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The Creation of a Computerized Benthic
Invertebrate Life History File

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Introduction

Knowledge of the life histories of benthic invertebrate species has been and is becoming increasingly important to scientists and environmental managers. This information can be used at the individual species level or at the community level.

At the species level, knowledge of habitat or environmental, and food requirements is always necessary to establish and maintain a laboratory culture for behavioral studies, toxicity bioassays or other similar uses. Reproductive and life span information can be invaluable in choosing a suitable experimental organism for these types of studies. The life habits data for a species can also provide an indication of which species are most likely to be impacted by various pollution stresses, i.e., those with planktonic larval stages or sessile, unprotected sediment surface dwellers would be more susceptible to waste dumping stress than those species which brood their young or live in tubes. A knowledge of the trophic relationships of an invertebrate species with commercially valuable fish or crustaceans can also be very useful to those interested in fisheries.

At the community level, life history information is particularly useful for environmental impact statements, habitat characterizations, and monitoring studies. In these cases, one would most often want to know if known pollution "indicator species" are present, and what the trophic structure or predominant life history modes of the community are. In studies done over a period of time, changes in the trophic structure of a benthic macrofaunal community reflect changes in energy flow within the community, i.e., an increase in deposit feeders might indicate an increase in organic-rich deposition to the area.

Changes in life history modes from k to r strategies (McCall 1977) can explain changes in community structure and provide evidence for environmental alteration. Perhaps most important, knowledge of the life histories of individual species is essential for determining natural population fluctuations or trends as opposed to changes caused by pollution stress.

Because of this need for communication of life history information, we have decided to computerize our existing data to permit rapid on-line retrieval of information, fast updating and integration with other computerized benthic survey data.

Methods

A project of collecting and summarizing benthic invertebrate life history data from the available literature, personal communications and from Sandy Hook Laboratory benthic collections has been ongoing for the past few years. When the decision was made to computerize these data, we designed a format into which individual species information could be entered. This format is organized in categories (files) (which can be expanded) which we feel would be most informative to the user (see Attachment A). The data are stored on the ADP Network System and can be accessed through on-line terminals. Through the use of interactive commands, users may obtain a complete listing of life history characteristics for all species in the file or a listing for an individual species. By using the available 1022 System, the file may be searched and information of specific interest easily extracted. Output can also be routed to the Sandy Hook high speed printer and mailed to the user. To date, the file contains information on 58 species dominant in the New York Bight apex (Caracciolo and Steimle in press). We will continue to add new species, based on identified needs and priorities, and to update information on the species already in the file. A new published version of the life history file will be available July 1 of every year, upon request.

Results

Following in Attachment B are complete listings of all life history characteristics for the 58 species currently available in the file.

Literature Cited

- Caracciolo, J. V. and F. W. Steimle, Jr. An atlas of the distribution and abundance of dominant benthic invertebrates in the New York Bight apex with reviews of their life histories. In press, NOAA Tech. Rep. Series.
- McCall, P. L. 1977. Community patterns and adaptive strategies of the infaunal benthos of Long Island Sound. J. Mar. Res. 35(2):221-266.

Attachment A

FILE DESCRIPTIONS

SIZE: MEASUREMENTS REPORTED ARE:

MAXIMUM RECORDED ADULT LENGTH FOR ANTHOZOA, GASTROPODA, BIVALVIA, ANNELIDA, ISOPODA, AMPHIPODA, MYSIDACEA, DECAPODA (SHRIMP)

MAXIMUM CARAPACE WIDTH FOR DECAPODA (CRABS)

MAXIMUM DISC DIAMETER FOR ECHINOIDEA (SAND DOLLARS, SEA URCHINS), ASTEROIDEA, OPHIUROIDEA

- 1 APPROXIMATELY 5MM
- 2 APPROXIMATELY 10MM
- 3 APPROXIMATELY 15MM
- 4 APPROXIMATELY 20MM
- 5 APPROXIMATELY 25MM
- 6 APPROXIMATELY 50MM
- 7 APPROXIMATELY 75MM
- 8 APPROXIMATELY 100MM
- 9 APPROXIMATELY 125MM
- 10 APPROXIMATELY 150MM
- 11 APPROXIMATELY 175MM
- 12 APPROXIMATELY 200MM
- 13 APPROXIMATELY 225MM
- 14 APPROXIMATELY 250MM
- 15 APPROXIMATELY 275MM
- 16 APPROXIMATELY 300MM
- 17 APPROXIMATELY 325MM
- 18 APPROXIMATELY 350MM
- 19 APPROXIMATELY 375MM
- 20 APPROXIMATELY 400MM
- 21 APPROXIMATELY 425MM
- 22 APPROXIMATELY 450MM
- 23 APPROXIMATELY 475MM
- 24 APPROXIMATELY 500MM
- 25 APPROXIMATELY 525MM
- 26 APPROXIMATELY 550MM
- 27 APPROXIMATELY 575MM
- 28 APPROXIMATELY 600MM
- 29 APPROXIMATELY 625MM
- 30 APPROXIMATELY 650MM
- 31 APPROXIMATELY 675MM
- 32 APPROXIMATELY 700MM
- 33 APPROXIMATELY 725MM
- 34 APPROXIMATELY 750MM
- 35 APPROXIMATELY 775MM
- 36 APPROXIMATELY 800MM
- 37 APPROXIMATELY 825MM
- 38 APPROXIMATELY 850MM
- 39 APPROXIMATELY 875MM
- 40 APPROXIMATELY 900MM
- 41 APPROXIMATELY 925MM
- 42 APPROXIMATELY 950MM
- 43 APPROXIMATELY 975MM
- 44 APPROXIMATELY 1M
- 45 >1M
- 46 NO INFO AVAILABLE

KNOWN ATLANTIC COAST DISTRIBUTION, BAY OF FUNDY TO FLORIDA:

- 1 BOREAL PROVINCE (BAY OF FUNDY TO CAPE COD)
- 2 VIRGINIAN PROVINCE (CAPE COD TO CAPE HATTERAS)
- 3 CAROLINIAN PROVINCE (SOUTH OF CAPE HATTERAS)
- 4 BOREAL AND VIRGINIAN PROVINCES (BAY OF FUNDY TO CAPE HATTERAS)
- 5 BOREAL + (A NORTH OR SOUTH EXTENSION OF THE BOREAL PROVINCE WHICH EXTENDS FROM THE BAY OF FUNDY TO CAPE COD)
- 6 VIRGINIAN+ (A NORTH OR SOUTH EXTENSION OF THE VIRGINIAN PROVINCE WHICH EXTENDS FROM CAPE COD TO CAPE HATTERAS)
- 7 BOREAL-VIRGINIAN + (NORTH/SOUTH EXTENSION OF BOREAL-VIRGINIAN PROVINCE WHICH EXTENDS BAY OF FUNDY-CAPE HATTERAS)
- 8 CAROLINIAN + (A NORTH OR SOUTH EXTENSION OF THE CAROLINIAN PROVINCE WHICH EXTENDS SOUTH OF CAPE HATTERAS)
- 9 ENTIRE ATLANTIC COAST FROM THE BAY OF FUNDY TO FLORIDA
- 10 NEW YORK BIGHT
- 11 NO INFORMATION AVAILABLE

ADULT LIFE STYLE:

- 1 FREE LIVING
- 2 TUBE DWELLER
- 3 MOTILE BURROW OR GALLERY DWELLER
- 4 ENCRUSTING
- 5 PARASITIC
- 6 BURROWER
- 7 SESSILE (ATTACHED)
- 8 PELAGIC
- 9 BORER
- 10 SEDIMENT SURFACE OR NEAR SURFACE DWELLER
- 11 UNKNOWN

RECORDED DEPTH RANGE:

- 1 SHALLOW DEPTHS TO APPROXIMATELY 25M
- 2 SHALLOW DEPTHS TO APPROXIMATELY 35M
- 3 SHALLOW DEPTHS TO APPROXIMATELY 50M
- 4 SHALLOW DEPTHS TO APPROXIMATELY 75M
- 5 SHALLOW DEPTHS TO APPROXIMATELY 100M
- 6 SHALLOW DEPTHS TO APPROXIMATELY 150M
- 7 SHALLOW DEPTHS TO APPROXIMATELY 200M
- 8 SHALLOW DEPTHS TO APPROXIMATELY 250M
- 9 SHALLOW DEPTHS TO APPROXIMATELY 500M
- 10 SHALLOW DEPTHS TO APPROXIMATELY 750M
- 11 SHALLOW DEPTHS TO APPROXIMATELY 1000M
- 12 SHALLOW DEPTHS TO APPROXIMATELY 2000M
- 13 SHALLOW DEPTHS TO APPROXIMATELY 3000M
- 14 SHALLOW DEPTHS TO APPROXIMATELY >3000M
- 15 NO INFORMATION AVAILABLE

MOST COMMONLY ASSOCIATED SEDIMENT GRAIN SIZE:

