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 APPROXIMATLEY 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 PEBBLE
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 COMMERCIALLY VALUABLE DECAPOD SPECIES
3 PREDATOR OF FISH EGGS OR JUVENILES
4 HARVESTIBLE AS FOOD FOR MAN AND SIGNIFICANT PREY FOR FISH AND/OR COMMERCIALLY 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)
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 CERIANTHEOPSIS AMERICANUS
4 7700010203 PHORONIS ARCHITECTA
5 5105080103 NASSARIUS TRIVITTATUS
6 5502020204 NUCULA PROXIMA
7 5515190110 ASTARTE CASTANEA
8 5515390101 ARCTICA ISLANDICA
9 5515220601 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 HARMOTHOE EXTENUATA
18 5001060303 STHENELAIS LIMICOLA
19 5001270105 GLYCERA DIBRANCHIATA
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 MEDIOMASTUS AMBISETA
27 5001580404 TRAVISIA CARNEA
28 5001430701 SPIO FILICORNIS
29 5001430506 PRIONOSPIO STEENSTRUPI
30 5001430411 POLYDORA LIGNI
31 5001431001 SPIOPHANES BOMBYX
32 5001410301 PARAONIS GRACILIS
33 5001410208 ARICIDEA CATHERINAE
34 5001310301 LUMBRINERIDES ACUTA
35 5001310102 LUMBRINERIS FRAGILIS
36 5001310113 LUMBRINERIS TENUIS
37 5001310204 NINOE NIGRIPES
38 5001330103 DRILONEREIS LONGA
39 5001440188 MAGELONA RIOJAI
40 5001500305 THARYX ACUTUS
41 5001500306 THARYX ANNULOSUS
42 5001500204 CAULLERIELLA KILLARIENSIS
43 5001520101 COSSURA LONGOCIRRATA
44 5001670201 AMPHARETE ARCTICA
45 5001670802 ASABELLIDES OCULATA
46 5001540304 PHERUSA AFFINIS
47 6162020701 EDOTEA TRILOBA
48 6169020110 AMPELISCA VERRILLI
49 6169150703 UNCIOLA IRRORATA
50 6169150801 PSEUDUNCIOLA OBLIQUUA
51 6169221201 PROTOHAUSTORIUS DEICHMANNAE
52 6169221202 PROTOHAUSTORIUS WIGLEYI
53 6169060702 LEPTOCHEIRUS PINGUIS
54 6169420927 RHEPOXYNIUS EPISTOMUS
55 6153011508 NEOMYSIS AMERICANA
56 6179220103 CRANGON SEPTEMSPINOSA
57 6188030108 CANCER IRRORATUS
58 8155020101 ECHINARACHNIUS PARMA

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: MEDIOMASTUS AMBISETA

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 150MM

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/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-STRATEGIST (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: EDWARDSIA SIPUNCULOIDES

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 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-STRATEGIST (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: CERIADIHEOPSIS 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:
HERMAPHRODITIC

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: PHORONIS 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 APPROXIMATLEY 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:
HERMAPHRODITIC

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: HASSARIUS TRIVITTATUS

MAXIMUM SIZE: APPROXIMATELY 20MM

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 100M

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

MOST COMMON, ASSOC. SEDIM. ORG. CONTENT: LOW (<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 COMMERCIALLY 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.

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

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: NUCULA PROXIMA

MAXIMUM SIZE: APPROXIMATELY 50MM

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

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: ASTARTE CASTANEA

MAXIMUM SIZE: APPROXIMATELY 25MM

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 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 HATTERAS)

ADULT LIFE STYLE: SEDIMENT SURFACE OR NEAR SURFACE DWELLER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATLEY 55M

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:
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: 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, 299,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: PITAR MORRHUANUS

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 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, 102,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: SPISULA SOLIDISSIMA

MAXIMUM SIZE: APPROXIMATELY 175MM

ATLANTIC COAST DISTRIBUTION:
BOREAL-VIRGINIAN 1(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 COMMERCIALLY VALUABLE DECAPODS

ADDITIONAL INFORMATION: I-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 AGILIS

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 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, 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:
HARVESTABLE 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: POLYGORDIUS 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 8217 FOR MORE INFORMATION.

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

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: PHYLLODOCE ARENAE

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 NEAR 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:
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.

60, 96, 171, 200, 277.

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: ETEONE LONGA

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: 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 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.

