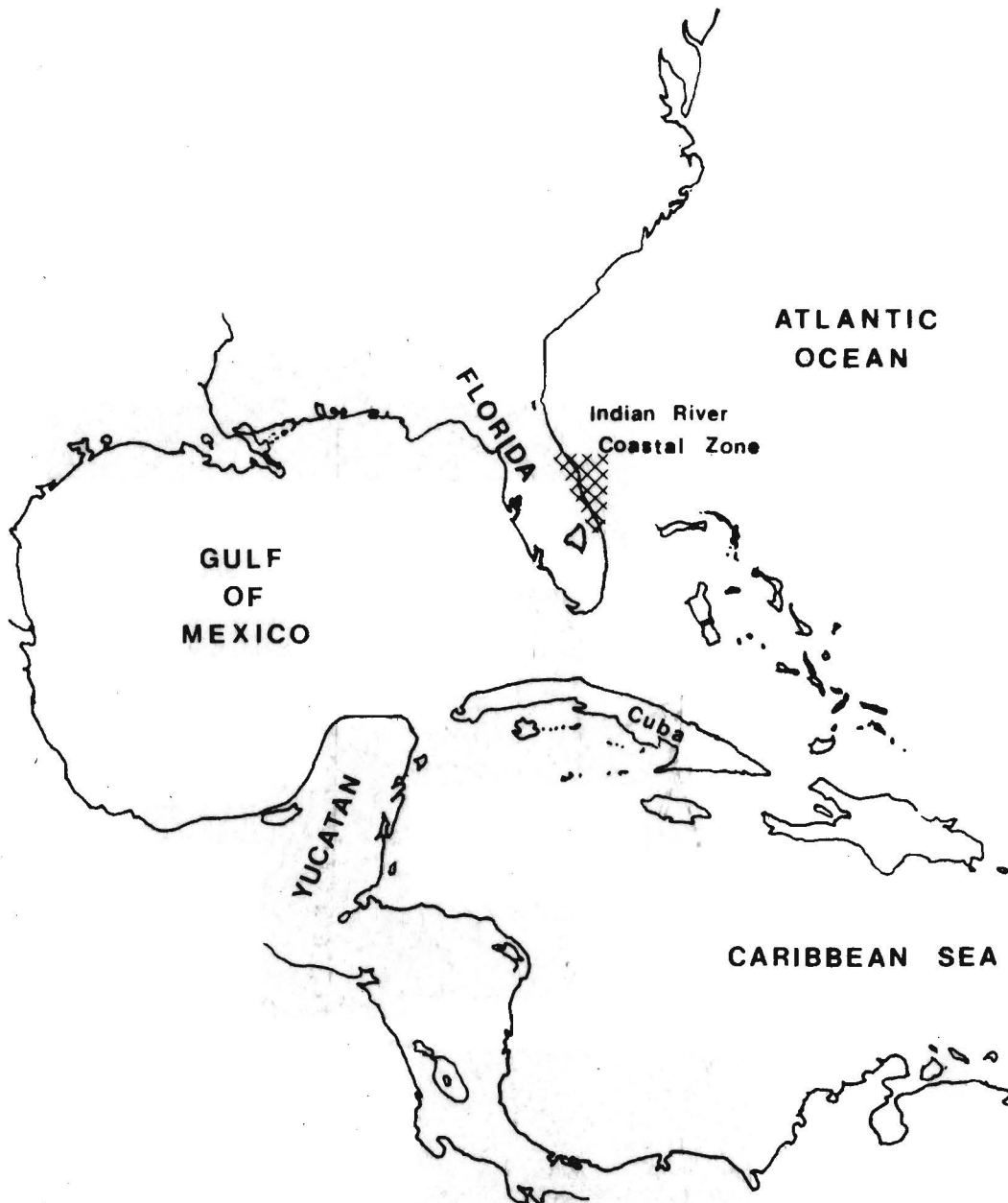


HARBOR BRANCH CONSORTIUM

INDIAN RIVER COASTAL ZONE STUDY



1975-1976
ANNUAL REPORT
VOLUME TWO

H A R B O R B R A N C H C O N S O R T I U M

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INDIAN RIVER COASTAL ZONE STUDY
INVENTORY

George A. Kerr

This listing is not intended to constitute publication for purposes of synonymy or homonymy in taxonomic publications.

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FOREWORD

One of the major project goals of the Indian River Coastal Zone Study is Inventory, or to obtain baseline information concerning the diversity of organisms and quality of the environment in the Indian River region. Towards this end a computerized data banking system has been established permitting efficient data storage and rapid data retrieval.

The purpose of this volume is to inform interested agencies and individuals of the Biological and Chemical master data files which contain the major portion of information collected by the Indian River Coastal Zone Study and which is available through the computerized data banking system. As of November, 1976, the Biological master file contained 3284 stations totaling 17,715 lots of animals and plants, the Chemical master file contained 529 stations at which a total of 26 different chemical variables were monitored and the Physical Oceanographic master file containing temperature, salinity and depth information from 217 ocean and lagoon stations.

This volume includes file interpretation documentation which details file structure, contents, and units of measure for both Biological and Chemical master files; codes and code definitions utilized in both files, and an inventory of the 1653 species and their respective code numbers found in the Indian River and on the adjacent continental shelf.

George A. Kerr
Data Manager

November 26, 1976

INDIAN RIVER COASTAL ZONE STUDY
SELGEM Biological Data File Interpretation Documentation

INDIAN RIVER COASTAL ZONE STUDY
SELGEM BIOLOGICAL DATA FILE
INTERPRETATION DOCUMENTATION

Indian River Coastal Zone Study biological data are stored via the Smithsonian Institution Information Service's SELGEM data management system in a two level hierarchical file (Figure 1).

The first eight characters of each data line represent the file serial number which gives unity to each data record. Biological data records are assigned serial numbers on the basis of station and date. The first five characters of the serial number will be identical for all parameters measured at a particular location on a given date. Information pertaining to the station, such as latitude, longitude, temperature, and salinity will have a serial number ending with 000. Information pertaining to each species found at the station will have serial numbers ending in 001 to 999, depending on the number of species found at the particular station. Serial numbers are assigned in numerical sequence as data are received by the data processing center. Other than providing unity to a set of data, the serial number has no significance. However, the data file is sorted by serial number beginning with the definition record serial number, 00000000.

The next three characters, the category number, of each data line reference the data content of that line. For example, if one were interested in species diversity index then category 097, containing diversity index information, would be examined. The information to be found under each category number is defined by the definition record, serial number 00000000. Note also that category 100 begins the second level of this hierarchical file.

The following two characters of each data line represent the line number. The line number is usually 01 and will change only if more than one measurement of a particular parameter is recorded. For instance, if two of the same species of fish were measured at a particular station and time, then this information would be recorded on two lines having line numbers 01 and 02.

The remaining characters, formed into words separated by blanks, represent the information content of each line.

Information content, information content format, units of measure and default values for each category number follow. Default values are utilized when non-measured parameters occur between measured parameters on a data line. Non-measured parameters occurring after the last measured parameter are left blank. Parameters measured but below limits of detectability are recorded as zero.

DATE: 10/30/75

MASTER LIST

PAGE 43: 148

SERIAL	CATEG	LINE	CAT-DEFINITION2.....V.....3.....V.....4.....V.....5.....V.....6.....V.....7.....V.....
02736000	010	01	STATION NO., DATE, & DEPTH INTERVAL:	0P000036 270575 000.6
	030	01	GEAR, ZONE (SEE CODE DEFINITIONS):	PHS 1A8
	040	01	LAT-LONG BEGIN, LAT-LONG ACCURACY:	2732.10 8020.90 20
	060	01	GEAR TIME BEGIN & END:	1645
	070	01	WATER TEMPERATURE(OC):	31.0
	080	01	SALINITY(PARTS/1000):	35.0
	090	01	BIOTOPE TYPE (SEE CODES):	M GR5
02736001	100	01	PHYLUM:	MOLLUSCA
	110	01	CLASS:	GASTROPODA
	150	01	GENUS:	DIASTOMA
	160	01	SPECIES:	VARIUM
	200	01	IDENTIFIER:	YOUNG, D.K.
	210	01	TOTAL NUMBER, TOTAL WEIGHT(GRAMS):	4.00E+00
02736002	100	01	PHYLUM:	MOLLUSCA
	110	01	CLASS:	GASTROPODA
	150	01	GENUS:	CERITHIUM
	160	01	SPECIES:	MUSCARUM
	200	01	IDENTIFIER:	YOUNG, D.K.
	210	01	TOTAL NUMBER, TOTAL WEIGHT(GRAMS):	1.00E+01
02736003	100	01	PHYLUM:	MOLLUSCA
	110	01	CLASS:	GASTROPODA
	150	01	GENUS:	CREPIDULA
	160	01	SPECIES:	FORNICATA
	200	01	IDENTIFIER:	YOUNG, D.K.
	210	01	TOTAL NUMBER, TOTAL WEIGHT(GRAMS):	1.00E+00
02736004	100	01	PHYLUM:	MOLLUSCA
	110	01	CLASS:	GASTROPODA
	150	01	GENUS:	NASSARIUS
	160	01	SPECIES:	VIBEX
	200	01	IDENTIFIER:	YOUNG, D.K.
	210	01	TOTAL NUMBER, TOTAL WEIGHT(GRAMS):	1.00E+00
02736005	100	01	PHYLUM:	MOLLUSCA
	110	01	CLASS:	GASTROPODA
	150	01	GENUS:	MODULUS
	160	01	SPECIES:	MODULUS
	200	01	IDENTIFIER:	YOUNG, D.K.
	210	01	TOTAL NUMBER, TOTAL WEIGHT(GRAMS):	1.00E+00
02736006	100	01	PHYLUM:	MOLLUSCA
	110	01	CLASS:	GASTROPODA
	150	01	GENUS:	HAMINDEA
	160	01	SPECIES:	ELEGANS
	200	01	IDENTIFIER:	YOUNG, D.K.
	210	01	TOTAL NUMBER, TOTAL WEIGHT(GRAMS):	1.60E+01
02736007	100	01	PHYLUM:	MOLLUSCA
	110	01	CLASS:	PELECYPODA
	150	01	GENUS:	LYNSTA

FIGURE 1:
EXAMPLE OF BIOLOGICAL DATA FILE
STRUCTURE AND CONTENTS

Category: 010
 Content: Station number, date (day, month, year), water depth from, water depth to (meters)
 Format: A8, 1X, 16, 1X, F5.1, 1X, F5.1

Category: 020
 Content: Cruise number (see code definitions for ship prefix)
 Format: A5

Category: 025
 Content: Tide (see code definitions)
 Format: A2

Category: 030
 Content: Gear, zone (see code definitions)
 Format: A3, 1X, A3

Category: 031
 Content: Wind speed, wind direction, weather, tide, previous rain (see code definitions)
 Format: 12, 1X, A3, 1X, 12, 1X, A2, 1X, A1

Category: 032
 Content: Surface current speed, surface current direction (see code definitions)
 Format: 12, 1X, A3

Category: 033
 Content: Bottom current speed, bottom current direction (see code definitions)
 Format: 12, 1X, A3

Category: 034
 Content: Cloud cover (tenths), water visibility (meters), gear (see code definitions)
 Format: 12, 1X, 13 or F3.1, 1X, A3

Category: 035
 Content: Moon phase (days after full moon)
 Format: 12

Category: 040
 Content: Latitude-Longitude begin (degrees and minutes), accuracy (1/100 min)
 Format: F7.2, 1X, F7.2, 1X, 12

Category: 041
 Content: Latitude-Longitude end (degrees and minutes)
 Format: F7.2, 1X, F7.2

Category: 050
 Content: Gear depth from, gear depth to (meters)
 Format: F5.1, 1X, F5.1

Category: 051
 Content: Tidal range (meters)
 Format: F3.1

Category: 060
 Content: Gear time begin, gear time end (local time)
 Format: 14, 1X, 14

Category: 070
 Content: Water temperature (°C)
 Format: F4.1

Category: 079
 Content: Temperature (°C), depth (meters), dissolved oxygen (ppm),
 PH, conductivity (KHMo), Eh (MV+)
 Format: F4.1, 1X, F4.1, 1X, F5.2, 1X, F5.2, 1X, E8.2, 1X, 13
 Default value: 99.9, 99.9, 99.-9, 99.99, 9.99E+99, blank

Category: 080
 Content: Salinity (parts/1000)
 Format: F4.1

Category: 081
 Content: Chlorophyll A: Total, nano (milligrams/meter cubed)
 Format: F5.2, 1X, F5.2

Category: 082
 Content: Chlorophyll B: Total, nano (milligrams/meter cubed)
 Format: F5.2, 1X, F5.2

Category: 083
 Content: Chlorophyll C: Total, nano (milligrams/meter cubed)
 Format: F5.2, 1X, F5.2

Category: 084
 Content: Carotenoids, phaeopigments, live chlorophyll A (milligrams/
 meter cubed)
 Format: 3 (F5.2, 1X)
 Default value: 99.99, 99.99, blank

Category: 085
 Content: Diatoms, dinoflagellates, blue-green, flagellates (per meter cubed)
 Format: 4 (E8.2, 1X)
 Default value: 9.99E+99, 9.99E+99, 9.99E+99, blank

Category: 086
 Content: Total phytoplankton/meter cubed, total number of species
 Format: E8.2, 1X, 13

Category: 087
Content: SiO_4 , NO_3 , PO_4 , NH_3 (micro moles/liter)
Format: 4 (E8.2, 1X)
Default value: 9.99E+99, 9.99E+99, 9.99E+99, blank

Category: 088
Content: S, NO_2 , TPO_4 , TKN, TIP_4 (micro moles/liter)
Format: 5 (E8.2, 1X)
Default value: 9.99E+99, 9.99E+99, 9.99E+99, 9.99E+99, blank

Category: 089
Content: Color absorbency (400 nanom), turbidity (Jackson units)
Format: F5.3, 1X, 15
Default value: 9.999, blank

Category: 090
Content: Biotope types: (M) Marine or (F) Freshwater or (T) Terrestrial,
(see code definitions)
Format: A1, 1X, A3, 1X, A3, 1X, A3

Category: 091
Content: Community substrate: (A) artificial or (N) natural, type,
orientation, direction (see code definitions)
Format: A1, 1X, 12, 1X, A1, 1X, A1

Category: 092
Content: Emersion time (months)
Format: F4.1

Category: 095
Content: Total number, total weight (grams)
Format: 16, 1X, F8.1

Category: 096
Content: Number/meter², grams/meter²
Format: E8.2, 1X, E8.2

Category: 097
Content: Sample summary: Number of species, diversity index formula
(see code definitions), no.'s species diversity value, no.'s
evenness value, wt.'s species diversity value, wt.'s evenness value
Format: 13, 1X, A2, 1X, F5.3, 1X, F5.3, 1X, F5.3, 1X, F5.3

The following are all formatted A20:

<u>Category</u>	<u>Content</u>
100	Phylum
101	Subphylum
102	Superclass
110	Class
113	Subclass
116	Superorder
120	Order
121	Suborder

<u>Category</u>	<u>Content</u>
126	Supersection
130	Section
135	Subsection
137	Superfamily
140	Family
145	Subfamily
150	Genus
160	Species, subspecies or variety, form
195	I.D. number
Category:	200
Content:	Identifier
Format:	A20
Category:	201
Content:	Museum accession number
Format:	17
Category:	210
Content:	Total number, total weight (grams)
Format:	E8.2, IX, E8.2
Category:	220
Content:	Number/meter ² , grams/meter ²
Format:	E8.2, IX, E8.2
Category:	221
Content:	Percent plate coverage
Format:	12
Category:	222
Content:	Number/meter ³
Format:	E8.2
Category:	230
Content:	Microsubstrates (see code definitions)
Format:	12, IX, 12, IX, 12
Category:	300
Content:	Percent cover (bottom)
Format:	13
Category:	310
Content:	Number of shoots, number of leaves: Botany (per meter squared)
Format:	14, IX, 14
Category:	320
Content:	Leaf biomass, root-rhizome biomass: Botany (milligrams)
Format:	16, IX, 16
Default value:	999999, blank

Category: 330
 Content: Total biomass: Botany (milligrams)
 Format: 16

Category: 350
 Content: Reproductive status of sample (see sex codes)
 Format: 13 (12, 1X)

Category: 361
 Content: Radius: Phytoplankton (microns)
 Format: F9.4

Category: 362
 Content: Radius, height: Phytoplankton (microns)
 Format: F9.4, 1X, F9.4

Category: 363
 Content: Radius, height: Phytoplankton (microns)
 Format: F9.4, 1X, F9.4

Category: 364
 Content: Altitude, base, height: Phytoplankton (microns)
 Format: F9.4, 1X, F9.4, 1X, F9.4

Category: 365
 Content: Altitude/2, base, height: Phytoplankton (microns)
 Format: F9.4, 1X, F9.4, 1X, F9.4

Category: 366
 Content: Radius, height: Phytoplankton (microns)
 Format: F9.4, 1X, F9.4

Category: 380
 Content: Note (presence)
 Format: 11

Category: 400
 Content: Photograph (presence)
 Format: A1

Category: 410
 Content: Slide (presence)
 Format: A1

Category: 420
 Content: Biotope type, zone, gear (see code definitions)
 Format: A3, 1X, A3, 1X, A3

Category: 600
 Content: Stomatopods: Sex code, CW, CL, RCL, (millimeters)
 Format: 11, 1X, F5.1, 1X, F5.1, 1X, F5.1

Category: 601
 Content: Gymnopleura: Sex code, CW, FO, CL, RCL (millimeters)
 Format: 11, 1X, F5.1, 1X, F5.1, 1X, F5.1, 1X, F5.1

Category: 602
 Content: Hippidae: Sex code, CW, FO, CL, RCL (millimeters)
 Format: 11, 1X, F5.1, 1X, F5.1, 1X, F5.1, 1X, F5.1

Category: 603
 Content: Brachyura: Sex code, RCL, CL, CW, CW, FO, F, IMA (millimeters)
 Format: 11, 1X, F5.1, 1X, F5.1, 1X, F5.1, 1X, F5.1, 1X, F5.1, 1X, F5.1, 1X, F5.1, 1X, F4.2

Category: 604
 Content: Nitantia: Sex code, CL, RCL (millimeters)
 Format: 11, 1X, F5.1, 1X, F5.1

Category: 605
 Content: Macrura: Sex code, CW, CL, CL (millimeters)
 Format: 11, 1X, F5.1, 1X, F5.1, 1X, F5.1

Category: 606
 Content: Paguridea: Sex code, CL, CW, RCL (millimeters)
 Format: 11, 1X, F5.1, 1X, F5.1, 1X, F5.1

Category: 607
 Content: Galathedeia: Sex code, CW, CL, RCL (millimeters)
 Format: 11, 1X, F5.1, 1X, F5.1, 1X, F5.1

Category: 610
 Content: Number: Adult males, adult females, ovigerous females, juvenile males, juvenile females, spent females, unknown, intersex
 Format: 8 (13, 1X)

Category: 611
 Content: Number: adult males, ovigerous females, unknown, unknown adults, unknown juveniles, adult females
 Format: 6 (13, 1X)

Category: 700
 Content: Length, width
 Format: F5.1, 1X, F5.1

Category: 701
 Content: Cephalopoda: Mantle length, no. rows of suckers, arm length
 Format: F5.1, 1X, 14, 1X, F5.1

Category: 702
 Content: Height, width, aperture length, number whorls
 Format: F5.1, 1X, F5.1, 1X, F5.1, 1X, 12

Category: 703
 Content: Pelecypoda: Length, width
 Format: F5.1, 1X, F5.1

Category: 704
 Content: Scaphapoda: Length
 Format: F5.1

Category: 800
 Content: Fish: Standard length (mm), weight (gm)
 Format: 15, 1X, F8.2

Category: 801
 Content: Fish No: Adult males, adult females, ovigerous females,
 spent females, intersex, larvae, juveniles, ripe males,
 spent males
 Format: 9 (13, 1X)

Category: 802
 Content: Fish: Total biomass (grams)
 Format: E8.2

Coded data are defined by the enclosed code definition sheets.

NOTE: SEVERAL OF THESE CATEGORIES CONTAIN NO DATA AT PRESENT

INDIAN RIVER COASTAL ZONE STUDY
SELGEM Chemical Data File Interpretation Documentation

INDIAN RIVER COASTAL ZONE STUDY
SELGEM CHEMICAL DATA FILE
INTERPRETATION DOCUMENTATION

Indian River Coastal Zone Study chemical data are stored via the Smithsonian Institution Information Service's SELGEM data management system. (e.g. Figure 2).

The first eight characters of each data line represent the file serial number which gives unity to each data record. Chemical data records are assigned serial numbers on the basis of station number and date. Therefore, all parameters measured at a particular location on a given date will have identical serial numbers. Serial numbers are assigned in numerical sequence as data are received by the data processing center. Other than providing unity to a set of data, the serial number has no significance. However, the data file is sorted by serial number beginning with the definition record serial number, 00000000.

The next three characters, the category number, of each data line reference the data content of that line. For example, if one were interested in temperature than category number 900, containing temperature information, would be examined. The information to be found under each category number is defined by the definition record, serial number 00000000.

The following two characters of each data line represent the line number. The line number is usually 01 and will change only if more than one measurement of a particular parameter is recorded. For instance, if iron were measured twice at a particular station and time then this information would be recorded on two lines having line numbers 01 and 02.

The remaining characters, formed into words separated by blanks, represent the information content of each line.

Information content, information content format and default values for each category number follow. Default values are utilized when non-measured parameters occur between measured parameters on a data line. Non-measured parameters occurring after the last measured parameter are left blank. Parameters measured but below limits of detectability are recorded as zero.

Category: 010
Content: Station number, date (month, day, year)
Format: A8, 1X, 16

Category: 012
Content: Wind speed, wind direction (code), weather (code), tide stage (feet above mean low water), previous rain (x indicates probable precipitation influence)
Format: 12, 1X, A3, 1X, 12, 1X, 12, 1X, A1
Default values: 99, UNK, 10, 99, Blank

Category: 020
 Content: Cruise number, chemistry number, area numbers
 Format: A5, 1X, 13, 3(1X, 12)

Category: 040
 Content: Latitude, Longitude (degrees and minutes)
 Format: F7.2, 1X, F7.2

Category: 060
 Content: Time (local)
 Format: 14

Category: 900
 Content: Temperature (°C), depth (meters), dissolved oxygen (ppm), Ph, conductivity (KHMO), Eh (MV+)
 Format: F4.1, 1X, F4.1, 1X, F5.2, 1X, F5.2, 1X, E8.2, 1X, 13
 Default values: 99.9, 99.9, 99.99, 99.99, 9.99E+99, 999

Category: 910
 Content: Silicate, nitrate, phosphate, ammonia (micromoles/liter)
 Format: 4 (E8.2, 1X)
 Default values: 4(9.99E+99)

Category: 920
 Content: Sulfur, nitrite, total phosphorous, total kjedal nitrogen, total inorganic phosphorous (micromoles/liter)
 Format: 4(E8.2, 1X)
 Default values: 4(9.99E+99)

The following are all formatted E8.2:

<u>Category</u>	<u>Content</u>
952	Calcium (milligrams/liter)
956	Copper (milligrams/liter)
957	Iron (milligrams/liter)
959	Potassium (milligrams/liter)
960	Lithium (milligrams/liter)
961	Magnesium (milligrams/liter)
962	Sodium (milligrams/liter)
967	Strontium (milligrams/liter)
968	Zinc (milligrams/liter)

Coded data are defined by the enclosed code definition sheets.