- 1 BOULDER
- 2 COBBLE
- 3 FEBBLE
- 4 GRANULE
- 5 VERY COARSE SAND
- 6 COARSE SAND
- 7 MEDIUM SAND
- 8 FINE SAND
- 9 VERY FINE SAND
- 10 COARSE SILT
- 11 MEDIUM SILT
- 12 FINE SILT
- 13 VERY FINE SILT
- 14 COARSE CLAY
- 15 MEDIUM CLAY
- 16 FINE CLAY
- 17 VERY FINE CLAY
- 18 VERY COARSE-COARSE SAND
- 19 COARSE-MEDIUM SAND
- 20 MEDIUM-FINE SAND
- 21 FINE-VERY FINE SAND
- 22 COARSE-MEDIUM SILT
- 23 FINE-VERY FINE SILT
- 24 FINE-VERY FINE SAND AND SILT
- 25 COARSE-MEDIUM-FINE SANDS
- 26 COARSE-MEDIUM-FINE SILTS
- 27 COARSE-MEDIUM-FINE SANDS AND COARSE-MEDIUM SILT
- 28 NO INFORMATION AVAILABLE

MOST COMMONLY ASSOCIATED SEDIMENT ORGANIC CONTENT:

- 1 HIGH (>5%)
- 2 MEDIUM (3-5%)
- 3 LOW (<3%)
- 4 MEDIUM TO HIGH (3->5%)
- 5 LOW (<3%) OR HIGH (>5%)
- 6 LOW TO MEDIUM (<3%-5%)
- 7 LOW, MEDIUM AND HIGH ORGANIC SEDIMENTS
- 8 NO INFORMATION AVAILABLE

ADULT FEEDING TYPE:

- 1 CARNIVORE
- 2 DEPOSIT FEEDER
- 3 SURFACE DEPOSIT FEEDER
- 4 SUSPENSION FEEDER
- 5 OMNIVORE
- 6 SCAVENGER
- 7 SUSPENSION/SURFACE DEPOSIT FEEDER
- 8 OMNIVORE/SURFACE DEPOSIT FEEDER
- 9 CARNIVORE/DEPOSIT FEEDER
- 10 SCAVENGER/SURFACE DEPOSIT FEEDER
- 11 SCAVENGER/CARNIVORE
- 12 DEPOSIT/SURFACE DEPOSIT FEEDER
- 13 OMNIVORE/SCAVENGER/SURFACE DEPOSIT FEEDER
- 14 OMNIVORE/SCAVENGER
- 15 OMNIVORE/DEPOSIT FEEDER
- 16 CARNIVORE/SURFACE DEPOSIT FEEDER
- 17 PARASITE
- 18 UNKNOWN

REPRODUCTIVE TYPE:

- 1 SEPARATE SEXES
- 2 TRANSFORMATION NONSEXUAL INTO MALE/FEMALE REPRODUCTIVE/EPITOKES, SWARMS AT SURFACE DURING SHEDDING OF EGGS & SPERM
- 3 HERMAPHRODITIC
- 4 ASEXUAL
- 5 ASEXUAL BUDDING OF MALE/FEMALE REPRODUCTIVE FORMS/EPITOKES, SWARMS AT SURFACE DURING SHEDDING OF EGGS&SPERM
- 6 SEPARATE SEXES/HERMAPHRODITIC
- 7 SEPARATE SEXES/ASEXUAL/HERMAPHRODITIC
- 8 SEPARATE SEXES/ASEXUAL
- 9 NO INFORMATION AVAILABLE

REPRODUCTIVE SEASON:

- 1 AUTUMN
- 2 WINTER
- 3 SPRING
- 4 SUMMER
- 5 AUTUMN/WINTER
- 6 AUTUMN/SPRING
- 7 AUTUMN/SUMMER
- 8 WINTER/SPRING
- 9 WINTER/SUMMER
- 10 SPRING/SUMMER
- 11 AUTUMN/WINTER/SPRING
- 12 AUTUMN/WINTER/SUMMER
- 13 AUTUMN/SPRING/SUMMER
- 14 WINTER/SPRING/SUMMER
- 15 ALL YEAR
- 16 NO INFORMATION AVAILABLE

EGG NUMBER PER FEMALE:

- 1 <10
- 2 <50
- 3 <100
- 4 <500
- 5 <1000
- 6 <5000
- 7 <10,000
- 8 <20,000
- 9 <100,000
- 10 <500,000
- 11 <1,000,000
- 12 >1,000,00
- 13 NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

- 1 BENTHIC LARVAE
- 2 PLANKTONIC LARVAE
- 3 POECILOGONY--ALTERNATING BENTHIC AND PLANKTONIC LARVAE
- 4 INITIAL BROODING OR PROTECTION OF EGGS FOLLOWED BY RELEASE INTO SEAWATER OF PLANKTONIC LARVAE.
- 5 INITIAL BROODING OR PROTECTION OF EGGS FOLLOWED BY RELEASE INTO SEAWATER OF BENTHIC LARVAE.
- 6 DIRECT DEVELOPMENT OF YOUNG IN BROOD CHAMBER OF FEMALE
- 7 INITIAL BROODING OR DIRECT LIBERATION OF EGGS INTO SEAWATER FOLLOWED BY DEVELOPMENT OF PLANKTONIC LARVAE.
- 8 INITIAL BROODING OF EGGS FOLLOWED BY RELEASE OF BENTHIC OR PLANKTONIC LARVAE
- 9 DIRECT DEVELOPMENT OF EXTERNALLY LAID EGGS (USUALLY IN PROTECTIVE SHELL OR CASE) INTO JUVENILE FORM.
- 10 DIRECT DEVELOPMENT OF YOUNG IN BODY OF FEMALE OR DIRECT DEVELOPMENT OF EXTERNALLY LAID EGGS INTO JUVENILE FORM.
- 11 FRAGMENTATION OF NEW INDIVIDUALS
- 12 VARIOUS MODES, DEPENDING ON SPECIES.
- 13 NO INFORMATION AVAILABLE

MAXIMUM RECORDED LIFE SPAN:

- 1 < 1 YEAR
- 2 APPROXIMATELY 1 YEARS
- 3 APPROXIMATELY 2 YEARS
- 4 APPROXIMATELY 3 YEARS
- 5 APPROXIMATELY 5 YEARS
- 6 APPROXIMATELY 10 YEARS
- 7 APPROXIMATELY 15 YEARS
- 8 APPROXIMATELY 20 YEARS
- 9 APPROXIMATELY 30 YEARS
- 10 APPROXIMATELY 40 YEARS
- 11 APPROXIMATELY 50 YEARS
- 12 APPROXIMATELY 60 YEARS
- 13 NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

- 1 HARVESTIBLE AS FOOD FOR MAN
- 2 SIGNIFICANT PREY FOR FISH AND/OR COMMERCIALY VALUABLE DECAPOD SPECIES
- 3 PREDATOR OF FISH EGGS OR JUVENILES
- 4 HARVESTIBLE AS FOOD FOR MAN AND SIGNIFICANT PREY FOR FISH AND/OR COMMERCIALY VALUABLE DECAPODS
- 5 FOOD OR HABITAT COMPETITOR OF VALUABLE SPECIES
- 6 PROVIDES HABITAT FOR LARVAL, JUVENILE OR ADULT STAGES OF VALUABLE SPECIES
- 7 NO INFORMATION AVAILABLE

ADDITIONAL INFORMATION:

- 1 R-STRATEGIST
- 2 K-STRATEGIST
- 3 I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)/N
- 4 DEMONSTRATED ANOXIA TOLERANCE
- 5 DEMONSTRATED ANOXIA INTOLERANCE
- 6 R-STRATEGIST WITH DEMONSTRATED ANOXIA TOLERANCE
- 7 R-STRATEGIST WITH DEMONSTRATED ANOXIA INTOLERANCE
- 8 K-STRATEGIST WITH DEMONSTRATED ANOXIA TOLERANCE
- 9 K-STRATEGIST WITH DEMONSTRATED ANOXIA INTOLERANCE
- 10 I-STRATEGIST WITH DEMONSTRATED ANOXIA TOLERANCE
- 11 I-STRATEGIST WITH DEMONSTRATED ANOXIA INTOLERANCE
- 12 NO INFORMATION AVAILABLE

