.76	14.04	35.49	34.38	35.93
13	25	137.5	13.3	13.03	13.76	35.56	34.53	35.76
12	25	162.5	12.67	12.26	13.01	35.46	34.35	35.69
11	25	187.5	11.75	11.51	12.23	35.36	34.2	35.6
8	100	250	9.76	8.7	11.48	35.09	33.92	35.69
7	100	350	8.02	7.29	8.66	34.94	33.95	35.72
6	100	450	6.44	5.94	7.29	35.02	34.01	35.11
5	100	550	5.56	5.25	5.93	35.03	35	35.05
4	100	650	5.05	4.85	5.27	35.02	34.99	35.05
3	100	750	4.78	4.64	4.84	35.01	34.98	35.03
2	100	850	4.53	4.43	4.46	35	34.97	35.02
1	100	950	4.35	4.28	4.44	34.96	34.96	35

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	25	12.5	22.27	22.26	22.28	35.25	35.24	35.25
17	25	37.5	20.51	16.05	22.28	35.36	36.21	35.76
16	25	62.5	16.78	16.01	17.33	35.88	35.23	36.19
15	25	87.5	35.32	14.45	16.28	36	35.87	36.08
14	25	112.5	13.87	13.38	14.51	35.75	35.64	35.87
13	25	137.5	12.91	12.74	13.45	35.65	35.61	35.71
12	25	162.5	12.59	12.28	12.76	35.62	35.59	35.64
11	25	187.5	11.95	11.44	12.26	35.56	35.46	35.6
8	100	250	10.18	8.51	11.29	35.33	35.15	35.46
7	100	350	7.54	6.84	8.5	35.13	35.1	35.18
6	100	450	6.09	5.57	6.81	35.08	35.03	35.11
5	100	550	5.33	5.1	5.57	35.05	35.03	35.06
4	100	650	4.73	4.54	5.09	35.01	34.96	35.05
3	100	750	4.44	4.35	4.62	34.99	34.96	35.02
2	100	850	4.34	4.24	4.4	35	34.97	35.01
1	100	950	4.15	4.07	4.24	34.99	34.96	35

NET#	DEPTHI	MIDD	MEANT	MINT	MAXT	MEANS	MINS	MAXS
18	10	5	22.23	22.21	22.25	35.29	35.28	35.3
17	10	15	22.25	22.23	22.26	35.3	35.29	35.31
16	10	25	22.27	22.25	22.28	35.31	35.29	35.33
15	10	35	22.3	22.28	22.34	35.33	35.31	35.34
14	10	45	18.89	18.08	22.31	35.64	35.29	35.29
13	10	55	16.61	15.36	18.01	35.7	35.55	35.93
12	10	65	15.21	15.38	15.38	35.67	35.57	35.57
11	10	75	14.98	14.73	15.08	35.75	35.7	35.78
8	10	85	14.38	14.26	14.73	35.72	35.69	35.76
7	10	95	14.12	13.94	14.28	35.72	35.68	35.76
6	10	105	13.87	13.76	13.94	35.71	35.69	35.72
5	10	115	13.72	13.58	13.76	35.73	35.7	35.74
4	10	125	13.45	13.25	13.63	35.71	35.67	35.74
3	10	135	13.16	13.06	13.25	35.69	35.66	35.7
2	10	145	12.7	12.47	13.08	35.64	35.59	35.71
1	10	155	12.24	12.13	12.47	35.59	35.57	35.62

REPORT DOCUMENTATION PAGE	1. REPORT NO. WHOI-85-3	2.	3. Recipient's Accession No.
4. Title and Subtitle Zooplankton Biomass and Related MOCNESS Data for Tows Taken on the 1981-82 Warm-Core Rings Cruises			5. Report Date January 1985
7. Author(s) Valerie A. Barber and Peter H. Wiebe			8. Performing Organization Rept. No. WHOI-85-3
9. Performing Organization Name and Address Woods Hole Oceanographic Institution Woods Hole, Massachusetts 02543			10. Project/Task/Work Unit No.
			11. Contract(C) or Grant(G) No. (C) (G) OCE 80-17248
12. Sponsoring Organization Name and Address National Science Foundation			13. Type of Report & Period Covered Technical
			14.
15. Supplementary Notes This report should be cited as: Woods Hole Oceanog. Inst. Tech. Rept. WHOI-85-3.			
16. Abstract (Limit: 200 words) Compiled in this report are tables of zooplankton biomass data (displacement volume), carbon equivalents, and associated net tow data (volume filtered, depth, temperature, and salinity) collected with a Multiple Opening/Closing Net Environmental Sampling System (MOCNESS) during the warm-core ring cruises which took place between September 1981 and October 1982. Rings sampled were 81-D, 82-B, and 82-H. Also included are plots of two positions relative to ring center and plots of biomass and cumulative proportion of biomass versus depth. A total of 81 tows and 1220 samples were taken.			
17. Document Analysis a. Descriptors 1. warm-core rings 2. zooplankton biomass 3. Multiple Opening/Closing Net and Environmental Sensing System (MOCNESS) b. Identifiers/Open-Ended Terms c. COSATI Field/Group			
18. Availability Statement: Approved for publication; distribution unlimited.		19. Security Class (This Report) UNCLASSIFIED	21. No. of Pages 164
		20. Security Class (This Page)	22. Price

DOCUMENT LIBRARY

November 30, 1984

DISTRIBUTION LIST FOR TECHNICAL REPORT EXCHANGE

Institute of Marine Sciences Library
University of Alaska
O'Neill Building
905 Koyukuk Ave., North
Fairbanks, AK

Attn: Stella Sanchez-Wade
Documents Section
Scripps Institution of Oceanography
Library, Mail Code C-075C
La Jolla, CA 92093

Hancock Library of Biology & Oceanography
Alan Hancock Laboratory
University of Southern California
Los Angeles, CA 90007

Gifts & Exchanges
Library
Bedford Institute of Oceanography
P.O. Box 1006
Dartmouth, NS, B2Y 4A2, CANADA

Office of the International
Ice Patrol
c/o Coast Guard R & D Center
Avery Point
Groton, CT 06340

Library
Physical Oceanographic Laboratory
Nova University
8000 N. Ocean Drive
Dania, FL 33304

NOAA/EDIS Miami Library Center
4301 Rickenbacker Causeway
Miami, FL 33149

Library
Skidaway Institute of Oceanography
P.O. Box 13687
Savannah, GA 31416

Institute of Geophysics
University of Hawaii
Library Room 252
2525 Correa Road
Honolulu, HI 96822

Library
Chesapeake Bay Institute
4800 Atwell Road
Shady Side, MD 20876

MIT Libraries
Serial Journal Room 14E-210
Cambridge, MA 02139

Director, Ralph M. Parsons Laboratory
Room 48-311
MIT
Cambridge, MA 02139

Marine Resources Information Center
Bldg. E38-320
MIT
Cambridge, MA 02139

Library
Lamont-Doherty Geological Observatory
Columbia University
Palisades, NY 10964

Library
Serials Department
Oregon State University
Corvallis, OR 97331

Pell Marine Science Library
University of Rhode Island
Narragansett Bay Campus
Narragansett, RI 02882

Working Collection
Texas A&M University
Dept. of Oceanography
College Station, TX 77843

Library
Virginia Institute of Marine Science
Gloucester Point, VA 23062

Fisheries-Oceanography Library
151 Oceanography Teaching Bldg.
University of Washington
Seattle, WA 98195

Library
R.S.M.A.S.
University of Miami
4600 Rickenbacker Causeway
Miami, FL 33149