acrobenthos Data for N	orth Inlet Estuary LTER DATABASE		
ar Released to Public	2004		
tribution URL for file	http://links.baruch.sc.edu/data/accessfiles/Macrobenthic_Infauna_MACRO_0_5n	nm_20mm_1981_1992.zip	
TASET TITLE:	Long-Term Ecological Research (LTER) Macrobenthos Data for the North Inlet Es	stuary, Georgetown, South Carolina: 1981-1992	
ESTIGATOR INFORMATION :	Investigator 1	Investigator 2	Data Manager
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State	SC	SC	SC
Zip Code		29442	29442
Country	USA	USA	USA
HERS:			
ta Set Credit	Supported by the National Science Foundation, Long-Term Ecological Research Program (LTER), grants DEB 8012165 and BSR 8514326.		
ATA FILE INFORMATION:	The original metadata was created on 11/9/2004 by Ginger Ogburn-Matthews. Th original have not been updated as those locations and people may no longer be a If needed, the original may be accessed at: http://links.baruch.sc.edu/D The data manager identified on this page should be contacted for any questions a	available. ata/MACRO/metadata/LTERMACRO.1981-1992.FGDC.METADATA.j	
	Manual anthia lafawaa MAODO O France Oosara 4004 4000 air	1	
Data File Name	Macrobenthic_Infauna_MACRO0_5mm_20mm_1981_1992.zip		
Beginning Date	31-Jan-1981		
Number of Data Records	1706		
Number of Data Records			
SEARCH LOCATION:	Debidue Site (DD)	Bread and Butter Site(BB)	North Inlet Estuary
	sand bar. It is subject to strong current and wave action. Debordieu Colony, a large development partially built on man-made canals, drains into the northern portion of Debidue Creek.	This site is located on Bread and Butter Creek, about 600 meters upstream from its juncture with Town Creek, on a muddy subtidal bank. Bread and Butter Creek is a medium sized creek lined with mud banks and oyster bars. The sediment at the sampling site is fine, silty mud and the site is sheltered from strong current and wave action. At low tide the creek is approximately 10 meters wide at the sampling location. The creek is located about 1.5 kilometers southwest of the Debidue site.	The North Inlet Estuary is located on the southeastern coast of the United States, approximately 10 kilometers east of Georgetown, South Carolina. The North Inlet Estuary is a bar- built Class C type estuary (Pritchard, 1955). It is composed of numerous winding tidal creeks dominated by Spartina alterniflora and is considered a pristine tidal estuary due to minimal anthropogenic impacts. The watershed drains a 24.8 square kilometer area of mostly pine forest and a moderately developed residential watershed to the north. Sample sites were chosen due to their proximity to an existing long-term meiofauna sampling site.
mpling Site Map (photographs)			The ADAR 5500 infrared image was provided by the North Inlet–Winyah Bay National Estuarine
	View of Benthic Core Sites	View Benthic Core Sites	Research Reserve. Locations were plotted using
	http://links.baruch.sc.edu/Data/MACRO/images/macrobenthos.WEB.jpg	http://links.baruch.sc.edu/Data/MACRO/images/macrobenthos.WEB.jpg	GPS coordinates and ArcMap software. Image date 2000
cation Bounding Box			
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Longitude Elevation XONOMIC COVERAGE:	33.33361	33.3305	Image: sector

KEYWORD INFORMATION	
KEYWORD	S: ABUNDANCE, AIR TEMPERATURE, ANIMALS, BENTHOS, COASTAL, CORE, ECOSYSTEMS, ESTUARINE, ESTUARY LONG-TERM, LONG-TERM, ECOLO MACROBENTHOS, MARSH, MONITORING DATA ,OXIDATION, PHYSICAL DATA, REDUCTION, REDOX LAYER, SALINITY, SALT MARSH, SEDIMENT, SEDIMENT WATER INTERFACE, TAXA, TAXONOMIC CREEK, TIDE LEVEL, TIDE STAGE, WATER TEMPERATURE, ATLANTIC COAST, BREAD AND BUTTER CREEK, COASTAL, DEBIDUE CREEK, DEBORDIE COUNTY, HOBCAW BARONY, NORTH INLET, SOUTH CAROLINA, TOWN CREEK, WINYAH BAY, USA, BENTHIC, DAY, BIWEEKLY, FORTNIGHTLY, MON COLLECTION, CLASS, FMAILY, GENUS