INDIAN RIVER COASTAL ZONE STUDY CODES

CRUISE NUMBER PREFIX

<u>DESCRIPTOR</u>	<u>CODE LETTER</u>
Gosnold	G
Hernan Cortez	C0001
Blue Fox	F
Houseboat	H
Sea Hunter I	S
Joie De Vivre	V
Johnson	J
Sea Diver	D
Oregon 2	C0002
Bowers	C0003

DIVERSITY INDEX TYPES

<u>DESCRIPTOR</u>	<u>CODE</u>
Brillouin	BR
Shannon & Weaver	SW

NOTE: Values recorded were calculated using natural logarithms.

TIDE

<u>DESCRIPTOR</u>	<u>CODE</u>
Ebb	EB
Flood	FL
Slack Low	SL
Slack High	SH
Unknown	UN

GEAR

<u>DESCRIPTOR</u>	<u>CODE</u>
Kirtley Dredge	KIR
Box Dredge	BOX
Small Biological Dredge	SBD
Bucket	BKT
Bucket Dredge	BUC
Pipe Dredge	PIP
Small Biological Trawl	SBT
8' Otter Trawl, 1" stretch mesh	OTA
10' Otter Trawl, 1" stretch mesh	OTB
20' Otter Trawl, 1" stretch mesh	OTC
5' Blake Trawl	BLK
6' IKMT	IKT
Dip Net	DIP
10'x6', 1/8" mesh seine	SNA
20'x6', 1/8" mesh seine	SNB
50'x6', 1/8" mesh seine	SNC
50'x6', 1/4" mesh seine	SND
50'x6', 1/8" mesh seine plus	
50'x6', 1/4" mesh seine	SNF
1/4" mesh cast net	CSN
600'x10', 2" stretch mesh gill net	GIL
#12, 120 plankton net	PLA
#6, 243 plankton net	PLB
#2, 390 plankton net	PLC
#0, 571 plankton net	PLD
Surround net	SUR
Drop Net	DRP
Drop Net, 10 square feet	DRQ
Ponar Grab	PON
Shipek Grab	SPG
200'x10', 2" stretch mesh gill net	GIN

GEAR (cont.)

<u>DESCRIPTOR</u>	<u>CODE</u>
Smith McIntyre Grab	SMC
Post-Hole Sampler	PHS
Gravity Corer	COR
Poison	POI
Hook and Line	HAL
Trap	TRP
Hand Collected	HND
Camera	CAM
Photometer	PHO
Combination	COM
Unknown	UNK
10 cm. Core	CRA
12 cm. Core	CRB
CSTD	CTD
STD	STD
XTB	XTB
200' Seine and Others	SNG
Submersible Manipulator	MAN
Drop Net	DRP

ZONE

<u>DESCRIPTOR</u>	<u>CODE</u>
Supratidal	SPT
Intertidal	INT
Inshore Benthic	INB
Epipelagic	EPI
Mesopelagic	MES
Inshore Neritic	INN
Offshore Neritic	OFN
Combination	COM
Offshore Benthic	OFB
Fresh Water	FRW
Estuarine	EST
Unknown	UNK

SEX

<u>DESCRIPTOR</u>	<u>CODE</u>
Male	01
Juvenile Male	02
Female	03
Juvenile Female	04
Ovigerous Female	05
Spent Male	06
Unknown	07
Intersex	08
Larval	09
Unknown Adult	10
Unknown Juvenile	11
Ripe Male	12
Spent Male	13
Sterile	14
Swarmers	15
Swarmers Released	16
Gametangia	17
Mono Spores	18
Tetraspores	19
Polyspores	20
Monolocular Sporangia	21
Plurilocular Sporangia	22

BIOTOPE (MARINE OR FRESH WATER)

<u>DESCRIPTOR</u>	<u>CODE</u>
Mangrove	MAN
Grass Flat	GRS
Salt Marsh	SLT
Mud Flat	MUD
Rocky Shore	RKY
Artificial Hard Substrate	AHS
Worm Reef	WRM
Sandy Shore	SND
Oyster Bar	OYS
Coral Reef or Rubble	COR
Coquinoid Rock, Reef or Rubble	COQ
Spoil Bank	SPL
Floating Plants	FLT
Creek, River or Canal	CRC
Pond or Lake	PND
Impoundment	IMP
Unknown	UNK
Combination	COM
Mud Bottom	MUB
Sand and Shell Bottom	SHS

BIOTOPE (MARINE OR FRESH WATER) (cont.)

<u>DESCRIPTOR</u>	<u>CODE</u>
Mid Water	MWT
Sand Bottom	SAN
Rock Rubble	RUB
<u>Oculina</u>	OCL
<u>Gorgonia</u>	GOR
Epiphyte of <u>Halodule</u>	EHA
Epiphyte of <u>Syringodium</u>	ESY
Epiphyte of <u>Thalassia</u>	ETH
Epiphyte of Algae	EAL
Epiphyte of Mangrove	EMA
Epiphyte of Saw Grass	ESG

WIND FORCE

<u>DESCRIPTOR</u>	<u>KNOTS</u>	<u>M.P.H.</u>	<u>CODE</u>
Calm	less than 1	less than 1	00
Light Air	1 - 3	1 - 3	01
Light Breeze	4 - 6	4 - 7	02
Gentle Breeze	7 - 10	8 - 12	03
Moderate Breeze	11 - 16	13 - 18	04
Fresh Breeze	17 - 21	19 - 24	05
Strong Breeze	22 - 27	25 - 31	06
Near Gale	28 - 33	32 - 38	07
Gale	34 - 40	39 - 46	08
Unknown			09

FOULING CODES

Community Substrate Type

Wood	01
Mangrove	02
Metal	03
Concrete	04
Stone	05
Shell	06
Fireplace Tile	07
Glass	08
Unknown	99

Community Substrate Orientation

Verticle	V
Horizontal	H
Unknown	U

Community Substrate Direction

North	N
South	S
East	E
West	W
Top Surface	T
Bottom Surface	B
Unknown	U

Micro Substance

Barnacle Shell	01
Tunicate test	02
Plant	03
Mollusk shell	04

INDIAN RIVER COASTAL ZONE STUDY
Species Inventory List November 1976

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INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

PHYLUM: RHODOPHYTA	130000000000
ORDER: NEMALIONALES	130002000000
FAMILY: CHAETANGIACEAE	130002030000
SPECIES: COMPLANATA	130002030201
GENUS: GALAXAURA	130002030300
SPECIES: CYLINDRICA	130002030309
SPECIES: UBLONGATA	130002030310
SPECIES: UBTUSATA	130002030311
SUBSPECIES: MAJOR	130002030312
SPECIES: MARGINATA	130002030314
SUBSPECIES: LINEARIS	130002030314
ORDER: GELIDIALES	130003000000
SPECIES: PUSILLUM	130003010201
FAMILY: WURDEMANNIACEAE	130003020000
GENUS: WURDEMANNIA	130003020100
SPECIES: MINIATA	130003020101
ORDER: CRYPTONEMIALES	130004000000
FAMILY: SQAMARIACEAE	130004040000
GENUS: PEYSSONNELIA	130004040200
SPECIES: RUBRA	130004040201
FAMILY: CORALLINACEAE	130004050000
SPECIES: MESOMORPHUM	130004050304
SPECIES: ERUBESCENS	130004050311
SPECIES: OCCIDENTALE	130004050314
GENUS: FOSLIELLA	130004050400
SPECIES: AFFINIS	130004050403
SPECIES: FARINOSA	130004050405
SPECIES: DAEDALEUM	130004050511
SPECIES: DISPALATUM	130004050606
SPECIES: STRICTUM	130004050609
SPECIES: PACHYDERMUM	130004050701
GENUS: AMPHIKOA	130004050800
SPECIES: FRAGILISSIMA	130004050801
SPECIES: RIGIDA	130004050802
SPECIES: SAGITTATUM	130004050901
GENUS: JANIA	130004051200
SPECIES: CAPILLACEA	130004051201
SPECIES: ADHERENS	130004051202
SPECIES: RUBENS	130004051203
FAMILY: GRATELLOPIACEAE	130004060000
GENUS: HALYMENIA	130004060100
SPECIES: AGARDHII	130004060101
SPECIES: FLORESIA	130004060102
SPECIES: GELINARIA	130004060108
SPECIES: INTEGRAL	130004060110
SPECIES: VINACEA	130004060111
GENUS: CRYPTONEMIA	130004060300
SPECIES: CREMULATA	130004060301
SPECIES: LUXURIANS	130004060303
FAMILY: KALLYMENIACEAE	130004070000

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

GENUS: KALLYMENIA	130004070200
SPECIES: PERFORATA	130004070202
ORDER: GIGARTINALES	130005000000
FAMILY: NEMASTOMATACEAE	130005010000
GENUS: TITANOPHORA	130005010300
SPECIES: INCRUSTANS	130005010301
FAMILY: GRACILARIACEAE	130005020000
GENUS: GRACILARIA	130005020200
SPECIES: VERRUCOSA	130005020201
SPECIES: DEBILIS	130005020204
SPECIES: COMPRESSA	130005020207
SPECIES: FEROX	130005020208
SPECIES: FOLIIFERA	130005020212
SUBSPECIES: ANGUSTISSIMA	130005020213
SPECIES: MAMILLARIS	130005020214
SPECIES: CUNEATA	130005020216
SPECIES: CURTISSIAE	130005020217
SPECIES: BUDGETTII	130005020219
SPECIES: CYLINDRICA	130005020220
FAMILY: SOLLIERIACEAE	130005040000
GENUS: SOLLIERIA	130005040100
SPECIES: TENERA	130005040101
SPECIES: RAMOSISSIMA	130005040201
GENUS: EUCHEUMA	130005040300
SPECIES: ISIFURME	130005040306
SUBSPECIES: DENUADUM	130005040307
SPECIES: SCHRAMMII	130005040308
FAMILY: HYPNEACEAE	130005070000
GENUS: HYPNEA	130005070100
SPECIES: SPINELLA	130005070101
SPECIES: CERVICORNIS	130005070102
SPECIES: MUSCIFORMIS	130005070104
ORDER: RHODYMENTALES	130006000000
FAMILY: RHODYMENTIACEAE	130006010000
SPECIES: PELTATA	130006010102
GENUS: LEPTODIAPYCNIA	130006010200
SPECIES: RHODYMENTIODES	130006010202
GENUS: CHRYSYMENTIA	130006010300
SPECIES: ENTEROMORPHA	130006010302
GENUS: BOTRYDIA	130006010700
SPECIES: PYRIFORMIS	130006010701
SPECIES: OCCIDENTALIS	130006010702
SPECIES: PSEUDOPALMATA	130006010902
SPECIES: AMANITIFORMIS	130006011010
FAMILY: CHAMPIACEAE	130006020000
GENUS: CHAMPIA	130006020400
SPECIES: PARVULA	130006020401
ORDER: CERAMIALES	130007000000
FAMILY: CERAMIAACEAE	130007010000

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

GENUS: CRUQUANIA	130007010100
SPECIES: ATTENUATA	130007010101
SPECIES: CRUCIATUM	130007010301
GENUS: WRANGELIA	130007010500
SPECIES: ARGUS	130007010501
GENUS: CALLITHAMNION	130007010600
SPECIES: HALLIAE	130007010601
SPECIES: BYSSOIDES	130007010603
SUBSPECIES: JAMAICENSIS	130007010604
SPECIES: CORDATUM	130007010605
SPECIES: DUPERREYI	130007011001
GENUS: GRIFFITHSIA	130007011100
SPECIES: GLOBULIFERA	130007011106
GENUS: SPERMOTHAMNION	130007011200
SPECIES: TURNERI	130007011202
SPECIES: INVESTIENS	130007011205
SPECIES: GORGONEUM	130007011208
GENUS: CERAMIUM	130007011400
SPECIES: CODII	130007011402
SPECIES: FASTIGIATUM	130007011403
SUBSPECIES: FLACCIDA	130007011404
SPECIES: BREVIUNATUM	130007011405
SUBSPECIES: CARAIBICA	130007011406
SPECIES: SUBTILE	130007011407
SPECIES: BYSSODEUM	130007011408
SPECIES: DIAPHANUM	130007011415
GENUS: CENTROCERAS	130007011600
SPECIES: CLAVULATUM	130007011601
GENUS: SPYRIDIA	130007011700
SPECIES: FILAMENTOSA	130007011701
SUBSPECIES: REFRACTA	130007011702
SPECIES: CLAVATA	130007011704
SPECIES: ACULEATA	130007011705
SUBSPECIES: DISTICHA	130007011707
FAMILY: DELESSEPIACEAE	130007011710
SPECIES: LEPRIEURII	130007020101
SPECIES: TENUIFOLIUM	130007020202
GENUS: GRINNELIA	130007020400
SPECIES: AMERICANA	130007020401
SUBSPECIES: CARIBAEA	130007020402
SPECIES: PUNCTATUM	130007020701
GENUS: ACROSORIUM	130007020800
SPECIES: ODONTOPHURUM	130007020802
GENUS: CRYPTOPLEURA	130007021000
SPECIES: FIMBRIATA	130007021001
GENUS: MARTENSIA	130007021100
SPECIES: PAVONIA	130007021101
FAMILY: DASYACEAE	130007030000
GENUS: DASYA	130007030100

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

SPECIES: PEDICELLATA	130007030110
SPECIES: MOLLIS	130007030111
GENUS: HETEROSIPHONIA	130007030300
SPECIES: WURDEMANNI	130007030301
SPECIES: GIBBESII	130007030304
FAMILY: RHODUMELACEAE	130007040000
GENUS: POLYSIPHONIA	130007040200
SPECIES: GORGONIAE	130007040202
SPECIES: HAVANENSIS	130007040205
SUBSPECIES: MUCOSA	130007040206
SPECIES: BINNEYI	130007040207
SPECIES: MACROCARPA	130007040208
SPECIES: FERULACEA	130007040209
SPECIES: HAPALACANTHA	130007040211
GENUS: BRYOTHAMNION	130007040400
SPECIES: SEAFURTHII	130007040401
SUBSPECIES: IMBRICATA	130007040402
SPECIES: TRIQUETRUM	130007040404
GENUS: WRIGHTIELLA	130007040800
SPECIES: TUMANGWICZI	130007040802
SPECIES: RADICANS	130007041101
GENUS: HETEROSIPHONIA	130007041300
SPECIES: PECTEN VENERIS	130007041302
SPECIES: SECUNDA	130007041304
SPECIES: TENELLA	130007041305
GENUS: LUPHOSIPHONIA	130007041400
SPECIES: SACCHARIZA	130007041401
GENUS: CHONDRIA	130007041900
SPECIES: CNICOPHYLLA	130007041905
SPECIES: CRUVILINEATA	130007041911
SPECIES: COLLINISIANA	130007041912
GENUS: ACANTHOPHORA	130007042100
SPECIES: MUSCUIDES	130007042101
SPECIES: SPICIFERA	130007042102
GENUS: LAURENCIA	130007042200
SPECIES: CORALLUPSTIS	130007042202
SPECIES: PAPILLUSA	130007042203
SPECIES: UBTUSA	130007042207

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

PHYLUM: PHAEOPHYTA	120000000000
ORDER: ECTOCARPALES	120001000000
FAMILY: ECTOCARPACEAE	120001010000
GENUS: ACINETOSPORA	120001010100
SPECIES: PUSILLA	120001010102
GENUS: ECTOCARPUS	120001010300
SPECIES: SILICULOSUS	120001010301
SPECIES: ELACHISTAIFORMIS	120001010308
GENUS: GIFFORDIA	120001010600
SPECIES: MITCHELLAE	120001010601
SPECIES: CONIFERA	120001010602
SPECIES: RALLSTAE	120001010605
ORDER: DICTYOTALES	120003000000
FAMILY: DICTYOTACEAE	120003010000
GENUS: DICTYOTA	120003010700
SPECIES: DICHOTOMA	120003010201
SUBSPECIES: MENSTRUALIS	120003010202
SPECIES: BARTAYRESII	120003010204
SPECIES: CILIOLATA	120003010209
GENUS: SPATOGLOSSUM	120003010300
SPECIES: SCHRUEDERI	120003010301
GENUS: DICTYOPTERIS	120003010400
SPECIES: MEMBRANACEA	120003010402
SPECIES: DELICATULA	120003010403
GENUS: LOBOPHORA	120003010600
SPECIES: VARIEGATA	120003010601
GENUS: STYPOPODIUM	120003010700
SPECIES: ZONALE	120003010701
GENUS: PADINA	120003010800
SPECIES: VICKERSIAE	120003010804
ORDER: PUNCTARIALES	120007000000
FAMILY: STRIARIACEAE	120007010000
GENUS: STICTYOSIPHON	120007010100
SPECIES: SUBSIMPLEX	120007010101
FAMILY: PUNCTARIACEAE	120007020000
GENUS: MYRIOTRICHIA	120007020100
SPECIES: SUBCORYMBOSA	120007020101
SPECIES: FASCIA	120007020301
GENUS: COMPOMENIA	120007020500
SPECIES: SINUOSA	120007020501
GENUS: ROSENVINGEA	120007020700
SPECIES: INTRICATA	120007020703
ORDER: FUCALES	120008000000
FAMILY: SARGASSACEAE	120008020000
GENUS: SARGASSUM	120008020200
SPECIES: FILIPENDULA	120008020201
SPECIES: VULGARE	120008020207
SPECIES: BERMUDENSE	120008020210
SPECIES: HYSTRIX	120008020220

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
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SUBSPECIES: BUXIFOLIUM
SUBSPECIES: SPINULOSUM

120008020221
120008020222

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

PHYLUM: CHLOROPHYTA	04000000000
ORDER: ULOTRICHALES	04000300000
FAMILY: ULVACEAE	04000305000
GENUS: PERCURSARIA	040003050100
SPECIES: PERCURSA	040003050101
GENUS: ENTEROMORPHA	040003050200
SPECIES: SALINA	040003050201
SPECIES: CLATHRATA	040003050206
SPECIES: ERECTA	040003050207
SPECIES: PRULIFERA	040003050208
SPECIES: LINCOLATA	040003050210
SPECIES: COMPRESSA	040003050211
SPECIES: FLEXUOSA	040003050213
SPECIES: INTESTINALIS	040003050216
GENUS: ULVA	040003050400
SPECIES: LACTUCA	040003050409
SUBSPECIES: LATISSIMA	040003050410
ORDER: PRASIDIALES	04000400000
ORDER: CLADOPHORALES	04000500000
FAMILY: CLADOPHORACEAE	04000501000
GENUS: CHAETOMORPHA	040005010100
SPECIES: GRACILIS	040005010101
SPECIES: BRACHYGONA	040005010102
SPECIES: LINUM	040005010104
SPECIES: CRASSA	040005010105
SPECIES: MINIMA	040005010106
SPECIES: NODOSA	040005010107
SPECIES: RIPARIUM	040005010202
GENUS: CLADOPHORA	040005010300
SPECIES: SERICEA	040005010313
SPECIES: FRACTA	040005010314
SUBSPECIES: FRACTA	040005010315
SPECIES: DELICATULA	040005010318
FAMILY: DASYCLADACEAE	04000601000
SPECIES: JERSTEDI	040006010101
GENUS: ACETABULARIA	040006010500
SPECIES: POLYPHYSOIDES	040006010503
SPECIES: CALYCVLUS	040006010505
ORDER: SIPHONOCADIALES	04000700000
FAMILY: VALONIAACEAE	04000701000
GENUS: VALONIA	040007010200
SPECIES: VENTRICOSA	040007010201
FAMILY: SIPHONOCADACEAE	04000702000
GENUS: CLADOPHOROPSIS	040007020500
SPECIES: MEMBRANACEA	040007020501
FAMILY: BOODLEACEAE	04000703000
GENUS: STRUVEA	040007030200
SPECIES: ANASTOMOSANS	040007030201
SUBSPECIES: CARACASANA	040007030202

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
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SPECIES: RAMOSA	040007030203
FAMILY: ANADYOMENIACEAE	040007040000
GENUS: CYSTODICTYON	040007040200
SPECIES: PAVONIUM	040007040201
GENUS: ANADYOMENE	040007040300
SPECIES: STELLATA	040007040301
SUBSPECIES: PROTUTYPA	040007040302
ORDER: SIPHONALES	040008000000
FAMILY: DERBESACEAE	040008020000
GENUS: DERBESIA	040008020100
SPECIES: VAUCHERIAEFORMIS	040008020101
SPECIES: MAKINA	040008020102
SPECIES: HYPNOIDES	040008030101
SPECIES: PENNATTA	040008030105
FAMILY: CAULERPACEAE	040008040000
GENUS: CAULERPA	040008040100
SPECIES: FASTIGIATA	040008040101
SPECIES: VERTICILLATA	040008040108
SPECIES: PRULIFERA	040008040114
SUBSPECIES: UBOVATA	040008040114
SPECIES: MEXICANA	040008040117
SUBSPECIES: LAXIOR	040008040117
SPECIES: SERTULARIOIDES	040008040121
SPECIES: SERTULARIOIDES	040008040122
SUBSPECIES: BREVIPES	040008040122
SPECIES: SERKULATA	040008040127
SUBSPECIES: BERYANA	040008040130
SPECIES: CUPRESSOIDES	040008040136
SUBSPECIES: LYCOPDIUM	040008040136
SUBSPECIES: MAMILLUSA	040008040141
SPECIES: PASPALOIDES	040008040150
SUBSPECIES: WURDEMANNI	040008040150
SPECIES: RACEMOSA	040008040153
SUBSPECIES: TURBINATA	040008040153
SUBSPECIES: CLAVIFERA	040008040154
SUBSPECIES: LAETEVIRENS	040008040157
SUBSPECIES: MACRUPHYSA	040008040160
SUBSPECIES: OCCIDENTALIS	040008040161
SUBSPECIES: UVIFERA	040008040162
FAMILY: CODIACEAE	040008050000
SPECIES: NIGRICANS	040008050203
SPECIES: TOMENTOSA	040008050301
GENUS: PSEUDOCODIUM	040008050500
SPECIES: FLURIDANUM	040008050501
GENUS: UDOTEA	040008050600
SPECIES: CONGLUTINATA	040008050602
SPECIES: SPINULOSA	040008050604

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
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SPECIES: PYRIFORMIS	040008050701
SPECIES: PHOENIX	040008050802
GENUS: HALIMEDA	040008050900
SPECIES: OPUNTIA	040008050901
SPECIES: TUNA	040008050908
SUBSPECIES: PLATYDISCA	040008050908
SPECIES: DISCOIDEA	040008050909
SUBSPECIES: PLATYLUBA	040008050910
SPECIES: SIMULANS	040008050913
SPECIES: INCRASSATA	040008050914
GENUS: CUDIUM	040008051000
SPECIES: INTERTEXTUM	040008051001
SPECIES: ISTHMOCLADUM	040008051004
SUBSPECIES: CLAVATUM	040008051005
SPECIES: DECORTICATUM	040008051006
SPECIES: TAYLORI	040008051007

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

PHYLUM: PTEROPSIDA	030000000000
ORDER: NAJADALES	030001000000
FAMILY: CYMODOCEACEAE	030001010000
GENUS: HALUDJIE	030001010100
SPECIES: WRIGHTII	030001010101
GENUS: SYRINGODIUM	030001010200
SPECIES: FILIFORME	030001010201
FAMILY: HYDROCHARITACEAE	030001020000
GENUS: THALASSIA	030001020100
SPECIES: TESTUDINUM	030001020101
GENUS: HALOPHILA	030001020200
SPECIES: ENGELMANNI	030001020201
SPECIES: BAILLOUIS	030001020202
SPECIES: JOHNSONII	030001020203
SPECIES: DECIPIENS	030001020204
FAMILY: RUPPIACEAE	030001030000
GENUS: RUPPIA	030001030100
SPECIES: MARITIMA	030001030101