SPECIES CURRENTLY IN LIFE HISTORY FILE

1	3759010101	EDWARDSIA ELEGANS
2	3759010102	EDWARDSIA SIPUNCULOIDES
3	3743010201	CERANTHEOPSIS AMERICANUS
4	7700010203	PHORONIS ARCHITECTA
5	5105080103	NASSARIUS TRIVITTATUS
6	5502020204	NUCULA PROXIMA
7	5515190110	ASTARTE CASTANEA
8	5515390101	ARCTICA ISLANDICA
9	5515220401	CERASTODERMA PINNULATUM
10	5515471201	PITAR MORRHUANUS
11	5515250102	SPISULA SOLIDISSIMA
12	5515310205	TELLINA AGILIS
13	5515290301	ENSIS DIRECTUS
14	5002050101	POLYGORDIUS TRIESTINUS
15	5001130108	PHYLLODOCE ARENAE
16	5001130205	ETEONE LONGA
17	5001020803	HARMOTHUE EXTENUATA
18	5001060303	STHENELAIS LIMICOLA
19	5001270105	GLYCERA DIPRANCHIATA
20	5001280301	GONIADELLA GRACILIS
21	5001250114	NEPHTYS BUCERA
22	500125011500	NEPHTYS INCISA
23	5001250117	NEPHTYS PICTA
24	5001250304	NEPHTYS (AGLAOPHAMUS) CIRCINATA
25	5001600101	CAPITELLA CAPITATA
26	5001600401	MEDIQASTUS AMBISETA
27	5001580404	TRAVISIA CARNEA1
28	5001430701	SPIO FILICORNIS1
29	5001430504	FRIONOSPIO STEENSTRUPI1
30	5001430411	POLYDORA LIGNII
31	5001431001	SPIOPHANES BOMBYXI
32	5001410301	PARAONIS GRACILIS1
33	5001410208	ARICIDEA CATHERINAE1
34	5001310301	LUMBRINERIDES ACUTA1
35	5001310102	LUMBRINERIS FRAGILIS1
36	5001310113	LUMBRINERIS TENUIS1
37	5001310204	NINDE NIGRIPES1
38	5001330103	BRILONEREIS LONGA1
39	5001440188	MAGELONA RIOJAI1
40	5001500305	THARYX ACUTUS1
41	5001500304	THARYX ANNULOSUS1
42	5001500204	CAULLERIELLA KILLARIENSIS1
43	5001520101	COSSURA LONGDCIRRATA1
44	5001670201	AMPHARETE ARCTICA1
45	5001670802	ASABELLIDES DCULATA1
46	5001540304	PHERUSA AFFINIS1
47	6162020701	EBOTEA TRILOBA1
48	6169020110	AMPELISCA VERRILLI1
49	6169150703	UNCIOLA IRRORATA1
50	6169150801	PSEUDUNCIDLA OBLIQUUA1
51	6169221201	PROTOHAUSTORIUS BEICHMANNAE1
52	6169221202	PROTOHAUSTORIUS WIGLEYI1
53	6169060702	LEPTOCHEIRUS PINGUIS1
54	6169420927	RHEFOXINIUS EPISTOMUS1
55	6153011508	NEOMYSIS AMERICANA1
56	6179220103	CRANGON SEPTEMSPINOSA1
57	6188030108	CANCER IRRORATUS1
58	8155020101	ECHINARACHNIUS PARMA1

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: *NEIDIODASTUS ANDISFTA*

MAXIMUM SIZE: APPROXIMATELY 50MM

ATLANTIC COAST DISTRIBUTION:

ENTIRE ATLANTIC COAST FROM THE BAY OF FUNDY TO FLORIDA

ADULT LIFE STYLE: BURROWER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 50M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: FINE-VERY FINE SAND AND SILT

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: HIGH (>5%)

ADULT FEEDING TYPE: DEPOSIT FEEDER

REPRODUCTIVE TYPE:

NO INFORMATION AVAILABLE

REPRODUCTIVE SEASON: NO INFORMATION AVAILABLE

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

NO INFORMATION AVAILABLE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

NO INFORMATION AVAILABLE

ADDITIONAL INFORMATION: R-STRATEGIST WITH DEMONSTRATED ANOXIA TOLERANCE

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

64, 102, 112, 118, 129, 166, 167, 234,

Attachment B

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: EDWARDSIA ELEGANS

MAXIMUM SIZE: APPROXIMATELY 150MP

ATLANTIC COAST DISTRIBUTION:
BOREAL AND VIRGINIAN PROVINCES (BAY OF FUNDY TO CAPE HATTERAS)

ADULT LIFE STYLE: BURROWER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 100M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: FINE-VERY FINE SAND AND SILT

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: HIGH (>5%)

ADULT FEEDING TYPE: SUSPENSION/SURFACE DEPOSIT FEEDER

REPRODUCTIVE TYPE:
SEPARATE SEXES/ASEXUAL/ZHERMAPHRODITIC

REPRODUCTIVE SEASON: NO INFORMATION AVAILABLE

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:
PLANKTONIC LARVAE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:
NO INFORMATION AVAILABLE

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 4217 FOR MORE INFORMATION.

9, 27, 102, 132, 177.

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: EDWARDSIA SIPUNCULOIDES

MAXIMUM SIZE: APPROXIMATELY 150MM

ATLANTIC COAST DISTRIBUTION:

BORNEAL AND VIRGINIAN PROVINCES (BAY OF FUNDY TO CAPE HATTERAS)

ADULT LIFE STYLE: BURROWER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 100M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: FINE-VERY FINE SAND AND SILT

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: HIGH (>5%)

ADULT FEEDING TYPE: SUSPENSION/SURFACE DEPOSIT FEEDER

REPRODUCTIVE TYPE:

SEPARATE SEXES/ASEXUAL/HERMAPHRODITIC

REPRODUCTIVE SEASON: NO INFORMATION AVAILABLE

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

PLANKTONIC LARVAE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

NO INFORMATION AVAILABLE

ADDITIONAL INFORMATION: I-ST-RATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

9, 27, 102, 132, 177.

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: CERATOPHOPSIS AMERICANUS

MAXIMUM SIZE: APPROXIMATELY 200MM

ATLANTIC COAST DISTRIBUTION:

VIRGINIAN + (A NORTH OR SOUTH EXTENSION OF THE VIRGINIAN PROVINCE WHICH EXTENDS FROM CAPE COD TO CAPE HATTERAS)

ADULT LIFE STYLE: TUBE DWELLER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 50M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: FINE-VERY FINE SAND AND SILT

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: HIGH (>5%)

ADULT FEEDING TYPE: SUSPENSION/SURFACE DEPOSIT FEEDER

REPRODUCTIVE TYPE:

HERMAPRODITIC

REPRODUCTIVE SEASON: NO INFORMATION AVAILABLE

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

PLANKTONIC LARVAL

MAXIMUM RECORDED LIFE SPAN: APPROXIMATELY 40 YEARS

VALUE TO FISHERIES:

NO INFORMATION AVAILABLE

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

9, 102, 132, 177, 204, 229, 279, 311, 316, 332,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: *PORCHIS ARCHITECTA*

MAXIMUM SIZE: APPROXIMATELY 50MM

ATLANTIC COAST DISTRIBUTION:

ENTIRE ATLANTIC COAST FROM THE BAY OF FUNDY TO FLORIDA

ADULT LIFE STYLE: TUBE DWELLER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 35M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: FINE-VERY FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: HIGH (>5%)

ADULT FEEDING TYPE: SUSPENSION FEEDER

REPRODUCTIVE TYPE:
HERMAPRODITIC

REPRODUCTIVE SEASON: ALL YEAR

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:
PLANKTONIC LARVAE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:
NO INFORMATION AVAILABLE

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

9, 25, 63, 77, 78, 102, 121, 134, 185, 260, 294,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: *BASSALUS TRIVITTATUS*

MAXIMUM SIZE: APPROXIMATELY 20MM

ATLANTIC COAST DISTRIBUTION:

ENTIRE ATLANTIC COAST FROM THE KEY LE FUMBY, IC FLORIDA

ADULT LIFE STYLE: SEEBENT SURFACE OR NEAR SURFACE DWELLER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 100M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: FINE-VERY FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOM (<3%)

ADULT FEEDING TYPE: SCAVENGER

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: AUTUMN/SPRING/SUMMER

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

PLANKTONIC LARVAE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

SIGNIFICANT PREY FOR FISH AND/OR COMMERCIALY VALUABLE DECAPOD SPECIES

ADDITIONAL INFORMATION: T-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD PIS 342 8217 FOR MORE INFORMATION.

1, 2, 46, 69, 92, 146, 197, 240, 241, 299.