ABSTRACT:	Samples were taken from two estuarine tidal creek stations (designated BB and DD) in the North Inlet Estuary, SC. Two large cores, with a sediment surface are centimeters, were collected from each of the two sites from 1981-1985. For most of this period, cores were processed in separate 5 centimeter increments for th Throughout the remainder of the study (1985-1992), eight smaller cores were collected from the BB site only in an effort to increase sampling accuracy. Although the total surface area of sediment sampled remained similar. The smaller cores had a surface area of 18.1 square centimeters and a depth of 5 centimeters. Con midday low tide, on the same day as almost all other LTER FAUNA samples, except when water levels were prohibitively high. Macrobenthic animals (defined her mesh screen) were identified to the lowest practical taxa. All dominant polychaetes were identified to species. Counts per core were converted to numbers per set for core depth (to 5 centimeters) where necessary. Physical data including tide level, surface water temperature, air temperature, temperature of the sediment/was observed depth of the reduction/oxidation layer were recorded at the same time as the macrobenthic collections.
METHODS:	Field Collection Proceedures and Protocols (Overall Field Collection Protocol) Low cores, from each of the two sample sites, were collected from 1901-1905 and eight cores, from the BR alls only, were collected throughout the remained 1992). Cores were later werey two weeks during the midding four like, on the same day and other 1178 RAUMA samples. Cocasionally weather conditions (j) burring most of the first our years of the study, 200 carlinate term (Pp) per with 10 3 centimater sored burrenet associations, wears association wears of BR3 square entimeters. Core were laken to a depth of 15 centimaters to non-pipe with 10 settimater inside darged are associations were collected in the core size and number of registrates sharped at the Reveal and Rolt results. Units that the core size and number of registrates changed at the Reveal and Rolt results. Due the total subcreates area of statement or 4.8 cent supported and the core size and number of registrates changed at the Reveal and Rolt results. Units that the core size and number of registrates changed at the Reveal and Rolt results to the solutions of 0.4 cent supported and in the core size and head deglinh. This technique wears that and introduces area of statement of results and introduces and statements. Eight cores were collected, as opposed to 2.1 in an effort to increase samples cores were only taken to a depth of 5 centimeters to the results 0.5 contimeters. The docarded to the sample vas at the correct level 4. depth results in the corring device and the state statematic to the contine to the sample was at the correct level 4. depth results in the corring device and the state statematic into the number of registrates the social statematic and the correct level 4. So methylicits the social statematic the statematic in 1.1 Ling is as anylicity and the social statematic and the statematic statematic statematic and the statematic statematic statematic statematic and the statematic and the social statematic and the statematic statematic and the s

DLOGICAL RESEARCH, LTER	MACROBENTHIC.	
MIC, TAXONOMY, TEMPERA DIEU COLONY, EAST COAST IONTH, YEAR, ANIMALS, BEN	TURE, TIDAL ⁻ , GEORGETOWN	
area of 83.3 square centimeter r the top, middle, and bottom po ugh the core size and number of Cores were collected every two d here as those animals retaine r square meter of surface sedin t/water interface, surface water	ortions of the core. of replicates changed, o weeks during the d on a 0.5 millimeter nent and standardized	
inder of the study (1985- s (generally north and east tide.		
used to collect sediment core le Debidue site was lilar to previous years. The		
entimeters. The resulting ling accuracy. In addition,		
they never overlapped and , the technician would core r end to facilitate core el, so that the desired core of the core was tossed out ing device was retained to		
y were preserved in 10		
sfully and the core was 74-99), cores were taken to aken to a depth of 5		
proof Field Notebooks. The from the average low tide. to the water level at mean rture below (lower than) the temperature. Is used to determine the echnician. The redox layer		
Rose Bengal, immediately samples were preserved in until they were processed. as rinsed from the inside of) until no more sediment or and concentrate the washed into a beaker. From e sample was carefully rinsed etri dishes and the animals mined for animals using 6x found on the last recent pure ethanol (not nber.		