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

PHYLUM: PROTISTA	31000000000
CLASS: CILIATA	31050000000
SUBCLASS: SPIROTRICHA	31100000000
ORDER: HETEROTRICHIDA	31100500000
GENUS: FULLICULINA	31100500050
SUBPHYLUM: SARCOMASTIGOPHORA	32000000000
SUPERCLASS: SARCOIDINA	32050000000
CLASS: RHIZOPODEA	32100000000
SUBCLASS: GRANULORETICULOSA	32150000000
ORDER: FORAMINIFERIDA	32150500000
SUBORDER: TEXTULARIINA	32151000000
FAMILY: RZEHAKINIDAE	32151001000
GENUS: MILIAMMINA	32151001050
SUPERFAMILY: LITUOLACEA	32151003000
FAMILY: LITUOLIDAE	32151006000
SUBFAMILY: LITUOLINAE	32151009000
GENUS: AMMOBACULITES	32151012050
FAMILY: TEXTULARIIDAE	32151015000
SUBFAMILY: TEXTULARIINAE	32151018000
GENUS: TEXTULARIA	32151018050
FAMILY: TROCHAMMINIDAE	32151021000
GENUS: TROCHAMMINA	32151021050
SUBORDER: MILIOLINA	32151500000
SUPERFAMILY: MILIOLACEA	32151503000
FAMILY: FISCHERINIDAE	32151506000
SUBFAMILY: CYCLOGYRINAE	32151509000
GENUS: CYCLOGYRA	32151509050
SPECIES: PLANORBIS	32151509055
FAMILY: MILIOLIDAE	32151512000
SUBFAMILY: QUINQUELOCULININAE	32151515000
GENUS: QUINQUELOCULINA	32151515050
SPECIES: SEMINULUM	32151515055
SPECIES: IMPRESSA	321515150510
SPECIES: TENAGOS	321515150515
SPECIES: UBLONGA	321515150520
GENUS: TRILOCULINA	32151515100
FAMILY: SORTIDAE	32151518000
SUBFAMILY: PENEROPLINAE	32151521000
GENUS: PENEROPLIS	32151521050
SPECIES: PERTUSUS	32151521055
SUBFAMILY: SORTINAE	32151524000
GENUS: SORTITES	32151524050
SUBORDER: RETALIINA	32152000000
SUPERFAMILY: NODOSARIACEA	32152003000
FAMILY: GLANDULINIDAE	32152006000
SUBFAMILY: UOLININAE	32152009000
GENUS: FISSURINA	32152009050
SUPERFAMILY: BULIMINACEA	32152012000
FAMILY: TURRILINIDAE	32152015000

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

SUBFAMILY: TURRILININAE	321520180000
GENUS: BULIMINELLA	321520180500
SPECIES: ELEGANTISSIMA	321520180505
FAMILY: BOLIVINITIDAE	321520210000
GENUS: BOLIVINA	321520210500
SPECIES: PAULA	321520210505
SPECIES: STRIATULA	321520210510
SPECIES: SUBEXCAVATA	321520210515
FAMILY: UVIGERINIDAE	321520240000
GENUS: TRIFARINA	321520240500
SPECIES: OCCIDENTALIS	321520240505
SUPERFAMILY: DISCORBACEA	321520270000
FAMILY: DISCORBIDAE	321520300000
SUBFAMILY: DISCORBINAE	321520330000
GENUS: NEOCONDORBINA	321520330500
GENUS: ROSALINA	321520331000
SPECIES: GLOBULARIS	321520331005
GENUS: STETSONIA	321520331500
SPECIES: MINUTA	321520331505
FAMILY: SPIRILLINIDAE	321520340000
GENUS: SPIRILLINA	321520340500
SUPERFAMILY: ROTALIACEA	321520360000
FAMILY: ROTALIIDAE	321520390000
SUBFAMILY: ROTALIINAE	321520420000
GENUS: AMMONIA	321520420500
SPECIES: BECCARII	321520420505
FAMILY: ELPHIDIIDAE	321520450000
SUBFAMILY: ELPHIDIINAE	321520480000
GENUS: ELPHIDIUM	321520480500
SPECIES: ADVENUM	321520480505
SPECIES: CLAVATUM	321520480510
SPECIES: GRANULOSUM	321520480512
SPECIES: GUNTERI	321520480515
SPECIES: INCERTUM	321520480520
SPECIES: MEXICANUM	321520480522
SPECIES: RUGULOSIUM	321520480523
SPECIES: SP.A	321520480525
SPECIES: SP.B	321520480530
SPECIES: SP.C	321520480535
SUPERFAMILY: GLOBIGERINACEA	321520510000
FAMILY: GLOBIGERINIDAE	321520540000
SUBFAMILY: GLOBIGERININAE	321520570000
GENUS: GLOBIGERINA	321520570500
SPECIES: RUBER	321520570505
SUPERFAMILY: URBITIDACEA	321520600000
FAMILY: EPONIDIDAE	321520610000
GENUS: EPONIDES	321520610500
FAMILY: CIBICIDIDAE	321520620000
GENUS: CIBICIDES	321520620500

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

FAMILY: PLANORBULINIDAE	32152063000
GENUS: PLANORBULINA	32152063050
SPECIES: MEDITERRANENSIS	32152063055
FAMILY: CYMBALOPURIDAE	32152064000
GENUS: CYMBALOPORRETTA	32152064050
SPECIES: ATLANTICA	32152064055
SUPERFAMILY: CASSIDULINACEA	32152066000
FAMILY: NONIUNIDAE	32152069000
SUPERFAMILY: NONIUNINAE	32152072000
GENUS: NONIUNELLA	32152072050
SPECIES: AURICULA	32152072055

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

PHYLUM: PORIFERA

CLASS: DEMOSPONGIAE

GENUS: CLIONA

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INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

PHYLUM: CNIDARIA	340000000000
CLASS: ANTHUZUA	341000000000
SUBCLASS: ZOPANTHARIA	342000000000
ORDER: ACTINARIA	342010000000
SUBCLASS: UCTOPORALLIA	343000000000
ORDER: ALCYONACEA	343010000000
CLASS: HYDRUZUA	344000000000
ORDER: HYDRONIDA	344010000000

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

PHYLUM: ECTOPROCTA	660000000000
CLASS: GYMNOLAEMATA	661000000000
ORDER: CFENOSTOMATA	661002000000
SUBORDER: STOLONIFERA	661004000000
SUPERFAMILY: VESICULARINOIDEA	661004020000
FAMILY: VESICULARIIDAE	661004040000
GENUS: BOWERBANKIA	661004040200
SPECIES: GRACILIS	661004040202
SPECIES: IMBRICATA	661004040204
SPECIES: SP.A	661004040206
GENUS: ZOOBOTRYON	661004040400
SPECIES: VERTICILLATUM	661004040402
GENUS: AMATHIA	661004040600
SPECIES: ALTERNATA	661004040602
SPECIES: DISTANS	661004040604
SUPERFAMILY: VALKERINOIDEA	661004060000
FAMILY: VALKERIIDAE	661004080000
GENUS: VALKERIA	661004080200
SPECIES: TREMULA	661004080202
GENUS: AEVERRILLIA	661004080400
SPECIES: ARMATA	661004080402
SPECIES: SETIGERA	661004080404
SUBORDER: CARNOSEA	661006000000
SUPERFAMILY: ALCYONELLOIDEA	661006020000
FAMILY: ALCYONIDIIDAE	661006040000
GENUS: ALCYONIDIUM	661006040200
SPECIES: POLYPYLUM	661006040202
SPECIES: POLYUUM	661006040204
SUPERFAMILY: PALUDICELLOIDEA	661006060000
FAMILY: VICTORELLIDAE	661006080000
GENUS: VICTORELLA	661006080200
SPECIES: PAVIDA	661006080202
GENUS: SUNDANELLA	661006080400
SPECIES: SIBOGAE	661006080402
FAMILY: NOLELLIDAE	661006100000
GENUS: NOLELLA	661006100200
SPECIES: STIPATA	661006100202
GENUS: ANGUINELLA	661006100400
SPECIES: PALMATA	661006100402
ORDER: CHEILOSTOMATA	661008000000
SUBORDER: ANASCA	661010000000
SUPERFAMILY: INVICELLOIDEA	661010020000
FAMILY: AETEIDAE	661010040000
GENUS: AETEA	661010040200
SPECIES: ANGUINA	661010040202
SPECIES: SICA	661010040204
SUPERFAMILY: MALACOSTEGOIDEA	661010060000
FAMILY: MEMBRANIPORIDAE	661010080000
GENUS: CONOPEUM	661010080200

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

SPECIES: COMMENSAL	661010080202
SPECIES: TENUISSIMUM	661010080204
SPECIES: SEURATI	661010080206
GENUS: MEMBRANIPORA	661010080400
SPECIES: TENUIS	661010080402
SPECIES: TUBERCULATA	661010080404
SPECIES: ABUSCENS	661010080406
FAMILY: ELECTRIDAE	661010100000
GENUS: ELECTRA	661010100200
SPECIES: BELLULA	661010100202
FAMILY: HINCKSIIDAE	661010120000
GENUS: APLUSINA	661010120200
SPECIES: GIGANTEA	661010120202
FAMILY: ALDERIIDAE	661010140000
GENUS: CRASSIMARGINATELLA	661010140200
SPECIES: LEUCOCYPHA	661010140202
SPECIES: TINCTA	661010140204
GENUS: PARELLISINA	661010140400
SPECIES: LATIROSTRIS	661010140402
FAMILY: CUPULADRIIDAE	661010160000
GENUS: CUPULADRIA	661010160200
SPECIES: CANARIENSIS	661010160202
SPECIES: DOMA	661010160204
GENUS: DISCOPORELLA	661010160400
SPECIES: UMBELLATA	661010160402
SUBSPECIES: DEPRESSA	661010160404
SUPERFAMILY: CELLULARIOIDEA	661010180000
FAMILY: BICELLARIELLIDAE	661010200000
GENUS: BUGULA	661010200200
SPECIES: NEKITINA	661010200202
SPECIES: STOLONIFERA	661010200204
SPECIES: MARCUSI	661010200206
SPECIES: MINIMA	661010200208
SPECIES: UNISERIALIS	661010200210
SPECIES: TURRITA	661010200212
GENUS: CAULIBUGULA	661010200400
SPECIES: PEARSEI	661010200402
FAMILY: BEANIIDAE	661010220000
GENUS: BEANIA	661010220200
SPECIES: INTERMEDIA	661010220202
SPECIES: HIRTISSIMA	661010220204
SPECIES: MIRABILIS	661010220206
FAMILY: SCRUPDCELLARIIDAE	661010240000
GENUS: SCRUPDCELLARIA	661010240200
SPECIES: BERTHOLETTII	661010240202
SPECIES: CERVICURNIS	661010240204
SPECIES: REGULARIS	661010240206
FAMILY: EPISTOMIIDAE	661010260000
GENUS: SYNNOTUM	661010260200

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

SPECIES: AEGYPTIACUM	661010260202
SUPERFAMILY: COELOSTEGDIDEA	661010280000
FAMILY: ONYCHOCELLIDAE	661010300000
GENUS: FLORIDINA	661010300200
SPECIES: ANTIQUA	661010300202
GENUS: FLORIDINELLA	661010300400
SPECIES: TYPICA	661010300402
GENUS: SMITTIPURA	661010300600
SPECIES: LEVINSENI	661010300602
FAMILY: MICROPORIDAE	661010320000
GENUS: MICROPORA	661010320200
SPECIES: CORIACEA	661010320202
FAMILY: STEGANOPORELLIDAE	661010340000
GENUS: STEGANOPORELLA	661010340200
SPECIES: ELEGANS	661010340202
FAMILY: THALAMOPORELLIDAE	661010360000
GENUS: THALAMOPORELLA	661010360200
SPECIES: GOTHICA	661010360202
SUBSPECIES: FLORIDANA	661010360204
SPECIES: FALCIFERA	661010360206
SUBORDER: CRIBRIMORPHA	661012000000
FAMILY: CRIBRILINIDAE	661012020000
GENUS: MEMBRANIPORELLA	661012020200
SPECIES: ARAGGI	661012020202
GENUS: CRIBRILARIA	661012020400
SPECIES: RADIATA	661012020402
GENUS: REGINELLA	661012020600
SPECIES: FLORIDANA	661012020602
GENUS: BELLULOPORA	661012020800
SPECIES: BELLULA	661012020802
SUBORDER: ASCOPHORA	661014000000
FAMILY: EXOCHELLIDAE	661014020000
GENUS: ESCHAROIDES	661014020200
SPECIES: COSTIFERA	661014020202
FAMILY: HIPPOTHUIDAE	661014040000
GENUS: HIPPOTHUA	661014040200
SPECIES: DISTANS	661014040202
SPECIES: FLAGELLUM	661014040204
SPECIES: HYALINA	661014040206
GENUS: TRYPOSTEGA	661014040400
SPECIES: VENUSTA	661014040402
FAMILY: MICROPORELLIDAE	661014060000
GENUS: MICROPORELLA	661014060200
SPECIES: CILIATA	661014060202
FAMILY: SMITTINIDAE	661014080000
GENUS: PARASMITTINA	661014080200
SPECIES: NITIDA	661014080202
SPECIES: SPATHULATA	661014080204
FAMILY: ADEDNIDAE	661014100000

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

GENUS: REPTADEONELLA	661014100200
SPECIES: HASTINGSI	661014100202
FAMILY: CHEILOPORINIDAE	661014120000
GENUS: HIPPALIUSINA	661014120200
SPECIES: ROSTRIGERA	661014120202
GENUS: CRYPTOsula	661014120400
SPECIES: PALLASIANA	661014120402
GENUS: WATERSIPORA	661014120600
SPECIES: SUBOVOIDEA	661014120602
FAMILY: HIPPOPORINIDAE	661014140000
GENUS: HIPPOPORINA	661014140200
SPECIES: VERRILLI	661014140202
GENUS: HIPPOPORIDRA	661014140400
SPECIES: CALCAREA	661014140402
FAMILY: SCHIZOPORELLIDAE	661014160000
GENUS: SCHIZOPORELLA	661014160200
SPECIES: CORNUA	661014160202
SPECIES: FLORIDANA	661014160204
SPECIES: UNICORNIS	661014160206
GENUS: STYLOPOMA	661014160400
SPECIES: SPONGITES	661014160402
GENUS: CHEIDOCHEMA	661014160600
SPECIES: CONTRACTUM	661014160602
SPECIES: PORCELLANUM	661014160604
FAMILY: PHYLLACIPELLIDAE	661014180000
GENUS: LAGENICELLA	661014180200
SPECIES: MARGINATA	661014180202
FAMILY: PHYLLACTELLAPORIDAE	661014200000
GENUS: PHYLLACTELLAPORA	661014200200
SPECIES: AVICULIFERA	661014200202
FAMILY: CREPIDACANTHIDAE	661014220000
GENUS: CREPIDACANTHA	661014220200
SPECIES: POISSONI	661014220202
SUBSPECIES: TERES	661014220204
SPECIES: SETIGERA	661014220206
FAMILY: CELLEPORIDAE	661014240000
GENUS: CYGCLISULA	661014240200
SPECIES: TURRITA	661014240202
FAMILY: CELLEPORINIDAE	661014260000
GENUS: CELLEPORINA	661014260200
SPECIES: HASSELLI	661014260202
FAMILY: PASYTHERIDAE	661014280000
GENUS: PASYTHERA	661014280200
SPECIES: TULIPIFERA	661014280202
FAMILY: SAVIGNYELLIDAE	661014300000
GENUS: SAVIGNYELLA	661014300200
SPECIES: LAFONTI	661014300202
FAMILY: VITTATICELLIDAE	661014320000
GENUS: VITTATICELLA	661014320200

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

SPECIES: COMTEI	661014320202
FAMILY: HIPPODINIDAE	661014340000
GENUS: TREMOSCHIZODINA	661014340200
SPECIES: LATA	661014340202
CLASS: STENOLAEMATA	662000000000
ORDER: CYCLOSTOMATA	662002000000
SUPERFAMILY: ARTICULOIDEA	662002020000
FAMILY: CRISIIDAE	662002040000
GENUS: CRISIA	662002040200
SPECIES: ELONGATA	662002040202
SPECIES: MICRA	662002040204
SUPERFAMILY: TUBULIPOROIDEA	662002060000
FAMILY: TUBULIPORIDAE	662002080000
GENUS: TUBULIPORA	662002080200
SPECIES: LUMATA	662002080202
FAMILY: DIASTOPORIDAE	662002100000
GENUS: DIAPERDECIA	662002100200
SUPERFAMILY: RECTANGULOIDEA	662002120000
FAMILY: LICHENOPORIDAE	662002140000
GENUS: LICHENOPORA	662002140200

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

PHYLUM: CHAETOGNATHA

710000000000

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

PHYLUM: PLATYHELMINTHES
CLASS: TURBELLARIA

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INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

PHYLUM: NEMATODA

4400000000

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

PHYLUM: NEMERTINEA

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INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

PHYLUM: SIPUNCULA

GENUS: PHASCOLIUM

SPECIES: CRYPTUS

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INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

PHYLUM: PHORONIDA

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INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

PHYLUM: ANNELIDA	480300000000
CLASS: ARCHIANNELIDA	480100000000
FAMILY: PROTODRILIDAE	480100020000
CLASS: ULIGUCHAETA	480200000000
CLASS: POLYCHAETA	480300000000
FAMILY: SIGALIONIDAE	480300020000
GENUS: STHENELAIS	480300020500
SPECIES: BOA	480300020505
FAMILY: POLYDONTIDAE	480300040000
FAMILY: POLYNOIDAE	480300060000
GENUS: HARMOTHOE	480300060500
SPECIES: IMBRICATA	480300060505
SPECIES: ACULEATA	480300060510
GENUS: LEPIDONOTUS	480300061000
SPECIES: VARIABILIS	480300061005
FAMILY: SYLLIDAE	480300080000
GENUS: BRANIA	480300080500
SPECIES: CLAVATA	480300080505
GENUS: PARAPIONOSYLLIS	480300081500
SPECIES: LONGICIRRATA	480300081505
GENUS: PROCERAEA	480300082000
SPECIES: CORNUTA	480300082005
GENUS: SYLLIS	480300082500
SPECIES: SP.A	480300082505
SPECIES: PROLIFERA	480300082510
GENUS: EXOGONE	480300083000
SPECIES: DISPAR	480300083005
GENUS: TRYPANOSYLLIS	480300083500
SPECIES: SP.A	480300083505
SPECIES: ZEBRA	480300083510
GENUS: SPHAEROSYLLIS	480300084000
SPECIES: PIRIFERA	480300084005
FAMILY: CHRYSOPETALIDAE	480300100000
FAMILY: AMPHINOMIDAE	480300120000
GENUS: CHLUEIA	480300120500
SPECIES: VIRIDIS	480300120505
FAMILY: APHRODITIDAE	480300140000
FAMILY: SPHAERODONTIDAE	480300160000
FAMILY: PHYLLIDOCIDAE	480300180000
GENUS: EUMIDA	480300180500
SPECIES: SANGUINEA	480300180505
GENUS: ETEONE	480300181000
SPECIES: HETEROPODA	480300181005
SPECIES: LACTEA	480300181010
SPECIES: LONGA	480300181015
SPECIES: TRILINEATA	480300181020
GENUS: PHYLLODOCE	480300181500
SPECIES: ARENAE	480300181505
SPECIES: CASTANAE	480300181507

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

FAMILY: PILARGIDAE	480300200000
GENUS: PILARGIS	480300200500
SPECIES: SP.A	480300200505
GENUS: CABIRA	480300201000
SPECIES: INCERTA	480300201005
FAMILY: PISIDNIDAE	480300220000
GENUS: PISIDNE	480300220500
SPECIES: REMOTA	480300220505
FAMILY: HESIONIDAE	480300240000
GENUS: HESIDNE	480300240500
SPECIES: PICTA	480300240505
GENUS: PARAHESIDNE	480300241000
SPECIES: LUTEDLA	480300241005
GENUS: MICROPHTHALMUS	480300241500
SPECIES: ABERRANS	480300241505
GENUS: GYPTIS	480300242000
SPECIES: VITTATA	480300242005
GENUS: PODARKE	480300242500
SPECIES: DBSCJRA	480300242505
FAMILY: NEPHTYIDAE	480300260000
FAMILY: NEREIDAE	480300280000
GENUS: LAEDNEREIS	480300280500
SPECIES: CULVERI	480300280505
GENUS: NEREIS	480300281000
SPECIES: SUCCINEA	480300281005
GENUS: PLATYNEREIS	480300281500
SPECIES: DUMERILII	480300281505
GENUS: STENDINEREIS	480300282000
SPECIES: MARTINI	480300282005
GENUS: WEBSTERINEREIS	480300282500
SPECIES: SP.A	480300282505
GENUS: CERATONEREIS	480300283000
SPECIES: MIRABILIS	480300283005
FAMILY: GLYCERIDAE	480300300000
GENUS: GLYCERA	480300300500
SPECIES: AMERICANA	480300300505
SPECIES: TESSELATA	480300300510
FAMILY: GONIADIDAE	480300320000
GENUS: GLYCINDE	480300320500
SPECIES: SOLITARIA	480300320505
FAMILY: EUNICIDAE	480300340000
GENUS: LYCIDICE	480300340500
SPECIES: NINETTA	480300340504
SUBSPECIES: COLLARIS	480300340505
SUBSPECIES: NINETTA	480300340510
GENUS: MARPHYSA	480300341000
SPECIES: SANGUINEA	480300341005
FAMILY: DORVILLEIDAE	480300360000
GENUS: DORVILLEA	480300360500

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

SPECIES: RUDDOLPHI	480300360505
GENUS: OPHRYOTROCHA	480300361000
SPECIES: PUERILIS	480300361005
GENUS: NOTHRIA	480300361500
SPECIES: PALLIDULA	480300361505
FAMILY: OPHRYOTROCHIDAE	480300380000
GENUS: DIOPATRA	480300380500
SPECIES: CUPREA	480300380505
GENUS: OPHRYOTROCHA	480300381000
SPECIES: MICROCEPHALA	480300381005
FAMILY: LUMBRINERIDAE	480300400000
GENUS: LUMBRINERIS	480300400500
SPECIES: TETRAURA	480300400505
FAMILY: PARADONIDAE	480300420000
GENUS: ARICIDEA	480300420500
SPECIES: PHILBINAE	480300420505
SPECIES: FAUVELI	480300420510
SPECIES: FRAGILIS	480300420515
FAMILY: SPIONIDAE	480300440000
GENUS: MALACOCERES	480300440500
SPECIES: VANDERHORSTI	480300440505
GENUS: MINUSPID	480300441000
SPECIES: POLYBRANCHIATA	480300441005
SPECIES: CIRROBRANCHIATA	480300441010
SPECIES: CIRRIFERA	480300441015
GENUS: PARAPRIONOSPID	480300441500
SPECIES: PINNATA	480300441505
GENUS: STREBLOSPID	480300442000
SPECIES: BENEDICTI	480300442005
GENUS: PRIONOSPID	480300442500
SPECIES: HETEROBRANCHIA	480300442505
GENUS: POLYDORA	480300443000
SPECIES: LIGNI	480300443005
SPECIES: SOCIALIS	480300443010
SPECIES: COLONIA	480300443015
SPECIES: ATTENATA	480300443020
SPECIES: WEBSTERI	480300443025
SPECIES: CAULLERYI	480300443030
SPECIES: ANUCULATA	480300443035
GENUS: SCOLELEPIS	480300443500
SPECIES: TEXANA	480300443505
GENUS: SPID	480300444000
SPECIES: PETTIBONEAE	480300444005
FAMILY: CHAETOPTERIDAE	480300460000
GENUS: CHAETOPTERUS	480300460500
SPECIES: VARIOPEDATUS	480300460505
GENUS: SPIDCHAETOPTERUS	480300461000
SPECIES: COSTARUM	480300461003
SUBSPECIES: OCULATUS	480300461005