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: *MOCHIA PROXIMA*

MAXIMUM SIZE: APPROXIMATELY 5MM

ATLANTIC COAST DISTRIBUTION:

ENTIRE ATLANTIC COAST FROM THE BAY OF FUNDY TO FLORIDA

ADULT LIFE STYLE: SEDIMENT SURFACE OR NEAR SURFACE DWELLER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 35M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: FINE-VERY FINE SAND AND SILT

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: HIGH (>5%)

ADULT FEEDING TYPE: SURFACE DEPOSIT FEEDER

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: NO INFORMATION AVAILABLE

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

PLANKTONIC LARVAE

MAXIMUM RECORDED LIFE SPAN: APPROXIMATELY 20 YEARS

VALUE TO FISHERIES:

SIGNIFICANT PREY FOR FISH AND/OR COMMERCIALY VALUABLE DECAPOD SPECIES

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

1, 2, 4, 5, 22, 37, 42, 69, 135, 146, 154, 167, 173, 191, 230, 231, 242, 293,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: ASTARIE CASTANEA

MAXIMUM SIZE: APPROXIMATELY 25MM

ATLANTIC COAST DISTRIBUTION:

NOVEL AND VIRGINIAN PROVINCES (BAY OF FUNDY TO CAPE HATTERAS)

ADULT LIFE STYLE: SEDIMENT SURFACE OR NEAR SURFACE DWELLER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 100M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: VERY COARSE-COARSE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: SUSPENSION FEEDER

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: ALL YEAR

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

PLANKTONIC LARVAE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

SIGNIFICANT PREY FOR FISH AND/OR COMMERCIALLY VALUABLE DECAPOD SPECIES

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

1, 2, 92, 102, 177, 223, 229, 302,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: *ARCTICA ISLANDICA*

MAXIMUM SIZE: APPROXIMATELY 125MM

ATLANTIC COAST DISTRIBUTION:

BOREAL AND VIRGINIAN PROVINCES (BAY OF FUNDY TO CAPE HATIERAS)

ADULT LIFE STYLE: SEDIMENT SURFACE OR NEAR SURFACE DWELLER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 35M

MOST COMMON, ASSOC. SEDIM. GRAIN SIZE: FINE-VERY FINE SAND

MOST COMMON, ASSOC. SEDIM. ORG. CONTENT: HIGH (>5%)

ADULT FEEDING TYPE: SUSPENSION FEEDER

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: AUTUMN/SPRING/SUMMER

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

PLANKTONIC LARVAE

MAXIMUM RECORDED LIFE SPAN: APPROXIMATELY 60 YEARS

VALUE TO FISHERIES:

HARVESTIBLE AS FOOD FOR MAN

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

2, 6, 151, 157, 174, 189, 205, 225, 226, 271, 272, 273, 281, 284, 289, 310, 334.

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: CERASTODERMA PINNULATUM

MAXIMUM SIZE: APPROXIMATELY 15MM

ATLANTIC COAST DISTRIBUTION:

BORCAL AND VIRGINIAN PROVINCES (BAY OF FUNDY TO CAPE HATTERAS)

ADULT LIFE STYLE: SEDIMENT SURFACE OR NEAR SURFACE DWELLER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 200M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: FINE-VERY FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: HIGH (>5%)

ADULT FEEDING TYPE: SUSPENSION FEEDER

REPRODUCTIVE TYPE:

HERMAPHRODITIC

REPRODUCTIVE SEASON: NO INFORMATION AVAILABLE

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

PLANKTONIC LARVAE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

SIGNIFICANT PREY FOR FISH AND/OR COMMERCIALLY VALUABLE DECAPOD SPECIES

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

1, 2, 92, 229, 249.

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: PLATYCORHINUS

MAXIMUM SIZE: APPROXIMATELY 50MM

ATLANTIC COAST DISTRIBUTION:

BOREAL AND VIRGINIAN PROVINCES (BAY OF FUNDY TO CAPE HATTERAS)

ADULT LIFE STYLE: SEDIMENT SURFACE OR NEAR SURFACE DWELLER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 200M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: FINE-VERY FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%) OR HIGH (>5%)

ADULT FEEDING TYPE: SUSPENSION FEEDER

REPRODUCTIVE TYPE:
SEPARATE SEXES

REPRODUCTIVE SEASON: NO INFORMATION AVAILABLE

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:
PLANKTONIC LARVAE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:
SIGNIFICANT PREY FOR FISH AND/OR COMMERCIALY VALUABLE DECAPOD SPECIES

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

1, 2, 102,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: SPISOLA SOLIDISSIMA

MAXIMUM SIZE: APPROXIMATELY 175MM

ATLANTIC COAST DISTRIBUTION:

BOREAL-VIRGINIAN (NORTH/SOUTH EXTENSION OF BOREAL-VIRGINIAN PROVINCE WHICH EXTENDS BAY OF FUNDY-CAPE HATTERAS)

ADULT LIFE STYLE: SEDIMENT SURFACE OR NEAR SURFACE DWELLER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 50M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: MEDIUM-FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: SUSPENSION FEEDER

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: AUTUMN/SUMMER

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

PLANKTONIC LARVAE

MAXIMUM RECORDED LIFE SPAN: APPROXIMATELY 15 YEARS

VALUE TO FISHERIES:

HARVESTIBLE AS FOOD FOR MAN AND SIGNIFICANT PREY FOR FISH AND/OR COMMERCIALY VALUABLE DECAPODS

ADDITIONAL INFORMATION: 1-STRATEGIST WITH DEMONSTRATED ANOXIA INTOLERANCE

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FIS 342 8217 FOR MORE INFORMATION.

1, 2, 40, 55, 56, 92, 128, 158, 188, 220, 221, 225, 239, 263, 264, 267, 278, 293, 314, 135,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: *TELLINA ARILIS*

MAXIMUM SIZE: APPROXIMATELY 15MM

ATLANTIC COAST DISTRIBUTION:

BOREAL-VIRGINIAN (NORTH/SOUTH EXTENSION OF BOREAL-VIRGINIAN PROVINCE WHICH EXTENDS BAY OF FUNDY-CAPE HATTERAS)

ADULT LIFE STYLE: SEDIMENT SURFACE OR NEAR SURFACE DWELLER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 50M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: MEDIUM-FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: SURFACE DEPOSIT FEEDER

REPRODUCTIVE TYPE:
SEPARATE SEXES

REPRODUCTIVE SEASON: NO INFORMATION AVAILABLE

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:
PLANKTONIC LARVAE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:
SIGNIFICANT PREY FOR FISH AND/OR COMMERCIALY VALUABLE DECAPOD SPECIES

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

1, 2, 28, 40, 73, 92, 99, 100, 102, 146, 154, 155, 165, 233, 269, 293,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: ENSIS DIRECTUS

MAXIMUM SIZE: APPROXIMATELY 250MM

ATLANTIC COAST DISTRIBUTION:

ENTIRE ATLANTIC COAST FROM THE BAY OF FUNDY TO FLORIDA

ADULT LIFE STYLE: SEDIMENT SURFACE OR NEAR SURFACE DWELLER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 25M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: MEDIUM-FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: SUSPENSION FEEDER

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: NO INFORMATION AVAILABLE

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

PLANKTONIC LARVAE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

HARVESTIBLE AS FOOD FOR MAN

ADDITIONAL INFORMATION: K-STRATEGIST

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

1, 2, 42, 67, 92, 167, 168, 203, 225, 282, 283, 293, 300, 307,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: POLYCORDIUS TRIESTINUS

MAXIMUM SIZE: APPROXIMATELY 25MM

ATLANTIC COAST DISTRIBUTION:

VIRGINIAN PROVINCE (CAPE COD TO CAPE HATTERAS)

ADULT LIFE STYLE: SEDIMENT SURFACE OR NEAR SURFACE DWELLER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 50M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: MEDIUM SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: DEPOSIT FEEDER

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: NO INFORMATION AVAILABLE

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

PLANKTONIC LARVAE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

NO INFORMATION AVAILABLE

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 H217 FOR MORE INFORMATION.

76, 83, 102, 123, 126, 159, 227, 245,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: PHYLLIDICE AREFAE

MAXIMUM SIZE: APPROXIMATELY 100MM

ATLANTIC COAST DISTRIBUTION:

VIRGINIAN + (A NORTH OR SOUTH EXTENSION OF THE VIRGINIAN PROVINCE WHICH EXTENDS FROM CAPE COD TO CAPE HATTERAS)

ADULT LIFE STYLE: SEDIMENT SURFACE OR DEAR SURFACE DWELLER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 200M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: MEDIUM-FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: CARNIVORE

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: SUMMER

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

PLANKTIC LARVAE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

SIGNIFICANT PRLY FOR FISH AND/OR COMMERCIALLY VALUABLE DECAPOD SPECIES

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

60, 96, 171, 200, 277.

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: ETEONE LONGA

MAXIMUM SIZE: APPROXIMATELY 150MM

ATLANTIC COAST DISTRIBUTION:

NORFOLK AND VIRGINIAN PROVINCES (BAY OF FUNDY TO CAPE HATTERAS)

ADULT LIFE STYLE: BURROWER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 200M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: FINE-VERY FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: HIGH (>5%)

ADULT FEEDING TYPE: CARNIVORE

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: SPRING

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

PLANKTONIC LARVAE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

SIGNIFICANT PREY FOR FISH AND/OR COMMERCIALY VALUABLE DECAPOD SPECIES

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

143, 172, 175, 200, 207, 208, 213, 218, 277, 299,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: HARMOTHOE EXTERQUATA

MAXIMUM SIZE: APPROXIMATELY 75MM

ATLANTIC COAST DISTRIBUTION:

BUREAU AND VIRGINIAN PROVINCES (BAY OF FUNDY TO CAPE HATTERAS)

ADULT LIFE STYLE: SEDIMENT SURFACE OR NEAR SURFACE DWELLER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 2000M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: COARSE-MEDIUM-FINE SANDS

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<1%)

ADULT FEEDING TYPE: CARNIVORE

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: SPRING

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

INITIAL BROODING OR DIRECT LIBERATION OF EGGS INTO SEAWATER FOLLOWED BY DEVELOPMENT OF PLANKTONIC LARVAE.