fied to the lowest possible isms were identified to I in the final, published ontaining the ilts for each sample		
ater + alvcerin, 15:5:1 bv		
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	volume). Each shell vial contains a label detailing the sample date, station, replic	cate, jar (vial) number, and identity of the animals. The iar (vial) n	numbers correspond to those listed on		
	the Counting Sheets, and therefore, the Counting Sheets can be used to trace sp storage jars and maintained in the archive sample room at the Baruch Marine Fi more information on the archival of raw data sheets, see the Process section.	pecimens for recounting or identification purposes. The shell vials			
	Example jar label: 04/18/1981 D1 Top #4 <i>Spiophanes bombyx</i> contains all <i>Spiopl</i> sediment, and was the fourth jar in that replicate.	hanes bombyx found at the Debidue station, on 04/18/1981, repl	licate 1, in the top 5 centimeters of		
	Beginning in May of 1986 and for an entire year, researchers collected three add these macrobenthic samples. These cores were processed in the same manner a in fresh water and then placed in pre-weighed and oven-dried aluminum pans. I desiccator, and weighed. They were then placed back into the oven for an addit milligrams) was attained. These data were used to track monthly changes in the Species level biomass data were also obtained seasonally for abundant taxa and preserved animals were identified and placed into species-specific size classes b 	as described above, however the preserved animals sieved out of These pans were oven-dried at 60 degrees Celsius for 24 hours, co- tional 3 hours, cooled, and weighed again. This process was repea- e total biomass of an 18.1 square centimeter area. d over the entire year for less abundant taxa. Qualitative samples based on measurements of a specific body dimension (in ocular m re-weighed aluminum pans. These pans were also oven-dried at 60 an continued to dry, cool, and weigh until a constant weight (exp th was calculated for each size class. These biomass values were tl gth)/weight regression was then calculated for each species using biweekly samples simply by measuring the appropriate dimension ements: eter units at 12x magnification (some of the larger polychaetes we eter units at 12x magnification. tion. tion.	f the samples were rinsed thoroughly cooled for 15 minutes in the ated until a constant weight (in s were collected periodically and hicrometer units from the dissecting o0 degrees Celsius for 24 hours, cooled pressed in micrograms) was attained. then converted to non-preserved g natural log(In)-transformed data. h under the microscope.		
/ARIABLE DESCRIPTIONS: /ariable Name	Variable Description	Units	Measurement Scale		Number
/ariable Name	two letter code designation for the tidal marsh creek, within North Inlet Estuary, where the macrobenthic sample was collected. (BB = Bread and Butter site, DD =				Number Type
	two letter code designation for the tidal marsh creek, within North Inlet Estuary, where the macrobenthic sample was collected. (BB = Bread and Butter site, DD =		Measurement Scale		
ariable Name	two letter code designation for the tidal marsh creek, within North Inlet Estuary, where the macrobenthic sample was collected. (BB = Bread and Butter site, DD =			Information T	
ATE	two letter code designation for the tidal marsh creek, within North Inlet Estuary, where the macrobenthic sample was collected. (BB = Bread and Butter site, DD = Debidue site) date that the sample was collected (not necessarily processed or analyzed) in	BB, DD	nominal	Information T	<u>-vpe</u>
ATE	two letter code designation for the tidal marsh creek, within North Inlet Estuary, where the macrobenthic sample was collected. (BB = Bread and Butter site, DD = Debidue site) date that the sample was collected (not necessarily processed or analyzed) in mm/dd/yyyy format. the sample number, assigned in sequential order (in increments of 1), to the macrobenthic collection based on date. SAMTIME = the Eastern Standard Time	BB, DD 1-12, 1-31, 1981-1992	nominal datetime	Information T	Type