143, 172, 176, 200, 207, 208, 213, 218, 277, 299,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: HARMOTHOE EXTENUATA

MAXIMUM SIZE: APPROXIMATELY 75MM

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 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: STHENELAIS LIMICOLA

MAXIMUM SIZE: APPROXIMATELY 100MM

ATLANTIC COAST DISTRIBUTION:
BOREAL 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 COMMERCIALLY 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 DIBRANCHIATA

MAXIMUM SIZE: APPROXIMATELY 500MM

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: >1,000,00

DEVELOPMENT OF YOUNG:
PLANKTONIC LARVAE

MAXIMUM RECORDED LIFE SPAN: APPROXIMATELY 5 YEARS

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

ADDITIONAL INFORMATION: K-STRATEGIST

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

1, 53, 64, 81, 96, 105, 118, 144, 145, 148, 182, 200, 233, 255, 285, 299, 323,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: GONIADELLA GRACILIS

MAXIMUM SIZE: - APPROXIMATELY 50MM

ATLANTIC COAST DISTRIBUTION:
VIRGINIAN PROVINCE (CAPE COD 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:
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, 64, 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 FTS 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 COMMERCIALLY 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:
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 150M

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 FTS 342 8217 FOR MORE INFORMATION.

96, 144, 145, 200,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: NEPHTYS (AGLAOPHAMUS) 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: CAPITELLA CAPITATA

MAXIMUM SIZE: APPROXIMATELY 100MM

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 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 WARD FTS 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 CARNEA

MAXIMUM SIZE: APPROXIMATELY 50MM

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

ADULT LIFE STYLE: BURROWER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATLEY 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: SPIO FILICORNIS

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: 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: PRIONOSPIO STEENSTRUPI

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 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.

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

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: POLYDORA LIGNI

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: SPIOPHANES BOMBYX

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

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: PARAONIS 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 FTS 342 8217 FOR MORE INFORMATION.

59, 64, 102, 200,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: ARTICIDEA 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 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.

57, 59, 64, 102, 145, 164, 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 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.

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

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: LUMBRINERIS FRAGILIS

MAXIMUM SIZE: APPROXIMATELY 375MM

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: 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 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.

23, 57, 96, 141, 144, 198, 208, 265, 277, 284,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: LUMBRINERIS TENUIS

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: NINOE 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 FTS 342 8217 FOR MORE INFORMATION.

64, 96, 144, 200, 231.

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: DRILONEREIS LONGA

MAXIMUM SIZE: APPROXIMATELY 700MM

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: MAGELONA RIOJAI

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:
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.

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

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: THARYX ACUTUS

MAXIMUM SIZE: APPROXIMATELY 150B

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

ADULT LIFE STYLE: MOTILE 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 ACUTUSUS

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

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

65, 337,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: CAULLERIELLA KILLARIENSIS

MAXIMUM SIZE: APPROXIMATELY 15MM

ATLANTIC COAST DISTRIBUTION:
NEW YORK BIGHT

ADULT LIFE STYLE: MOTILE BURROW OR GALLERY DWELLER

DEPTH RANGE: SHALLOW DEPTHS TO APPROXIMATLEY 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)

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

65, 97, 325,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: COSSURA LONGOCIRRATA

MAXIMUM SIZE: APPROXIMATELY 5MM

ATLANTIC COAST DISTRIBUTION:
BOREAL F (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, 425,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: AMPHARETE 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: ASABELLIDES 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: PHEROSA AFFINIS

MAXIMUM SIZE: APPROXIMATELY 75MM

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 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 TRILOBA

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 OR 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: AMPELISCA 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 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.

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

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: ONCIOLA IRRORATA

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 (<3%)

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

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: PSEUDUNCIOLA OBLIQUUA

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 COMMERCIALLY 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: PROTOHAUSTORIUS DEICHMANNAE

MAXIMUM SIZE: APPROXIMATELY 5MM

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: 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: PROTOHAUSTORIUS WIGLEYI

MAXIMUM SIZE: APPROXIMATELY 5MM

ATLANTIC COAST 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: LEPTOCHEIRUS 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

REPRODUCTIVE 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: T-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: RHEPOXYNIUS EPISTOMUS

MAXIMUM SIZE: APPROXIMATELY 10MM

ATLANTIC COAST DISTRIBUTION:
BOREAL 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 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, 85, 146, 184, 295, 340,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: NEOMYSIS 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 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, 47, 102, 125, 219, 256, 268, 299, 301,

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: CRANGON SEPTEMSPINOSA

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 IRRORATUS

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: T-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.

BENTHIC LIFE HISTORY STUDY

GENUS AND SPECIES: ECHINARACHNIUS PARMA

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 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 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.

33, 48, 49, 50, 52, 71, 72, 87, 101, 106, 133, 156, 163, 178, 186, 187, 201, 209, 223, 258, 261, 263, 265, 270, 280, 315, 323, 345, 346.