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

NO INFORMATION AVAILABLE

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN. WARD, FTS 342 8217 FOR MORE INFORMATION.

21, 41, 57, 60, 61, 64, 96, 200, 207.

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: *SITHENELAIS LIMICOLA*

MAXIMUM SIZE: APPROXIMATELY 100MM

ATLANTIC COAST DISTRIBUTION:

NORFOLK AND VIRGINIAN PROVINCES (BAY OF FUNDY TO CAPE HATTERAS)

ADULT LIFE STYLE: BURROWER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 750M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: FINE-VERY FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: CARNIVORE

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: NO INFORMATION AVAILABLE

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

NO INFORMATION AVAILABLE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

SIGNIFICANT PREY FOR FISH AND/OR COMMERCIALY VALUABLE DECAPOD SPECIES

ADDITIONAL INFORMATION: T-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

60, 96, 144, 170, 200, 245, 299,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: GLYCERA DIGRANHIATA

MAXIMUM SIZE: APPROXIMATELY 500µM

ATLANTIC COAST DISTRIBUTION:

BOREAL AND VIRGINIAN PROVINCES (BAY OF FUNDY TO CAPE HATTERAS)

ADULT LIFE STYLE: BURROWER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 500M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: FINE-VERY FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: CARNIVORE/DEPOSIT FEEDER

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: AUTUMN/SPRING/SUMMER

EGG NUMBER PER FEMALE: >1,000,000

DEVELOPMENT OF YOUNG:

PLANKTONIC LARVAE

MAXIMUM RECORDED LIFE SPAN: APPROXIMATELY 5 YEARS

VALUE TO FISHERIES:

SIGNIFICANT PREY FOR FISH AND/OR COMMERCIALY VALUABLE DECAPOD SPECIES

ADDITIONAL INFORMATION: K-STRATEGIST

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

3, 53, 64, 81, 96, 105, 118, 144, 145, 148, 182, 200, 233, 255, 285, 299, 323,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: GASTAPLELLA GRACILIS

MAXIMUM SIZE: APPROXIMATELY 50MM

ATLANTIC COAST DISTRIBUTION:
VIRGINIA PROVINCE (CAPE COD TO CAPE HATTERAS)

ADULT LIFE STYLE: HURRYER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 500M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: COARSE-MEDIUM SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: CARNIVORE

REPRODUCTIVE TYPE:
TRANSFORMATION NONSEXUAL INTO MALE/FEMALE REPRODUCTIVE/EPITOKES, SWARMS AT SURFACE DURING SHEDDING OF EGGS & SPERM.

REPRODUCTIVE SEASON: NO INFORMATION AVAILABLE

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:
NO INFORMATION AVAILABLE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:
SIGNIFICANT PREY FOR FISH AND/OR COMMERCIALLY VALUABLE DECAPOD SPECIES

ADDITIONAL INFORMATION: R-STRATEGIST WITH DEMONSTRATED ANOXIA TOLERANCE

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

27, 59, 60, 65, 145, 164, 200, 263, 290, 299, 323, 335,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: NEPHTYS BUCERA

MAXIMUM SIZE: APPROXIMATELY 300MM

ATLANTIC COAST DISTRIBUTION:
BOREAL AND VIRGINIAN PROVINCES (BAY OF FUNDY TO CAPE HATTERAS)

ADULT LIFE STYLE: BURROWER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 200M

MOST COMMON. ASSOC. SEDIM. GRAIN SIZE: MEDIUM-FINE SAND

MOST COMMON. ASSOC. SEDIM. ORG. CONTENT; LOW (<3%)

ADULT FEEDING TYPE: OMNIVORE/SURFACE DEPOSIT FEEDER

REPRODUCTIVE TYPE:
SEPARATE SEXES

REPRODUCTIVE SEASON: NO INFORMATION AVAILABLE

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:
PLANKTONIC LARVAE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:
NO INFORMATION AVAILABLE

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FT8 342 8217 FOR MORE INFORMATION.

96, 200, 323,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: NEPHTYS INCISA

MAXIMUM SIZE: APPROXIMATELY 150MM

ATLANTIC COAST DISTRIBUTION:
BOREAL AND VIRGINIAN PROVINCES (BAY OF FUNDY TO CAPE HATTERAS)

ADULT LIFE STYLE: BURROWER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 2000M

MOST COMMON. ASSOC. SEDIM. GRAIN SIZE: FINE-VERY FINE SAND

MOST COMMON. ASSOC. SEDIM. ORG. CONTENT: HIGH (>5%)

ADULT FEEDING TYPE: OMNIVORE/SURFACE DEPOSIT FEEDER

REPRODUCTIVE TYPE:
SEPARATE SEXES

REPRODUCTIVE SEASON: ALL YEAR

EGG NUMBER PER FEMALE: >1,000,00

DEVELOPMENT OF YOUNG:
PLANKTONIC LARVAE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:
SIGNIFICANT PREY FOR FISH AND/OR COMMERCIALY VALUABLE DECAPOD SPECIES

ADDITIONAL INFORMATION: K-STRATEGIST

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

43, 44, 45, 64, 96, 139, 144, 167, 191, 200, 229, 230, 231, 277, 284, 296, 302,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: NEPHTYS PICTA

MAXIMUM SIZE: APPROXIMATELY 50MM

ATLANTIC COAST DISTRIBUTION:

VIRGIFLOR + (A NORTH OR SOUTH EXTENSION OF THE VIRGINIAN PROVINCE WHICH EXTENDS FROM CAPE COD TO CAPE HATTERAS)

ADULT LIFE STYLE: BURROWER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 150M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: MEDIUM-FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<5%)

ADULT FEEDING TYPE: OMNIVORE/SURFACE DEPOSIT FEEDER

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: NO INFORMATION AVAILABLE

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

PLANKTIC LARVAE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

NO INFORMATION AVAILABLE

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS, CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

96, 140, 145, 200,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: NEPHTYS (AGLAPHAMUS) CIRCINATA

MAXIMUM SIZE: APPROXIMATELY 50MM

ATLANTIC COAST DISTRIBUTION:

BOREAL AND VIRGINIAN PROVINCES (BAY OF FUNDY TO CAPE HATTERAS)

ADULT LIFE STYLE: BURROWER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 500M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: FINE-VERY FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: OMNIVORE/SURFACE DEPOSIT FEEDER

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: NO INFORMATION AVAILABLE

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

PLANKTONIC LARVAE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

NO INFORMATION AVAILABLE

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

96, 144, 145, 164, 200, 263.

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: CAPTELLA CAPITATA

MAXIMUM SIZE: APPROXIMATELY 100MM

ATLANTIC COAST DISTRIBUTION:
ENTIRE ATLANTIC COAST FROM THE BAY OF FUNNY TO FLORIDA

ADULT LIFE STYLE: BOTTLE BURROW OR GALLERY DWELLER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 750M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: FINE-VERY FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: HIGH (>5%)

ADULT FEEDING TYPE: DEPOSIT FEEDER

REPRODUCTIVE TYPE:
SEPARATE SEXES/HERMAPHRODITIC

REPRODUCTIVE SEASON: ALL YEAR

EGG NUMBER PER FEMALE: <20,000

DEVELOPMENT OF YOUNG:
INITIAL BROODING OF EGGS FOLLOWED BY RELEASE OF BENTHIC OR PLANKTONIC LARVAE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:
NO INFORMATION AVAILABLE

ADDITIONAL INFORMATION: R-STRATEGIST WITH DEMONSTRATED ANOXIA TOLERANCE

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN HARD PTS 342 8217 FOR MORE INFORMATION.

P, 12, 13, 39, 57, 64, 68, 74, 98, 102, 103, 104, 113, 116, 124, 142, 153, 162, 179, 207, 208, 213, 214, 215,
216, 222, 234, 243, 247, 254, 263, 266, 274, 291, 292, 312, 324, 325,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: TRAVISIA CARREA

MAXIMUM SIZE: APPROXIMATELY 50MM

ATLANTIC COAST DISTRIBUTION:
VIRGINIAN PROVINCE (CAPE COD TO CAPE HATTERAS)

ADULT LIFE STYLE: BURROWER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 35M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: FINE-VERY FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: DEPOSIT FEEDER

REPRODUCTIVE TYPE:
NO INFORMATION AVAILABLE

REPRODUCTIVE SEASON: NO INFORMATION AVAILABLE

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:
NO INFORMATION AVAILABLE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:
NO INFORMATION AVAILABLE

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

64, 145, 198, 288,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: SPID FILICORNIS

MAXIMUM SIZE: APPROXIMATELY 25MM

ATLANTIC COAST DISTRIBUTION:

ENTIRE ATLANTIC COAST FROM THE BAY OF FUNNY TO FLORIDA

ADULT LIFE STYLE: TUBE DWELLER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 50M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: FINE-VERY FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: SURFACE DEPOSIT FEEDER

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: AUTUMN/WINTER/SPRING

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

INITIAL BROODING OR DIRECT LIBERATION OF EGGS INTO SEAWATER FOLLOWED BY DEVELOPMENT OF PLANKTONIC LARVAE.