ariable Name TATION	two letter code designation for the tidal marsh creek, within North Inlet Estuary, where the macrobenthic sample was collected. (BB = Bread and Butter site, DD = Debidue site) date that the sample was collected (not necessarily processed or analyzed) in mm/dd/yyyy format. the sample number, assigned in sequential order (in increments of 1), to the macrobenthic collection based on date. SAMTIME = the Eastern Standard Time that the macrobenthic sample was collected in hhmm format the replicate number, assigned in sequential order (in increments of 1), to each replicate sample for each sample/date. the estimated tide level or stage (in meters). The value reported is the estimated departure from an average low tide at the time of sampling. A positive value indicates the estimated amount above (higher than) an average low tide water level and a negative value indicates the estimated amount below (lower than) the	BB, DD 1-12, 1-31, 1981-1992 1 - 274	nominal datetime ordinal	Information T Information I In	Type

AIRTEMP	air temperature taken in the shade with a hand-held thermometer, measured in degrees Celsius.	degrees Celsius	ratio	real
SEDWATER	temperature of the sediment / water interface measured with a hand-held thermometer in degrees Celsius.	degrees Celsius	ratio	real
SSAL	salinity of the surface waters over the sample location, reported in parts per thousand.	micromolePerLiter	ratio	real
REDOX	depth, in centimeters, at which the reduction/oxidation layer was observed below the surface sediments. Measurements are reported from 0 to 10 centimeters. All values of 10 centimeters or greater are reported in the database as 10, and are considered anomalous because they are not true values.	centimeter	ratio	integer
	surface sediment area, in square centimeters, sampled by the coring device.			
COREAREA		gramPerLiter	ratio	integer
COREDIAM	the inside diameter, in centimeters, of the coring device.	partPerThousand	ratio	integer
SEDVOL	the volume, in cubic centimeters, of the sediment core sample used for count data in the final database, not necessarily the volume of the total core collected. Calculated from the core area (COREAREA) and core depth (COREDEP).	9 – 1700 cubic centimeters	ratio	integer
	the depth, in centimeters, of the sediment core sample used to calculate the number of individuals per square meter for the final database, not necessarily the depth of the total core collected. Earlier protocols called for sample cores to be collected to a depth of 15 centimeters and either processed whole or sectioned into 5 centimeter top, middle, and bottom portions. Sectioning was sometimes impossible. Later protocol (beginning 01/18/1985 through the end of the database) called for only a 5 centimeter deep core. Results from cores that were processed in sections greater than 5 centimeters deep had to be converted for easy comparison to the later data in the final database. If the depth listed in the final database is greater than 5 centimeters (10 or 15 centimeters), the counts were converted estimates for the 5 centimeter top section of the sample core (see			
COREDEP		5 – 15 centimeters	ratio	integer
COLLECT	the initials of the technician who collected (not necessarily processed) the benthic samples. (UNIDCAPI) = Unidentified Capitellidae: number of individuals in the family Capitellidae that were not identified as Heteromastus filiformis, Mediomastus	PM,CR,LB,SKS,DMA,GO,SS,GOM,RW	nominal	
UNIDCAPIT		0.0 – 4419.9 number per square meter	ratio	real
ΤΟΤCAPIT	Total Capitellidae = UNIDCAPIT + MEDIAMBI + HETEFILI + CAPITCAPI, total number of individuals in the family Capitellidae.	0.0 – 43093.9 number per square meter	ratio	real