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

FAMILY: OPHELIIDAE	480300480000
GENUS: ARMANDIA	480300480500
SPECIES: AGILIS	480300480505
SPECIES: MACULATA	480300480510
FAMILY: CAPITELLIDAE	480300500000
GENUS: CAPITELLIDES	480300500500
SPECIES: JONESI	480300500505
GENUS: CAPITELLA	480300501000
SPECIES: CAPITATA	480300501004
SUBSPECIES: CAPITATA	480300501005
SUBSPECIES: QVINCOLA	480300501010
SUBSPECIES: TRIPARTITA	480300501015
GENUS: MEDIOMASTUS	480300501500
SPECIES: AMBISETA	480300501505
GENUS: CAPITOMASTUS	480300502000
SPECIES: SP.A	480300502005
GENUS: DASYBRANCHUS	480300502500
SPECIES: LUNULATUS	480300502505
GENUS: HETEROMASTUS	480300503000
SPECIES: FILIFORMIS	480300503005
FAMILY: ARENICOLIDAE	480300520000
GENUS: ARENICOLA	480300520500
SPECIES: CRISTATA	480300520505
FAMILY: MALDANIDAE	480300540000
GENUS: BRANCHIOASYCHIS	480300540500
SPECIES: AMERICANA	480300540505
GENUS: CLYMENELLA	480300541000
SPECIES: MUCOSA	480300541005
FAMILY: CTENODRILIDAE	480300560000
GENUS: CTENODRILUS	480300560500
SPECIES: SERRATUS	480300560505
FAMILY: APISTOBANCHIDAE	480300580000
FAMILY: COSSURIDAE	480300600000
FAMILY: ACROCIARRIDAE	480300620000
FAMILY: TRACHOCHAETIDAE	480300640000
GENUS: POECILOCHAETUS	480300640500
SPECIES: SP.A	480300640505
FAMILY: ORBINIIDAE	480300660000
GENUS: HAPLOSCOLOPLOS	480300660500
SPECIES: FOLIOSUS	480300660505
SPECIES: FRAGILIS	480300660510
GENUS: SCOLOPLUS	480300661000
SPECIES: RUBRA	480300661005
GENUS: NAINERTS	480300661500
SPECIES: SETOSA	480300661505
FAMILY: ARABELLIDAE	480300680000
GENUS: ARABELLA	480300680500
SPECIES: IRICOLOR	480300680505
FAMILY: LYSARETIDAE	480300700000

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

FAMILY: MAGELONIDAE	480300720000
FAMILY: OWENIIDAE	480300740000
FAMILY: FLABELLIGERIDAE	480300760000
GENUS: PIROMIS	480300760500
SPECIES: ROBERTI	480300760505
FAMILY: CIRRATULIDAE	480300780000
GENUS: CIRRATULUS	480300780500
SPECIES: SP.A	480300780505
GENUS: HETEROCIRKUS	480300781000
SPECIES: ALATUS	480300781005
GENUS: THARYX	480300781500
SPECIES: ANNULOSUS	480300781505
GENUS: CIRRIFORMIA	480300782000
SPECIES: SP.A	480300782005
SPECIES: FILIGERA	480300782010
FAMILY: TRICHOBRANCHIDAE	480300800000
GENUS: TERESELLIDES	480300800500
SPECIES: STROEMII	480300800505
FAMILY: SABELLARIIDAE	480300820000
GENUS: PHRAGMATOPOMA	480300820500
SPECIES: LAPIDOSA	480300820505
GENUS: SABELLARIA	480300821000
SPECIES: VULGARIS	480300821004
SUBSPECIES: VULGARIS	480300821005
FAMILY: AMPHARETIDAE	480300840000
GENUS: MELINNA	480300840500
SPECIES: MACULATA	480300840505
GENUS: ISOLDA	480300841000
SPECIES: PULCHELLA	480300841005
GENUS: AMPHICTEIS	480300841500
SPECIES: GUNNERI	480300841504
SUBSPECIES: FLORIDUS	480300841505
FAMILY: TERESELLIDAE	480300860000
GENUS: THELEPUS	480300860500
SPECIES: SETOSUS	480300860505
GENUS: AMPHITRITE	480300861000
SPECIES: ORNATA	480300861005
GENUS: LYSILLA	480300861500
SPECIES: ALBA	480300861505
GENUS: PISTA	480300862000
SPECIES: CRISTATA	480300862005
SPECIES: QUADRILOBATA	480300862010
GENUS: TERESELLA	480300862500
SPECIES: RUBRA	480300862505
GENUS: POLYCIRRUS	480300863000
SPECIES: SP.A	480300863005
GENUS: AMAEANA	480300863500
SPECIES: TRILOBATA	480300863505
FAMILY: SABELLIDAE	480300880000

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

GENUS: BRANCHIUMMA	480300880500
SPECIES: BAIRDI	480300880505
SPECIES: NIGROMACULATA	480300880510
GENUS: HYPsicOMUS	480300881000
SPECIES: PHAEDTAENIA	480300881005
GENUS: FABRICIA	480300881500
SPECIES: SABELLA	480300881505
GENUS: FABRICIOLA	480300882000
SPECIES: SP.A	480300882005
GENUS: SABELLASTARTE	480300882500
SPECIES: SP.A	480300882505
GENUS: CHONE	480300883000
SPECIES: DUNERI	480300883005
SPECIES: AMERICANA	480300883010
GENUS: PSEUDOBANCHIUMMA	480300883500
SPECIES: EMERSONI	480300883505
GENUS: JASMEIRA	480300884000
SPECIES: SP.A	480300884005
GENUS: LAONOME	480300884500
SPECIES: SP.A	480300884505
GENUS: SABELLA	480300885000
SPECIES: MICROPHALMA	480300885005
GENUS: MEGALOMA	480300885500
SPECIES: BILCULATUM	480300885505
GENUS: POTAMILLA	480300886000
SPECIES: SP.A	480300886005
FAMILY: SERPULIDAE	480300900000
SPECIES: SP.A	480300900505
GENUS: SERPULA	480300901000
SPECIES: VERMICULARIS	480300901005
GENUS: HYDROIDES	480300901500
SPECIES: DIANTHUS	480300901505
SPECIES: HEXAGONIA	480300901510
GENUS: SPIRORBIS	480300902000
SPECIES: JANUA	480300902003
SUBSPECIES: CORRUGATUS	480300902005
FAMILY: PECTINARIIDAE	480300920000
GENUS: PECTINARIA	480300920500
SPECIES: GOULDII	480300920505

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

PHYLUM: MOLLUSCA	490000000000
CLASS: GASTROPODA	490500000000
SUBCLASS: PROSOBRANCHIA	491000000000
ORDER: ARCHAEOGASTROPODA	491002000000
SUPERFAMILY: TRICHAEEA	491002020000
FAMILY: TRICHIIDAE	491002040000
GENUS: CALLIOSTOMA	491002040200
SPECIES: JUJUBINUM	491002040202
FAMILY: TUBBINIDAE	491002060000
GENUS: ASTRAEA	491002060200
SPECIES: TUBER	491002060202
FAMILY: CYCLOSTREMATIDAE	491002080000
GENUS: ARENA	491002080200
SPECIES: TRICARINATA	491002080202
FAMILY: PHASIANELLIDAE	491002100000
GENUS: TRICOLIA	491002100200
SPECIES: AFFINIS	491002100202
SUPERFAMILY: NERITACEA	491002120000
FAMILY: NERITIDAE	491002140000
GENUS: NERITA	491002140200
SPECIES: TESSULATA	491002140202
GENUS: NERITINA	491002140400
SPECIES: VIRGINEA	491002140402
GENUS: SMARAGDIA	491002140600
SPECIES: VIRIDIS	491002140602
SUBSPECIES: VIRIDEMARIS	491002140604
ORDER: MESOGASTROPODA	491004000000
SUPERFAMILY: RISSOACEA	491004020000
FAMILY: RISSOINIDAE	491004040000
GENUS: RISSOINA	491004040200
SPECIES: BRYEREA	491004040202
FAMILY: VITRINELLIDAE	491004060000
GENUS: CIRCOLUS	491004060200
SPECIES: SUPPRESSUS	491004060202
GENUS: VITRIMELLA	491004060400
SPECIES: SP. A	491004060402
FAMILY: CAECIDAE	491004080000
GENUS: CAECUM	491004080200
SPECIES: COOPERI	491004080202
SPECIES: PULCHELLEUM	491004080204
SUPERFAMILY: CERITHIACEA	491004100000
FAMILY: CERITHIIDAE	491004120000
GENUS: ALABA	491004120200
SPECIES: INCERTA	491004120202
GENUS: DIASTOMA	491004120400
SPECIES: VARIUM	491004120402
GENUS: CERITHIUM	491004120600
SPECIES: MUSCARUM	491004120602
GENUS: CERITHIOPSIS	491004120800

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

SPECIES: GREENI	491004120802
FAMILY: MODULIDAE	491004140000
GENUS: MODULUS	491004140200
SPECIES: MODULUS	491004140202
FAMILY: POTAMIDIDAE	491004160000
GENUS: BATILLARIA	491004160200
SPECIES: MINIMA	491004160202
SUPERFAMILY: CREPIDULACEA	491004180000
FAMILY: CREPIDULIDAE	491004200000
GENUS: CREPIDULA	491004200200
SPECIES: FORNICATA	491004200202
SPECIES: PLANA	491004200204
SUPERFAMILY: EPITONJACEA	491004220000
FAMILY: EPITONJIDAE	491004240000
GENUS: EPITONIUM	491004240200
SPECIES: RUBICOLA	491004240202
ORDER: NEOGASTROPODA	491006000000
SUPERFAMILY: BUCCINACEA	491006020000
FAMILY: NASSARIIDAE	491006040000
GENUS: NASSARIUS	491006040200
SPECIES: VIBEX	491006040202
SPECIES: ALBUS	491006040204
FAMILY: MELONGENIDAE	491006060000
GENUS: MELONGENA	491006060200
SPECIES: CORONA	491006060202
FAMILY: COLUMBELLIDAE	491006080000
GENUS: ANACHIS	491006080200
SPECIES: AVARA	491006080202
SPECIES: FLORIDANA	491006080204
GENUS: MITRELLA	491006080400
SPECIES: LUNATA	491006080402
SUPERFAMILY: VOLUTACEA	491006100000
FAMILY: OLIVIDAE	491006120000
GENUS: OLIVA	491006120200
SPECIES: SAYANA	491006120202
FAMILY: MARGINELLIDAE	491006140000
GENUS: MARGINELLA	491006140200
SPECIES: SP.A	491006140202
SPECIES: APICINA	491006140204
GENUS: GRANULINA	491006140400
SPECIES: OVULIFORMIS	491006140402
SUPERFAMILY: CONACEA	491006160000
FAMILY: TEREBRIDAE	491006180000
GENUS: TEREBRA	491006180200
SPECIES: DISLOCATA	491006180202
FAMILY: TURRIDAE	491006200000
GENUS: KURTZIELLA	491006200200
SPECIES: ATROSTYLA	491006200202
GENUS: PYRGOCYTHARA	491006200400

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

SPECIES: PLICUSA	491006200402
GENUS: ITHYCYTHARA	491006200600
SPECIES: LANCEOLATA	491006200602
SUBCLASS: PULMONATA	491500000000
ORDER: BASOMMATOPHURA	491502000000
SUPERFAMILY: MELAMPIDACEA	491502020000
FAMILY: MELAMPIDAE	491502040000
GENUS: MELAMPUS	491502040200
SPECIES: BIDENTATUS	491502040202
SUBCLASS: UPISTHOBANCHIA	492000000000
ORDER: CEPHALASPIDEA	492002000000
SPECIES: SP.A	492002000002
SUPERFAMILY: ACTEONACEA	492002020000
FAMILY: ACTEONIDAE	492002040000
GENUS: ACTEON	492002040200
SPECIES: PUNCTOSTRIATUS	492002040202
FAMILY: ACTEONINIDAE	492002060000
GENUS: ACTEONINA	492002060200
SPECIES: CANDEI	492002060202
SPECIES: CANALICULATA	492002060204
SUPERFAMILY: BULLACEA	492002080000
FAMILY: HAMINDEIDAE	492002100000
GENUS: HAMINDEA	492002100200
SPECIES: ANTILLARUM	492002100202
SPECIES: ELEGANS	492002100204
SPECIES: SUCCINEA	492002100206
SUPERFAMILY: BULLARIACEA	492002120000
FAMILY: BULLIDAE	492002140000
GENUS: BULLA	492002140200
SPECIES: STRIATA	492002140202
ORDER: PYRAMIDELLIDIDA	492004000000
SUPERFAMILY: PYRAMIDELLACEA	492004020000
FAMILY: PYRAMIDELLIDAE	492004040000
GENUS: ODOSTOMIA	492004040200
SPECIES: SP.A	492004040202
SPECIES: SP.B	492004040204
GENUS: TURBONILLA	492004040400
SPECIES: INCISA	492004040402
SPECIES: SP.A	492004040404
GENUS: SAYELLA	492004040600
SPECIES: FUSCA	492004040602
SPECIES: CRUSSEANA	492004040604
ORDER: SACCOGLUSSA	492006000000
SUPERFAMILY: PLAKOBRANCHIACEA	492006020000
FAMILY: PLAKOBRANCHIDAE	492006040000
GENUS: ELYSIA	492006040200
SPECIES: SP.A	492006040202
ORDER: ANASPIDEA	492008000000
SUPERFAMILY: APLYSIACEA	492008020000

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

FAMILY: APLYSIIDAE	492008040000
GENUS: BURSATELLA	492008040200
SPECIES: LEACHII	492008040202
SUBSPECIES: PLEII	492008040204
ORDER: NUDIBRANCHIA	492010000000
SUPERFAMILY: AECIDIACEA	492010020000
SPECIES: SP.A	492010020002
CLASS: SCAPHOPODA	492500000000
FAMILY: DENTALIIDAE	492500020000
GENUS: DENTALIUM	492500020200
SPECIES: CALAMUS	492500020202
CLASS: PELECYPODA	493000000000
SUBCLASS: PTERIDMORPHIA	493500000000
ORDER: ARCUIDA	493502000000
SUPERFAMILY: ARCACEA	493502020000
FAMILY: ARCIDAE	493502040000
GENUS: BARBATIA	493502040200
SPECIES: CANDIDA	493502040202
GENUS: ANADARA	493502040400
SPECIES: TRANSVERSA	493502040402
SUPERFAMILY: LIMPSACEA	493502060000
FAMILY: GLYCYMERIDIDAE	493502080000
GENUS: GLYCYMERIS	493502080200
SPECIES: AMERICANA	493502080202
ORDER: MYTILIDA	493504000000
SUPERFAMILY: MYTILALEA	493504020000
FAMILY: MYTILIDAE	493504040000
GENUS: AMYGDALUM	493504040200
SPECIES: PAPHIUM	493504040202
GENUS: LIOPERUS	493504040400
SPECIES: CASTANEUS	493504040402
GENUS: BRACHIDONTES	493504040600
SPECIES: EXUSTUS	493504040602
GENUS: MUSCULUS	493504040800
SPECIES: LATERALIS	493504040802
ORDER: OSTREINA	493506000000
SUPERFAMILY: OSTREACEA	493506020000
FAMILY: OSTREIDAE	493506040000
GENUS: CRASSOSTREA	493506040200
SPECIES: VIRGINICA	493506040202
GENUS: OSTREA	493506040400
ORDER: PTERIIDA	493508000000
SUPERFAMILY: PTERIACEA	493508020000
FAMILY: PTERIIDAE	493508040000
GENUS: PTERIA	493508040200
SPECIES: COLYMBUS	493508040202
SUPERFAMILY: PECTINACEA	493508060000
FAMILY: PECTINIDAE	493508080000
GENUS: ARGUPECTEN	493508080200

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

SPECIES: IRRADIANS	493508080202
SUBSPECIES: CONCENTRICUS	493508080204
SPECIES: PEDICELLATUS	493508080206
SUPERFAMILY: ANOMIACEA	493508100000
FAMILY: ANOMIIDAE	493508120000
GENUS: ANOMIA	493508120200
SPECIES: SIMPLEX	493508120202
SUBCLASS: HETERODONTA	494000000000
ORDER: VENEROIDA	494002000000
SUPERFAMILY: CARDIACEA	494002020000
FAMILY: CARDIIDAE	494002040000
GENUS: LAEVICARDIUM	494002040200
SPECIES: SP.A	494002040202
GENUS: POPYRIDEA	494002040400
SPECIES: SOLENIIFORMIS	494002040402
SUPERFAMILY: CRASSATELLACEA	494002060000
FAMILY: CRASSATELLIDAE	494002080000
GENUS: CRASSINELLA	494002080200
SPECIES: LUVULATA	494002080202
SUPERFAMILY: LUCINACEA	494002100000
FAMILY: LUCINIDAE	494002120000
GENUS: PARVILUCINA	494002120200
SPECIES: MULTILINEATA	494002120202
GENUS: LUCINA	494002120400
SPECIES: PECTINATA	494002120402
SPECIES: NASSULA	494002120404
GENUS: CUDAKIA	494002120600
SPECIES: URBICULARIS	494002120602
SUPERFAMILY: TELLINACEA	494002140000
FAMILY: TELLINIDAE	494002160000
GENUS: MACOMA	494002160200
SPECIES: CONSTRICTA	494002160202
SPECIES: SP.A	494002160204
SPECIES: TENTA	494002160206
GENUS: TELLINA	494002160400
SPECIES: PARAMERA	494002160402
SPECIES: TAMPAENSIS	494002160404
SPECIES: VERSICULUR	494002160406
FAMILY: SEMELIDAE	494002180000
GENUS: ABRA	494002180200
SPECIES: AEQUALIS	494002180202
FAMILY: SOLECURTIDAE	494002200000
GENUS: TAGELUS	494002200200
SPECIES: PLEBEIUS	494002200202
SUPERFAMILY: GALEOMMATACEA	494002220000
FAMILY: LEPTONIDAE	494002240000
GENUS: MYSELLA	494002240200
SPECIES: PLANULATA	494002240202
SUPERFAMILY: MACTRACEA	494002260000

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

FAMILY: MACTRIDAE	494002280000
GENUS: MACTRA	494002280200
SPECIES: FRAGILIS	494002280202
GENUS: MOLINEA	494002280400
SPECIES: LATERALIS	494002280402
SUPERFAMILY: VENERACEA	494002300000
FAMILY: VENERIDAE	494002320000
GENUS: ANOMALOCARDIA	494002320200
SPECIES: AUBERIANA	494002320202
GENUS: CHIONE	494002320400
SPECIES: CANCELLATA	494002320402
SPECIES: INTAPURPUREA	494002320404
SPECIES: GRUS	494002320406
GENUS: MERCENARIA	494002320600
SPECIES: MERCENARIA	494002320602
GENUS: PARASTARTE	494002320800
SPECIES: TRIQUETRA	494002320802
ORDER: MYDIDA	494004000000
SUPERFAMILY: MYACEA	494004020000
FAMILY: MYIDAE	494004040000
GENUS: SPHENIA	494004040200
SPECIES: ANTILLENISIS	494004040202
FAMILY: CORBULIDAE	494004060000
GENUS: CORBULA	494004060200
SPECIES: CONTRACTA	494004060202
SPECIES: DIETZIANA	494004060204
SUPERFAMILY: PHOLADACEA	494004080000
FAMILY: PHOLADIDAE	494004100000
GENUS: MARTESIA	494004100200
SPECIES: STRIATA	494004100202
SPECIES: FRAGILIS	494004100204
SPECIES: CUNEIFORMIS	494004100206
GENUS: CYRTOPLEURA	494004100400
SPECIES: COSTATA	494004100402
FAMILY: TEREDINIDAE	494004120000
GENUS: TEREDU	494004120200
SPECIES: BARTSCHI	494004120202
SPECIES: CLAPPI	494004120204
SPECIES: FULLERI	494004120206
SPECIES: FURCIFERA	494004120208
SPECIES: NAVALIS	494004120210
SPECIES: TRIANGULARIS	494004120212
GENUS: LYRODUS	494004120400
SPECIES: PEDICELLATUS	494004120401
SUBSPECIES: TYPE.A	494004120402
SPECIES: AFFINIS	494004120404
SPECIES: TAKANOSHIMENSIS	494004120406
SPECIES: MEDIOLOBATUS	494004120408
SPECIES: BIPARTITUS	494004120410

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

SPECIES: MASSA	494004120412
GENUS: NUTTEREDD	494004120600
SPECIES: NORVAGICA	494004120602
SPECIES: KNUXI	494004120604
GENUS: SPATHUTEREDD	494004120800
SPECIES: SPATHA	494004120802
GENUS: BANKIA	494004121000
SPECIES: FIMBRIATULA	494004121002
SPECIES: GOULDI	494004121004
SPECIES: CARINATA	494004121006
SUBCLASS: ANIMALODESMATA	494500000000
ORDER: PHOLADOMYIDA	494502000000
SUPERFAMILY: PANDURACEA	494502020000
FAMILY: PANDURIDAE	494502040000
GENUS: PANDORA	494502040200
SPECIES: ARENUSA	494502040202
FAMILY: LYONSILDAE	494502060000
GENUS: LYONSIA	494502060200
SPECIES: HYALINA	494502060202
SUBSPECIES: FLORIDANA	494502060204

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

PHYLUM: CRUSTACEA	670000000000
SUBCLASS: MALACOSTRACA	610000000000
ORDER: AMPHIPODA	611000000000
SUBORDER: GAMMARIDEA	612000000000
FAMILY: AMPITHOIDEA	612000050000
GENUS: CYMADUSA	612000050200
SPECIES: COMPTA	612000050202
GENUS: AMPITHOE	612000050400
SPECIES: LONGIMANA	612000050402
FAMILY: AORIDAE	612000100000
GENUS: GRANDIDIERELLA	612000100200
SPECIES: BONNIERIDES	612000100202
FAMILY: COROPHIIDAE	612000120000
GENUS: CURUPHIUM	612000120402
SPECIES: LACUSTRE	612000120404
FAMILY: GAMMARIDAE	612000150000
GENUS: GAMMARUS	612000150400
SPECIES: MUCRONATUS	612000150402
FAMILY: AMPELISCIDAE	612000200000
GENUS: AMPELISCA	612000200200
SPECIES: ABDITA	612000200202
FAMILY: MELITIDAE	612000220000
GENUS: MELITA	612000221000
SPECIES: APPENDICULATA	612000221010
SPECIES: NITIDA	612000221015
GENUS: ELASMOPIJS	612000221500
ORDER: CAPRELLIDAE	612500000000
FAMILY: BATEIDAE	612500300000
ORDER: DECAPODA	613000000000
SECTION: PENAEIDEA	613003000000
FAMILY: PENAEIDAE	613003050000
GENUS: HYMENOPENAEUS	613003050200
SPECIES: TROPICALIS	613003050202
GENUS: PENAEUS	613003050400
SPECIES: AZTECUS	613003050402
SUBSPECIES: AZTECUS	613003050404
SPECIES: DUORARUM	613003050406
SUBSPECIES: DUORARUM	613003050408
SPECIES: SETIFERUS	613003050410
GENUS: SICYONIA	613003050600
SPECIES: BREVIROSTRIS	613003050602
SPECIES: DORSALIS	613003050604
SPECIES: LAEVIGATA	613003050606
SPECIES: PARRI	613003050608
SPECIES: STIMPSONI	613003050610
SPECIES: BURKENROADI	613003050612
GENUS: SOLENCERA	613003050800
SPECIES: ATLANTIDIS	613003050802
GENUS: METAPENAEOPSIS	613003051000