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

NO INFORMATION AVAILABLE

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION. --

57, 64, 108, 114, 118, 217, 252, 253,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: PRIONOSPID STEENSTRUP1

MAXIMUM SIZE: APPROXIMATELY 50MM

ATLANTIC COAST DISTRIBUTION:

ENTIRE ATLANTIC COAST FROM THE BAY OF FUNDY TO FLORIDA

ADULT LIFE STYLE: TUBE DWELLER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 2000M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: COARSE-MEDIUM-FINE SANDS

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW TO MEDIUM (<3%-5%)

ADULT FEEDING TYPE: SURFACE DEPOSIT FEEDER

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: WINTER/SPRING

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOLG:

PLANKTIC LARVAE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

SIGNIFILANT PREY FOR FISH AND/OR COMMERCIALY VALUABLE DECAPOD SPECIES

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

57, 64, 65, 114, 191, 217, 302,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: POLYDORA LIGMI

MAXIMUM SIZE: APPROXIMATELY 25MM

ATLANTIC COAST DISTRIBUTION:

ENTIRE ATLANTIC COAST FROM THE BAY OF FUNDY TO FLORIDA.

ADULT LIFE STYLE: TUBE DWELLER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 50M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: MEDIUM-FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<5%)

ADULT FEEDING TYPE: SURFACE DEPOSIT FEEDER

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: SPRING/SUMMER

EGG NUMBER PER FEMALE: <5000

DEVELOPMENT OF YOUNG:

INITIAL BROODING OR PROTECTION OF EGGS FOLLOWED BY RELEASE INTO SEAWATER OF PLANKTONIC LARVAE.

MAXIMUM RECORDED LIFE SPAN: APPROXIMATELY 2 YEARS

VALUE TO FISHERIES:

NO INFORMATION AVAILABLE

ADDITIONAL INFORMATION: R-STRATEGIST

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

19, 20, 32, 62, 64, 65, 66, 98, 114, 118, 147, 183, 208, 234, 243, 244, 252, 336,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: SPIDRAPHES BOMBAY

MAXIMUM SIZE: APPROXIMATELY 50MM

ATLANTIC COAST DISTRIBUTION:

ENTIRE ATLANTIC COAST FROM THE BAY OF FUNDY TO FLORIDA

ADULT LIFE STYLE: TUBE DWELLER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 200M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: FINE-VERY FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: SURFACE DEPOSIT FEEDER

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: NO INFORMATION AVAILABLE

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

INITIAL BROODING OR DIRECT LIBERATION OF EGGS INTO SEAWATER FOLLOWED BY DEVELOPMENT OF PLANKTONIC LARVAE.

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

SIGNIFICANT PREY FOR FISH AND/OR COMMERCIALY VALIABLE DECAPOD SPECIES

ADDITIONAL INFORMATION: R-STRATEGIST WITH DEMONSTRATED ANOXIA TOLERANCE

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

27, 64, 114, 118, 145, 164, 263, 265, 302, 323.

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: PARALINTS GRACILIS

MAXIMUM SIZE: APPROXIMATELY 25MM

ATLANTIC COAST DISTRIBUTION:
ENTIRE ATLANTIC COAST FROM THE BAY OF FUNDY TO FLORIDA

ADULT LIFE STYLE: BURROWER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 2000M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: FINE-VERY FINE SAND AND SILT

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: HIGH (>5%)

ADULT FEEDING TYPE: DEPOSIT FEEDER

REPRODUCTIVE TYPE:
SEPARATE SEXES

REPRODUCTIVE SEASON: SUMMER

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:
BENTHIC LARVAE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:
NO INFORMATION AVAILABLE

ADDITIONAL INFORMATION: R-STRATEGIST

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FYS 342 8217 FOR MORE INFORMATION.

59, 64, 102, 200,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: ARICIDEA CATHERINAE

MAXIMUM SIZE: APPROXIMATELY 20MM

ATLANTIC COAST DISTRIBUTION:

ENTIRE ATLANTIC COAST FROM THE BAY OF FUNDY TO FLORIDA

ADULT LIFE STYLE: BURROWER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 2000M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: COARSE-MEDIUM-FINE SANDS

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: DEPOSIT FEEDER

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: SUMMER

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

BENTHIC LARVAE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

SIGNIFICANT PREY FOR FISH AND/OR COMMERCIALY VALUABLE DECAPOD SPECIES

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

57, 59, 64, 102, 145, 160, 200, 299,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: LUMBRINERIDES ACUTA

MAXIMUM SIZE: APPROXIMATELY 50MM

ATLANTIC COAST DISTRIBUTION:

BOREAL AND VIRGINIAN PROVINCES (BAY OF FUNDY TO CAPE HATTERAS)

ADULT LIFE STYLE: BURROWER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 500M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: COARSE-MEDIUM SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: CARNIVORE

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: NO INFORMATION AVAILABLE

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

INITIAL BROODING OR PROTECTION OF EGGS FOLLOWED BY RELEASE INTO SEAWATER OF BENTHIC LARVAE.

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

SIGNIFICANT PREY FOR FISH AND/OR COMMERCIALY VALUABLE DECAPOD SPECIES

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

64, 141, 144, 145, 200, 299.

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: LUMBRINERIS FRAGILIS

MAXIMUM SIZE: APPROXIMATELY 375MM

ATLANTIC COAST DISTRIBUTION:
BUREAU AND VIRGINIAN PROVINCES (BAY OF FUNDY TO CAPE HATTERAS)

ADULT LIFE STYLE: BURROWER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 3000M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: COARSE-MEDIUM-FINE SANDS

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: CARNIVORE

REPRODUCTIVE TYPE:
SEPARATE SEXES

REPRODUCTIVE SEASON: SUMMER

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:
INITIAL BROODING OR PROTECTION OF EGGS FOLLOWED BY RELEASE INTO SEAWATER OF BENTHIC LARVAE.

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:
SIGNIFICANT PREY FOR FISH AND/OR COMMERCIALY VALUABLE DECAPOD SPECIES

ADDITIONAL INFORMATION: J-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

23, 57, 96, 141, 144, 198, 200, 265, 277, 284,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: LUMBRICERIS TERUIS

MAXIMUM SIZE: APPROXIMATELY 150MM

ATLANTIC COAST DISTRIBUTION:
BOREAL AND VIRGINIAN PROVINCES (BAY OF FUNDY TO CAPE HATTERAS)

ADULT LIFE STYLE: BURROWER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY >3000M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: FINE-VERY FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: CARNIVORE/DEPOSIT FEEDER

REPRODUCTIVE TYPE:
SEPARATE SEXES

REPRODUCTIVE SEASON: SUMMER

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:
INITIAL BROODING OR PROTECTION OF EGGS FOLLOWED BY RELEASE INTO SEAWATER OF BENTHIC LARVAE.

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:
NO INFORMATION AVAILABLE

ADDITIONAL INFORMATION: (I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES))

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

57, 86, 96, 200, 233, 323, 337.

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: NIMOE NIGRIPES

MAXIMUM SIZE: APPROXIMATELY 100MM

ATLANTIC COAST DISTRIBUTION:

ENTIRE ATLANTIC COAST FROM THE BAY OF FUNDY TO FLORIDA

ADULT LIFE STYLE: BURROWER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 1000M

MOST COMMON, ASSOC. SEDIM. GRAIN SIZE: FINE-VERY FINE SAND

MOST COMMON, ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: CARNIVORE/DEPOSIT FEEDER

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: SUMMER

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

INITIAL BROODING OR PROTECTION OF EGGS FOLLOWED BY RELEASE INTO SEAWATER OF BENTHIC LARVAE.

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

NO INFORMATION AVAILABLE

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FT S 342 0217 FOR MORE INFORMATION.

64, 96, 144, 200, 231.

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: DRILONEPTEIS LONGA

MAXIMUM SIZE: APPROXIMATELY 700MP

ATLANTIC COAST DISTRIBUTION:

VIRGINIAN + (A NORTH OR SOUTH EXTENSION OF THE VIRGINIAN PROVINCE WHICH EXTENDS FROM CAPE COD TO CAPE HATTERAS)

ADULT LIFE STYLE: BURROWER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 2000M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: FINE-VERY FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: CARNIVORE

REPRODUCTIVE TYPE:

NO INFORMATION AVAILABLE

REPRODUCTIVE SEASON: NO INFORMATION AVAILABLE

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

NO INFORMATION AVAILABLE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

NO INFORMATION AVAILABLE

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

64, 86, 96, 102, 144, 199, 200, 207, 233, 277.