MEDIAMBI	Mediomastus ambiseta: number of individuals identified as Mediomastus ambiseta. Includes animals that were originally identified incorrectly as Capitella capitata in samples 1-146.	0.0 – 42541.4 number per square meter	ratio	real
HETEFILI	Heteromastus filiformis: number of individuals identified as Heteromastus filiformis.	0.0 – 4096.4 number per square meter	ratio	real
CAPITCAPI	Capitella capitata: number of individuals identified as Capitella capitata. Does not include Mediomastus ambiseta individuals that were originally identified incorrectly as Capitella capitata in samples 1-146.	, 0.0 – 1105.0 number per square meter	ratio	real
UNIDCIRRA	(UNIDCIRR) = Unidentified Cirratulidae: number of individuals in the family Cirratulidae that were not identified as species in the Caulleriella or Tharyx genus.	0.0 – 28588.2 number per square meter	ratio	real
TOTCIRRA	Total Cirratulidae: UNIDCIRR + CAULLESP + THARYXSP, total number of individuals in the family Cirratulidae	0.0 – 35911.6 number per square meter	ratio	real
CAULLESP	Caulleriella species: number of individuals identified as a species (most likely the juvenile Caulleriella killariensis) in the Caulleriella genus.	0.0 – 35359.1 number per square meter	ratio	real

	(UNIDGLYC) = Unidentified Glycera: number of individuals in the genus Glycera,			
	none of which were identified to the species level. Unidentified Glycera were the only members of the Glyceridae family collected. As a result, the Total Glyceridae			
UNIDGLYCE	values are equal to the Unidentified Glycera (UNIDGLYC) values.	0.0 – 2762.4 number per square meter	ratio	real
	Total Glyceridae: Total number of individuals in the family Glyceridae, all of these individuals were members of the Glycera genus and were not identified to the			
TOTGLYCE	species level. As a result, the Unidentified Glycera (UNIDGLYC) values are equal to the Total Glyceridae values.	0.0 – 2762.4 number per square meter	ratio	real
	Total Goniadidae: Total number of individuals in the family Goniadidae, none of these were identified to the genus or species level. The 2004 Data Manager			
	removed the Unidentified Goniadidae (UNIDGONI) parameter because it was			
TOTGONIA	identical to the Total Goniadidae parameter.	0.0 – 1657.5 number per square meter	ratio	real
	(UNIDLUMB) = Unidentified Lumbrineridae: number of individuals in the family Lumbrineridae that were not identified as Lumbrineris tenuis or the other			
UNIDLUMBR	Lumbrineris species.	0.0 – 2530.1 number per square meter	ratio	real
	Total Lumbrineridae: UNIDLUMBR + LUMBRTENU + LUMBRSP01, total number			
TOTLUMBR	of individuals in the family Lumbrineridae.	0.0 – 4972.4 number per square meter	ratio	real
LUMBRTENU	Lumbrineris tenuis: number of individuals identified as Lumbrineris tenuis.	0.0 – 4972.4 number per square meter	ratio	real
	Lumbrineris species number 1: number of individuals identified as a species			
LUMBRSP01	(other than Lumbrineris tenuis) in the Lumbrineris genus.	0.0 – 3867.4 number per square meter	ratio	real
	$(1 N D M \land C E) = 1$ indeptified Magalanidae: number of individuals in the family			
	(UNIDMAGE) = Unidentified Magelonidae: number of individuals in the family Magelonidae that were not identified as Magelona phyllisae or the other			
UNIDMAGEL	Magelonidae species.	0.0 – 552.5 number per square meter	ratio	real
	Total Magelonidae: UNIDMAGEL + MAGELPHYL + MAGELSP01, total number of			
TOTMAGEL	individuals in the family Magelonidae.	0.0 – 1105.0 number per square meter	ratio	real
MAGELPHYL	(MAGEPHYL) = Magelona phyllisae: number of individuals identified as Magelona phyllisae.	0.0 – 1105.0 number per square meter	ratio	real
	(MAGESP01) = Magelonidae species number 1: number of individuals identified			
MAGELSP01	as a species (other than Magelona phyllisae) in the Magelonidae family.	0.0 – 552.5 number per square meter	ratio	real