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

SPECIES: GOUDEI	613003051002
GENUS: BENTHEOGENNEMA	613003051500
SPECIES: INTERMEDIA	613003051520
GENUS: BENTHESICYMUS	613003052000
SPECIES: BARTLETTI	613003052020
GENUS: FUNCHALIA	613003053000
SPECIES: VILLUSA	613003053020
FAMILY: SERGESTIDAE	613003100000
GENUS: ACETES	613003100200
SPECIES: AMERICANUS	613003100202
GENUS: LUCIFER	613003100400
SPECIES: FAXONI	613003100402
SPECIES: TYPUS	613003100404
GENUS: SERGESTES	613003101000
SPECIES: SPLENDENS	613003101005
SPECIES: SARGASSI	613003101010
SPECIES: PECTINATUS	613003101020
SPECIES: PARASEMINUDUS+	613003101025
SPECIES: HENSENI	613003101030
SPECIES: EXTENUATUS	613003101040
SPECIES: CURVATUS	613003101045
SPECIES: ATLANTICUS	613003101050
SPECIES: ARMATUS	613003101055
SPECIES: VIGILAX	613003101060
SPECIES: EDWARDSII	613003101065
SECTION: STENOPODIDEA	613006000000
FAMILY: STENOPODIDAE	613006050000
GENUS: MICROPRISTHEMA	613006050200
SPECIES: SEMILAEVE	613006050202
GENUS: STENOPUS	613006050400
SPECIES: HISPIDUS	613006050402
SPECIES: SCUTELLATUS	613006050404
SECTION: CARIDEA	613009000000
FAMILY: ALPHEIDAE	613009050000
GENUS: ALPHEUS	613009050200
SPECIES: AMBLYONYX	613009050201
SPECIES: BOUVIERI	613009050202
SPECIES: ARMILLATUS	613009050204
SPECIES: CRISTULIFRONS	613009050206
SPECIES: FLORIDANUS	613009050208
SPECIES: FORMISUS	613009050210
SPECIES: HETEROCHAELEIS	613009050212
SPECIES: MACROCHELES	613009050214
SPECIES: MALLEATOR	613009050216
SPECIES: NORMANI	613009050218
SPECIES: NUTTINGI	613009050220
SPECIES: PARACRINITUS	613009050222
SPECIES: PEASEI	613009050224
SPECIES: THOMASI	613009050226

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

SPECIES: VIRIDARI	613009050228
GENUS: ALPHEOPSIS	613009050300
SPECIES: CF. TRIGONUS	613009050310
GENUS: SYNALPHEUS	613009050400
SPECIES: APIOCEROS	613009050402
SPECIES: CURACAJENSIS	613009050403
SPECIES: BROOKSI	613009050404
SPECIES: CURACADENSIS	613009050405
SPECIES: FRITZMUELLERI	613009050406
SUBSPECIES: FRITZMUELLERI	613009050408
SUBSPECIES: ELONGATUS	613009050410
SPECIES: GOLDEI	613009050412
SPECIES: HEMPHILLI	613009050414
SPECIES: LONGICARPUS	613009050416
SPECIES: MINUS	613009050418
SPECIES: PANDIONIS	613009050419
SPECIES: PECTINIGER	613009050420
SPECIES: BREVICARPUS	613009050422
SPECIES: TOWNSENDI	613009050424
GENUS: METALPHEUS	613009050600
SPECIES: ROSTRATIPES	613009050602
FAMILY: EUGONATONOTIDAE	613009100000
GENUS: EUGONATONOTUS	613009100200
FAMILY: PROCESSIDAE	613009150000
GENUS: AMBIDEXTER	613009150200
SPECIES: SYMMETRICUS	613009150202
GENUS: PROCESSA	613009150400
SPECIES: FIMBRIATA	613009150402
SPECIES: TENUIPES	613009150410
FAMILY: HIPPOLYTIDAE	613009200000
GENUS: HIPPOLYTE	613009200200
SPECIES: ZOSTERICOLA	613009200202
SPECIES: PLEURACANTHUS	613009200210
GENUS: LATREUTES	613009200400
SPECIES: FUCORUM	613009200402
SPECIES: PARVULUS	613009200404
GENUS: LYSMATA	613009200600
SPECIES: INTERMEDIA	613009200602
SPECIES: WURDEMANNI	613009200604
GENUS: MERHIPPOLYTE	613009200800
SPECIES: AMERICANA	613009200802
GENUS: THOR	613009201000
SPECIES: DOBKINI	613009201001
SPECIES: FLORIDANUS	613009201002
SPECIES: MANNINGI	613009201004
GENUS: TUZEUMA	613009201200
SPECIES: CAROLINENSE	613009201202
GENUS: TRACHYCARIS	613009201400
SPECIES: RESTRICTUS	613009201402

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

FAMILY: GLYPHOCRANGONIDAE	613009250000
GENUS: GLYPHOCRANGON	613009250200
SPECIES: HAEMATUDOTUS	613009250202
FAMILY: CRANGONIDAE	613009300000
GENUS: PONTOPHILUS	613009300200
SPECIES: BREVIROSTRIS	613009300202
SPECIES: GRACILIS	613009300210
FAMILY: PALAEMONIDAE	613009350000
GENUS: BRACHYCARPUS	613009350200
SPECIES: CF. HULTHUISI	613009350202
SPECIES: BIUNGUICULATUS	613009350204
GENUS: LEANDER	613009350400
SPECIES: TENUICORNIS	613009350402
GENUS: MACROBRACHIUM	613009350600
SPECIES: ACANTHURUS	613009350602
SPECIES: CARCINUS	613009350604
SPECIES: ULFERSI	613009350606
GENUS: NEOPONTONIDES	613009350800
SPECIES: BEAUFORTENSIS	613009350802
GENUS: PALAEMON	613009351000
SPECIES: NORTHROPPI	613009351002
GENUS: PALAEMONETES	613009351200
SPECIES: INTERMEDIUS	613009351202
SPECIES: PALUDOSUS	613009351204
SPECIES: PUGIO	613009351206
SPECIES: VULGARIS	613009351208
GENUS: PERICLIMENAEUS	613009351400
SPECIES: CHACEI	613009351402
GENUS: PERICLIMENES	613009351600
SPECIES: AMERICANUS	613009351602
SPECIES: LONGICAUDATA	613009351604
SPECIES: PEDERSONI	613009351606
GENUS: PUNTONIA	613009351800
SPECIES: MARGARITA	613009351802
GENUS: TYPTON	613009352000
SPECIES: TORTUGAE	613009352002
FAMILY: PASIPHAEIDAE	613009400000
GENUS: LEPTOCHELA	613009400200
SPECIES: BERMUDENSIS	613009400202
FAMILY: PANDALIDAE	613009450000
GENUS: PARAPANDALUS	613009450200
SPECIES: RICHARDI	613009450202
GENUS: PLESIONIKA	613009450400
SPECIES: ACANTHODOTUS	613009450401
SPECIES: TENUIPES	613009450402
FAMILY: NEMATOCARCINIDAE	613009500000
GENUS: NEMATOCARCINUS	613009500200
SPECIES: CURSUR	613009500202
FAMILY: UPLOPHORIDAE	613009550000

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

GENUS: ACANTHEPHYRA	613009550200
SPECIES: PURPUREA	613009550202
GENUS: DPLUPHORUS	613009550400
SPECIES: GRIMALDII	613009550402
SPECIES: SPINICAUDA	613009550404
GENUS: SYSTELLASPIS	613009550600
SPECIES: BRAUERI	613009550602
SPECIES: DEBILIS	613009550604
SECTION: MACRURA	613012000000
SUPERFAMILY: SCYLLARIDEA	613012050000
FAMILY: PALINURIDAE	613012100000
GENUS: PANULIRJS	613012100200
SPECIES: ARGUS	613012100202
SPECIES: GUITATUS	613012100204
SPECIES: LAEVICAUDA	613012100206
FAMILY: SCYLLARIDAE	613012150000
GENUS: SCYLLARIDES	613012150200
SPECIES: NOTIFER	613012150202
GENUS: SCYLLARUS	613012150400
SPECIES: AMERICANUS	613012150402
SPECIES: CHACEI	613012150404
SPECIES: DEPRESSUS	613012150406
SUPERFAMILY: NEPHROPIDEA	613012200000
FAMILY: NEPHROPIIDAE	613012250000
GENUS: NEPHROPSIS	613012250200
SPECIES: ACULEATA	613012250202
SUPERFAMILY: THALASSINIDEA	613012300000
FAMILY: CALLIANASSIDAE	613012350000
GENUS: CALLIANASSA	613012350200
SPECIES: GUASSUTINGA	613012350202
SPECIES: LATISPINA	613012350203
SPECIES: MAJOR	613012350204
FAMILY: UPOGEBIIDAE	613012400000
GENUS: UPOGEBIA	613012400200
SPECIES: AFFINIS	613012400202
SECTION: ANOMURA	613015000000
SUPERFAMILY: GALATHEIDEA	613015050000
FAMILY: GALATHEIDAE	613015100000
GENUS: GALATHEA	613015100200
SPECIES: ROSTRATA	613015100202
GENUS: MUNIDA	613015100400
SPECIES: ANGULATA	613015100402
SPECIES: IRIS	613015100404
SPECIES: SIMPLEX	613015100405
SPECIES: VALIDA	613015100406
SPECIES: FORCEPS	613015100408
SPECIES: PUSILLA	613015100410
SPECIES: LONGIPES	613015100412
SPECIES: IRRASA	613015100414

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

SPECIES: ROSTRATA	613015100416
GENUS: MUNIDOPSIS	613015100600
SPECIES: POLITA	613015100602
FAMILY: PORCELLANIDAE	613015150000
GENUS: EUCERAMUS	613015150200
SPECIES: PRAELONGUS	613015150202
GENUS: MEGALOBRACHIUM	613015150400
SPECIES: POEYI	613015150402
SPECIES: SORIATUM	613015150404
GENUS: PACHYCHELES	613015150600
SPECIES: ACKLEIANUS	613015150602
SPECIES: MONILIFER	613015150604
SPECIES: RUGIMANUS	613015150606
GENUS: PETROLISTHES	613015150800
SPECIES: ARMATUS	613015150802
SPECIES: GALATHINUS	613015150804
GENUS: POLYONYX	613015151000
SPECIES: GIBBESI	613015151002
GENUS: PORCELLANA	613015151200
SPECIES: SAYANA	613015151202
SPECIES: SIGSBEIANA	613015151204
SUPERFAMILY: PAGURIDEA	613015200000
FAMILY: DIOGENIDAE	613015250000
GENUS: CLIBANARIUS	613015250200
SPECIES: ANTILLENIS	613015250202
SPECIES: SCLOPETARIUS	613015250204
SPECIES: TRICOLOR	613015250206
SPECIES: VITTATUS	613015250208
GENUS: CALCINUS	613015250400
SPECIES: TIBICEN	613015250402
GENUS: DARDANUS	613015250600
SPECIES: ARROSDR	613015250602
SUBSPECIES: INSIGNIS	613015250604
SPECIES: FUCOSUS	613015250606
SPECIES: VENOSUS	613015250608
GENUS: PAGURISTES	613015250800
SPECIES: GRAYI	613015250802
SPECIES: HUMMI	613015250804
SPECIES: SERICEUS	613015250806
SPECIES: TORTUGAE	613015250808
GENUS: PETROCHIRUS	613015251000
SPECIES: DIUGENES	613015251002
FAMILY: PAGURIDAE	613015300000
GENUS: PAGURUS	613015300200
SPECIES: BOWAIRENSIS	613015300202
SPECIES: BREVIDACTYLUS	613015300203
SPECIES: CAROLINENSIS	613015300204
SPECIES: DEFENSUS	613015300205
SPECIES: POLITUS	613015300206

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

SPECIES: POLLICARUS	613015300208
SPECIES: LONGICARPUS	613015300210
SPECIES: STIMPSONI	613015300212
GENUS: PYLLOPAGURUS	613015300400
SPECIES: COKALLINUS	613015300401
SPECIES: HOLTHUISI	613015300402
SPECIES: OPERCULATUS	613015300404
SPECIES: ROSACRUS	613015300406
SUPERFAMILY: HIPPIDEA	613015350000
FAMILY: ALBONEIDAE	613015400000
GENUS: ALBONEA	613015400200
SPECIES: GIBBESI	613015400202
SPECIES: PAKETII	613015400204
GENUS: LEPIDOPA	613015400400
SPECIES: BENEDICTI	613015400402
FAMILY: HIPPIDAE	613015450000
GENUS: EMERITA	613015450200
SPECIES: TALPIDA	613015450202
SECTION: BRACHYURA	613018000000
SUBSECTION: GYMNOPLEURA	613021000000
FAMILY: RANIIDAE	613021050000
GENUS: RANILIA	613021050200
SPECIES: CONSTRICTA	613021050202
SPECIES: MURICATA	613021050204
GENUS: SYMETHIS	613021050400
SPECIES: VARIOLOSA	613021050402
SUBSECTION: DRUMIACEA	613024000000
FAMILY: LATREILLIDAE	613024050000
GENUS: LATREILLIA	613024050200
SPECIES: ELEGANS	613024050202
FAMILY: HOMOLIDAE	613024100000
GENUS: HUMULA	613024100200
SPECIES: BARBATA	613024100202
FAMILY: DROMIIDAE	613024150000
GENUS: DROMIDIA	613024150200
SPECIES: ANTILLENIS	613024150202
GENUS: DROMIA	613024150400
SPECIES: ERYTHRUPUS	613024150402
GENUS: HYPOCUNCHA	613024150600
SPECIES: ARCUATA	613024150602
SPECIES: CF. PANAMENSIS	613024150604
SPECIES: SABULOSA	613024150606
SPECIES: SPINDLISSIMA	613024150608
SUBSECTION: OXYSTOMATA	613027000000
FAMILY: CALAPPIDAE	613027050000
GENUS: ACANTHOCARPUS	613027050200
SPECIES: ALEXANDRI	613027050202
GENUS: CALAPPA	613027050400
SPECIES: ANGUSTA	613027050402

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

SPECIES: FLAMMEA	613027050404
GENUS: CYCLOES	613027050600
SPECIES: SULCATA	613027050410
SPECIES: BAIRDII	613027050602
GENUS: HEPATJS	613027050800
SPECIES: EPHELITICUS	613027050802
SPECIES: PUOTIBUNDUS	613027050804
GENUS: OSACHILA	613027051000
SPECIES: SEMILEVIS	613027051002
FAMILY: DORIPPIDAE	613027100000
GENUS: ETHUSA	613027100200
SPECIES: CF. RUGULOSA	613027100202
SPECIES: MICROPTHALMA	613027100204
FAMILY: LEUCOSIIDAE	613027150000
GENUS: SPELDEOPHORUS	613027150200
SPECIES: NODOSUS	613027150202
GENUS: PERSEPHONA	613027150400
SPECIES: MEDITERRANEA	613027150402
GENUS: LITHADIA	613027150600
SPECIES: CADAVEROSA	613027150602
GENUS: EBALIA	613027150800
SPECIES: CARIDSA	613027150802
GENUS: ILIACANTHA	613027151000
SPECIES: SUBGLOBOSA	613027151002
GENUS: MYROPSIS	613027151200
SPECIES: QUINQUESPINOSA	613027151202
GENUS: UHLIAS	613027151400
SPECIES: LIMBATUS	613027151402
SUBSECTION: BRACHYGNATHA	613030000000
SUPERFAMILY: BRACHYRHYNCHA	613030050000
FAMILY: PORTUNIDAE	613030100000
GENUS: ARENAEUS	613030100200
SPECIES: CRIBRARIUS	613030100202
GENUS: BATHYNECTES	613030100400
SPECIES: SUPERBUS	613030100402
GENUS: BENTHOCHASCON	613030100600
SPECIES: SCHMITTI	613030100602
GENUS: CALLINECTES	613030100800
SPECIES: DANAE	613030100802
SPECIES: BOCCOURTI	613030100804
SPECIES: MARGINATUS	613030100806
SPECIES: ORNATUS	613030100808
SPECIES: SAPIDUS	613030100810
SPECIES: SIMILIS	613030100812
GENUS: CRONIUS	613030101000
SPECIES: RUBER	613030101002
SPECIES: TUXIDULUS	613030101004
GENUS: OVALIPES	613030101200
SPECIES: OCELLATUS	613030101202

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

SUBSPECIES: FLORIDANUS	613030101204
GENUS: PORTUNUS	613030101400
SPECIES: ANCEPS	613030101402
SPECIES: DEPRESSIFRONS	613030101404
SPECIES: GIBBESI	613030101406
SPECIES: ORDWAYI	613030101408
SPECIES: SAYI	613030101410
SPECIES: SPINICARPUS	613030101412
SPECIES: SPINIMANUS	613030101414
SPECIES: VENTRALIS	613030101416
SPECIES: FLORIDANUS	613030101418
FAMILY: GERYONIDAE	613030150000
GENUS: GERYON	613030150200
SPECIES: QUINQUEDENS	613030150202
FAMILY: CANCRIDAE	613030200000
GENUS: CANCER	613030200200
SPECIES: BOREALIS	613030200202
SPECIES: IRRORATUS	613030200204
FAMILY: XANTHIDAE	613030250000
GENUS: ACTAEA	613030250200
SPECIES: PALMERI	613030250202
SPECIES: RUFOPUNCTATA	613030250204
SUBSPECIES: NODOSA	613030250206
GENUS: CARPOPORUS	613030250400
SPECIES: PAPULOSUS	613030250402
GENUS: CATALEPTODIUS	613030250600
SPECIES: FLORIDANUS	613030250602
GENUS: ERIPHIA	613030250800
SPECIES: GONAGRA	613030250802
GENUS: EURYPANUPEUS	613030251000
SPECIES: ABBREVIATUS	613030251002
SPECIES: DEPRESSUS	613030251004
SPECIES: DISSIMILIS	613030251006
GENUS: EURYTIIUM	613030251200
SPECIES: LIMOSUM	613030251202
GENUS: GLYPTOXANTHUS	613030251400
SPECIES: ERUSUS	613030251402
GENUS: HEXAPANUPEUS	613030251600
SPECIES: ANGUSTIFRONS	613030251602
SPECIES: CARIBBAEUS	613030251604
SPECIES: PAULENSIS	613030251606
GENUS: LOPIDILUMVUS	613030251700
SPECIES: ACASTYZII	613030251702
SUBSPECIES: FORMA	613030251703
FORM: TYPICA	613030251704
GENUS: MENIDPE	613030251800
SPECIES: MERCENARIA	613030251802
SPECIES: MODIPEUS	613030251804
GENUS: MICROPANUPE	613030252000

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

SPECIES: LAEVIMANUS	613030252001
SPECIES: NUTTINGI	613030252002
SPECIES: SCULPTIPES	613030252004
SPECIES: GRANULIMANUS	613030252006
GENUS: NEOPANOPE	613030252200
SPECIES: PACKARDI	613030252202
SPECIES: SAYI	613030252204
GENUS: PANOPEUS	613030252400
SPECIES: BERMUDENSIS	613030252402
SPECIES: HERBSTI	613030252404
SPECIES: OCCIDENTALIS	613030252406
GENUS: PILUMNUS	613030252600
SPECIES: DASYPODUS	613030252602
SPECIES: LACTEUS	613030252604
SPECIES: SAYI	613030252606
SPECIES: CF. SPINDSISSIMUS	613030252608
GENUS: PSEUDUMEDAEUS	613030252800
SPECIES: AGASSIZI	613030252802
GENUS: RHITHROPANOPEUS	613030253000
SPECIES: HAKRISI	613030253002
GENUS: TETRAXANTHUS	613030253200
SPECIES: RATHBUNAE	613030253202
GENUS: XANTHUS	613030253400
SPECIES: DENTICULATUS	613030253402
GENUS: PARACTAEA	613030254000
SPECIES: RUFOPUNCTATA	613030254010
SUBSPECIES: VOODSA	613030254015
GENUS: PLATYACTAEA	613030255000
SPECIES: SETIGERA	613030255010
FAMILY: GONEPLACIDAE	613030300000
GENUS: BATHYPLAX	613030300200
SPECIES: TYPHLA	613030300202
GENUS: EUCRATOPSIS	613030300400
SPECIES: CRASSIMANUS	613030300402
GENUS: EURYPLAX	613030300600
SPECIES: NITIDA	613030300602
GENUS: FREVILLEA	613030300800
SPECIES: HIRSUTA	613030300802
GENUS: SPECIARCARINUS	613030301000
SPECIES: CAROLINENSIS	613030301002
GENUS: THALASSOPLAX	613030301200
SPECIES: ANGUSTA	613030301202
FAMILY: PINNOTHERIDAE	613030350000
GENUS: DISSODACTYLUS	613030350200
SPECIES: CRINITICHELIS	613030350202
SPECIES: MELLITAE	613030350204
GENUS: PINNIXA	613030350400
SPECIES: CHAETOPTERANA	613030350402
SPECIES: FLORIDANA	613030350404

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

SPECIES: RETINEVS	613030350406
GENUS: PINNOTHERES	613030350600
SPECIES: MACULATUS	613030350602
SPECIES: USTREUM	613030350604
FAMILY: PALICIDAE	613030400000
GENUS: PALICUS	613030400200
SPECIES: SICUS	613030400202
SPECIES: DENTATUS	613030400204
SPECIES: FAXONI	613030400206
SPECIES: ALTERNATUS	613030400208
SPECIES: AFFINIS	613030400210
FAMILY: GRAPSIDAE	613030450000
GENUS: ARATUS	613030450200
SPECIES: PISONII	613030450202
GENUS: EUCHIROGRAPSUS	613030450400
SPECIES: AMERICANUS	613030450402
GENUS: PACHYGRAPSUS	613030450600
SPECIES: GRACILIS	613030450602
SPECIES: TRANSVERSUS	613030450604
GENUS: PERONIN	613030450800
SPECIES: GIBBESI	613030450802
GENUS: PLAGUSTA	613030451000
SPECIES: DEPRESSA	613030451002
GENUS: PLANES	613030451200
SPECIES: MINUTUS	613030451202
GENUS: SESARMA	613030451400
SPECIES: CINEREJM	613030451402
SPECIES: CURACAJENSE	613030451404
SPECIES: RICORDI	613030451406
FAMILY: GECARCINIDAE	613030500000
GENUS: CARDISOMA	613030500200
SPECIES: GUANHUMI	613030500202
GENUS: GECARCINUS	613030500400
SPECIES: LATERALIS	613030500402
FAMILY: DCYPODIDAE	613030550000
GENUS: DCYPODE	613030550200
SPECIES: QUADRATA	613030550202
GENUS: UCA	613030550400
SPECIES: PUGILATOR	613030550402
SPECIES: RAPAX	613030550404
SPECIES: SPECIOSA	613030550406
SPECIES: THAYERI	613030550408
SUBSECTION: OXYRHYNCHA	613033000000
FAMILY: MAJIDAE	613033050000
GENUS: ACANTHONYX	613033050200
SPECIES: PETIVERII	613033050202
GENUS: COELOCERUS	613033050400
SPECIES: SPINOSUS	613033050402
GENUS: ANASIMUS	613033050600