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: NARCELONA RIUJAI

MAXIMUM SIZE: APPROXIMATELY 50MM

ATLANTIC COAST DISTRIBUTION:
BOREAL AND VIRGINIAN PROVINCES (BAY OF FUNDY TO CAPE HATTERAS)

ADULT LIFE STYLE: BURROWER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 25M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: MEDIUM-FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: DEPOSIT/SURFACE DEPOSIT FEEDER

REPRODUCTIVE TYPE:
SEPARATE SEXES

REPRODUCTIVE SEASON: SUMMER

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:
PLANEPTONIC LARVAE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:
NO INFORMATION AVAILABLE

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

14, 64, 140, 141, 145, 338,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: THARYX ACUTUS

MAXIMUM SIZE: APPROXIMATELY 15MM

ATLANTIC COAST DISTRIBUTION:

BEREAU AND VIRGINIAN PROVINCES (BAY OF FUNDY TO CAPE HATTERAS)

ADULT LIFE STYLE: NOCTILE BURROW OR GALLERY-DWELLER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY >3000M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: COARSE-MEDIUM-FINE SANDS

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW, MEDIUM AND HIGH ORGANIC SEDIMENTS

ADULT FEEDING TYPE: SURFACE DEPOSIT FEEDER

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: AUTUMN/WINTER

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

BENTHIC LARVAE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

NO INFORMATION AVAILABLE

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

58, 59, 64, 97, 297, 323, 335, 337,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: THARYX AERGLOSUS

MAXIMUM SIZE: APPROXIMATELY 15MM

ATLANTIC COAST DISTRIBUTION:

ENTIRE ATLANTIC COAST FROM THE BAY OF FUNDY TO FLORIDA

ADULT LIFE STYLE: MOTILE BURROW OR GALLERY DWELLER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 3000M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: FINE-VERY FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW, MEDIUM AND HIGH ORGANIC SEDIMENTS

ADULT FEEDING TYPE: SURFACE DEPOSIT FEEDER

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: AUTUMN/WINTER

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

BENTHIC LARVAE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

NO INFORMATION AVAILABLE

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES).

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 0217 FOR MORE INFORMATION.

05, 557,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: CADLLETTIA KILLARIENSIS

MAXIMUM SIZE: APPROXIMATELY 15MM

ATLANTIC COAST DISTRIBUTION:
NEW YORK BIGHT

ADULT LIFE STYLE: NOBILE BURROW OR GALLERY DWELLER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 35M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: MEDIUM-FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: SURFACE DEPOSIT FEEDER

REPRODUCTIVE TYPE:
SEPARATE SEXES

REPRODUCTIVE SEASON: AUTUMN/WINTER

EGG NUMBER PER FEMALE: <5000

DEVELOPMENT OF YOUNG:
BENTHIC LARVAE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:
NO INFORMATION AVAILABLE

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCE: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

65, 97, 325,

BENTHIC LIFE HISTORY STUDY

GEOUS AND SPECIES: COSSURA LONGICORNATA

MAXIMUM SIZE: APPROXIMATELY 5MM

ATLANTIC COAST DISTRIBUTION:

BOREAL + (A NORTH OR SOUTH EXTENSION OF THE BOREAL PROVINCE WHICH EXTENDS FROM THE BAY OF FUNDY TO CAPE COD)

ADULT LIFE STYLE: BURROWER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 50M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: FINE-VERY FINE SAND AND SILT

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: HIGH (>5%)

ADULT FEEDING TYPE: DEPOSIT FEEDER

REPRODUCTIVE TYPE:

NO INFORMATION AVAILABLE

REPRODUCTIVE SEASON: NO INFORMATION AVAILABLE

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

NO INFORMATION AVAILABLE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

NO INFORMATION AVAILABLE

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

57, 60, 81, 102, 152, 297, 325,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: AMPHARETIF ARCTICA

MAXIMUM SIZE: APPROXIMATELY 20MM

ATLANTIC COAST DISTRIBUTION:

ENTIRE ATLANTIC COAST FROM THE BAY OF FUNDY TO FLORIDA

ADULT LIFE STYLE: TUBE DWELLER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 50M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: FINE-VERY FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: SURFACE DEPOSIT FEEDER

REPRODUCTIVE TYPE:

NO INFORMATION AVAILABLE

REPRODUCTIVE SEASON: NO INFORMATION AVAILABLE

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

BENTHIC LARVAE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

NO INFORMATION AVAILABLE

ADDITIONAL INFORMATION: T-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

64, 102, 118, 131, 141, 277, 313,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: ASARELLIDES OCULATA

MAXIMUM SIZE: APPROXIMATELY 20MM

ATLANTIC COAST DISTRIBUTION:
VIRGINIAN PROVINCE (CAPE COD TO CAPE HATTERAS)

ADULT LIFE STYLE: TUBE DWELLER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 50M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: MEDIUM-FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%) OR HIGH (>5%)

ADULT FEEDING TYPE: SURFACE DEPOSIT FEEDER

REPRODUCTIVE TYPE:
NO INFORMATION AVAILABLE

REPRODUCTIVE SEASON: NO INFORMATION AVAILABLE

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:
NO INFORMATION AVAILABLE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:
NO INFORMATION AVAILABLE

ADDITIONAL INFORMATION: R-STRATEGIST WITH DEMONSTRATED ANOXIA TOLERANCE

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

84, 102, 263, 316,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: PERUSA AFFINIS

MAXIMUM SIZE: APPROXIMATELY 75MM

ATLANTIC COAST DISTRIBUTION:

BUFFALO AND VIRGINIAN PROVINCES (BAY OF FUNDY TO CAPE HATTERAS)

ADULT LIFE STYLE: SEDIMENT SURFACE OR NEAR SURFACE DWELLER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 75M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: FINE-VERY FINE SAND AND SILT

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: HIGH (>5%)

ADULT FEEDING TYPE: SURFACE DEPOSIT FEEDER

REPRODUCTIVE TYPE:

NO INFORMATION AVAILABLE

REPRODUCTIVE SEASON: AUTUMN/SPRING

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

NO INFORMATION AVAILABLE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

NO INFORMATION AVAILABLE

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

141, 145, 191, 323, 332.

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: EDITEA TRILOBIA

MAXIMUM SIZE: APPROXIMATELY 10MM

ATLANTIC COAST DISTRIBUTION:

BOREAL + (A NORTH OR SOUTH EXTENSION OF THE BOREAL PROVINCE WHICH EXTENDS FROM THE BAY OF FUNDY TO CAPE COD)

ADULT LIFE STYLE: FREE LIVING

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 50M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: MEDIUM-FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: SCAVENGER/SURFACE DEPOSIT FEEDER

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: NO INFORMATION AVAILABLE

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

INITIAL BROODING (R PROTECTION OF EGGS FOLLOWED BY RELEASE INTO SEAWATER OF PLANKTONIC LARVAE.

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

SIGNIFICANT PREY FOR FISH AND/OR COMMERCIALLY VALUABLE DECAPOD SPECIES

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES).

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

10, 177, 180, 196, 229, 246, 257,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: ANPELISCA VERRILLI

MAXIMUM SIZE: APPROXIMATELY 15MM

ATLANTIC COAST DISTRIBUTION:

VIRGINIAN PROVINCE (CAPE COD TO CAPE HATTERAS)

ADULT LIFE STYLE: TUBE DWELLER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 50M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: FINE-VERY FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: SUSPENSION FEEDER

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: SUMMER

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

DIRECT DEVELOPMENT OF YOUNG IN BROOD CHAMBER OF FEMALE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

SIGNIFICANT PREY FOR FISH AND/OR COMMERCIALY VALUABLE DECAPOD SPECIES

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

7, 29, 146, 275, 339, 340,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: UNGTOLA IRRONATA

MAXIMUM SIZE: APPROXIMATELY 15MM

ATLANTIC COAST DISTRIBUTION:

BOREAL AND VIRGINIAN PROVINCES (BAY OF FUNDY TO CAPE HATTERAS)

ADULT LIFE STYLE: TUBE DWELLER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 1000M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: COARSE-MEDIUM-FINE SANDS

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<1%)

ADULT FEEDING TYPE: OMNIVORE/SCAVENGER/SURFACE DEPOSIT FEEDER

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: ALL YEAR

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

DIRECT DEVELOPMENT OF YOUNG IN BROOD CHAMBER OF FEMALE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

SIGNIFICANT PREY FOR FISH AND/OR COMMERCIALY VALUABLE DECAPOD SPECIES

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

29, 79, 130, 163, 175, 191, 205, 229, 250, 256, 299, 302, 341,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: PSEUDONICOLA CALIQUUA

MAXIMUM SIZE: APPROXIMATELY 5MM

ATLANTIC COAST DISTRIBUTION:

BOREAL + (A NORTH OR SOUTH EXTENSION OF THE BOREAL PROVINCE WHICH EXTENDS FROM THE BAY OF FUNDY TO CAPE COD)

ADULT LIFE STYLE: TUBE DWELLER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 50M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: MEDIUM-FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: SURFACE DEPOSIT FEEDER

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: SPRING/SUMMER

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

DIRECT DEVELOPMENT OF YOUNG IN BROOD CHAMBER OF FEMALE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

SIGNIFICANT PREY FOR FISH AND/OR COMMERCIALY VALUABLE DECAPOD SPECIES

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FIS 342 8217 FOR MORE INFORMATION.