	(UNIDNERE) - Unidentified Nereididee: number of individuals in the family			
	(UNIDNERE) = Unidentified Nereididae: number of individuals in the family Nereididae that were not identified as Nereis succinea or the other Nereididae			
UNIDNEREI	species (after sample #111).	0.0 – 2306.0 number per square meter	ratio	real
	Total Nereididae: UNIDNEREI + NEREISUCC + NEREISP01, total number of			
TOTNEREI	individuals in the family Nereididae.	0.0 – 6077.4 number per square meter	ratio	real
	(NERESUCC) = Nereis succinea: number of individuals identified as Nereis succinea. According to the Integrated Taxonomic Information System on-line			
	database (http://www.itis.usda.gov), as retrieved on 07/16/04, this species name is no longer valid. The correct name is: Neanthes succinea (it is classified as a			
NEREISUCC	member of the Neanthes genus).	0.0 – 6077.4 number per square meter	ratio	real
	(NERESP01) = Nereididae species number 1: number of individuals identified as			
	a species (other than Nereis succinea) in the Nereididae family. In samples 112- 274 this is most likely a member of the Nereis genus, this category was not used			
NEREISP01	before sample 112 and these individuals would have been lumped in with the	0.0 – 552.5 number per square meter	ratio	real
				1501
	(UNIDORBI) = Unidentified Orbiniidae: number of individuals in the family Orbiniidae that were not identified as Haploscoloplos robustus or the other			
UNIDORBIN	Orbiniidae species (after sample #111).	0.0 – 6629.8 number per square meter	ratio	real
	Total Orbiniidae: UNIDORBIN + HAPLROBU + ORBINSP01, total number of			
TOTORBIN	individuals in the family Orbiniidae.	0.0 – 13812.2 number per square meter	ratio	real
HAPLROBU	Haploscoloplos robustus: number of individuals identified as Haploscoloplos robustus.	0.0 – 7734.8 number per square meter	ratio	real

		1		
	(ORBISP01) = Orbiniidae species number 1: number of individuals identified as a			
	species (other than Haploscoloplos robustus) in the Orbiniidae family. In samples 112-274, this is a member of the Haploscoloplos genus, this category was not			
	used before sample 112 and these individuals would have been lumped in with			
ORBINSP01	the UNIDORBIN.	0.0 – 13812.2 number per square meter	ratio	real
	(UNIDPHYL) = Unidentified Phyllodocidae: number of individuals in the family			
UNIDPHYLL	Phyllodocidae that were not identified as Eteone heteropoda or the other Phyllodocidae species.	0.0 – 1657.5 number per square meter	ratio	real
	Total Phyllodocidae: UNIDPHYLL + ETEOHETE + PHYLLSP01, total number of			
TOTPHYLL	individuals in the family Phyllodocidae.	0.0 – 9392.3 number per square meter	ratio	real
ETEOHETE	Eteone heteropoda: number of individuals identified as Eteone heteropoda.	0.0 – 9392.3 number per square meter	ratio	real
	Etono notoropoda: nambor or individuale taonanoù de Etonio notoropoda.			
	(PHYLSP01) = Phyllodocidae species number 1: number of individuals identified			
	as a species (other than Eteone heteropoda) in the Phyllodocidae family. In samples 190-274 this is a member of the Phyllodoce genus, prior to these			
PHYLLSP01	samples it is uncertain.	0.0 – 1105.0 number per square met	ratio	real
	(UNIDSPIO) = Unidentified Spionidae: number of individuals in the family			
	Spionidae that were not identified as Paraprionospio pinnata, Prionospio cirrifera, Prionospio cirrobranchiata, Spiophanes bombyx, Streblospio benedicti, either of			
UNIDSPION	the Polydora species, or the other Spionidae species.	0.0 – 3314.9 number per square meter	ratio	real
	Total Spionidae: UNIDSPION + SPIONSP01 + PARAPINN + POLYDSP01 + POLYDSP02 + PRICIRRI + PRICIRRO + SPIOBOMB + STREBENE, total			
TOTSPION	number of individuals in the family Spionidae.	0.0 – 26519.3 number per square meter	ratio	real
	(SPIONSPA) ((SPIONIDAE SP. A)) = Spionidae species number 1: number of			