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

SPECIES: LATUS	613033050602
GENUS: CHORINUS	613033050800
SPECIES: HERDS	613033050802
GENUS: SPHENOCARCINUS	613033051000
SPECIES: CORROSUS	613033051002
GENUS: COLLODES	613033051200
SPECIES: TRISPINDSUS	613033051202
GENUS: BATRACHONOTUS	613033051400
SPECIES: FRAGOSUS	613033051402
GENUS: EPIALTIUS	613033051600
SPECIES: DILATATUS	613033051602
SPECIES: BITUBERCULATUS	613033051604
GENUS: LIBINIA	613033051800
SPECIES: DUBIA	613033051802
SPECIES: EMARGINATA	613033051804
SPECIES: ERINACEA	613033051806
GENUS: MACROCOELMA	613033052000
SPECIES: CAMPTOCERUM	613033052002
SPECIES: SEPTEMSPINDSUM	613033052004
SPECIES: SUBPARALLELUM	613033052005
SPECIES: TRISPINDSUM	613033052006
SUBSPECIES: TRISPINDSUM	613033052008
SUBSPECIES: NODIPES	613033052010
GENUS: METOPURHAPHIS	613033052200
SPECIES: CALCARATA	613033052202
GENUS: MICROPHRYS	613033052400
SPECIES: ANTILLENIS	613033052402
SPECIES: BICORNUTUS	613033052404
GENUS: MITHRAX	613033052600
SPECIES: ACUTICORNIS	613033052602
SPECIES: CORNUTUS	613033052604
SPECIES: CORYPHE	613033052606
SPECIES: FORCEPS	613033052608
SPECIES: HISPIDUS	613033052610
SPECIES: PLEURACANTHUS	613033052612
SPECIES: SCULPTUS	613033052614
SPECIES: VERRUCOSUS	613033052616
GENUS: NIBILIA	613033052800
SPECIES: ANTILOCAPRA	613033052802
GENUS: PELIA	613033053000
SPECIES: MUTICA	613033053002
GENUS: PITHO	613033053200
SPECIES: LHERMINIERI	613033053202
SPECIES: ANISUDON	613033053201
GENUS: PODOCHELA	613033053400
SPECIES: LAMELLIGERA	613033053402
SPECIES: RIISEI	613033053404
SPECIES: SIDNEYI	613033053406
SPECIES: GRACILIPES	613033053408

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

GENUS: PYROMATA	613033053600
SPECIES: ARACHNA	613033053602
SPECIES: CUSPIDATA	613033053604
GENUS: RUCHINIA	613033053800
SPECIES: CRASSA	613033053802
SPECIES: TANNERI	613033053804
GENUS: SPHENOCARCINUS	613033053900
SPECIES: CORRISUS	613033053910
GENUS: STENOCDONJPS	613033054000
SPECIES: FURCATA	613033054002
SUBSPECIES: COELATA	613033054004
SUBSPECIES: FURCATA	613033054006
SPECIES: SPINIMANA	613033054008
SPECIES: SPINUSISSIMA	613033054010
GENUS: STENORYNCHUS	613033054200
SPECIES: SETICORNIS	613033054202
FAMILY: PARTHENOPIDAE	613033100000
GENUS: HETEROCRYPTA	613033100200
SPECIES: GRANULATA	613033100202
GENUS: MESURHOEA	613033100300
SPECIES: SEXSPINOSA	613033100310
GENUS: PARTHENOPE	613033100400
SPECIES: AGONA	613033100402
SPECIES: FRATERCULUS	613033100404
SPECIES: POURTALESII	613033100406
SPECIES: SERRATA	613033100408
SPECIES: GRANULATA	613033100410
GENUS: SULENOLAMBROS	613033100600
SPECIES: TENELLUS	613033100602
GENUS: CRYPTOPUDIA	613033100800
SPECIES: CONCAVA	613033100802
ORDER: ISOPODA	614000000000
FAMILY: IDOTEIDAE	614000050000
GENUS: ERICHSOANELLA	614000050200
SPECIES: FILIFORMIS	614000050202
SUBSPECIES: ISABELENSIS	614000050204
GENUS: EDOTEA	614000050400
SPECIES: MONTUSA	614000050402
FAMILY: SPHAEREMATIDAE	614000100000
GENUS: CYMODOCE	614000100200
SPECIES: FAXONI	614000100202
FAMILY: ANTHURIDAE	614000150000
GENUS: APANTHURA	614000150200
SPECIES: MAGNIFICA	614000150202
FAMILY: BOPYRIDAE	614000200000
ORDER: TANAIDACEA	615000000000
FAMILY: PARATANAIDAE.A	615000050000
FAMILY: PARATANAIDAE.B	615000100000
ORDER: CUMACEA	615500000000

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

FAMILY: DIASTYLIDAE	615500050000
ORDER: MYSIDACEA	616000000000
SUBCLASS: HOPLUCARIDA	620000000000
ORDER: STOMATOPODA	621000000000
FAMILY: LYSIOSQUILLIDAE	621000050000
GENUS: LYSIOSQUILLA	621000050200
SPECIES: SCABRICAUDA	621000050202
GENUS: HETEROSQUILLA	621000050400
SPECIES: ARMATA	621000050402
FAMILY: SQUILLIDAE	621000100000
GENUS: CLORIDOPSIS	621000100200
SPECIES: DUBIA	621000100202
GENUS: SQUILLA	621000100400
SPECIES: DECEPTRIX	621000100402
SPECIES: EMPUSA	621000100404
SPECIES: RUGOSA	621000100406
SPECIES: NEGLECTA	621000100408
SPECIES: EDENTATA	621000100410
SUBSPECIES: EDENTATA	621000100412
GENUS: METUSQUILLA	621000100600
SPECIES: QUADRIDENS	621000100602
SPECIES: TRICARINATA	621000100604
SPECIES: SCHMITTI	621000100606
FAMILY: GONODACTYLIDAE	621000150000
GENUS: EURYSQUILLA	621000150200
SPECIES: PLUMATA	621000150202
GENUS: GONODACTYLUS	621000150400
SPECIES: BREDINI	621000150402
SPECIES: UERSTEDII	621000150404
SPECIES: SPINULOSUS	621000150406
GENUS: PSEUDOSQUILLA	621000150600
SPECIES: CILIATA	621000150602
GENUS: PARASQUILLA	621000150800
SPECIES: COCCINEA	621000150802
SUBCLASS: COPEPODA	580000000000
ORDER: HARPACTICOIDA	581000000000
ORDER: CALANOIDEA	582000000000
SUBCLASS: OSTRACODA	550000000000
ORDER: PODOCOPHA	561000000000
ORDER: MYODOCOPA	562000000000
FAMILY: SARSIELLIDAE	562000050000
GENUS: SARSIELLA	562000050200
SPECIES: DISPARALIS	562000050202
SPECIES: ZOSTERICOLA	562000050204
SUBCLASS: CIRRIPIEDIA	600000000000
ORDER: THORACICA	601000000000
SUBORDER: BALANOMORPHA	602000000000
FAMILY: BALANIDAE	602000050000
SUBFAMILY: BALANINAE	602000100000

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

GENUS: BALANUS	602000100200
SPECIES: TINTINNABULUM	602000100202
SUBSPECIES: ANTILLENENSIS	602000100204
SPECIES: EBURNEUS	602000100206
SPECIES: IMPROVISUS	602000100208
SPECIES: AMPHITRITE	602000100210
SUBSPECIES: NIVEUS	602000100212
SPECIES: TRIGONUS	602000100214
SPECIES: CALIDUS	602000100216
SPECIES: HAMERI	602000100218
SPECIES: DECLIVIS	602000100220
SPECIES: GALEATUS	602000100222
SPECIES: STULTUS	602000100224
GENUS: ACASTA	602000100400
SPECIES: CYASTHUS	602000100402
GENUS: TETRACLITA	602000100600
SPECIES: SQUAMOSA	602000100602
SUBSPECIES: STALACTIFERA	602000100604
SPECIES: RADIATA	602000100606
SUBFAMILY: CHELONIBIINAE	602000150000
GENUS: CHELONIBIA	602000150200
SPECIES: TESTUDINARIA	602000150202
SPECIES: MANITI	602000150203
SUBSPECIES: LOBATIBASIS	602000150204
SPECIES: CARETTA	602000150206
SPECIES: PATULA	602000150208
SUBFAMILY: CORONULINAE	602000200000
GENUS: STOMATOLEPAS	602000200200
SPECIES: PRAEGUSTATOR	602000200202
GENUS: CORONULA	602000200400
SPECIES: DIADEMA	602000200402
GENUS: PLATYLEPAS	602000200600
SPECIES: HEXASTYLOS	602000200602
GENUS: CYLINDROLEPAS	602000200800
SPECIES: DARWINIANA	602000200802
FAMILY: CHTHAMALIDAE	602000250000
GENUS: CHTHAMALUS	602000250200
SPECIES: FRAGILIS	602000250202
SPECIES: STELLATUS	602000250204
SUBSPECIES: ANGUSTITERGUM	602000250206

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

PHYLUM: UNIRAMIA	510000000000
CLASS: ARACHNIDA	512500000000
FAMILY: HALACARIDAE	512500250000

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

PHYLUM: CHELICERATA	500000000000
CLASS: MEROSTOMATA	500100000000
GENUS: LIMULUS	500100505000
SPECIES: POLYPHEMUS	500100505005

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

PHYLUM: PYCNOGONIDA	520000000000
FAMILY: AMMOTHEIDAE	520005050000
GENUS: ACHELIA	520005050500
SPECIES: SAWAYAI	520005050505
GENUS: EURYCYDE	520005051000
SPECIES: RAPHAETER	520005051005
FAMILY: ENDEIDAE	520005100000
GENUS: ENDEIS	520005100500
SPECIES: SPINDSA	520005100505
FAMILY: NYMPHONIDAE	520005150000
GENUS: NYMPHON	520005150500
SPECIES: STROMI	520005150505
FAMILY: PALLENIDAE	520005200000
GENUS: CALLIPALLENE	520005200500
SPECIES: PHANTOMA	520005200505
GENUS: PALLENOPSIS	520005201000
SPECIES: SCHMITTI	520005201005
FAMILY: PHOXICHLIDIIDAE	520005250000
GENUS: ANDPLODACTYLUS	520005250500
SPECIES: INSIGNIS	520005250505
GENUS: ANDPLODACTYLUS	520005251000
SPECIES: LENTUS	520005251010
SPECIES: MARITIMUS	520005251015
FAMILY: TANYSTYLIDAE	520005300000
GENUS: TANYSTYLUM	520005300500
SPECIES: TUBIRDSTRUM	520005300505

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

PHYLUM: ECHINODERMATA	680000000000
CLASS: ASTEROIDEA	681000000000
ORDER: VALVATIDA	681003000000
FAMILY: OPHIDIASTERIDAE	681003030000
GENUS: LINCKIA	681003030200
SPECIES: BOUVIERI	681003030202
GENUS: TAMARIA	681003030400
SPECIES: HALPERNI	681003030402
FAMILY: GONIASTERIDAE	681003060000
GENUS: GONIASTER	681003060200
SPECIES: TESSELATUS	681003060202
GENUS: TOSIA	681003060400
SPECIES: PARVA	681003060402
ORDER: PAXILLOSIDA	681006000000
FAMILY: ASTROPECTINIDAE	681006030000
GENUS: ASTROPECTEN	681006030200
SPECIES: DUPLICATUS	681006030202
SPECIES: ARTICULATUS	681006030204
SPECIES: NITIDUS	681006030206
SPECIES: CINGULATUS	681006030208
SPECIES: AMERICANUS	681006030210
GENUS: TETHYASTER	681006030400
SPECIES: GRANDIS	681006030402
ORDER: SPINULOSIDA	681009000000
FAMILY: ECHINASTERIDAE	681009030000
GENUS: HENRICIA	681009030200
SPECIES: ANTILLARUM	681009030202
GENUS: ECHINASTER	681009030400
ORDER: PLATYASTERIDA	681012000000
FAMILY: LUIDIIDAE	681012030000
GENUS: LUIDIA	681012030200
SPECIES: ALTERNATA	681012030202
SPECIES: CLATHRATA	681012030204
ORDER: FORCIPULATIDA	681015000000
FAMILY: ASTERIIDAE	681015030000
GENUS: ASTERIAS	681015030200
SPECIES: FORBESII	681015030202
GENUS: COSCINASTERIAS	681015030400
SPECIES: TENUISPINA	681015030402
CLASS: OPHIUROIDEA	682000000000
ORDER: OPHIURAE	682003000000
FAMILY: AMPHIURIDAE	682003030000
GENUS: OPHIOSTIGMA	682003030200
SPECIES: ISACANTHUM	682003030202
GENUS: HEMIPHOLIS	682003030400
SPECIES: ELONGATA	682003030402
GENUS: AMPHIURA	682003030600
GENUS: AMPHIPHOLIS	682003030800
SPECIES: JANUARI	682003030802

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

GENUS: AMPHIUPLUS	682003031000
SPECIES: THROMBODES	682003031002
GENUS: AMPHIODIA	682003031200
SPECIES: PULCHELLA	682003031202
GENUS: AXIUDGNATHUS	682003031400
SPECIES: SQUAMATA	682003031402
GENUS: MICROPHOLIS	682003031600
SPECIES: ATKA	682003031602
SPECIES: GRACILLIMA	682003031604
GENUS: OPHIODNIDA	682003031800
SPECIES: SCARRISCUA	682003031802
GENUS: OPHIOPHRAGMUS	682003032000
SPECIES: FILOGRANEUS	682003032002
FAMILY: OPHIACIIDAE	682003060000
GENUS: OPHIACTIS	682003060200
SPECIES: ALGICOLA	682003060202
SPECIES: SAVIGNYI	682003060204
FAMILY: OPHIUCOMIDAE	682003090000
GENUS: OPHICOMA	682003090200
SPECIES: PUMILA	682003090202
FAMILY: OPHIODERMATIDAE	682003120000
GENUS: OPHIODERMA	682003120200
SPECIES: APPRESSUM	682003120202
SPECIES: BREVISPINUM	682003120204
FAMILY: OPHIOLEPIDIDAE	682003150000
GENUS: OPHIOLEPIS	682003150200
SPECIES: ELEGANS	682003150202
GENUS: OPHIOMUSIUM	682003150400
SPECIES: EBURNEUM	682003150402
GENUS: OPHIURA	682003150600
FAMILY: OPHIOMYXIDAE	682003180000
GENUS: OPHIOMYXA	682003180200
SPECIES: FLACCIDA	682003180202
FAMILY: OPHIOCHITONIDAE	682003210000
GENUS: OPHIONEREIS	682003210200
SPECIES: RETICULATA	682003210202
FAMILY: OPHIOTRICHIDAE	682003240000
GENUS: OPHIOTHRIX	682003240200
SPECIES: ANGULATA	682003240202
ORDER: EURYALAE	682006000000
FAMILY: GORGONOCEPHALIDAE	682006030000
GENUS: ASTEROPORA	682006030200
CLASS: ECHINOIDEA	683000000000
ORDER: CIDARIDEA	683003000000
FAMILY: CIDARIDAE	683003030000
GENUS: EUCIDARIS	683003030200
SPECIES: TRIBULIDES	683003030202
GENUS: STYLOCIDARIS	683003030400
SPECIES: AFFINIS	683003030402

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

ORDER: AJLUDONTA	683006000000
FAMILY: DIADEMATIDAE	683006030000
GENUS: DIADEMA	683006030200
SPECIES: ANTILLARUM	683006030202
ORDER: STIRODONTA	683009000000
FAMILY: ARBACIIDAE	683009030000
GENUS: ARBACIA	683009030200
SPECIES: PUNCTULATA	683009030202
GENUS: COELOPLEURUS	683009030400
SPECIES: FLORIDANUS	683009030402
ORDER: CAMARODONTA	683012000000
FAMILY: TOXOPNEUSTIDAE	683012030000
GENUS: LYTECHINUS	683012030200
SPECIES: VARIEGATUS	683012030202
GENUS: TRIPNEUSTES	683012030400
SPECIES: ESCULENTUS	683012030402
FAMILY: ECHINOMETRIDAE	683012060000
GENUS: ECHINOMETRA	683012060200
SPECIES: LUCUNTER	683012060202
ORDER: CLYPEASTRIDA	683015000000
FAMILY: CLYPEASTRIDAE	683015030000
GENUS: CLYPEASTER	683015030200
SPECIES: LUTKENI	683015030202
SPECIES: RAVENELII	683015030204
SPECIES: SUBDEPRESSUS	683015030206
FAMILY: SCUTELLIDAE	683015060000
GENUS: ENCOPE	683015060200
SPECIES: MICHELINI	683015060202
SPECIES: ABERRANS	683015060204
GENUS: MELLITA	683015060400
SPECIES: QUINQUIESPERFORATA	683015060402
SPECIES: SEXISPERFORATA	683015060404
ORDER: SPATANGUIDA	683018000000
FAMILY: SCHIZASTERIDAE	683018030000
GENUS: MUIRA	683018030200
SPECIES: ATROPES	683018030202
FAMILY: BRISSIDAE	683018060000
GENUS: PLAGIOBRISSUS	683018060200
SPECIES: GRANDIS	683018060202
GENUS: BRISSUS	683018060400
SPECIES: BRISSUS	683018060402
GENUS: BRISSOPSIS	683018060600
SPECIES: ELONGATA	683018060602
CLASS: HOLOTHURIDEA	684000000000
ORDER: APODA	684003000000
FAMILY: SYNAPTIDAE	684003030000
GENUS: SYNAPTULA	684003030200
SPECIES: HYDRIFORMIS	684003030202
ORDER: ASPIDUCHIROTA	684006000000

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

FAMILY: HOLOTHURIIDAE	684006030000
GENUS: HOLOTHURIA	684006030200
SPECIES: ARENICOLA	684006030202
FAMILY: CUCUMARIIDAE	684006060000
GENUS: THYONELLA	684006060200
SPECIES: GEMMATA	684006060202
CLASS: CRINOIDEA	685000000000
ORDER: CUMULULIDA	685003000000
FAMILY: COMASTERIDAE	685003030000
GENUS: CUMACTINIA	685003030200
SPECIES: ECHINOPTERA	685003030202

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

PHYLUM: CHORDATA	730000000000
SUBPHYLUM: CEPHALOCHORDATA	750000000000
CLASS: LEPTOCARDII	750500000000
FAMILY: BRANCHIOSTOMIDAE	750500020000
GENUS: BRANCHIOSTOMA	750500020200
SPECIES: VIRGINIAE	750500020202
SUBPHYLUM: VERTEBRATA	760000000000
SUPERCLASS: GNATHOSTOMATA	760500000000
CLASS: CHONDRICTHYES	761000000000
ORDER: SQUALIFORMES	761002000000
FAMILY: URECTOLOBIDAE	761002020000
GENUS: GINGLYMOSTOMA	761002020200
SPECIES: CIRRATUM	761002020202
FAMILY: RHINCODONTIDAE	761002040000
GENUS: RHINCODON	761002040200
SPECIES: TYPUS	761002040202
FAMILY: ODONTASPIDIDAE	761002060000
GENUS: ODONTASPIS	761002060200
SPECIES: TAURUS	761002060202
FAMILY: ALIPIIDAE	761002080000
GENUS: ALOPIAS	761002080200
SPECIES: SUPERCILIOSUS	761002080202
FAMILY: LAMNIDAE	761002100000
GENUS: CARCHARODON	761002100200
SPECIES: CARCHARIAS	761002100202
GENUS: ISURUS	761002100400
SPECIES: OXYRINCHUS	761002100402
FAMILY: SCYLIDRHINIDAE	761002120000
GENUS: GALEUS	761002120200
SPECIES: ARAE	761002120202
GENUS: SCYLIURHINUS	761002120400
SPECIES: RETIFER	761002120402
FAMILY: CARCHARHINIDAE	761002140000
GENUS: APRIONODON	761002140200
SPECIES: ISODON	761002140202
GENUS: CARCHARHINUS	761002140400
SPECIES: ACRONIUS	761002140402
SPECIES: ALTIMUS	761002140404
SPECIES: FALCIFORMIS	761002140406
SPECIES: LEUCAS	761002140408
SPECIES: LIMBATUS	761002140410
SPECIES: LONGIMANUS	761002140412
SPECIES: MACULIPINNIS	761002140414
SPECIES: MILBERTI	761002140416
SPECIES: OBSCURUS	761002140418
SPECIES: SPRINGERI	761002140420
GENUS: GALEDCERDQ	761002140600
SPECIES: CUVIERI	761002140602
GENUS: MUSTELUS	761002140800

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

SPECIES: MOKRISI	761002140802
SPECIES: CANIS	761002140804
GENUS: NEGAPRIUM	761002141000
SPECIES: BREVIROSTRIS	761002141002
GENUS: RHIZOPRIONODON	761002141200
SPECIES: TEKRAENDVAE	761002141202
FAMILY: SPHYRNIDAE	761002160000
GENUS: SPHYRNA	761002160200
SPECIES: LEWINI	761002160202
SPECIES: MOKARRAN	761002160204
SPECIES: TIBURO	761002160206
SPECIES: ZYGAENA	761002160208
FAMILY: SQUALIDAE	761002180000
GENUS: SQUALIS	761002180200
SPECIES: ACANTHIAS	761002180202
ORDER: RAJIFORMES	761004000000
FAMILY: PRISTIDAE	761004020000
GENUS: PRISTIS	761004020200
SPECIES: PECTINATA	761004020202
SPECIES: PEROTTETI	761004020204
FAMILY: RHINOBATIDAE	761004040000
GENUS: RHINOBATOS	761004040200
SPECIES: LENTIGINUSUS	761004040202
FAMILY: TORPEDINIDAE	761004060000
GENUS: NARCINE	761004060200
SPECIES: BRASILIENSIS	761004060202
GENUS: TORPEDO	761004060400
SPECIES: NOBILIANA	761004060402
FAMILY: RAJIDAE	761004080000
GENUS: RAJA	761004080200
SPECIES: EGLANTERIA	761004080202
SPECIES: GARKANI	761004080204
SPECIES: TEXANA	761004080206
FAMILY: DASYATIDAE	761004100000
GENUS: DASYATIS	761004100200
SPECIES: AMERICANA	761004100202
SPECIES: SAYI	761004100204
SPECIES: SABINA	761004100206
SPECIES: CENTREURA	761004100208
GENUS: GYMNUKA	761004100400
SPECIES: MICRURA	761004100402
FAMILY: MYLIUBATIDAE	761004120000
GENUS: AETUBATJS	761004120200
SPECIES: NARINARI	761004120202
GENUS: MYLIOBATIS	761004120400
SPECIES: FREMINVILLEI	761004120402
GENUS: RHINOPTERA	761004120600
SPECIES: BONASUS	761004120602
FAMILY: MOBULIDAE	761004140000

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

GENUS: MANTA	761004140200
SPECIES: BIROSTRIS	761004140202
GENUS: MUBULA	761004140400
SPECIES: HYPOSTOMA	761004140402
CLASS: OSTEICHTHYS	761500000000
ORDER: ACIPENSERIFORMES	761502000000
FAMILY: ACIPENSERIDAE	761502020000
GENUS: ACIPENSER	761502020200
SPECIES: BREVIROSTRUM	761502020202
ORDER: SEMIONOTIFORMES	761504000000
FAMILY: LEPISOSTEIDAE	761504020000
GENUS: LEPISOSTEUS	761504020200
SPECIES: USSEUS	761504020202
SPECIES: PLATYRHINCUS	761504020204
SPECIES: SPATULA	761504020206
ORDER: AMIIFORMES	761506000000
FAMILY: AMIIDAE	761506020000
GENUS: AMIA	761506020200
SPECIES: CALVA	761506020202
ORDER: ELOPIIFORMES	761508000000
FAMILY: ELOPIDAE	761508020000
GENUS: ELOPS	761508020200
SPECIES: SAURUS	761508020202
GENUS: MEGALOPS	761508020400
SPECIES: ATLANTICA	761508020402
FAMILY: ALBULIDAE	761508040000
GENUS: ALBULA	761508040200
SPECIES: VULPES	761508040202
ORDER: ANGUILLIFORMES	761510000000
FAMILY: ANGUILLIDAE	761510020000
GENUS: ANGUILLA	761510020200
SPECIES: ROSTRATA	761510020202
FAMILY: XENODONGRIDAE	761510040000
GENUS: CHLOPSIS	761510040200
SPECIES: BICOLOR	761510040202
FAMILY: MURAENIDAE	761510060000
GENUS: ANARCHIAS	761510060200
SPECIES: YOSHIAE	761510060202
GENUS: ENCHELYCORE	761510060400
SPECIES: NIGRICANS	761510060402
GENUS: GYMNOTHURAX	761510060600
SPECIES: FUNEBRIS	761510060602
SPECIES: MORINGA	761510060604
SPECIES: VICINUS	761510060608
SPECIES: NIGRUMARGINATUS	761510060610
GENUS: MURAENA	761510060800
SPECIES: RETIFERA	761510060802
SPECIES: MILIARIS	761510060804
FAMILY: MURAENESUCIDAE	761510080000