29, 251,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: PROTOMASTIGRIUS DEICHMANNAE

MAXIMUM SIZE: APPROXIMATELY 5MM

ATLANTIC COAST DISTRIBUTION:

BUREAU AND VIRGINIAN PROVINCES (BAY OF FUNDY TO CAPE HATTERAS)

ADULT LIFE STYLE: BURROWER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 25M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: MEDIUM-FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: SUSPENSION FEEDER

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: SPRING/SUMMER

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

DIRECT DEVELOPMENT OF YOUNG IN BROOD CHAMBER OF FEMALE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

NO INFORMATION AVAILABLE

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD, FTS 342 8217 FOR MORE INFORMATION.

7, 29, 54, 163, 228.

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: PROTOKAUSTORIUS WIGLEYI

MAXIMUM SIZE: APPROXIMATELY 5MM

ATLANTIC COAST OF DISTRIBUTION:

BOREAL AND VIRGINIAN PROVINCES (BAY OF FUNDY TO CAPE HATTERAS)

ADULT LIFE STYLE: BURROWER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 150M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: MEDIUM-FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: SUSPENSION FEEDER

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: SPRING/SUMMER

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

DIRECT DEVELOPMENT OF YOUNG IN BROOD CHAMBER OF FEMALE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE TO FISHERIES:

NO INFORMATION AVAILABLE

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

29, 146, 165,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: LEPTOCREIRUS PINGUIS

MAXIMUM SIZE: APPROXIMATELY 15MM

ATLANTIC COAST DISTRIBUTION:
BOREAL AND VIRGINIAN PROVINCES (BAY OF FUNDY TO CAPE HATTERAS)

ADULT LIFE STYLE: TUBE DWELLER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 250M

MOST COMMON, ASSOC. SEDIM. GRAIN SIZE: COARSE-MEDIUM SILT

MOST COMMON, ASSOC. SEDIM. ORG. CONTENT: HIGH (>5%)

ADULT FEEDING TYPE: SUSPENSION FEEDER

REPRODUCTION TYPE:
SEPARATE SEXES

REPRODUCTIVE SEASON: ALL YEAR

EGG NUMBER PER FEMALE: <100

DEVELOPMENT OF YOUNG:
DIRECT DEVELOPMENT OF YOUNG IN BROOD CHAMBER OF FEMALE

MAXIMUM RECORDED LIFE SPAN: APPROXIMATELY 2 YEARS

VALUE TO FISHERIES:
SIGNIFICANT PREY FOR FISH AND/OR COMMERCIALLY VALUABLE DECAPOD SPECIES

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

29, 91, 175, 229, 256, 284, 299, 303,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: RHEPOXYNTUS EPISTOMUS

MAXIMUM SIZE: APPROXIMATELY 10MM

ATLANTIC COAST DISTRIBUTION:
BORCAL AND VIRGINIAN PROVINCES (BAY OF FUNDY TO CAPE HATTERAS)

ADULT LIFE STYLE: BURROWER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 50M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: MEDIUM-FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: OMNIVORE

REPRODUCTIVE TYPE:
SEPARATE SEXES

REPRODUCTIVE SEASON: SPRING/SUMMER

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:
DIRECT DEVELOPMENT OF YOUNG IN BROOD CHAMBER OF FEMALE

MAXIMUM RECORDED LIFE SPAN: NO INFORMATION AVAILABLE

VALUE IN FISHERIES:
NO INFORMATION AVAILABLE

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

7, 29, 85, 146, 184, 295, 340,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: DEOMYSTIS AMERICANA

MAXIMUM SIZE: APPROXIMATELY 10MM

ATLANTIC COAST DISTRIBUTION:

BOREAL AND VIRGINIAN PROVINCES (BAY OF FUNDY TO CAPE HATTERAS)

ADULT LIFE STYLE: FREE LIVING

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 200M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: FINE-VERY FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: SUSPENSION/SURFACE DEPOSIT FEEDER

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: ALL YEAR

EGG NUMBER PER FEMALE: <50

DEVELOPMENT OF YOUNG:

DIRECT DEVELOPMENT OF YOUNG IN BROOD CHAMBER OF FEMALE

MAXIMUM RECORDED LIFE SPAN: APPROXIMATELY 1 YEAR

VALUE TO FISHERIES:

SIGNIFICANT PREY FOR FISH AND/OR COMMERCIALY VALUABLE DECAPOD SPECIES

ADDITIONAL INFORMATION: [r-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)]

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

9, 47, 102, 125, 219, 256, 260, 299, 301,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: CRANGON SEPTENTRIONALIS

MAXIMUM SIZE: APPROXIMATELY 75MM

ATLANTIC COAST DISTRIBUTION:

ENTIRE ATLANTIC COAST FROM THE BAY OF FUNDY TO FLORIDA

ADULT LIFE STYLE: FREE LIVING

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 100M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: MEDIUM-FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: OMNIVORE/SCAVENGER

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: ALL YEAR

EGG NUMBER PER FEMALE: <500

DEVELOPMENT OF YOUNG:

PLANKTONIC LARVAE

MAXIMUM RECORDED LIFE SPAN: APPROXIMATELY 1 YEAR

VALUE TO FISHERIES:

SIGNIFICANT PREY FOR FISH AND/OR COMMERCIALLY VALUABLE DECAPOD SPECIES

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

9, 17, 53, 75, 76, 89, 90, 109, 120, 177, 181, 206, 210, 219, 233, 298, 299, 304, 306, 342,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: CANCER IRROCRATUS

MAXIMUM SIZE: APPROXIMATELY 150MM

ATLANTIC COAST DISTRIBUTION:

ENTIRE ATLANTIC COAST FROM THE BAY OF FUNDY TO FLORIDA

ADULT LIFE STYLE: FREE LIVING

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 500M

MOST COMMON, ASSOC. SEDIM. GRAIN SIZE: MEDIUM-FINE SAND

MOST COMMON, ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: SCAVENGER/CARNIVORE

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: AUTUMN/WINTER/SUMMER

EGG NUMBER PER FEMALE: <500,000

DEVELOPMENT OF YOUNG:

PLANKTONIC LARVAE

MAXIMUM RECORDED LIFE SPAN: APPROXIMATELY 10 YEARS

VALUE TO FISHERIES:

SIGNIFICANT PREY FOR FISH AND/OR COMMERCIALLY VALUABLE DECAPOD SPECIES

ADDITIONAL INFORMATION: 1-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 342 8217 FOR MORE INFORMATION.

16, 18, 80, 88, 95, 102, 110, 111, 127, 137, 138, 150, 160, 161, 211, 212, 224, 235, 236, 238, 286, 299, 302, 306,
309, 343, 344.

NEPTIC LIFE HISTORY STUDY

GENUS AND SPECIES: ECHINARACHNIUS PARVA

MAXIMUM SIZE: APPROXIMATELY 75MM

ATLANTIC COAST DISTRIBUTION:

ENTIRE ATLANTIC COAST FROM THE BAY OF FUNNY TO FLORIDA

ADULT LIFE STYLE: FREE LIVING

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATELY 2000M

MOST COMMON ASSOC. SEDIM. GRAIN SIZE: MEDIUM-FINE SAND

MOST COMMON ASSOC. SEDIM. ORG. CONTENT: LOW (<3%)

ADULT FEEDING TYPE: SUSPENSION/SURFACE DEPOSIT FEEDER

REPRODUCTIVE TYPE:

SEPARATE SEXES

REPRODUCTIVE SEASON: AUTUMN/SPRING/SUMMER

EGG NUMBER PER FEMALE: NO INFORMATION AVAILABLE

DEVELOPMENT OF YOUNG:

PLANKTONIC LARVAE

MAXIMUM RECORDED LIFE SPAN: APPROXIMATELY 20 YEARS

VALUE TO FISHERIES:

SIGNIFICANT PREY FOR FISH AND/OR COMMERCIALY VALUABLE DECAPOD SPECIES

ADDITIONAL INFORMATION: I-STRATEGIST (INTERMEDIATE BETWEEN R AND K ADAPTIVE STRATEGIES)

REFERENCES: THE FOLLOWING ARE REFERENCE NUMBERS. CONTACT JAN WARD FTS 302 8217 FOR MORE INFORMATION.

33, 48, 49, 50, 52, 71, 72, 87, 101, 106, 133, 156, 163, 178, 186, 187, 201, 209, 223, 258, 261, 263, 269, 270,
280, 315, 323, 345, 346.