SPIONSP01	individuals identified as a species (other than those listed below) in the Spionidae family.	0.0 – 602.4 number per square meter	ratio	real
	Paraprionospio pinnata: number of individuals identified as Paraprionospio			
PARAPINN	pinnata.	0.0 – 2209.9 number per square meter	ratio	real
	(POLYDSPI) = Polydora species number 1: number of individuals identified as a species in the Polydora genus. Possibly a different growth stage of the same			
POLYDSP01	species as POLYDSP02 (unidentified polydorid).	0.0 – 552.5 number per square meter	ratio	real
	Prionospio cirrifera: number of individuals identified as Prionospio cirrifera. According to the Integrated Taxonomic Information System on-line database			
	(http://www.itis.usda.gov), as retrieved on 06/18/04, this species name is no			
PRICIRRI	longer valid. The correct name is: Minuspio cirrifera	0.0 – 9944.8 number per square meter	ratio	real
	Prionospio cirrobranchiata: number of individuals identified as Prionospio			
	cirrobranchiata. According to the Integrated Taxonomic Information System on-			
PRICIRRO	line database (http://www.itis.usda.gov), as retrieved on 06/18/04, this species name is no longer valid. The correct name is: Minuspio cirrobranchiata	0.0 – 4972.4 number per square meter	ratio	real
SPIOBOMB	Spiophanes bombyx: number of individuals identified as Spiophanes bombyx.	0.0 – 4216.9 number per square meter	ratio	real
STREBENE	Streblospio benedicti: number of individuals identified as Streblospio benedicti.	0.0 – 26519.3 number per square meter	ratio	real
	Unidentified Syllidae: number of individuals in the family Syllidae that were not			
UNIDSYLLI	identified as Syllidae species number 1.	0.0 – 8839.8 number per square meter	ratio	real
TOTSYLLI	Total Syllidae: UNIDSYLLI + SYLLISP01, total number of individuals in the family Syllidae.	0.0 – 8839.8 number per square meter	ratio	real
	(SVI I SP01) - Sullidae encoire number 1: number of individuals identified as a			
SYLLISP01	(SYLLSP01) = Syllidae species number 1: number of individuals identified as a species in the Syllidae family.	0.0 – 552.5 number per square meter	ratio	real

	(POLYSP01) = Polychaete species number 1: number of individuals identified as a species in the class Polychaeta. In samples 141-274 this species is Armandia			
POLYCSP01	maculata from the family Ophellidae, prior to these samples it is uncertain.	0.0 – 15469.6 number per square meter	ratio	real
	(UNIDPOLY) = Unidentified Polychaetes: number of individuals in the class			
	Polychaeta that were not identified by subclass, order, family, species, OR otherwise categorized (POLYCSP01, POLYDSP01, and POLYDSO02, etc.)			
	Note: any families (and their associated species) identified on old data sheets (old	d		
	format) from samples 1-111 that were not identified in the new format were lumped under this category. Species of polychaetes no longer identified in the			
	new format, but whose families are (Cirratulidae, Glyceridae, Goniadidae, Lumbrineridae, Nereidae, Orbinidae, Spionidae, Magelonidae, Phyllodocidae,			
	Syllidae, and Capitellidae), were lumped into the "unidentified" category of their			
UNIDPOLYC	respective families.	0.0 – 3867.4 number per square meter	ratio	real
	Total Polychaetes: TOTCAPIT + TOTCIRRA + TOTGLYCE + TOTGONIA + TOTLUMBR + TOTMAGEL + TOTNEREI + TOTORBIN + TOTPHYLL +			
TOTPOLYC	TOTSPION + TOTSYLLI + POLYCSP01 + UNIDPOLYC, total number of individuals in the class Polychaeta.	0.0 75129.1 number per equere meter	rotio	real
		0.0 – 75138.1 number per square meter	ratio	real
	Total number of polychaete species identified in the sample. It appears that, from 01/20/1981 through 12/19/1983, only species that were identified to the species			
	level were included in this count. For the remainder of the database, this value is			
	a count of all unique species in the sample, whether they were identified to species level or not.			