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

GENUS: HOPLUNNIS	761510080200
SPECIES: MACRURUS	761510080202
FAMILY: CONGRIDAE	761510100000
GENUS: ARIUSOMA	761510100100
SPECIES: IMPRESSA	761510100102
GENUS: CONGRINA	761510100200
SPECIES: FLAVA	761510100202
GENUS: PARACUNGER	761510100400
SPECIES: CAUDILIMBATUS	761510100402
FAMILY: OPHICHTHIDAE	761510120000
GENUS: AHLIA	761510120200
SPECIES: EGMONTIS	761510120202
GENUS: BASCANICHTHYS	761510120400
SPECIES: SCUTICARIS	761510120402
SPECIES: TERES	761510120404
GENUS: LETHARCHUS	761510120600
SPECIES: VELIFER	761510120602
GENUS: MYRICHTHYS	761510120800
SPECIES: ACUMINATUS	761510120802
GENUS: MYRUPHIS	761510121000
SPECIES: PUNCTATUS	761510121002
GENUS: MYSTRIDPHIS	761510121200
SPECIES: INTERTINCTUS	761510121202
GENUS: OPHICHTHUS	761510121400
SPECIES: GOMESI	761510121401
SPECIES: UCELLATUS	761510121402
GENUS: GURDIICHTHYS	761510121600
SPECIES: SPRINGERI	761510121602
ORDER: CLUPEIFORMES	761512000000
FAMILY: CLUPEIDAE	761512020000
GENUS: ALOSA	761512020200
SPECIES: SAPIDISSIMA	761512020202
GENUS: BREVOURTIA	761512020400
SPECIES: SMITHI	761512020402
SPECIES: TYRANNUS	761512020404
SUBSPECIES: SMITHI	761512020406
GENUS: DOROSOMA	761512020600
SPECIES: CEPEDIANUM	761512020602
SPECIES: PETENENSE	761512020604
GENUS: ETRUMEUS	761512020800
SPECIES: TERES	761512020802
GENUS: HARENGULA	761512021000
SPECIES: CLUPEOLA	761512021002
SPECIES: HUMERALIS	761512021004
SPECIES: JAGUANA	761512021006
GENUS: JENKINSIA	761512021200
GENUS: OPISTHONEMA	761512021400
SPECIES: UGLINUM	761512021402
GENUS: SARDINELLA	761512021600

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

SPECIES: ANCHOVIA	761512021602
FAMILY: ENGRAULIDAE	761512040000
GENUS: ANCHOA	761512040200
SPECIES: CUBANA	761512040202
SPECIES: HEPSETUS	761512040204
SPECIES: LAMPROTAENIA	761512040206
SPECIES: LYULEPIS	761512040208
SPECIES: MITCHILLI	761512040210
SPECIES: NASUTA	761512040212
GENUS: ANCHOVIELLA	761512040400
SPECIES: PERFASCIATA	761512040402
GENUS: ENGRAULIS	761512040600
SPECIES: ESTAUQUAE	761512040602
SPECIES: EURYSTOLE	761512040604
ORDER: SALMONIFORMES	761514000000
FAMILY: ARGENTINIDAE	761514020000
GENUS: ARGENTINA	761514020200
SPECIES: SILUS	761514020202
SPECIES: STEWARTI	761514020204
GENUS: GLOSSANODON	761514020400
SPECIES: PYGMAEUS	761514020402
ORDER: MYCTOPHIFORMES	761516000000
FAMILY: SYNODONTIDAE	761516020000
GENUS: SYNODUS	761516020200
SPECIES: FOETENS	761516020202
SPECIES: INTERMEDIUS	761516020204
SPECIES: POEYI	761516020206
SPECIES: SAURUS	761516020208
GENUS: TRACHINOCEPHALUS	761516020400
SPECIES: MYUPS	761516020402
GENUS: SAURIDA	761516020600
SPECIES: BRASILIENSIS	761516020602
SPECIES: CARIBBAEA	761516020604
SPECIES: NORMANDI	761516020606
FAMILY: CHLOROPHTHALMIDAE	761516040000
GENUS: CHLOROPHTHALMUS	761516040200
SPECIES: AGASSIZI	761516040202
ORDER: CYPRINIFORMES	761518000000
FAMILY: CYPRINIDAE	761518020000
GENUS: NOTEMIGONUS	761518020200
SPECIES: CRYSOLEUCAS	761518020202
GENUS: NOTROPIS	761518020400
SPECIES: MACULATUS	761518020402
SPECIES: PETERSONI	761518020404
FAMILY: CATOSTOMIDAE	761518040000
GENUS: ERIMYSON	761518040200
SPECIES: SUCETTA	761518040202
ORDER: SILURIFORMES	761520000000
FAMILY: ICTALURIDAE	761520020000

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

GENUS: ICTALURUS	761520020200
SPECIES: PUNCTATUS	761520020202
SPECIES: CATUS	761520020204
SPECIES: NEBULOSUS	761520020206
SPECIES: NATALIS	761520020208
GENUS: NOTURUS	761520020400
SPECIES: GYRINUS	761520020402
FAMILY: CLARIIDAE	761520040000
GENUS: CLARIAS	761520040200
SPECIES: BATRACHUS	761520040202
FAMILY: ARIIDAE	761520060000
GENUS: ARIUS	761520060200
SPECIES: FELIS	761520060202
GENUS: BAGRE	761520060400
SPECIES: MARINUS	761520060402
ORDER: BATRACHOIDIFORMES	761522000000
FAMILY: BATRACHOIDIDAE	761522020000
GENUS: OPSANUS	761522020200
SPECIES: TAU	761522020204
GENUS: PORICHTHYS	761522020400
SPECIES: PLECTRJDON	761522020402
ORDER: GOBIESOCIFORMES	761524000000
FAMILY: GOBIESOCIDAE	761524020000
GENUS: GOBIESOX	761524020200
SPECIES: STRUMOSUS	761524020202
ORDER: LUPHIIFORMES	761526000000
FAMILY: ANTENNARIIDAE	761526020000
GENUS: ANTENNARIUS	761526020200
SPECIES: MULTIDCELLATUS	761526020202
SPECIES: PAUCIRADIATUS	761526020204
SPECIES: SCABER	761526020206
SPECIES: RADIUSUS	761526020208
GENUS: HISTRIID	761526020400
SPECIES: HISTRIID	761526020402
FAMILY: CHAUNACIDAE	761526040000
GENUS: CHAUNAX	761526040200
SPECIES: PICTUS	761526040202
FAMILY: OGCOCEPHALIDAE	761526060000
GENUS: HALIEUTICHTHYS	761526060200
SPECIES: ACULEATUS	761526060202
GENUS: OGCOCEPHALUS	761526060400
SPECIES: NASUTUS	761526060402
SPECIES: RADIATUS	761526060404
SPECIES: VESPERTILID	761526060406
SPECIES: SP.A.	761526060408
SPECIES: SP.B.	761526060410
ORDER: GADIFORMES	761528000000
FAMILY: GADIDAE	761528020000
SPECIES: CIMBRIUS	761528020202

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

GENUS: UROPHYCIS	761528020400
SPECIES: FLORIDANUS	761528020402
SPECIES: REGIUS	761528020404
SPECIES: TENUIS	761528020406
FAMILY: OPHIDIIDAE	761528040000
GENUS: LEPHIDIUM	761528040200
SPECIES: CERVINUM	761528040202
SPECIES: JEANNAE	761528040204
GENUS: OPHIDIION	761528040400
SPECIES: HOLBROOKI	761528040402
SPECIES: GRAYI	761528040404
SPECIES: SELENOPS	761528040406
GENUS: OGILBIA	761528040600
SPECIES: LAYORUM	761528040602
GENUS: OTOPHIDIUM	761528040700
SPECIES: OUSTIGMUM	761528040702
GENUS: PAROPHIDIION	761528040800
SPECIES: SCHMIDTI	761528040802
GENUS: RISSOLA	761528041000
SPECIES: MARGINATA	761528041002
ORDER: ATHERINIFORMES	761530000000
FAMILY: CARAPIDAE	761530020000
GENUS: CARAPUS	761530020200
SPECIES: BERMUDENSIS	761530020202
FAMILY: HEMIRAMPHIDAE	761530040000
GENUS: EULEPTORHAMPHUS	761530040200
SPECIES: VELOX	761530040202
SPECIES: VIRIDIS	761530040204
GENUS: HEMIRAMPHUS	761530040400
SPECIES: BRASILIENSIS	761530040402
SPECIES: BALAO	761530040404
GENUS: HYPORHAMPHUS	761530040600
SPECIES: UNIFASCIATUS	761530040602
FAMILY: EXOCUETIDAE	761530060000
GENUS: CYPSELURUS	761530060200
SPECIES: HETERURUS	761530060202
GENUS: PAREXOCUETUS	761530060400
SPECIES: BRACHYPTERUS	761530060402
GENUS: PROGNICHTHYS	761530060600
SPECIES: GIBBIFRONS	761530060602
FAMILY: BELONIDAE	761530080000
GENUS: ABLENNES	761530080200
SPECIES: HIANIS	761530080202
GENUS: PLATYBELONE	761530080400
SPECIES: ARGALUS	761530080402
GENUS: STRONGYLURA	761530080600
SPECIES: MARINA	761530080602
SPECIES: NOTATA	761530080604
SPECIES: TIMUCU	761530080606

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

GENUS: TYLOSURUS	761530080800
SPECIES: ACUS	761530080802
SPECIES: CRUCUDILUS	761530080804
FAMILY: CYPRINODONTIDAE	761530100000
GENUS: CYPRINODON	761530100200
SPECIES: VARIEGATUS	761530100202
SUBSPECIES: VARIEGATUS	761530100204
SUBSPECIES: HUBBSI	761530100206
GENUS: FLORIDICHTHYS	761530100400
SPECIES: CARPIO	761530100402
GENUS: FUNDULUS	761530100600
SPECIES: CHRYSOTUS	761530100602
SPECIES: CINGULATUS	761530100604
SPECIES: CONFLUENTUS	761530100606
SPECIES: GRANDIS	761530100608
SPECIES: HETEROCLITUS	761530100609
SPECIES: LINEOLATUS	761530100610
SPECIES: SEMINOLIS	761530100612
SPECIES: SIMILIS	761530100614
GENUS: JURDANELLA	761530100800
SPECIES: FLORIDAE	761530100802
GENUS: LUCANIA	761530101000
SPECIES: GOLDEI	761530101002
SPECIES: PAKVA	761530101004
GENUS: RIVULUS	761530101200
SPECIES: MAXIMATUS	761530101202
FAMILY: POECILIIDAE	761530120000
GENUS: GAMBUSIA	761530120200
SPECIES: AFFINIS	761530120202
GENUS: HETERANDRIA	761530120400
SPECIES: FORMOSA	761530120402
GENUS: POECILIA	761530120600
SPECIES: LATIPINNA	761530120602
SPECIES: LATIPINNA.X.VELIFERA	761530120604
GENUS: XIPHOPHORUS	761530120800
SPECIES: VARIATUS	761530120802
SPECIES: HELLERI	761530120804
SPECIES: MACULATUS	761530120806
SPECIES: HELLERI.X.VARIATUS	761530120808
SPECIES: MACULATUS.X.HELLERI	761530120810
SPECIES: MACULATUS.X.VARIATUS	761530120812
FAMILY: Atherinidae	761530140000
GENUS: ALLANETTA	761530140200
SPECIES: HARRINGTONENSIS	761530140202
GENUS: LABIDESTHES	761530140400
SPECIES: SICCOLUS	761530140402
GENUS: MEMBRAS	761530140600
SPECIES: MARTINICA	761530140602
GENUS: MENIDIA	761530140800

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

	SPECIES: PENINSULAE	761530140802
	SPECIES: BERYLLINA	761530140804
	SPECIES: MENIDIA	761530140806
ORDER:	BERYCIFORMES	761532000000
	FAMILY: POLYMIXIIDAE	761532020000
	GENUS: POLYMIXIA	761532020200
	SPECIES: LOWEI	761532020202
ORDER:	GASTEROSTEIFORMES	761534000000
	FAMILY: FISTULARIIDAE	761534020000
	GENUS: FISTULARIA	761534020200
	SPECIES: TABACARIA	761534020202
	FAMILY: CENTRISCIDAE	761534040000
	GENUS: MACROKHAMPHOSUS	761534040200
	SPECIES: SCULOPAX	761534040202
	FAMILY: SYNGNATHIDAE	761534060000
	GENUS: HIPPOCAMPUS	761534060200
	SPECIES: ERECTUS	761534060202
	SPECIES: REIDI	761534060206
	SPECIES: ZOSTERAE	761534060208
	GENUS: CORYTHODICHTHYS	761534060400
	SPECIES: ALBITROSTRIS	761534060402
	SPECIES: BRACHYCEPHALUS	761534060404
	GENUS: DUSTETHUS	761534060600
	SPECIES: LINEATUS	761534060602
	GENUS: SYNGNATHUS	761534060800
	SPECIES: DUNCKERI	761534060802
	SPECIES: ELUCENS	761534060804
	SPECIES: FLORIDAE	761534060806
	SPECIES: FUSCUS	761534060808
	SPECIES: LOUISIANAEE	761534060810
	SPECIES: PELAGICUS	761534060812
	SPECIES: SCLVELLI	761534060814
	SPECIES: SPRINGERI	761534060816
ORDER:	SCORPAENIFORMES	761536000000
	FAMILY: SCORPAENIDAE	761536020000
	GENUS: NEOMERINTHE	761536020200
	SPECIES: HEMINGWAYI	761536020202
	GENUS: PUNTINUS	761536020400
	SPECIES: LONGISPINUS	761536020402
	GENUS: SCORPAENA	761536020600
	SPECIES: AGASSIZI	761536020602
	SPECIES: BRASILIENSIS	761536020604
	SPECIES: PLUMIERI	761536020606
	SPECIES: GRANDICORNIS	761536020608
	SPECIES: ISTHMENSIS	761536020609
	SPECIES: CALCARATA	761536020610
	SPECIES: PARMATUS	761536020612
	SPECIES: DISPAR	761536020614
	GENUS: SCORPAENODES	761536020800

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

SPECIES: TREDECIMSPINUSUS	761536020802
GENUS: SETARCHES	761536021000
SPECIES: GUENTHERI	761536021002
FAMILY: TRIGLIDAE	761536040000
GENUS: BELLATOR	761536040200
SPECIES: BRACHYCHIR	761536040202
SPECIES: EGRETТА	761536040204
SPECIES: MILITARIS	761536040206
GENUS: PERISTEDION	761536040400
SPECIES: MINIATUM	761536040402
GENUS: PRIUNTUS	761536040600
SPECIES: ALATUS	761536040602
SPECIES: CAROLINUS	761536040604
SPECIES: EVOLANS	761536040606
SPECIES: MAKTIS	761536040608
SPECIES: UPHRYAS	761536040610
SPECIES: ROSEUS	761536040612
SPECIES: SCITULUS	761536040614
SPECIES: SALMUNICULUR	761536040616
SPECIES: TRIBULUS	761536040618
ORDER: PERCIFORMES	761538000000
FAMILY: CENTROLOMIDAE	761538020000
GENUS: CENTROPOMUS	761538020200
SPECIES: PECTINATUS	761538020202
SPECIES: UNDECIMALIS	761538020204
FAMILY: SERRANIDAE	761538040000
GENUS: ANTHIAS	761538040200
GENUS: CENTROPRISTIS	761538040400
SPECIES: DCYURUS	761538040402
SPECIES: PHILADELPHICA	761538040404
SPECIES: STRIATA	761538040406
GENUS: DIPLECTRUM	761538040600
SPECIES: BIVITTATUM	761538040602
SPECIES: FORMOSUM	761538040604
GENUS: EPINEPHELUS	761538040800
SPECIES: DRUMMONDHAYI	761538040802
SPECIES: FULVUS	761538040803
SPECIES: ITAJARA	761538040804
SPECIES: MORIO	761538040806
SPECIES: NIGRITUS	761538040808
SPECIES: NIVEATUS	761538040810
SPECIES: STRIATUS	761538040812
GENUS: HEMANTHIAS	761538041000
SPECIES: VIVANUS	761538041002
GENUS: HOLANTHIAS	761538041100
SPECIES: MARTINCINSIS	761538041102
GENUS: HYPUPLECTRUS	761538041200
SPECIES: GEMMA	761538041202
SPECIES: NIGRICANS	761538041204

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

SPECIES: PUELLA	761538041206
SPECIES: UNICOLOR	761538041208
GENUS: LIOPRODOMA	761538041400
SPECIES: EUKRINES	761538041402
GENUS: MYCTEROPERCA	761538041600
SPECIES: BONACI	761538041602
SPECIES: MICROLEPIS	761538041604
SPECIES: PHENAX	761538041606
GENUS: PIKEA	761538041800
SPECIES: MEXICANA	761538041802
GENUS: PTECTRANTHIAS	761538041900
SPECIES: GARRUPELLUS	761538041902
GENUS: PRONTOGRAMMUS	761538042000
SPECIES: AURORUBENS	761538042002
GENUS: SERRANICULUS	761538042200
SPECIES: PUMILIU	761538042202
GENUS: SERRANUS	761538042400
SPECIES: BALDWINI	761538042402
SPECIES: NOTOSPILUS	761538042404
SPECIES: PHOEBE	761538042406
SPECIES: SUBLIGARIUS	761538042408
FAMILY: GRAMMISTIDAE	761538060000
GENUS: RYPTICUS	761538060200
SPECIES: BISTRISPINUS	761538060202
SPECIES: MACULATUS	761538060204
SPECIES: SAPONACEUS	761538060206
SPECIES: SUBBIFRENATUS	761538060208
FAMILY: CENTRARCHIDAE	761538080000
GENUS: ELASSOMA	761538080200
SPECIES: EVERGLADEI	761538080202
GENUS: ENNEACANTHUS	761538080400
SPECIES: GLORIOSUS	761538080402
SPECIES: OBESUS	761538080404
GENUS: LEPOMIS	761538080600
SPECIES: GULOSUS	761538080602
SPECIES: MACROCHIRUS	761538080604
SPECIES: MARGINATUS	761538080606
SPECIES: MICROLOPHUS	761538080608
SPECIES: PUNCTATUS	761538080610
GENUS: MICROPTERUS	761538080800
SPECIES: SALMOIDES	761538080802
GENUS: POMOXIS	761538081000
SPECIES: NIGROMACALATUS	761538081002
FAMILY: PERCIDAE	761538100000
GENUS: ETHEDSTOMA	761538100200
SPECIES: FUSIFORME	761538100202
FAMILY: PRIACANTHIDAE	761538120000
GENUS: PRIACANTHUS	761538120200
SPECIES: ARENATUS	761538120202

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

GENUS: PRISTIGENYS	761538120400
SPECIES: ALTA	761538120402
FAMILY: APUGUNIDAE	761538140000
GENUS: APOGON	761538140200
SPECIES: MACULATUS	761538140202
SPECIES: PLANIFRONS	761538140203
SPECIES: PSEUDOMACULATUS	761538140204
SPECIES: BINOTATUS	761538140206
GENUS: ASTROPOGON	761538140400
SPECIES: PUNCTICULATUS	761538140402
SPECIES: STELLATUS	761538140404
GENUS: PHAEOPTYX	761538140600
SPECIES: CONKLINI	761538140602
SPECIES: PIGMENTARIA	761538140604
FAMILY: BRANCHIOSTEGIDAE	761538160000
GENUS: CAULOLATILUS	761538160200
SPECIES: CYANOPS	761538160202
GENUS: LUPHOLATILUS	761538160400
SPECIES: CHAMAELEONTICEPS	761538160402
FAMILY: POMATOMIDAE	761538180000
GENUS: POMATOMUS	761538180200
SPECIES: SALTATRIX	761538180202
FAMILY: RACHYCENTRIDAE	761538200000
GENUS: RACHYCENTRON	761538200200
SPECIES: CANADUM	761538200202
FAMILY: ECHENEIDAE	761538220000
GENUS: ECHENEIS	761538220200
SPECIES: NAJCKATES	761538220202
SPECIES: NEJCRATOIDES	761538220204
GENUS: REMORA	761538220400
SPECIES: BRACHYPTERA	761538220402
SPECIES: USTEDCHIR	761538220404
SPECIES: REMORA	761538220406
GENUS: REMURINA	761538220600
SPECIES: ALBESCENS	761538220602
FAMILY: CARANGIDAE	761538240000
GENUS: ALECTIS	761538240200
SPECIES: CRINITUS	761538240202
GENUS: CARANX	761538240400
SPECIES: BARTHOLOMAEI	761538240402
SPECIES: CRYSDS	761538240404
SPECIES: HIPPOS	761538240406
SPECIES: LATUS	761538240408
SPECIES: RUBER	761538240410
GENUS: CHLOROSCOMBRUS	761538240600
SPECIES: CHRYSURUS	761538240602
GENUS: DECAPTERUS	761538240800
SPECIES: PUNCTATUS	761538240802
GENUS: ELAGATIS	761538241000

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

SPECIES: BIPINNULATA	761538241002
GENUS: OLIGOPLITES	761538241200
SPECIES: SAURUS	761538241202
GENUS: SELAR	761538241400
SPECIES: CRUMENOPHTHALMUS	761538241402
GENUS: SELENE	761538241600
SPECIES: VOMER	761538241602
SPECIES: SETAPINNIS	761538241604
GENUS: SERIOLA	761538241800
SPECIES: DUMERILI	761538241802
SPECIES: FASCIATA	761538241804
SPECIES: RIVOLIANA	761538241806
GENUS: TRACHINOTUS	761538242000
SPECIES: CAROLINUS	761538242002
SPECIES: FALCATUS	761538242004
SPECIES: GOUDEI	761538242006
GENUS: TRACHURUS	761538242200
SPECIES: LATHAMI	761538242202
FAMILY: CORYPHAENIDAE	761538260000
GENUS: CORYPHAENA	761538260200
SPECIES: EQUISETIS	761538260202
SPECIES: HIPPURUS	761538260204
FAMILY: LUTJANIDAE	761538280000
GENUS: LUTJANUS	761538280200
SPECIES: ANALIS	761538280202
SPECIES: APUDUS	761538280204
SPECIES: CAMPECHANUS	761538280206
SPECIES: CYANOPTERUS	761538280208
SPECIES: GRISEUS	761538280210
SPECIES: JOCU	761538280212
SPECIES: MAHOOGONI	761538280214
SPECIES: SYNAGRIS	761538280216
GENUS: DCYURUS	761538280400
SPECIES: CHRYSURUS	761538280402
GENUS: PRISTIPUMBIDES	761538280600
SPECIES: AQUILONARIS	761538280602
GENUS: RHOMBOPLITES	761538280800
SPECIES: AUORUBENS	761538280802
FAMILY: LOBOTIDAE	761538300000
GENUS: LOBOTES	761538300200
SPECIES: SURINAMENSIS	761538300202
FAMILY: GERREIDAE	761538320000
GENUS: DIAPTERUS	761538320200
SPECIES: AURATUS	761538320202
GENUS: EUGERRES	761538320400
SPECIES: PLUMIERI	761538320402
GENUS: EUCINASTOMUS	761538320600
SPECIES: ARGENTEUS	761538320602
SPECIES: GULA	761538320604