	As a result, data for this parameter are not consistent and should not be used to compare between these time frames. Users should consult the raw data sheets			
TOTSPECI	(RAW.ARCHIVE CDs) for detailed information on sample composition.	0 – 16 number per sample	ratio	integer
TOTFAMIL	Total number of polychaete families identified in the sample.	0 – 14 number per sample	ratio	integer
AMPHIPOD	Amphinado, Number of individuals in the order Amphinado			real sector
AMPHIPOD	Amphipods: Number of individuals in the order Amphipoda.	0.0 – 8839.8 number per square meter	ratio	real
TOTSHRIMPS	(TSHRIMPS) = Total Shrimps: number of individuals identified as shrimps.	0.0 – 2209.9 number per square meter	ratio	real
CUMACEAN	Cumaceans: Number of individuals in the order Cumacea.	0.0 – 1657.5 number per square meter	ratio	real
ISOPODS	Isopods: number of individuals in the order Isopoda.	0.0 – 2762.4 number per square meter	ratio	real
	Unidentified Crustaceans: number of individuals in the subphylum Crustacea that			
UNIDCRUS	were not identified as Amphipods, Shrimps, Cumaceans, or Isopods.	0.0 – 2762.4 number per square meter	ratio	real
	Total Crustaceans: AMPHIPOD + TOTSHRIMPS + CUMACEAN + ISOPODS +			
TOTCRUST	UNIDCRUS, total number of individuals in the subphylum Crustacea.	0.0 – 8839.8 number per square meter	ratio	real
TOTBIVAL	Total Bivalves: number of individuals in the class Bivalvia.	0.0 – 29281.8 number per square meter	ratio	real
UNIDNEME	Unidentified Nemerteans: number of individuals in the phylum Nemertea.	0.0 – 43093.9 number per square meter	ratio	real
OLIGOCHA	Oligochaetes: number of individuals in the subclass Oligochaeta.	0.0 – 43093.9 number per square meter	ratio	real
SIPUNCUL	Sipunculids: number of individuals in the family Sipunculidae.	0.0 – 2209.9 number per square meter	ratio	real
SHELGAST	Shelled Gastropods: number of individuals identified as shelled gastropods.	0.0 – 5524.9 number per square meter	ratio	real
UNIDMISC	Unidentified Miscellaneous: number of unidentified animals that don't fit under an other category.	y 0.0 – 31491.7 number per square meter	ratio	real
	Total Miscellaneous: SHELGAST + UNIDMISC, total number of shelled			
TOTMISCE	gastropods and unidentified miscellaneous animals	0.0 – 31491.7 number per square meter	ratio	real

	(TOTUNORG) = Total Unidentified Organisms: number of organisms not identified to the species level. Includes all non-Polychaete organisms, Polychaetes that were not identified by family or genus (UNIDPOLYC), and Polychaetes that were identified by family or genus, but classified as unidentified within that group (e.g. UNIDSPION). This count can be found on the raw Data Entry Sheets (.JPG images archived on the MACRO RAW.ARCHIVE CDs and hardcopies on site at the Baruch Marine Field Lab). Data for this parameter are not consistent due to changes in identification methodology. In the early years of the study (01/20/1981 – 06/28/1985) all organisms were identified to species level if at all possible. In the later years (07/15/1985 – 01/31/1992), only dominant species were identified to species. As a result, these data vary greatly and should			
TOTUNIDORG	not be used to compare between these time frames. (TALLORGA) = Total All Organisms: TOTPOLYC + TOTCRUST + TOTBIVAL + UNIDNEME + OLIGOCHA + SIPUNCUL + TOTMISCE, number of organisms counted and recorded for the sample core.	0.0 – 58011.1 number per square meter 91.7 – 98342.5 number per square meter	ratio	real
POLYDSP02	(POLYSPII) = Polydora species number 2: number of individuals identified as a second species in the Polydora genus. Possibly a different growth stage of the same species as POLYDSP01 (unidentified polydorid).	0.0 – 552.5 number per square meter	ratio	real