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

SPECIES: HAVANA	761538320606
SPECIES: LEFRUYI	761538320608
SPECIES: PSEUDOGULA	761538320610
GENUS: GERRES	761538320800
SPECIES: CINEREUS	761538320802
FAMILY: POMADASYIDAE	761538340000
GENUS: ANISOTREMUS	761538340200
SPECIES: SUKINAMENSIS	761538340202
SPECIES: VIRGINICUS	761538340204
GENUS: HAEMULON	761538340400
SPECIES: ALBUM	761538340402
SPECIES: AURILINEATUM	761538340404
SPECIES: CARBONARIUM	761538340406
SPECIES: CHRYSARGYREUM	761538340408
SPECIES: FLAVILINEATUM	761538340410
SPECIES: MACROSTOMUM	761538340412
SPECIES: MELANURUM	761538340414
SPECIES: PARRAI	761538340416
SPECIES: PLUMIERI	761538340418
SPECIES: SCIURUS	761538340420
GENUS: ORTHOPRISTIS	761538340600
SPECIES: CHRYSOPTERA	761538340602
GENUS: POMADASYUS	761538340800
SPECIES: CRUCRO	761538340802
FAMILY: SPARIDAE	761538360000
GENUS: ARCHOSARGUS	761538360200
SPECIES: PROBATOCEPHALUS	761538360202
SPECIES: RHUMBOIDALIS	761538360204
GENUS: CALAMUS	761538360400
SPECIES: ARCTIFRONS	761538360402
SPECIES: BAJONADD	761538360404
GENUS: DIPLODUS	761538360600
SPECIES: HOLBROUKI	761538360602
SPECIES: ARGENTEUS	761538360604
GENUS: LAGUDUM	761538360800
SPECIES: RHUMBOIDES	761538360802
GENUS: PAGRUS	761538360900
SPECIES: PAGRUS	761538360902
GENUS: STENOTOMUS	761538361000
SPECIES: CHRYSOPS	761538361002
FAMILY: SCIAEMIDAE	761538380000
GENUS: BAIRDIELLA	761538380200
SPECIES: CHRYSURA	761538380202
SPECIES: SANCTAELUCIAE	761538380204
GENUS: CYNOSCION	761538380400
SPECIES: NEBULOSUS	761538380402
SPECIES: NOTHUS	761538380404
SPECIES: REGALIS	761538380406
GENUS: EQUETUS	761538380600

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

SPECIES: ACUMINATUS	761538380602
SPECIES: LANCEOLATUS	761538380604
SPECIES: UMBROSUS	761538380606
GENUS: LEIDOSTOMUS	761538380800
SPECIES: XANTHURUS	761538380802
GENUS: MENTICIRRHUS	761538381000
SPECIES: AMERICANUS	761538381002
SPECIES: LITTORALIS	761538381004
SPECIES: SAXATILIS	761538381006
GENUS: MICROPOGON	761538381200
SPECIES: UNDULATUS	761538381202
GENUS: ODONTOSCION	761538381400
SPECIES: DENTEX	761538381402
GENUS: PUGONIAS	761538381600
SPECIES: CRUMIS	761538381602
GENUS: SCIAENOPS	761538381800
SPECIES: OCELLATA	761538381802
GENUS: STELLIFER	761538382000
SPECIES: LANCEOLATUS	761538382002
GENUS: UMBRINA	761538382200
SPECIES: CORDIDES	761538382202
GENUS: LARIMUS	761538382400
SPECIES: FASCIATUS	761538382402
FAMILY: MULLIDAE	761538400000
GENUS: MULLUS	761538400200
SPECIES: AURATUS	761538400202
GENUS: PSEUDOPENEUS	761538400400
SPECIES: MACULATUS	761538400402
FAMILY: PEMPHERIDAE	761538420000
GENUS: PEMPHERIS	761538420200
SPECIES: SCHOMBURGKI	761538420202
FAMILY: KYPHOSIDAE	761538440000
GENUS: KYPHOSUS	761538440200
SPECIES: SECTATRIX	761538440202
SPECIES: INCISOR	761538440204
FAMILY: EPHIPPIDAE	761538460000
GENUS: CHAETODIPTERUS	761538460200
SPECIES: FABER	761538460202
FAMILY: CHAETODONTIDAE	761538480000
GENUS: CHAETODON	761538480200
SPECIES: AYA	761538480202
SPECIES: CAPISTRATUS	761538480204
SPECIES: OCELLATUS	761538480206
SPECIES: SEDENTARIS	761538480208
GENUS: HYLACANTHUS	761538480400
SPECIES: BERMUDENSIS	761538480402
SPECIES: CILIARIS	761538480404
SPECIES: TRICOLOR	761538480406
GENUS: POMACANTHUS	761538480600

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
NOVEMBER 1976

SPECIES: ARCUATUS	761538480602
SPECIES: PARU	761538480604
FAMILY: CICHLIDAE	761538500000
GENUS: HEMICHRUMIS	761538500200
SPECIES: BIMACULATUS	761538500202
GENUS: TILAPIA	761538500400
SPECIES: MOSSAMBICA	761538500402
SPECIES: MELANOPLEURA	761538500404
FAMILY: POMACENTRIDAE	761538520000
GENUS: ABUDEFDUF	761538520200
SPECIES: SAXATILIS	761538520202
SPECIES: TAURUS	761538520204
GENUS: MICROSPATHODON	761538520300
SPECIES: CHRYSURUS	761538520302
GENUS: POMACENTRUS	761538520400
SPECIES: DORSOPUNICANS	761538520402
SPECIES: LEUCOSTICTUS	761538520404
SPECIES: VARIABILIS	761538520406
SPECIES: PARTITUS	761538520408
GENUS: CHRUMIS	761538520600
SPECIES: ENCHRYSURUS	761538520602
FAMILY: LABRIDAE	761538540000
GENUS: BUDIANUS	761538540200
SPECIES: RUFUS	761538540202
GENUS: DURATUNUTUS	761538540400
SPECIES: MEGALEPIS	761538540402
GENUS: HALICHOERES	761538540600
SPECIES: BATHYPHILUS	761538540602
SPECIES: BIVITTATUS	761538540604
SPECIES: CAUDALIS	761538540605
SPECIES: MACULIPINNA	761538540606
SPECIES: POEYI	761538540608
SPECIES: RADIATUS	761538540610
GENUS: HEMIPTERODONTUS	761538540800
SPECIES: NOVACULA	761538540802
GENUS: LACHNOLAIMUS	761538541000
SPECIES: MAXIMUS	761538541002
GENUS: THALASSOMA	761538541200
SPECIES: BIFASCIATUM	761538541202
FAMILY: SCARIDAE	761538560000
GENUS: CRYPTOZOMUS	761538560200
SPECIES: ROSEUS	761538560202
GENUS: NICHOLSINA	761538560400
SPECIES: USTA	761538560402
GENUS: SCARUS	761538560600
SPECIES: COELESTINUS	761538560602
SPECIES: TAENIOPTERUS	761538560604
SPECIES: CRUCIENSIS	761538560606
SPECIES: GUACAMAIA	761538560608

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

SPECIES: COERULEUS	761538560610
GENUS: SPARISOMA	761538560800
SPECIES: RADIANS	761538560802
SPECIES: CHRYSOPTERUM	761538560804
SPECIES: RUBRIPINNE	761538560806
FAMILY: MUGILIDAE	761538580000
GENUS: AGONOSTOMUS	761538580200
SPECIES: MONTICULA	761538580202
GENUS: MUGIL	761538580400
SPECIES: CEPHALUS	761538580402
SPECIES: CUREMA	761538580404
FAMILY: SPHYRAENIDAE	761538600000
GENUS: SPHYRAENA	761538600200
SPECIES: BARRACUDA	761538600202
SPECIES: BOKEALIS	761538600204
SPECIES: GUACHANCHO	761538600206
FAMILY: POLYNEMIDAE	761538620000
GENUS: POLYDACTYLUS	761538620200
SPECIES: OCTONEMUS	761538620202
SPECIES: OLIODON	761538620204
SPECIES: VIRGINICUS	761538620206
FAMILY: OPISTOGNATHIDAE	761538640000
GENUS: OPISTOGNATHUS	761538640200
SPECIES: MACROGNATHUS	761538640201
SPECIES: WHITEURSTI	761538640202
FAMILY: PERCOPHIDIDAE	761538660000
GENUS: BEMBROPS	761538660200
SPECIES: ANATIROSTRIS	761538660202
SPECIES: GOBIDES	761538660204
FAMILY: DACTYLOSCOPIIDAE	761538680000
GENUS: DACTYLOSCOPUS	761538680200
SPECIES: CROSSOTUS	761538680202
SPECIES: TRIDIGITATUS	761538680204
GENUS: GILLELLUS	761538680400
SPECIES: GREYAE	761538680402
SPECIES: RUBROCINCTUS	761538680404
SPECIES: URANIDEA	761538680406
FAMILY: URANOSCOPIIDAE	761538700000
GENUS: ASTROSCOPUS	761538700200
SPECIES: Y. GRAECUM	761538700202
GENUS: KATETOSTOMA	761538700400
SPECIES: ALBIGUTTA	761538700402
FAMILY: CLINIDAE	761538720000
GENUS: ENNEANECTES	761538720100
SPECIES: ALTIVELIS	761538720102
SPECIES: PECTIVALIS	761538720104
GENUS: LABRISOMUS	761538720200
SPECIES: GOBID	761538720201
SPECIES: NUCHIPINNIS	761538720202

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

GENUS: MALACDCTENUS	761538720400
SPECIES: MACRUPUS	761538720402
SPECIES: TRIANGULATUS	761538720404
GENUS: PARACLINUS	761538720600
SPECIES: FASCIATUS	761538720602
SPECIES: NIGRIPINNIS	761538720604
GENUS: STARKSIA	761538720800
SPECIES: UCELLATA	761538720802
SPECIES: GYMNODERMIS	761538721002
FAMILY: BLENNIDAE	761538740000
GENUS: BLENNIUS	761538740200
SPECIES: CRISTATUS	761538740202
SPECIES: MARMOREUS	761538740204
SPECIES: NICHOLSI	761538740206
GENUS: CHASMODES	761538740400
SPECIES: BOSQJIANUS	761538740401
SPECIES: SABURRAE	761538740402
GENUS: ENTOMACRODUS	761538740600
SPECIES: NIGRICANS	761538740602
GENUS: HYPLEUROCHILUS	761538740800
SPECIES: AEQUIPINNIS	761538740802
SPECIES: BERMUDENSIS	761538740804
SPECIES: GEMINATUS	761538740806
GENUS: HYPSOBLENNIUS	761538741000
FAMILY: CALLIONYMIDAE	761538760000
GENUS: CALLIONYMUS	761538760200
SPECIES: PAUCIRADIATUS	761538760202
FAMILY: ELEOTRIDAE	761538780000
GENUS: DURMITATOR	761538780200
SPECIES: MACULATUS	761538780202
GENUS: ELEOTRIS	761538780400
SPECIES: PISONIS	761538780402
SPECIES: PICTA	761538780404
GENUS: EROTELIS	761538780600
SPECIES: SMARAGDUS	761538780602
GENUS: GUBIOMORUS	761538780800
SPECIES: DORMITOR	761538780802
FAMILY: GOBIIDAE	761538800000
GENUS: AWANUS	761538800200
SPECIES: TAJASICA	761538800202
GENUS: BATHYGObIUS	761538800400
SPECIES: CURACAU	761538800402
SPECIES: SOPORATOR	761538800404
GENUS: CORYPHOPTERUS	761538800600
SPECIES: DICRUS	761538800601
SPECIES: GLAUCCFRAENUM	761538800602
GENUS: EVERMANNICHTHYS	761538800800
SPECIES: SPONGICOLA	761538800802
GENUS: EVORTHODUS	761538801000

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

SPECIES: LYRICUS	761538801002
GENUS: GNATHOLEPIS	761538801200
SPECIES: THOMPSONI	761538801202
GENUS: GUBIODES	761538801400
SPECIES: BROUSSONETI	761538801402
GENUS: GOBIONELLUS	761538801600
SPECIES: BOLEUSOMA	761538801602
SPECIES: GRACILLIMUS	761538801604
SPECIES: HASTATUS	761538801606
SPECIES: OCEANICUS	761538801608
SPECIES: SCHUFELDI	761538801610
SPECIES: SMARAGDUS	761538801612
SPECIES: STIGMATURUS	761538801614
GENUS: GOBIOSOMA	761538801800
SPECIES: BOSCI	761538801802
SPECIES: GINSBURGI	761538801804
SPECIES: MACRODON	761538801806
SPECIES: OCEANOPS	761538801808
SPECIES: ROBUSTUM	761538801810
GENUS: LOPHOGOBIUS	761538802000
SPECIES: CYPRINOIDES	761538802002
GENUS: LYTHRYPNUS	761538802100
SPECIES: NESIOTES	761538802102
GENUS: MICROGOBIUS	761538802200
SPECIES: GULOSUS	761538802202
SPECIES: MICROLEPIS	761538802204
SPECIES: THALASSINUS	761538802206
GENUS: RISOR	761538802400
SPECIES: RUBER	761538802402
FAMILY: MICRODESMIDAE	761538820000
GENUS: CERDALE	761538820200
SPECIES: FLORIDANUS	761538820202
FAMILY: ACANTHURIDAE	761538840000
GENUS: ACANTHURUS	761538840200
SPECIES: BAHIANUS	761538840202
SPECIES: CHIRURGUS	761538840204
SPECIES: COERULEUS	761538840206
FAMILY: TRICHIURIDAE	761538860000
GENUS: TRICHIURUS	761538860200
SPECIES: LEPTURUS	761538860202
FAMILY: SCUMBRIDAE	761538880000
GENUS: ACANTHOCYBIUM	761538880200
SPECIES: SOLANDERI	761538880202
GENUS: AUXIS	761538880400
SPECIES: THAZARD	761538880402
GENUS: EUTHYNNUS	761538880600
SPECIES: ALLETTERATUS	761538880602
SPECIES: PELAMIS	761538880604
GENUS: SCOMBER	761538880800

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
 NOVEMBER 1976

SPECIES: JAPONICUS	761538880802
GENUS: SCOMBEROMORUS	761538881000
SPECIES: CAVALLA	761538881002
SPECIES: MACULATUS	761538881004
SPECIES: REGALIS	761538881006
GENUS: THUNNUS	761538881200
SPECIES: ALBACARES	761538881202
SPECIES: ATLANTICUS	761538881204
FAMILY: XIPHIIDAE	761538900000
GENUS: XIPHIAS	761538900200
SPECIES: GLADIUS	761538900202
FAMILY: ISTIOPHORIDAE	761538920000
GENUS: ISTIOPHORUS	761538920200
SPECIES: PLATYPTERUS	761538920202
GENUS: MAKAIKA	761538920400
SPECIES: NIGRICANS	761538920402
GENUS: TETRAPTERUS	761538920600
SPECIES: ALBIDUS	761538920602
FAMILY: STROMATEIDAE	761538940000
GENUS: NUMEUS	761538940200
SPECIES: GRUNDVIT	761538940202
GENUS: PSENES	761538940400
SPECIES: CYANOPHRYS	761538940402
GENUS: PEPRILUS	761538940600
SPECIES: ALEPIDOTUS	761538940602
SPECIES: TRIACANTHUS	761538940604
ORDER: PLEURONECTIFORMES	761540000000
FAMILY: BOTHIDAE	761540020000
GENUS: BOTHUS	761540020200
SPECIES: OCELLATUS	761540020202
SPECIES: ROBINSI	761540020204
GENUS: ANCLOPSETTA	761540020400
SPECIES: QUADROCELLATA	761540020402
GENUS: CITHARICHTHYS	761540020600
SPECIES: ARENACEUS	761540020602
SPECIES: ARCTIFRONS	761540020604
SPECIES: GYMNORHINUS	761540020605
SPECIES: MACRUPS	761540020606
SPECIES: SPILOPTERUS	761540020608
GENUS: CYCLOPSETTA	761540020800
SPECIES: CHITTENDENI	761540020802
SPECIES: FIMBRIATA	761540020804
GENUS: ENGYOPHRYS	761540021000
SPECIES: SENTA	761540021002
GENUS: ETROPIUS	761540021200
SPECIES: CRUSSOTUS	761540021202
SPECIES: MICROSTOMUS	761540021204
SPECIES: RIMOSUS	761540021206
GENUS: MONOLENE	761540021400

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SPECIES: ANTILLARIUM	761540021402
SPECIES: SESSILICAUDA	761540021404
GENUS: PARALICHTHYS	761540021600
SPECIES: UBLONGUS	761540021602
SPECIES: ALBIGUTTA	761540021604
SPECIES: DENTATUS	761540021606
SPECIES: LETHOSTIGMA	761540021608
SPECIES: SQUAMILENTUS	761540021610
GENUS: SCOPHTHALMUS	761540021800
SPECIES: AQUOSUS	761540021802
GENUS: SYACIUM	761540022000
SPECIES: GUNTERI	761540022002
SPECIES: MICRURUM	761540022004
SPECIES: PAPILLUSUM	761540022006
FAMILY: PLEURONECTIDAE	761540040000
GENUS: PUECILOPSETTA	761540040200
SPECIES: BEANI	761540040202
FAMILY: SOLEIDAE	761540060000
GENUS: ACHIRUS	761540060200
SPECIES: LINEATUS	761540060202
GENUS: GYMNAHIRUS	761540060400
SPECIES: MELAS	761540060402
GENUS: TRINECTES	761540060600
SPECIES: MACULATUS	761540060602
FAMILY: CYNOGLOSSIDAE	761540080000
GENUS: SYMPHURUS	761540080200
SPECIES: CIVITATUS	761540080202
SPECIES: DIUMEDIANUS	761540080204
SPECIES: MINOR	761540080206
SPECIES: PLAGIUSA	761540080208
SPECIES: URUSPILUS	761540080210
ORDER: TETRAODONTIFORMES	761542000000
FAMILY: BALISTIDAE	761542020000
GENUS: ALUTERUS	761542020200
SPECIES: HEUDELOTI	761542020202
SPECIES: SCHNEPFI	761542020204
SPECIES: SCRIPTUS	761542020206
GENUS: BALISTES	761542020400
SPECIES: CAPRISCUS	761542020402
SPECIES: VETULA	761542020404
GENUS: CANTHIDERMIS	761542020600
SPECIES: MACULATUS	761542020602
SPECIES: SUFFLAMEN	761542020604
GENUS: CANTHERHINES	761542020700
SPECIES: PULLUS	761542020702
GENUS: MONACANTHUS	761542020800
SPECIES: CILIATUS	761542020802
SPECIES: HISPIDUS	761542020804
SPECIES: TUCKERI	761542020806

INDIAN RIVER COASTAL ZONE STUDY SPECIES INVENTORY LIST
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SPECIES: SETIFER	761542020808
- FAMILY: USTRACIIDAE	761542040000
GENUS: LACTOPHRYS	761542040200
SPECIES: QUADRICORNIS	761542040202
SPECIES: TRIGONUS	761542040204
SPECIES: TRIQUETER	761542040206
FAMILY: TETRAODONTIDAE	761542060000
GENUS: CANTHIGASTER	761542060100
SPECIES: ROSTRATA	761542060102
GENUS: LAGUCEPHALUS	761542060200
SPECIES: LAEVIGATUS	761542060202
GENUS: SPHEROIDES	761542060400
SPECIES: DORSALIS	761542060402
SPECIES: NEPHELUS	761542060404
SPECIES: SPENGLERI	761542060406
SPECIES: TESTUDINEUS	761542060408
SPECIES: MACULATUS	761542060410
FAMILY: DIODONTIDAE	761542080000
GENUS: CHILOMYCTERUS	761542080200
SPECIES: SCHOEPII	761542080202
SPECIES: ANTENNATUS	761542080204
GENUS: DIODON	761542080400
SPECIES: HOLACANTHUS	761542080402
SPECIES: HISTRIX	761542080404
FAMILY: MOLIDAE	761542100000
GENUS: MOLA	761542100200
SPECIES: MOLA	761542100202
SUBPHYLUM: TUNICATA	740000000000
CLASS: ASCIDIACEA	740500000000
ORDER: ENTERUGUNA	740502000000
SUBORDER: APLOUSOBRANCHIA	740504000000
FAMILY: CLAVELINIDAE	740504020000
SUBFAMILY: POLYCITRINAE	740504040000
GENUS: EUDISIOMA	740504040200
SPECIES: OLIVACEUM	740504040202
SPECIES: LOIVACEUM	740504040206
SUBFAMILY: CLAVELININAE	740504060000
GENUS: CLAVELINA	740504060200
SPECIES: UBLONGA	740504060202
SPECIES: PICTA	740504060204
SUBFAMILY: HOLOZOINAE	740504080000
GENUS: DISTAPLIA	740504080200
SPECIES: BEKMUJENSIS	740504080202
FAMILY: POLYCLINIDAE	740504100000
SUBFAMILY: POLYCLININAE	740504120000
GENUS: POLYCLINUM	740504120200
SPECIES: CONSTELLATUM	740504120202
GENUS: AMAROUCIUM	740504120400
SPECIES: STELLATUM	740504120402

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SPECIES: CONSTELLATUM	740504120404
SPECIES: BERMUDA	740504120406
SPECIES: PELLUCIDUM	740504120408
SPECIES: EXILE	740504120410
FAMILY: DIDEMNIDAE	740504140000
GENUS: DIDEMNUM	740504140200
SPECIES: CANDIDUM	740504140202
GENUS: TRIDIDEMNUM	740504140400
SPECIES: SAVIGNII	740504140402
GENUS: DIPLOSONA	740504140600
SPECIES: MACDONALDI	740504140602
GENUS: LISSOCLINUM	740504140800
SPECIES: FRAGILE	740504140802
SUBORDER: PHLEBOBRANCHIATA	740506000000
FAMILY: PEROPHORIDAE	740506020000
GENUS: PEROPHORA	740506020200
SPECIES: VIRIDIS	740506020202
GENUS: ECTEINASCIDIA	740506020400
SPECIES: TURBINATA	740506020402
FAMILY: ASCIDIIDAE	740506040000
GENUS: ASCIDIA	740506040200
SPECIES: NIGRA	740506040202
SPECIES: INTERRUPTA	740506040204
SPECIES: CURVATA	740506040206
ORDER: PLEURUGDNA	740508000000
SUBORDER: STOLIDOBRANCHIATA	740510000000
FAMILY: STYELIDAE	740510020000
SUBFAMILY: STYELINAE	740510040000
GENUS: STYELA	740510040200
SPECIES: PPLICATA	740510040202
SPECIES: PARTITA	740510040204
SUBFAMILY: BOTRYLLINAE	740510060000
GENUS: BOTRYLLUS	740510060400
SPECIES: PLANUS	740510060402
SPECIES: SCHLOSSERI	740510060404
SPECIES: PRIMIGENUS	740510060406
GENUS: BOTRYLLOIDES	740510060600
SPECIES: NIGRUM	740510060602
GENUS: SYMPLEGMA	740510060800
SPECIES: VIRIDE	740510060802
FAMILY: PYURIDAE	740510080000
GENUS: PYURA	740510080200
SPECIES: VITATA	740510080202
GENUS: MICROCOSMUS	740510080400
SPECIES: EXASPERATUS	740510080402
FAMILY: MORGULIDAE	740510100000
GENUS: MORGULA	740510100200
SPECIES: OCCIDENTALIS	740510100202